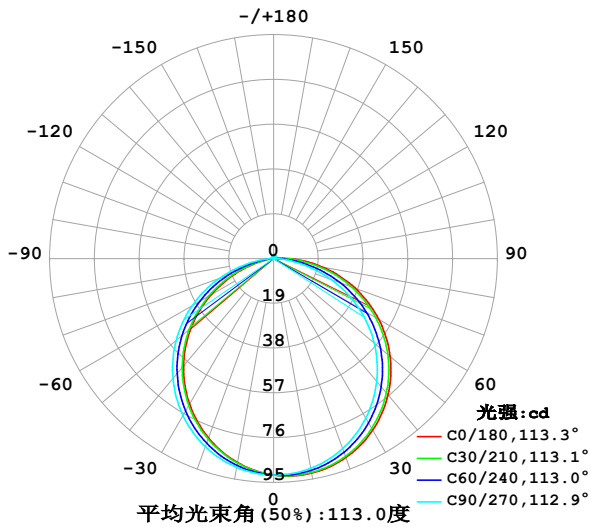


室内灯具光度数据

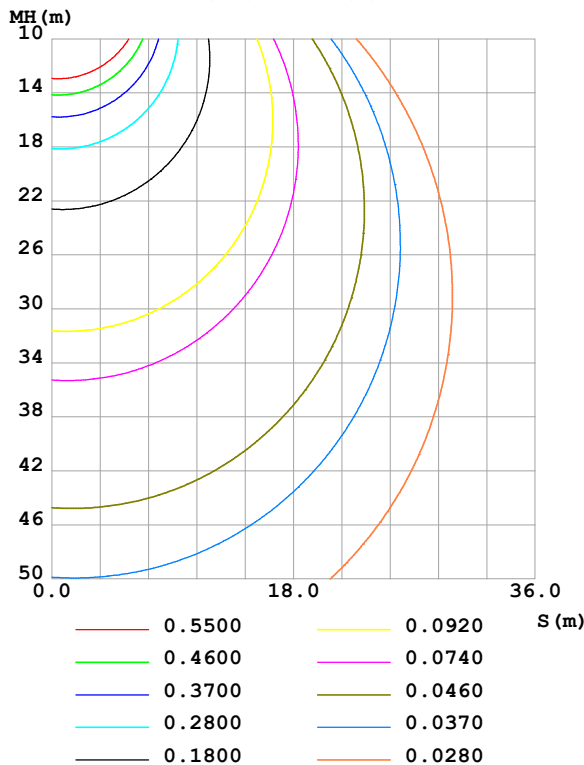
实测参数: U:23.997V I:0.7017A P:16.839W PF:1.0000 Freq:49.99Hz 实检光通: 270.56x1 lm		
灯具名称: 霓虹灯条	灯具类型: N016084CC3DE1 Mixed	灯具重量:
灯具规格: N016084CC3DE1 Mixed	外型尺寸: 1000×16×16MM	测试编号:
制造厂商: iPixel LED	发光口面: 1000×16MM	遮光角:

光源数据		光度数据				光效: 16.07 lm/W
型号	N016084CC3DE1 Mixed	峰值光强 (cd)	92.58	S/MH (C0/180)	1.17	
标称功率 (W)	17W	灯具效率 (%)	100.0	S/MH (C90/270)	1.25	
额定电源电压 (V)	24	总光通量 (lm)	270.56	η UP, DN (C0-180)	1.1, 52.1	
额定光通量 (lm)	270.56	CIE分类	直接	η UP, DN (C180-360)	1.0, 45.8	
灯具内光源数 (只)	1	上射光通比 (%)	2.1	CIBSE SHR NOM	1.25	
实测电源电压 (V)	24	下射光通比 (%)	97.9	CIBSE SHR MAX	1.35	

室内灯具配光曲线



空间等照度曲线 (单位: lx)



C角度范围: 0度 - 360度
C角度间隔: 30.0度
测试速度: 快速
环境温度: 25.3℃
测试人员: LEIXIAOLAM
测试日期: 2024-11-25

Y角度范围: 0度 - 180度
Y角度间隔: 1.0度
测试系统: 远方 (EVERFINE) GO-2000B_V1 系统 V2.00.488
环境湿度: 65.0%
测试距离: 6.820米 [K=1.0000]
备注:

灯具环带光通量

环带光通量：

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ(°)	Φ环	Φ总	%lum, lamp
10	92.44	91.71	90.39	89.67	87.91	88.62	89.95	90.71	0- 10	8.686	8.686	3.21,3.21
20	89.80	88.34	85.78	84.38	80.92	82.37	84.87	86.34	10- 20	24.88	33.56	12.4,12.4
30	84.08	81.90	78.20	76.27	71.34	73.37	76.90	78.98	20- 30	37.71	71.28	26.3,26.3
40	75.53	72.74	68.07	65.65	59.50	62.04	66.46	69.08	30- 40	45.54	116.8	43.2,43.2
50	64.57	61.22	55.74	52.92	45.74	48.76	53.96	57.03	40- 50	47.37	164.2	60.7,60.7
60	51.52	47.74	41.56	38.45	30.51	33.95	39.78	43.18	50- 60	42.97	207.2	76.6,76.6
70	36.85	32.61	25.90	22.71	14.75	18.30	24.36	28.01	60- 70	32.85	240.0	88.7,88.7
80	21.16	16.73	10.29	7.855	2.975	4.860	9.199	12.76	70- 80	18.80	258.8	95.7,95.7
90	6.749	3.735	0.8842	1.189	0.5496	0.6557	0.7676	1.999	80- 90	6.088	264.9	97.9,97.9
100	0.5117	0.5062	0.6234	0.6879	0.6252	0.6432	0.6701	0.5619	90-100	1.080	266.0	98.3,98.3
110	0.4381	0.5855	0.7351	0.7563	0.7474	0.7729	0.7638	0.6554	100-110	0.6732	266.6	98.6,98.6
120	0.5603	0.6829	0.8396	0.8301	0.8838	0.8936	0.8683	0.7652	110-120	0.7307	267.4	98.8,98.8
130	0.7003	0.7873	0.9369	0.9291	1.010	1.009	0.9763	0.8625	120-130	0.7581	268.1	99.1,99.1
140	0.8404	0.9135	1.045	1.026	1.132	1.092	1.077	0.9849	130-140	0.7386	268.9	99.4,99.4
150	0.9985	1.041	1.146	1.127	1.186	1.158	1.157	1.109	140-150	0.6647	269.5	99.6,99.6
160	1.124	1.169	1.243	1.226	1.283	1.245	1.236	1.219	150-160	0.5379	270.1	99.8,99.8
170	1.246	1.286	1.315	1.311	1.354	1.317	1.301	1.318	160-170	0.3568	270.4	100,100
180	1.343	1.348	1.348	1.354	1.358	1.348	1.351	1.351	170-180	0.1267	270.6	100,100
单位:°	光强:cd									单位:lm		

锥面光通量(90度)：140.66 lm

%lum = 52.0%
%lamp = 52.0%

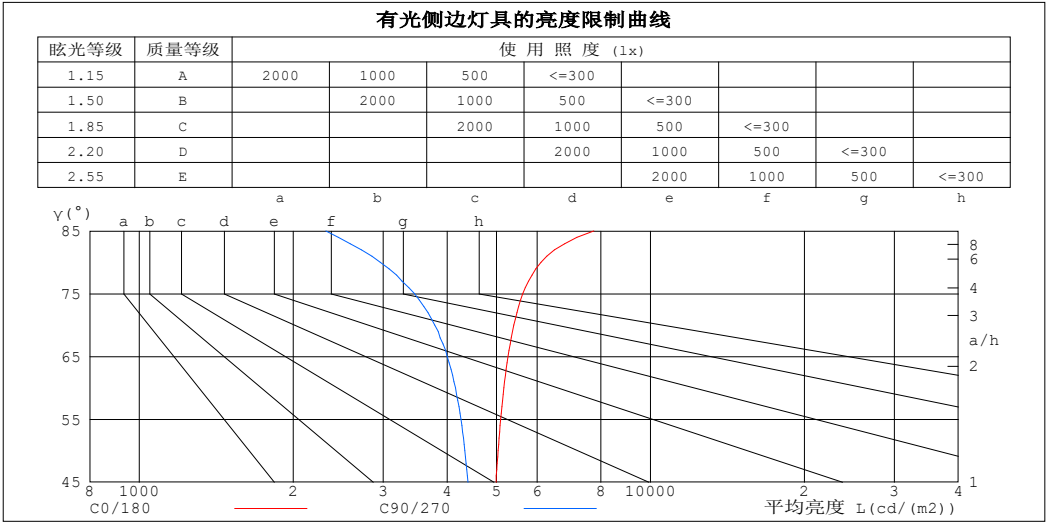
锥面光通量(130度)：225.16 lm

%lum = 83.2%
%lamp = 83.2%

C角度范围： 0度 - 360度 C角度间隔： 30.0度 测试速度：快速 环境温度:25.3℃ 测试人员:LEIXIAOLAM 测试日期:2024-11-25	γ角度范围： 0度 - 180度 γ角度间隔： 1.0度 测试系统：远方(EVERFINE) GO-2000B_V1 系统 V2.00.488 环境湿度:65.0% 测试距离:6.820米 [K=1.0000] 备注：
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灯具亮度限制曲线

实测参数: U:23.997V I:0.7017A P:16.839W PF:1.0000 Freq:49.99Hz 实检光通: 270.56x1 lm		
灯具名称: 霓虹灯条	灯具类型:N016084CC3DE1 Mixed	灯具重量:
灯具规格: N016084CC3DE1 Mixed	外型尺寸: 1000×16×16MM	测试编号:
制造厂商: iPixel LED	发光口面: 1000×16MM	遮光角:



平均亮度值 cd/(m2)		
γ (°)	C0/180	C90/270
85	7747	2319
80	6106	2961
75	5625	3455
70	5401	3784
65	5265	4004
60	5164	4153
55	5091	4257
50	5035	4333
45	4986	4393

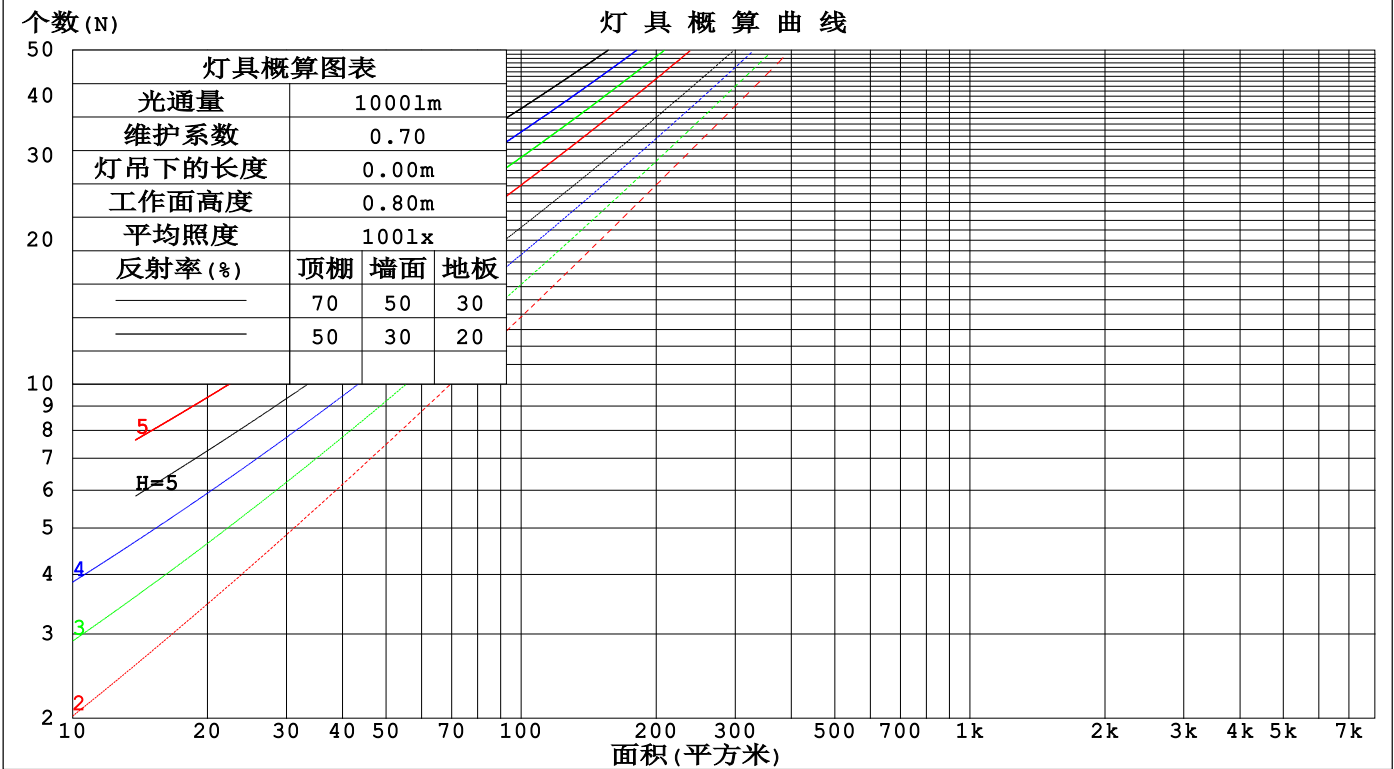
C角度范围: 0度 - 360度
C角度间隔: 30.0度
测试速度: 快速
环境温度:25.3℃
测试人员:LEIXIAOLAM
测试日期:2024-11-25

γ角度范围: 0度 - 180度
γ角度间隔: 1.0度
测试系统: 远方 (EVERFINE) GO-2000B_V1 系统 V2.00.488
环境湿度:65.0%
测试距离:6.820米 [K=1.0000]
备注:

工作面利用系数和灯具概算曲线

实测参数: U:23.997V I:0.7017A P:16.839W PF:1.0000 Freq:49.99Hz			实检光通: 270.56x1 lm		
灯具名称: 霓虹灯条		灯具类型:N016084CC3DE1 Mixed		灯具重量:	
灯具规格: N016084CC3DE1 Mixed		外型尺寸: 1000×16×16MM		测试编号:	
制造厂商: iPixel LED		发光口面: 1000×16MM		遮光角:	

顶棚	80%			70%			50%			30%			10%			0
墙面	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
地板	20%			20%			20%			20%			20%			0
室空间比	工 作 面 利 用 系 数															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.89	.87	.88	.86	.84	.81
2.0	.90	.83	.77	.88	.81	.76	.84	.78	.74	.80	.76	.72	.77	.73	.70	.68
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.65	.60	.68	.63	.59	.57
4.0	.70	.61	.54	.68	.60	.54	.65	.58	.53	.63	.57	.52	.60	.55	.51	.48
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.56	.50	.45	.54	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.44	.39	.49	.43	.39	.36
7.0	.51	.42	.36	.50	.41	.35	.48	.40	.35	.46	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.42	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.29	.42	.34	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.35	.29	.25	.23



C角度范围: 0度 - 360度
C角度间隔: 30.0度
测试速度: 快速
环境温度: 25.3℃
测试人员: LEIXIAOLAM
测试日期: 2024-11-25

γ角度范围: 0度 - 180度
γ角度间隔: 1.0度
测试系统: 远方 (EVERFINE) GO-2000B_V1 系统 V2.00.488
环境湿度: 65.0%
测试距离: 6.820米 [K=1.0000]
备注:

墙面和天花板利用系数

实测参数: U:23.997V I:0.7017A P:16.839W PF:1.0000 Freq:49.99Hz		
实检光通: 270.56x1 lm		
灯具名称: 霓虹灯条	灯具类型:N016084CC3DE1 Mixed	灯具重量:
灯具规格: N016084CC3DE1 Mixed	外型尺寸: 1000×16×16MM	测试编号:
制造厂商: iPixel LED	发光口面: 1000×16MM	遮光角:

顶棚	80%			70%			50%			30%			10%			0
墙面	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
地板	20%			20%			20%			20%			20%			0
室空间比	墙 壁 面 利 用 系 数															
0.0																
1.0	.314	.178	.057	.306	.175	.055	.292	.167	.053	.278	.160	.052	.266	.154	.050	
2.0	.293	.161	.049	.287	.158	.049	.274	.152	.047	.262	.147	.046	.251	.142	.045	
3.0	.271	.144	.043	.265	.142	.043	.254	.137	.042	.243	.133	.041	.233	.129	.040	
4.0	.250	.130	.038	.244	.128	.038	.234	.124	.037	.225	.121	.036	.216	.117	.036	
5.0	.231	.118	.034	.226	.116	.034	.217	.113	.033	.208	.110	.033	.201	.107	.032	
6.0	.214	.107	.031	.210	.106	.030	.201	.103	.030	.194	.101	.030	.187	.098	.029	
7.0	.199	.098	.028	.195	.097	.028	.188	.095	.027	.181	.093	.027	.175	.091	.027	
8.0	.186	.091	.026	.182	.090	.025	.176	.088	.025	.170	.086	.025	.164	.084	.024	
9.0	.174	.084	.023	.171	.083	.023	.165	.082	.023	.159	.080	.023	.154	.078	.023	
10.0	.164	.078	.022	.161	.078	.022	.155	.076	.021	.150	.075	.021	.146	.073	.021	

顶棚	80%			70%			50%			30%			10%			0
墙面	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
地板	20%			20%			20%			20%			20%			0
室空间比	天花板利用系数															
0.0	.206	.206	.206	.176	.176	.176	.120	.120	.120	.069	.069	.069	.022	.022	.022	
1.0	.197	.172	.150	.168	.148	.129	.115	.102	.089	.066	.059	.052	.021	.019	.017	
2.0	.189	.148	.114	.162	.127	.099	.111	.088	.069	.064	.051	.040	.020	.017	.013	
3.0	.181	.131	.090	.155	.113	.078	.107	.078	.055	.062	.046	.032	.020	.015	.011	
4.0	.173	.117	.075	.149	.101	.065	.102	.071	.046	.059	.041	.027	.019	.013	.009	
5.0	.166	.107	.064	.142	.093	.055	.098	.065	.039	.057	.038	.023	.018	.012	.008	
6.0	.159	.099	.056	.136	.085	.048	.094	.060	.034	.055	.035	.020	.018	.012	.007	
7.0	.152	.092	.050	.131	.080	.043	.090	.056	.031	.052	.033	.018	.017	.011	.006	
8.0	.145	.086	.045	.125	.075	.039	.087	.052	.028	.050	.031	.017	.016	.010	.006	
9.0	.139	.081	.042	.120	.070	.036	.083	.049	.026	.048	.029	.015	.016	.010	.005	
10.0	.134	.077	.039	.115	.067	.034	.080	.047	.024	.047	.028	.014	.015	.009	.005	

C角度范围: 0度 - 360度
C角度间隔: 30.0度
测试速度: 快速
环境温度:25.3℃
测试人员:LEIXIAOLAM
测试日期:2024-11-25

γ角度范围: 0度 - 180度
γ角度间隔: 1.0度
测试系统: 远方(EVERFINE)GO-2000B_V1系统 V2.00.488
环境湿度:65.0%
测试距离:6.820米 [K=1.0000]
备注:

UGR(Unified Glare Rating)数据表

实测参数: U:23.997V I:0.7017A P:16.839W PF:1.0000 Freq:49.99Hz 实检光通: 270.56x1 lm										
灯具名称: 霓虹灯条			灯具类型:N016084CC3DE1 Mixed				灯具重量:			
灯具规格: N016084CC3DE1 Mixed			外型尺寸: 1000×16×16MM				测试编号:			
制造厂商: iPixel LED			发光口面: 1000×16MM				遮光角:			
反射比: 天花板	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
墙面	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
工作面	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
房间尺寸	横向(Viewed crosswise)					纵向(Viewed endwise)				
x = 2H y = 2H	24.4	25.9	24.7	26.1	26.3	23.5	25.0	23.8	25.2	25.5
3H	26.3	27.7	26.6	28.0	28.2	25.0	26.4	25.4	26.7	27.0
4H	27.2	28.5	27.5	28.8	29.1	25.6	27.0	26.0	27.2	27.5
6H	28.0	29.3	28.4	29.6	29.9	26.0	27.3	26.4	27.6	27.9
8H	28.4	29.6	28.8	29.9	30.2	26.1	27.3	26.5	27.7	28.0
12H	28.7	29.9	29.1	30.2	30.6	26.2	27.3	26.6	27.7	28.0
4H 2H	25.0	26.3	25.3	26.6	26.9	24.3	25.6	24.7	25.9	26.2
3H	27.1	28.3	27.5	28.6	29.0	26.1	27.2	26.4	27.5	27.9
4H	28.2	29.2	28.6	29.6	30.0	26.8	27.8	27.2	28.2	28.6
6H	29.2	30.1	29.6	30.5	30.9	27.3	28.3	27.8	28.6	29.1
8H	29.6	30.5	30.1	30.9	31.3	27.5	28.4	27.9	28.8	29.2
12H	30.1	30.9	30.5	31.3	31.7	27.6	28.4	28.0	28.8	29.3
8H 4H	28.5	29.3	28.9	29.7	30.2	27.3	28.1	27.7	28.5	29.0
6H	29.7	30.4	30.1	30.8	31.3	28.0	28.7	28.5	29.2	29.6
8H	30.3	30.9	30.7	31.4	31.9	28.3	28.9	28.7	29.4	29.9
12H	30.9	31.4	31.4	31.9	32.4	28.4	29.0	28.9	29.5	30.0
12H 4H	28.5	29.3	28.9	29.7	30.1	27.3	28.1	27.8	28.6	29.0
6H	29.7	30.4	30.2	30.8	31.3	28.2	28.8	28.6	29.3	29.8
8H	30.4	30.9	30.9	31.4	31.9	28.5	29.0	29.0	29.5	30.0
不同间隔布灯时,观察者位置引起的UGR变化(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.4				

依据CIE Pub.117计算, 270.6lm光源光通表格中的数据需要进行修正(81log(F/F0) = -4.5)。
出光口面积: 0.02 m2

C角度范围: 0度 - 360度	γ角度范围: 0度 - 180度
C角度间隔: 30.0度	γ角度间隔: 1.0度
测试速度: 快速	测试系统: 远方(EVERFINE)GO-2000B_V1系统 V2.00.488
环境温度:25.3℃	环境湿度:65.0%
测试人员:LEIXIAOLAM	测试距离:6.820米 [K=1.0000]
测试日期:2024-11-25	备注:

UF利用系数表

实测参数: U:23.997V I:0.7017A P:16.839W PF:1.0000 Freq:49.99Hz 实检光通: 270.56x1 lm		
灯具名称: 霓虹灯条	灯具类型:N016084CC3DE1 Mixed	灯具重量:
灯具规格: N016084CC3DE1 Mixed	外型尺寸: 1000×16×16MM	测试编号:
制造厂商: iPixel LED	发光口面: 1000×16MM	遮光角:

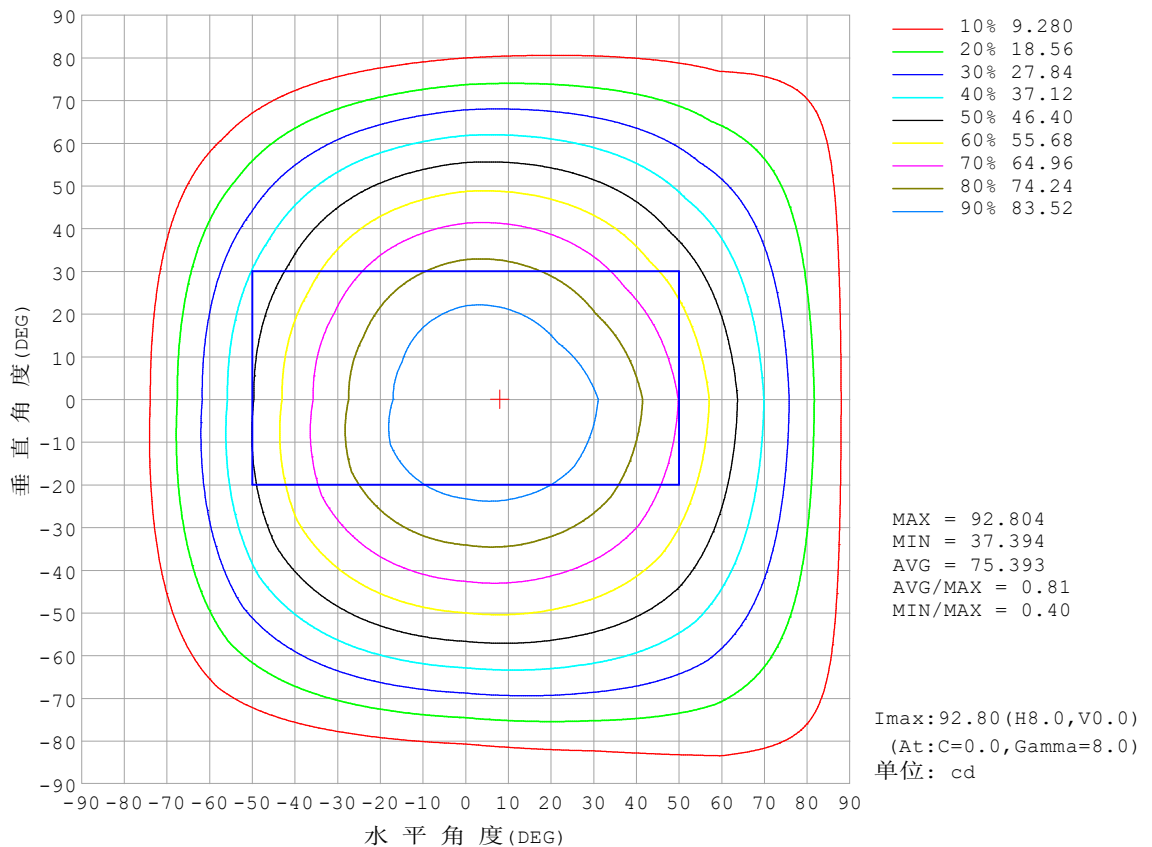
反 射 比 / REFLECTANCE										
天花板	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
墙壁	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
工作面	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
室形指数	利用系数 UTILIZATION FACTORS(%) k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	47	65	54	47	64	54	47	40
1.00	75	64	56	74	63	56	71	64	55	48
1.25	82	71	64	81	71	64	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	88	81	76	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	101	94	89	99	93	87	95	89	85	76
4.00	105	100	95	103	98	93	98	94	90	81
5.00	108	103	99	105	101	97	100	97	94	84
ROOM INDEX	UF (总)									UF (直接)
依据标准文件 DIN EN 13032-2 2004			悬挂灯				安装距高比 SHR _{NOM} = 1.25			

C角度范围: 0度 - 360度
C角度间隔: 30.0度
测试速度: 快速
环境温度: 25.3℃
测试人员: LEIXIAOLAM
测试日期: 2024-11-25

γ角度范围: 0度 - 180度
γ角度间隔: 1.0度
测试系统: 远方 (EVERFINE) GO-2000B_V1 系统 V2.00.488
环境湿度: 65.0%
测试距离: 6.820米 [K=1.0000]
备注:

灯具等光强曲线

实测参数: U:23.997V I:0.7017A P:16.839W PF:1.0000 Freq:49.99Hz 实检光通: 270.56x1 lm		
灯具名称: 霓虹灯条	灯具类型: N016084CC3DE1 Mixed	灯具重量:
灯具规格: N016084CC3DE1 Mixed	外型尺寸: 1000×16×16MM	测试编号:
制造厂商: iPixel LED	发光口面: 1000×16MM	遮光角:

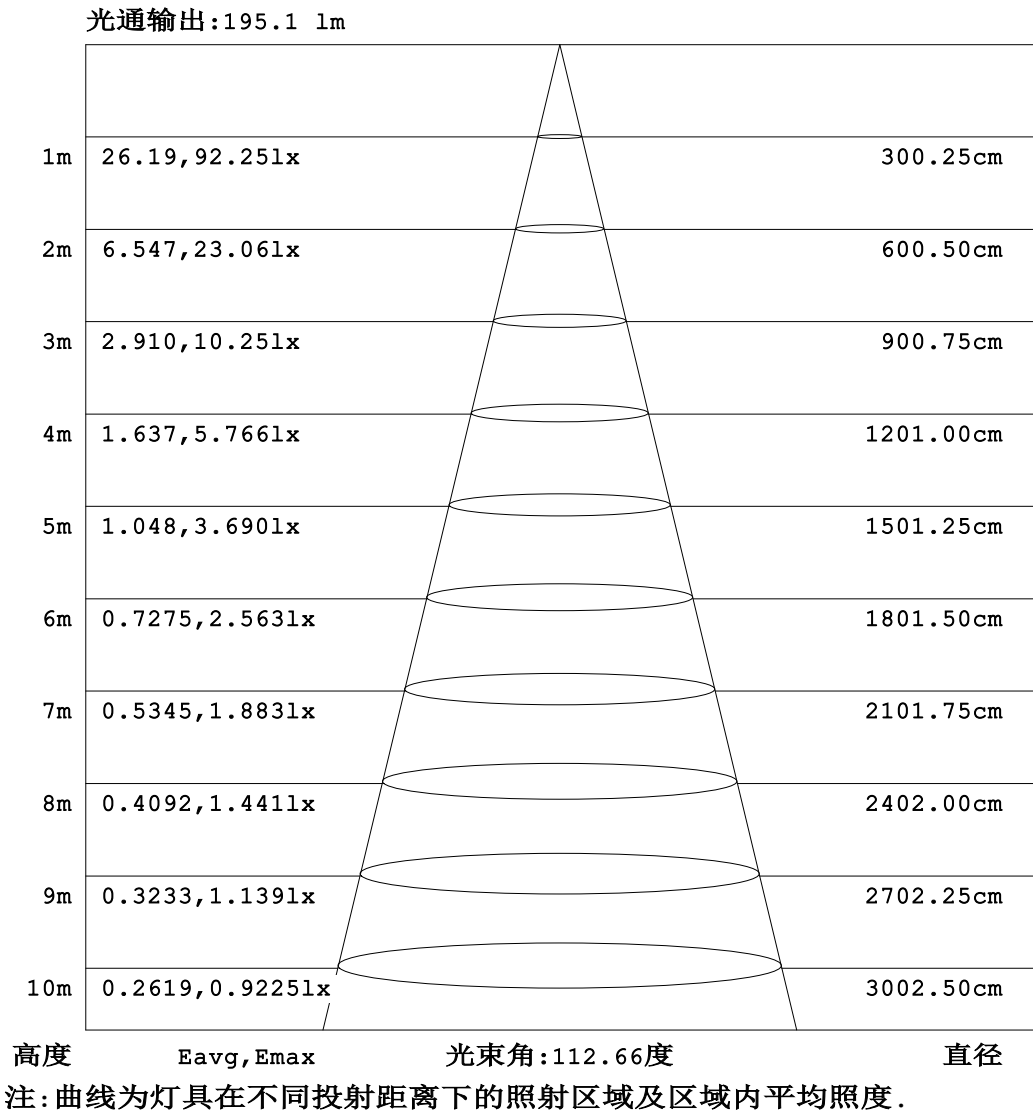


C角度范围: 0度 - 360度
C角度间隔: 30.0度
测试速度: 快速
环境温度: 25.3℃
测试人员: LEIXIAOLAM
测试日期: 2024-11-25

γ角度范围: 0度 - 180度
γ角度间隔: 1.0度
测试系统: 远方 (EVERFINE) GO-2000B_V1 系统 V2.00.488
环境湿度: 65.0%
测试距离: 6.820米 [K=1.0000]
备注:

灯具有效平均照度图

实测参数: U:23.997V I:0.7017A P:16.839W PF:1.0000 Freq:49.99Hz 实检光通: 270.56x1 lm		
灯具名称: 霓虹灯条	灯具类型:N016084CC3DE1 Mixed	灯具重量:
灯具规格: N016084CC3DE1 Mixed	外型尺寸: 1000×16×16MM	测试编号:
制造厂商: iPixel LED	发光口面: 1000×16MM	遮光角:

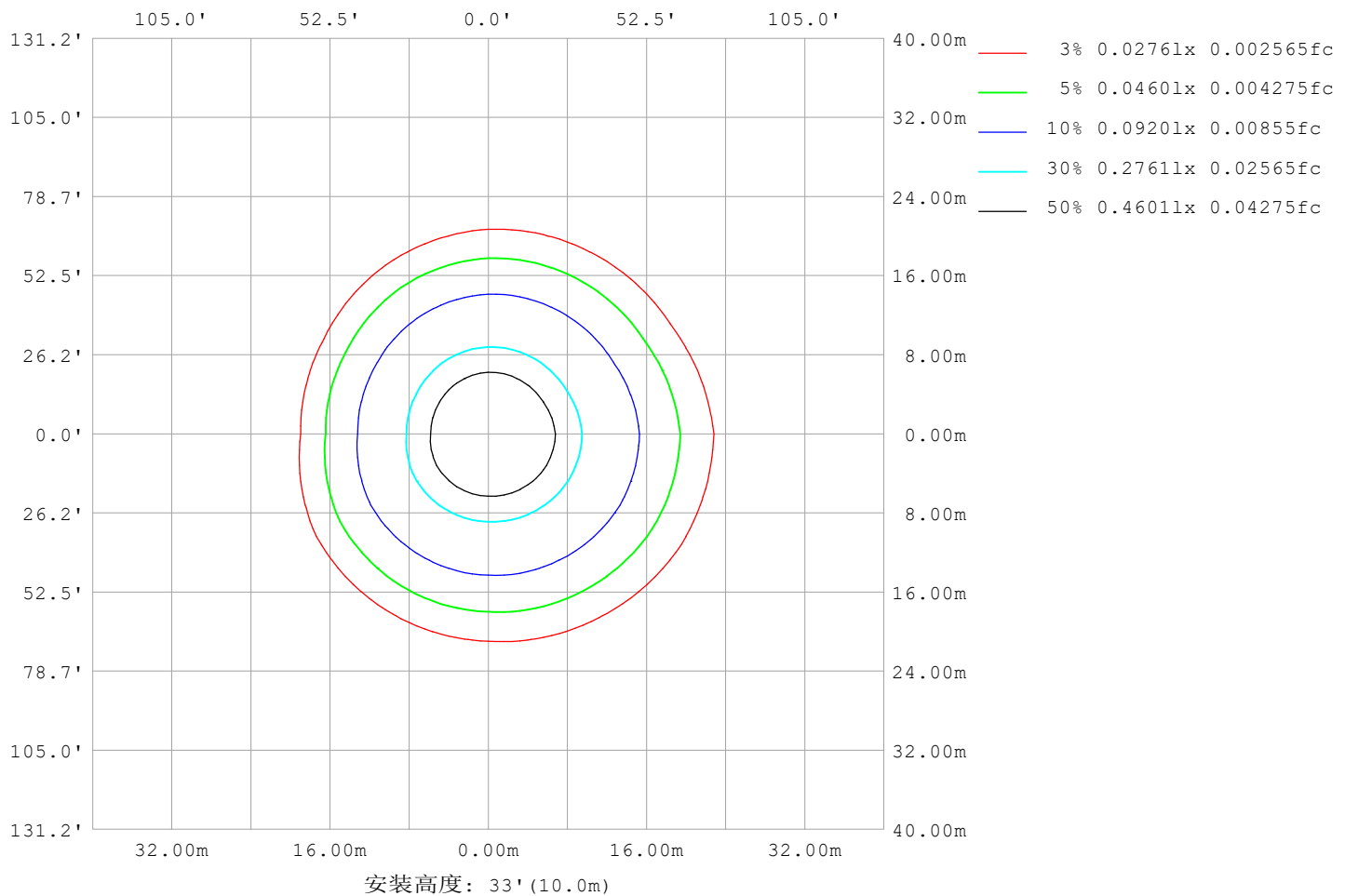


C角度范围: 0度 - 360度
C角度间隔: 30.0度
测试速度: 快速
环境温度:25.3℃
测试人员:LEIXIAOLAM
测试日期:2024-11-25

γ角度范围: 0度 - 180度
γ角度间隔: 1.0度
测试系统: 远方 (EVERFINE) GO-2000B_V1 系统 V2.00.488
环境湿度:65.0%
测试距离:6.820米 [K=1.0000]
备注:

平面等照度曲线

实测参数: U:23.997V I:0.7017A P:16.839W PF:1.0000 Freq:49.99Hz 实检光通: 270.56x1 lm		
灯具名称: 霓虹灯条	灯具类型: N016084CC3DE1 Mixed	灯具重量:
灯具规格: N016084CC3DE1 Mixed	外型尺寸: 1000×16×16MM	测试编号:
制造厂商: iPixel LED	发光口面: 1000×16MM	遮光角:



C角度范围: 0度 - 360度
C角度间隔: 30.0度
测试速度: 快速
环境温度: 25.3℃
测试人员: LEIXIAOLAM
测试日期: 2024-11-25

Y角度范围: 0度 - 180度
Y角度间隔: 1.0度
测试系统: 远方 (EVERFINE) GO-2000B_V1 系统 V2.00.488
环境湿度: 65.0%
测试距离: 6.820米 [K=1.0000]
备注:

LED筒灯平均亮度报告

实测参数: U:23.997V I:0.7017A P:16.839W PF:1.0000 Freq:49.99Hz 实检光通: 270.56x1 lm		
灯具名称: 霓虹灯条	灯具类型:N016084CC3DE1 Mixed	灯具重量:
灯具规格: N016084CC3DE1 Mixed	外型尺寸: 1000×16×16MM	测试编号:
制造厂商: iPixel LED	发光口面: 1000×16MM	遮光角:

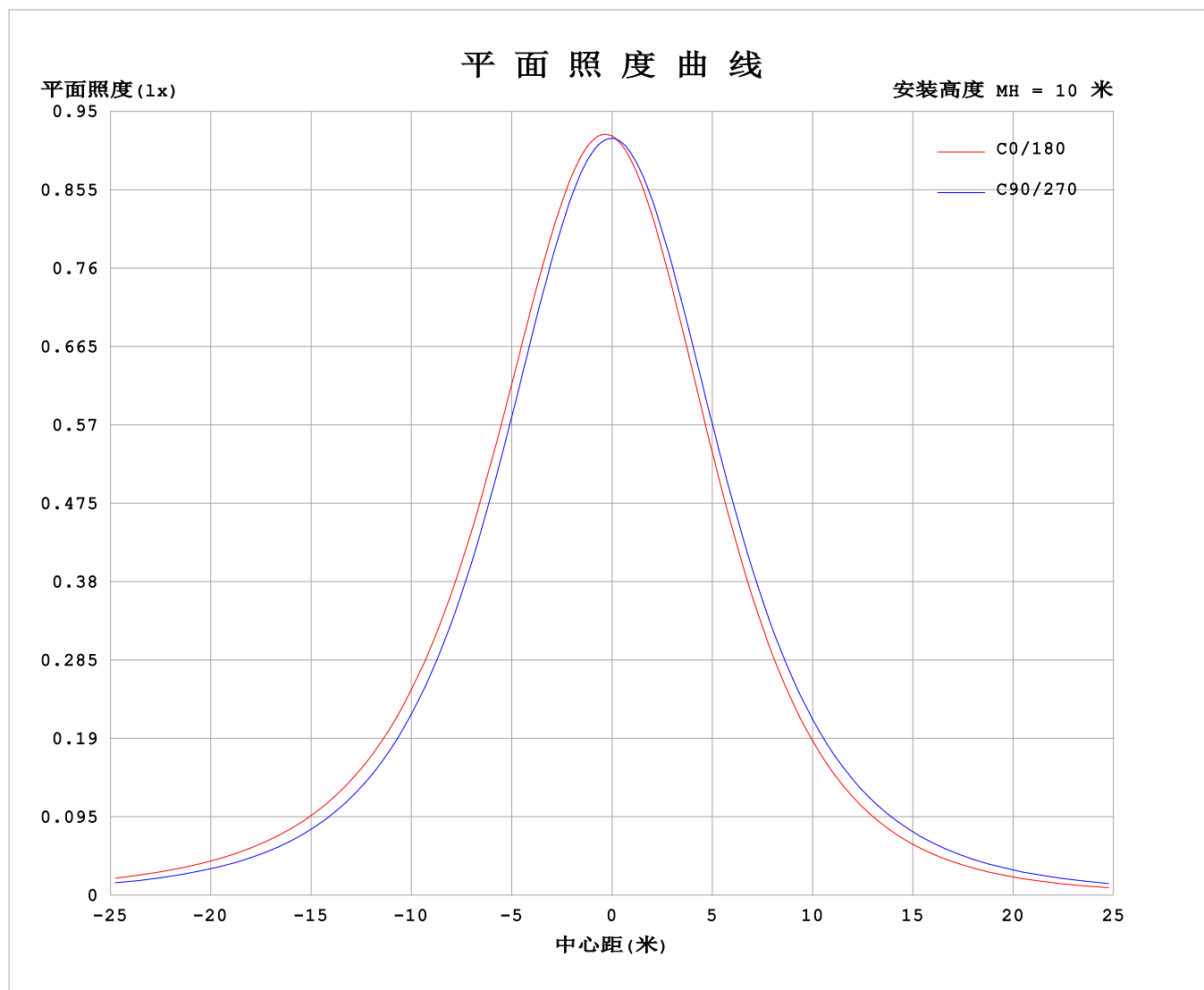
平均亮度	数值 (cd/m2)
L横 (65) av	3961
L横 (75) av	3559
L横 (85) av	4153
L纵 (65) av	3907
L纵 (75) av	3326
L纵 (85) av	2160
L45 (65) av	3930
L45 (75) av	3410
L45 (85) av	2864

注: 依据标准 GB/T 29293-2012 计算

C角度范围: 0度 - 360度
C角度间隔: 30.0度
测试速度: 快速
环境温度: 25.3℃
测试人员: LEIXIAOLAM
测试日期: 2024-11-25

γ角度范围: 0度 - 180度
γ角度间隔: 1.0度
测试系统: 远方 (EVERFINE) GO-2000B_V1 系统 V2.00.488
环境湿度: 65.0%
测试距离: 6.820米 [K=1.0000]
备注:

平面照度曲线



C角度范围: 0度 - 360度
C角度间隔: 30.0度
测试速度: 快速
环境温度: 25.3℃
测试人员: LEIXIAOLAM
测试日期: 2024-11-25

γ角度范围: 0度 - 180度
γ角度间隔: 1.0度
测试系统: 远方 (EVERFINE) GO-2000B_V1 系统 V2.00.488
环境湿度: 65.0%
测试距离: 6.820米 [K=1.0000]
备注:

光强分布数据表格

实测参数: U:23.997V I:0.7017A P:16.839W PF:1.0000 Freq:49.99Hz 实检光通: 270.56x1 lm		
灯具名称: 霓虹灯条	灯具类型:N016084CC3DE1 Mixed	灯具重量:
灯具规格: N016084CC3DE1 Mixed	外型尺寸: 1000×16×16MM	测试编号:
制造厂商: iPixel LED	发光口面: 1000×16MM	遮光角:

表--1													单位: cd						
C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8							
5	92.5	92.4	92.0	91.5	91.3	91.0	90.3	90.3	90.9	91.3	91.5	91.8							
10	92.4	92.2	91.3	90.4	89.9	89.4	87.9	88.1	89.1	90.0	90.4	91.0							
15	91.5	91.1	89.7	88.5	87.8	87.0	84.8	85.1	86.6	87.8	88.5	89.3							
20	89.8	89.3	87.4	85.8	84.9	83.9	80.9	81.4	83.3	84.9	85.8	86.8							
25	87.3	86.6	84.3	82.3	81.3	80.0	76.4	77.0	79.3	81.2	82.4	83.6							
30	84.1	83.2	80.6	78.2	77.0	75.6	71.3	72.0	74.7	76.9	78.2	79.7							
35	80.2	79.2	76.1	73.4	72.0	70.5	65.7	66.5	69.5	72.0	73.5	75.2							
40	75.5	74.5	71.0	68.1	66.5	64.8	59.5	60.4	63.7	66.5	68.1	70.1							
45	70.4	69.1	65.4	62.2	60.5	58.6	52.9	53.8	57.5	60.4	62.3	64.3							
50	64.6	63.3	59.2	55.7	53.9	51.9	45.7	46.8	50.7	54.0	55.9	58.1							
55	58.3	56.9	52.5	48.9	46.9	44.8	38.3	39.4	43.6	47.1	49.2	51.5							
60	51.5	50.0	45.4	41.6	39.5	37.4	30.5	31.8	36.1	39.8	42.0	44.4							
65	44.4	42.8	37.9	33.9	31.8	29.5	22.6	23.9	28.4	32.2	34.5	37.0							
70	36.9	35.1	30.1	25.9	23.8	21.6	14.7	16.1	20.5	24.4	26.7	29.3							
75	29.0	27.3	22.1	17.9	15.9	13.9	7.80	8.86	12.9	16.5	18.9	21.5							
80	21.2	19.3	14.2	10.3	8.56	7.15	2.97	3.50	6.22	9.20	11.6	14.0							
85	13.5	11.7	7.10	4.04	3.24	2.87	1.01	1.11	1.85	3.49	5.32	7.22							
90	6.75	5.29	2.18	0.88	1.19	1.18	0.55	0.61	0.71	0.77	1.49	2.51							
95	2.16	1.47	0.65	0.58	0.77	0.69	0.57	0.56	0.63	0.63	0.62	0.66							
100	0.51	0.46	0.55	0.62	0.70	0.68	0.63	0.61	0.68	0.67	0.63	0.49							
105	0.39	0.49	0.61	0.68	0.70	0.72	0.69	0.67	0.74	0.72	0.69	0.52							
110	0.44	0.53	0.64	0.74	0.75	0.76	0.75	0.74	0.81	0.76	0.73	0.58							
115	0.50	0.59	0.67	0.79	0.77	0.81	0.81	0.80	0.87	0.82	0.79	0.63							
120	0.56	0.65	0.72	0.84	0.80	0.86	0.88	0.86	0.92	0.87	0.84	0.69							
125	0.63	0.70	0.77	0.88	0.85	0.91	0.95	0.93	0.98	0.92	0.88	0.75							
130	0.70	0.75	0.83	0.94	0.91	0.95	1.01	0.98	1.03	0.98	0.93	0.79							
135	0.77	0.82	0.88	0.99	0.97	0.97	1.07	1.03	1.09	1.03	0.99	0.86							
140	0.84	0.88	0.94	1.04	1.03	1.03	1.13	1.06	1.12	1.08	1.05	0.92							
145	0.92	0.95	1.00	1.10	1.08	1.09	1.14	1.08	1.15	1.11	1.11	0.99							
150	1.00	1.03	1.06	1.15	1.12	1.13	1.19	1.14	1.18	1.16	1.17	1.05							
155	1.06	1.10	1.12	1.20	1.17	1.19	1.24	1.19	1.20	1.19	1.22	1.11							
160	1.12	1.16	1.17	1.24	1.21	1.24	1.28	1.24	1.25	1.24	1.27	1.17							
165	1.19	1.22	1.22	1.28	1.26	1.29	1.32	1.28	1.30	1.27	1.32	1.24							
170	1.25	1.30	1.27	1.32	1.30	1.33	1.35	1.30	1.33	1.30	1.35	1.29							
175	1.30	1.34	1.31	1.35	1.33	1.35	1.36	1.33	1.35	1.33	1.35	1.32							
180	1.34	1.35	1.34	1.35	1.35	1.36	1.36	1.35	1.35	1.35	1.35	1.35							

C角度范围: 0度 - 360度
C角度间隔: 30.0度
测试速度: 快速
环境温度: 25.3℃
测试人员: LEIXIAOLAM
测试日期: 2024-11-25

γ角度范围: 0度 - 180度
γ角度间隔: 1.0度
测试系统: 远方 (EVERFINE) GO-2000B_V1 系统 V2.00.488
环境湿度: 65.0%
测试距离: 6.820米 [K=1.0000]
备注:

LUMINAIRE PHOTOMETRIC TEST REPORT

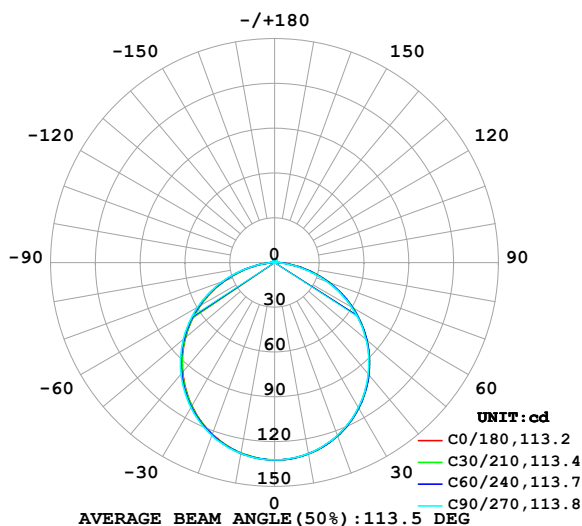
Test:U:23.997V I:0.5018A P:12.042W PF:1.0000 Freq:49.99Hz

Lamp Flux:361.5x1 lm

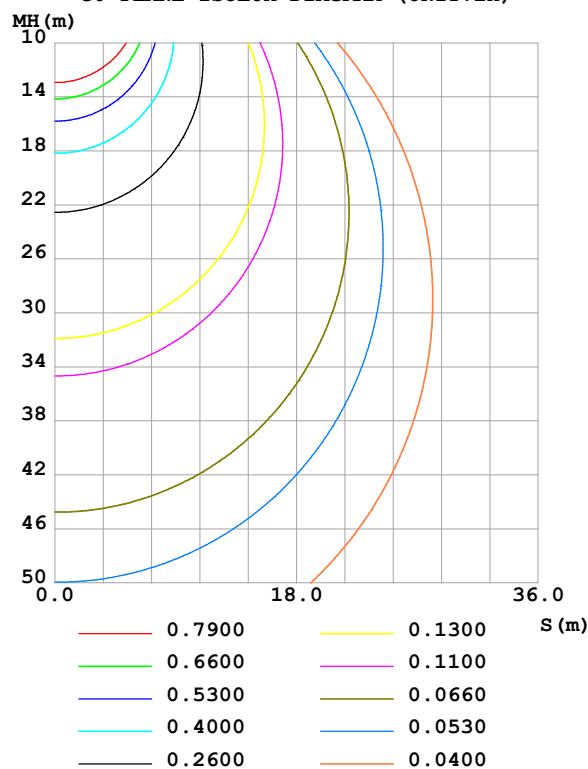
NAME: 霓虹灯条	TYPE: LED	WEIGHT:
SPEC.:	DIM.: 1000x16MM	SERIAL No.: 10305-0721-00
MFR.: iPixel LED	SUR.: 1000x16MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 32.34 lm/W
MODEL	N016120BC1DE1	Imax (cd)	132.2	S/MH(C0/180)	1.25	
NOMINAL POWER(W)	12	LOR(%)	107.7	S/MH(C90/270)	1.26	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	389.39	η UP,DN(C0-180)	1.1,53.0	
NOMINAL FLUX(lm)	361.5	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.1,52.6	
LAMPS INSIDE	1	η up (%)	2.2	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	η down (%)	105.5	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WANGHUALAN
Test Date:2025-02-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	130.1	130.2	129.9	129.6	129.6	129.6	129.9	130.2	0- 10	12.51	12.51	3.21,3.46
20	123.4	123.5	123.1	122.5	122.3	122.6	123.1	123.5	10- 20	35.84	48.35	12.4,13.4
30	112.5	112.7	112.3	111.3	110.9	111.4	112.2	112.7	20- 30	54.38	102.7	26.4,28.4
40	98.04	98.21	97.65	96.42	95.91	96.52	97.60	98.20	30- 40	65.73	168.5	43.3,46.6
50	80.48	80.62	79.90	78.46	77.97	78.63	79.83	80.60	40- 50	68.48	236.9	60.8,65.5
60	60.47	60.51	59.55	58.01	57.59	58.18	59.40	60.45	50- 60	62.27	299.2	76.8,82.8
70	38.70	38.48	37.17	35.75	35.47	35.93	37.07	38.44	60- 70	47.82	347.0	89.1,96
80	16.67	16.24	14.76	13.82	13.76	13.91	14.77	16.06	70- 80	27.32	374.3	96.1,104
90	1.621	1.336	0.5401	1.437	1.471	1.175	0.5307	1.268	80- 90	7.217	381.6	98,106
100	0.8247	0.7941	0.7203	1.078	1.239	1.005	0.6623	0.7687	90-100	1.013	382.6	98.2,106
110	0.9146	0.9130	0.9508	1.141	1.264	1.064	0.8676	0.8982	100-110	0.9999	383.6	98.5,106
120	1.055	1.077	1.152	1.262	1.329	1.187	1.066	1.075	110-120	1.064	384.6	98.8,106
130	1.267	1.275	1.350	1.397	1.448	1.336	1.264	1.240	120-130	1.105	385.7	99.1,107
140	1.476	1.455	1.538	1.562	1.603	1.505	1.465	1.444	130-140	1.090	386.8	99.3,107
150	1.642	1.666	1.721	1.726	1.750	1.689	1.663	1.642	140-150	0.9994	387.8	99.6,107
160	1.826	1.828	1.869	1.877	1.905	1.882	1.836	1.831	150-160	0.8184	388.6	99.8,108
170	1.898	1.984	2.006	2.003	1.984	2.021	2.002	2.020	160-170	0.5444	389.2	100,108
180	2.027	2.080	2.085	2.083	2.027	2.080	2.085	2.088	170-180	0.1939	389.4	100,108
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 202.92 lm

%lum = 52.1%

%lamp = 56.1%

Conical surface Flux(130deg): 325.38 lm

%lum = 83.6%

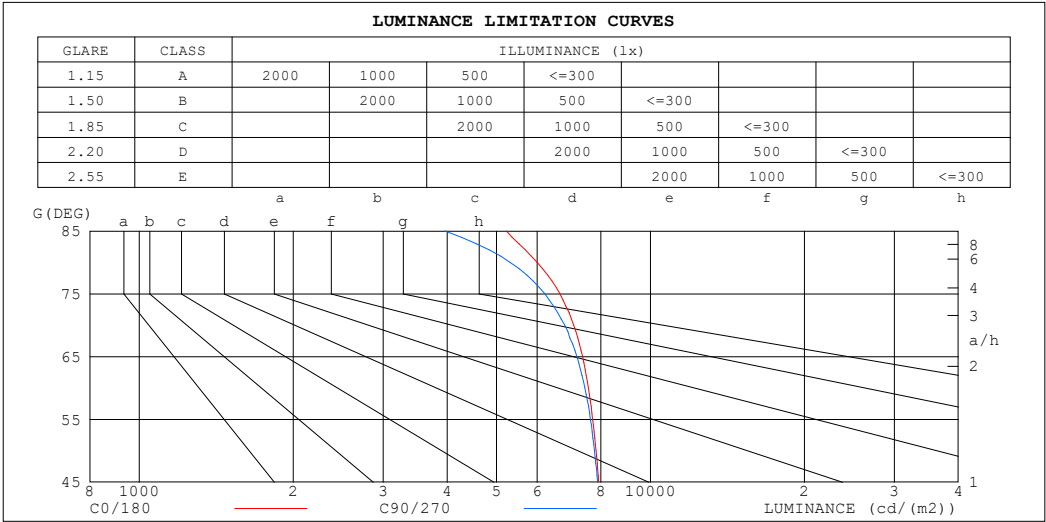
%lamp = 90.0%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WANGHUALAN
Test Date:2025-02-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:23.997V I:0.5018A P:12.042W PF:1.0000 Freq:49.99Hz Lamp Flux:361.5x1 lm		
NAME: 霓虹灯条	TYPE: LED	WEIGHT:
SPEC.:	DIM.: 1000×16MM	SERIAL No.: 10305-0721-00
MFR.: iPixel LED	SUR.: 1000×16MM	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5228	3964
80	6000	5311
75	6649	6212
70	7071	6793
65	7362	7174
60	7558	7444
55	7706	7629
50	7825	7769
45	7920	7878

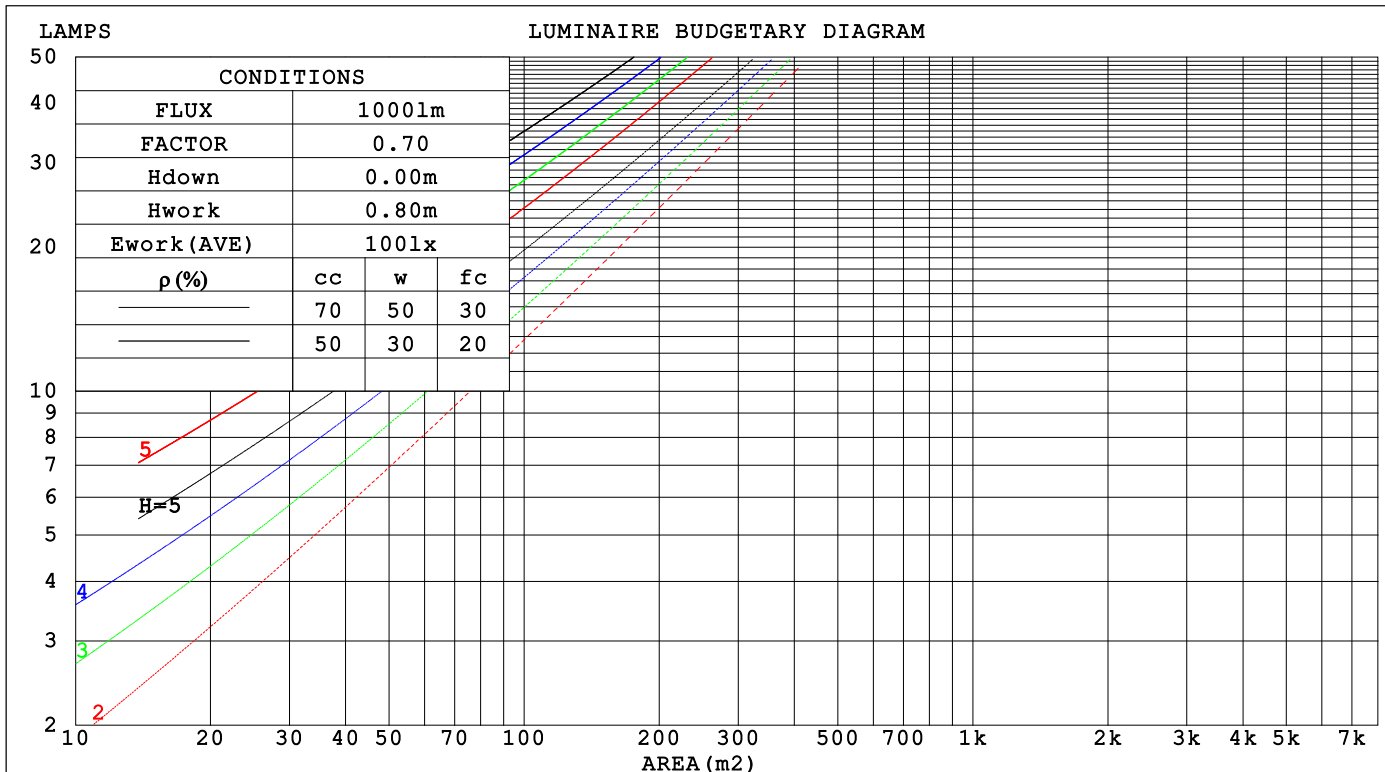
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WANGHUALAN
Test Date:2025-02-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.997V I:0.5018A P:12.042W PF:1.0000 Freq:49.99Hz Lamp Flux:361.5x1 lm		
NAME: 霓虹灯条	TYPE: LED	WEIGHT:
SPEC.:	DIM.: 1000x16MM	SERIAL No.: 10305-0721-00
MFR.: iPixel LED	SUR.: 1000x16MM	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0														
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
pfc	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Coefficients of Utilization(CU)														
0.0	1.28	1.28	1.28	1.24	1.24	1.24	1.18	1.18	1.18	1.13	1.13	1.13	1.08	1.08	1.08	1.06														
1.0	1.11	1.07	1.03	1.09	1.04	1.01	1.04	1.00	.97	.99	.96	.94	.95	.93	.91	.88														
2.0	.97	.89	.83	.95	.88	.82	.90	.85	.80	.87	.82	.78	.83	.79	.76	.73														
3.0	.85	.76	.69	.83	.75	.68	.80	.72	.67	.76	.70	.65	.73	.68	.64	.61														
4.0	.75	.66	.58	.74	.65	.58	.71	.63	.57	.68	.61	.56	.65	.59	.55	.52														
5.0	.67	.57	.50	.66	.57	.50	.63	.55	.49	.61	.54	.48	.59	.52	.48	.45														
6.0	.60	.51	.44	.59	.50	.43	.57	.49	.43	.55	.48	.42	.53	.47	.42	.39														
7.0	.55	.45	.38	.54	.45	.38	.52	.44	.38	.50	.43	.37	.48	.42	.37	.35														
8.0	.50	.41	.34	.49	.40	.34	.47	.39	.34	.46	.39	.33	.44	.38	.33	.31														
9.0	.46	.37	.31	.45	.36	.31	.44	.36	.30	.42	.35	.30	.41	.35	.30	.28														
10.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.25														



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WANGHUALAN
Test Date:2025-02-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:23.997V I:0.5018A P:12.042W PF:1.0000 Freq:49.99Hz Lamp Flux:361.5x1 lm		
NAME: 霓虹灯条	TYPE: LED	WEIGHT:
SPEC.:	DIM.: 1000x16MM	SERIAL No.: 10305-0721-00
MFR.: iPixel LED	SUR.: 1000x16MM	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.334	.190	.060	.326	.186	.059	.310	.178	.057	.296	.171	.055	.283	.164	.053		
2.0	.315	.172	.053	.307	.169	.052	.294	.163	.051	.281	.158	.049	.269	.152	.048		
3.0	.291	.155	.046	.285	.152	.046	.272	.148	.045	.261	.143	.044	.251	.139	.043		
4.0	.269	.140	.041	.263	.138	.041	.252	.134	.040	.242	.130	.039	.232	.126	.038		
5.0	.248	.126	.037	.243	.125	.036	.233	.121	.036	.224	.118	.035	.216	.115	.035		
6.0	.230	.115	.033	.226	.114	.033	.217	.111	.032	.209	.108	.032	.201	.106	.031		
7.0	.214	.106	.030	.210	.105	.030	.202	.102	.029	.195	.100	.029	.188	.098	.029		
8.0	.200	.098	.027	.196	.097	.027	.189	.095	.027	.183	.093	.027	.176	.091	.026		
9.0	.187	.091	.025	.184	.090	.025	.178	.088	.025	.172	.086	.025	.166	.084	.024		
10.0	.176	.084	.023	.173	.084	.023	.167	.082	.023	.162	.080	.023	.157	.079	.023		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)										
0.0	.222	.222	.222	.189	.189	.189	.129	.129	.129	.074	.074	.074	.024	.024	.024		
1.0	.211	.185	.161	.180	.159	.139	.123	.109	.096	.071	.063	.056	.023	.020	.018		
2.0	.202	.159	.122	.173	.137	.106	.119	.095	.074	.068	.055	.043	.022	.018	.014		
3.0	.194	.140	.097	.166	.121	.084	.114	.084	.059	.066	.049	.035	.021	.016	.011		
4.0	.186	.126	.080	.160	.109	.069	.110	.076	.049	.063	.044	.029	.020	.014	.009		
5.0	.178	.115	.068	.153	.099	.059	.105	.069	.042	.061	.041	.025	.020	.013	.008		
6.0	.170	.106	.059	.146	.091	.052	.101	.064	.036	.059	.038	.022	.019	.012	.007		
7.0	.163	.098	.053	.140	.085	.046	.097	.060	.033	.056	.035	.019	.018	.012	.006		
8.0	.156	.092	.048	.134	.080	.042	.093	.056	.030	.054	.033	.018	.017	.011	.006		
9.0	.149	.087	.044	.129	.075	.039	.089	.053	.027	.052	.031	.016	.017	.010	.005		
10.0	.143	.082	.041	.124	.071	.036	.086	.050	.026	.050	.030	.015	.016	.010	.005		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WANGHUALAN
Test Date:2025-02-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:23.997V I:0.5018A P:12.042W PF:1.0000 Freq:49.99Hz Lamp Flux:361.5x1 lm											
NAME: 霓虹灯条					TYPE: LED			WEIGHT:			
SPEC.:					DIM.: 1000×16MM			SERIAL No.: 10305-0721-00			
MFR.: iPixel LED					SUR.: 1000x16MM			Shielding Angle:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H	2H	23.5	25.0	23.8	25.2	25.5	23.4	24.9	23.7	25.2	25.4
	3H	25.1	26.5	25.4	26.7	27.0	25.0	26.4	25.3	26.6	26.9
	4H	25.7	27.0	26.1	27.3	27.6	25.6	26.9	25.9	27.2	27.5
	6H	26.2	27.4	26.6	27.7	28.1	26.0	27.2	26.3	27.5	27.8
	8H	26.3	27.5	26.7	27.9	28.2	26.1	27.3	26.5	27.6	27.9
	12H	26.4	27.6	26.8	27.9	28.3	26.1	27.3	26.5	27.6	28.0
4H	2H	24.1	25.4	24.5	25.7	26.0	24.1	25.4	24.4	25.7	26.0
	3H	25.9	27.0	26.3	27.4	27.7	25.8	27.0	26.2	27.3	27.6
	4H	26.7	27.7	27.1	28.1	28.5	26.5	27.6	26.9	27.9	28.3
	6H	27.3	28.2	27.7	28.6	29.0	27.0	28.0	27.5	28.4	28.8
	8H	27.5	28.3	27.9	28.7	29.2	27.2	28.1	27.6	28.5	28.9
	12H	27.6	28.4	28.0	28.8	29.3	27.3	28.1	27.7	28.5	28.9
8H	4H	26.9	27.8	27.4	28.2	28.6	26.8	27.7	27.3	28.1	28.5
	6H	27.7	28.4	28.1	28.8	29.3	27.5	28.2	27.9	28.6	29.1
	8H	28.0	28.6	28.5	29.1	29.6	27.7	28.3	28.2	28.8	29.3
	12H	28.2	28.7	28.7	29.2	29.7	27.9	28.4	28.4	28.9	29.4
12H	4H	26.9	27.7	27.4	28.2	28.6	26.8	27.6	27.3	28.0	28.5
	6H	27.7	28.4	28.2	28.8	29.3	27.5	28.2	28.0	28.6	29.1
	8H	28.1	28.6	28.6	29.1	29.6	27.8	28.4	28.3	28.8	29.4
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.3					

CIE Pub.117, 361.5 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.5)
Area: 0.016 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WANGHUALAN
Test Date:2025-02-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:23.997V I:0.5018A P:12.042W PF:1.0000 Freq:49.99Hz Lamp Flux:361.5x1 lm		
NAME: 霓虹灯条	TYPE: LED	WEIGHT:
SPEC.:	DIM.: 1000x16MM	SERIAL No.: 10305-0721-00
MFR.: iPixel LED	SUR.: 1000x16MM	Shielding Angle:

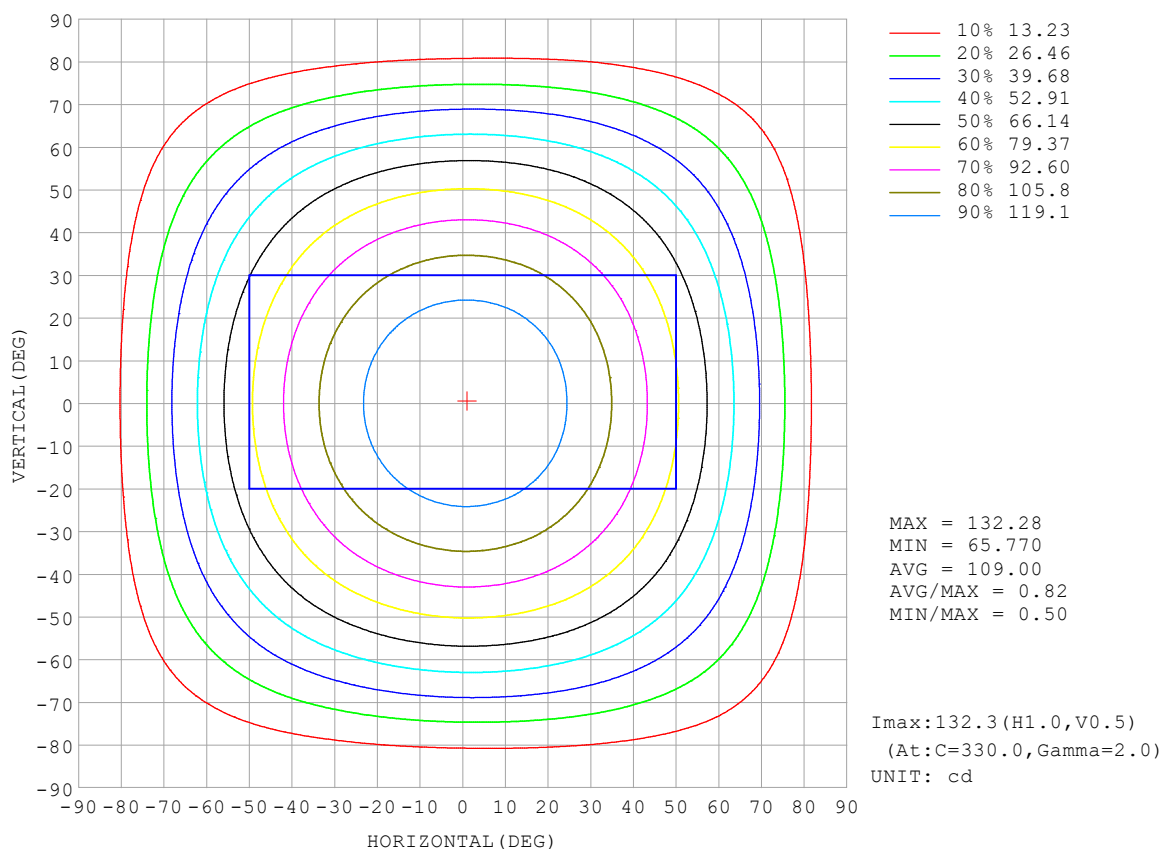
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	61	49	41	60	48	41	59	48	41	34
0.80	72	59	51	71	59	51	69	58	51	43
1.00	81	69	61	79	68	61	77	69	60	52
1.25	89	77	69	87	76	69	84	75	68	60
1.50	94	83	76	92	82	75	89	80	74	65
2.00	101	92	85	99	91	84	95	88	82	73
2.50	106	97	91	103	96	90	99	92	87	78
3.00	109	102	96	107	100	95	102	97	92	82
4.00	114	107	102	111	105	101	106	101	98	87
5.00	116	111	107	114	109	105	108	105	101	91
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3℃
Operators: WANGHUALAN
Test Date: 2025-02-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:23.997V I:0.5018A P:12.042W PF:1.0000 Freq:49.99Hz Lamp Flux:361.5x1 lm		
NAME: 霓虹灯条	TYPE: LED	WEIGHT:
SPEC.:	DIM.: 1000x16MM	SERIAL No.: 10305-0721-00
MFR.: iPixel LED	SUR.: 1000x16MM	Shielding Angle:

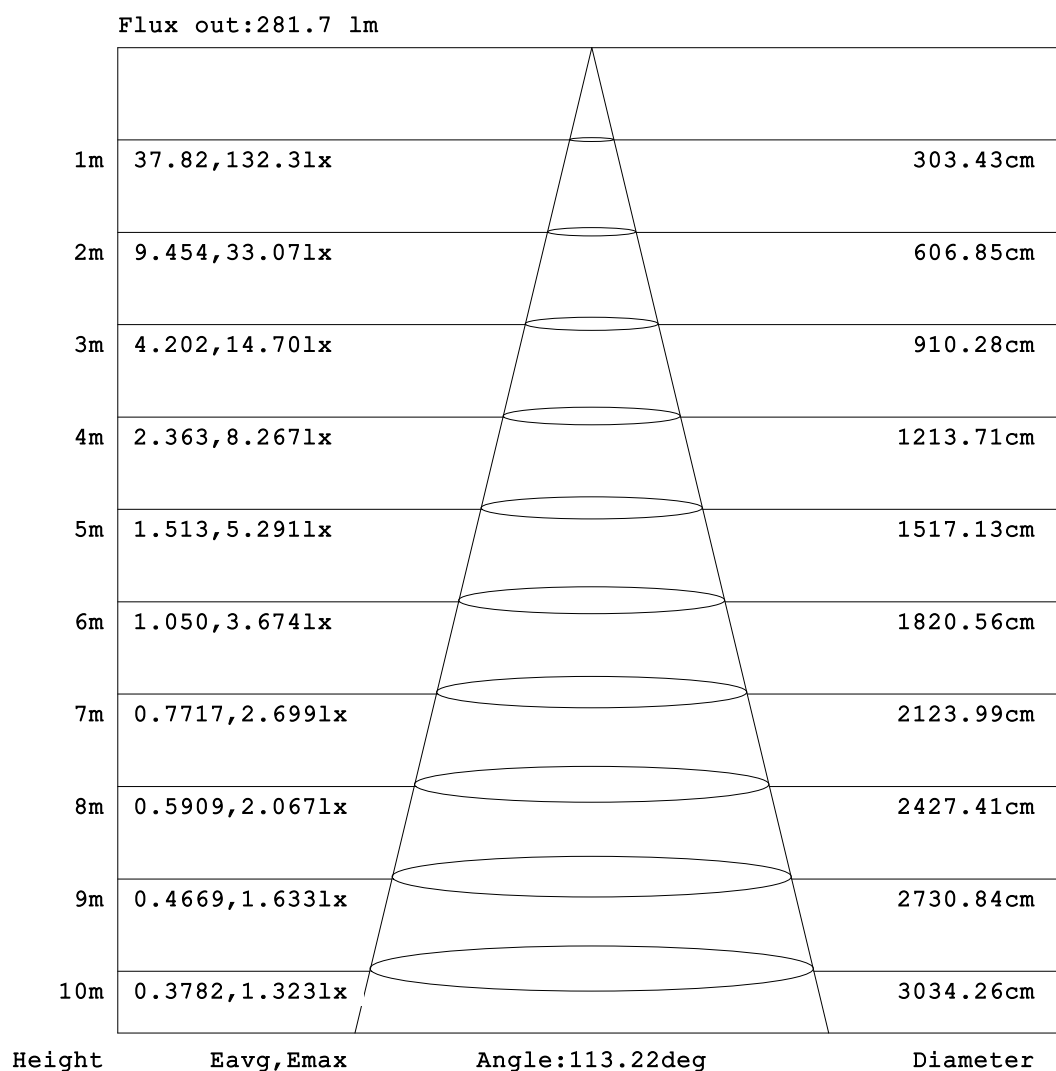


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WANGHUALAN
Test Date:2025-02-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

AAI Figure

Test:U:23.997V I:0.5018A P:12.042W PF:1.0000 Freq:49.99Hz Lamp Flux:361.5x1 lm		
NAME: 霓虹灯条	TYPE: LED	WEIGHT:
SPEC.:	DIM.: 1000x16MM	SERIAL No.: 10305-0721-00
MFR.: iPixel LED	SUR.: 1000x16MM	Shielding Angle:



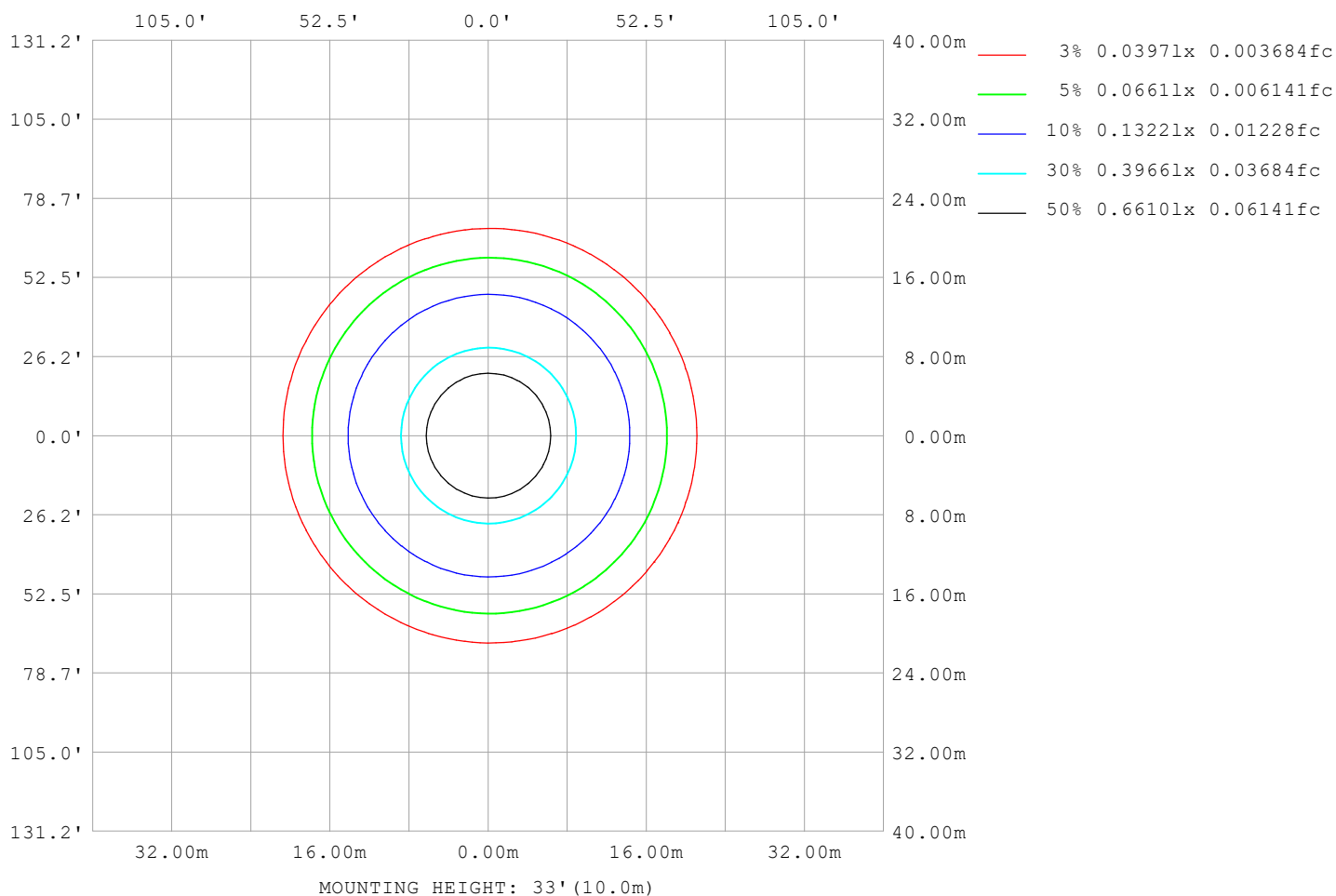
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WANGHUALAN
Test Date:2025-02-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:23.997V I:0.5018A P:12.042W PF:1.0000 Freq:49.99Hz Lamp Flux:361.5x1 lm		
NAME: 霓虹灯条	TYPE: LED	WEIGHT:
SPEC.:	DIM.: 1000×16MM	SERIAL No.: 10305-0721-00
MFR.: iPixel LED	SUR.: 1000×16MM	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: WANGHUALAN
Test Date: 2025-02-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:23.997V I:0.5018A P:12.042W PF:1.0000 Freq:49.99Hz Lamp Flux:361.5x1 lm		
NAME: 霓虹灯条	TYPE: LED	WEIGHT:
SPEC.:	DIM.: 1000×16MM	SERIAL No.: 10305-0721-00
MFR.: iPixel LED	SUR.: 1000×16MM	Shielding Angle:

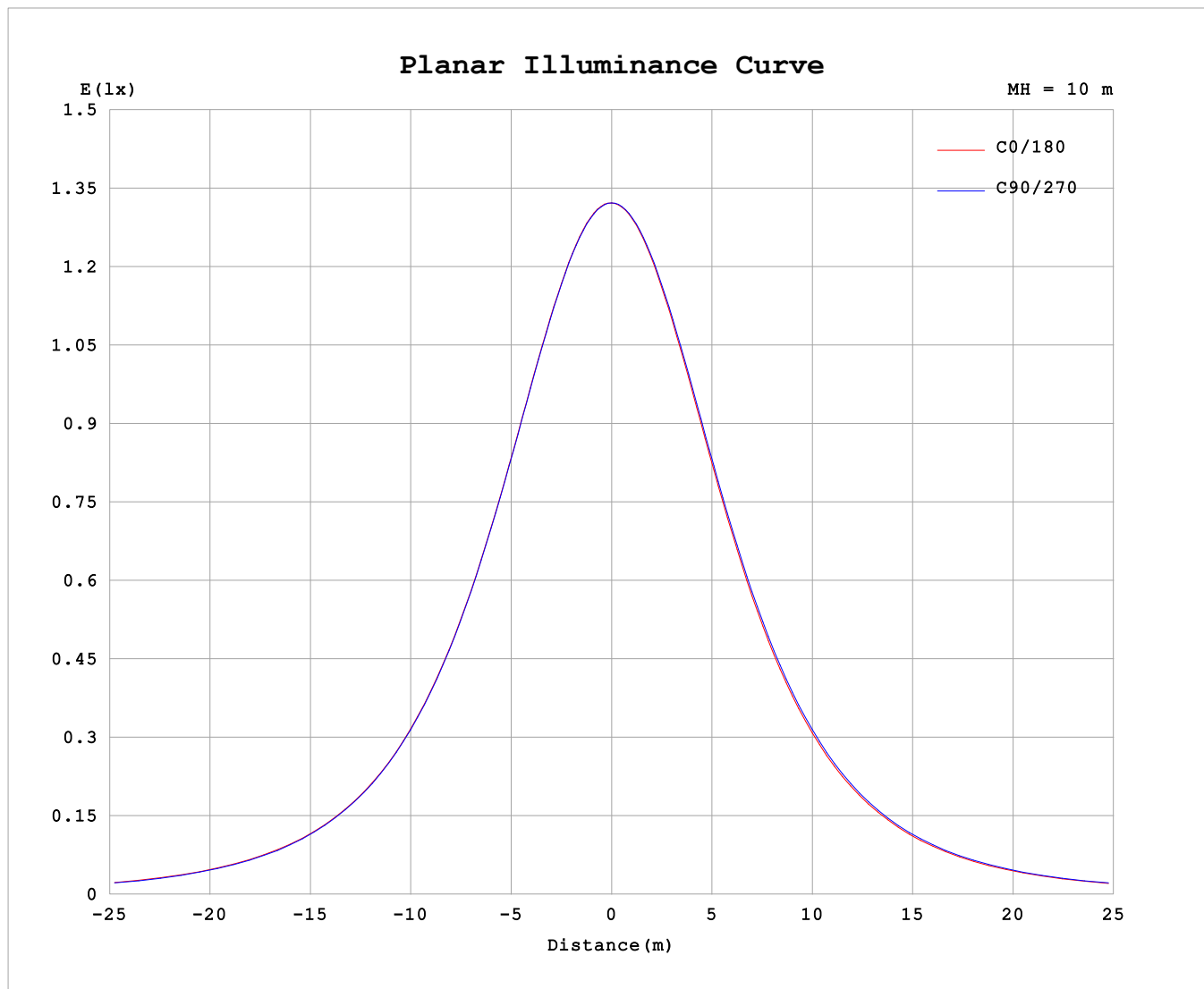
AvgL	cd/m2
L_0~180 (65) av	7133
L_0~180 (75) av	6257
L_0~180 (85) av	4500
L_90~270 (65) av	7168
L_90~270 (75) av	6210
L_90~270 (85) av	3952
L_45 (65) av	7158
L_45 (75) av	6240
L_45 (85) av	4089

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WANGHUALAN
Test Date:2025-02-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: WANGHUALAN
Test Date: 2025-02-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.997V I:0.5018A P:12.042W PF:1.0000 Freq:49.99Hz Lamp Flux:361.5x1 lm		
NAME: 霓虹灯条	TYPE: LED	WEIGHT:
SPEC.:	DIM.: 1000x16MM	SERIAL No.: 10305-0721-00
MFR.: iPixel LED	SUR.: 1000x16MM	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	132	132	132	132	132	132	132	132	132	132	132	132							
5	132	132	132	132	132	131	131	131	132	132	132	132							
10	130	130	130	130	130	130	130	130	130	130	130	130							
15	127	127	127	127	127	126	126	127	127	127	127	127							
20	123	124	123	123	123	122	122	122	123	123	123	124							
25	118	119	119	118	118	117	117	117	118	118	119	119							
30	113	113	113	112	112	111	111	111	112	112	113	113							
35	106	106	106	105	105	104	104	104	105	105	106	106							
40	98.0	98.2	98.2	97.6	96.8	96.0	95.9	96.2	96.9	97.6	98.2	98.2							
45	89.6	89.8	89.8	89.1	88.2	87.4	87.3	87.5	88.3	89.0	89.7	89.8							
50	80.5	80.7	80.6	79.9	78.9	78.1	78.0	78.2	79.1	79.8	80.6	80.6							
55	70.7	70.9	70.7	70.0	68.9	68.1	68.0	68.2	69.1	69.9	70.7	70.9							
60	60.5	60.7	60.3	59.5	58.4	57.6	57.6	57.7	58.6	59.4	60.4	60.5							
65	49.8	49.9	49.5	48.5	47.4	46.7	46.7	46.8	47.6	48.4	49.5	49.8							
70	38.7	38.8	38.2	37.2	36.0	35.5	35.5	35.6	36.3	37.1	38.2	38.7							
75	27.5	27.6	26.8	25.7	24.7	24.3	24.3	24.3	24.9	25.7	26.9	27.2							
80	16.7	16.7	15.8	14.8	13.9	13.7	13.8	13.7	14.1	14.8	16.0	16.2							
85	7.29	7.20	6.49	5.53	5.27	5.29	5.26	5.09	5.27	5.50	6.46	4.73							
90	1.62	1.49	1.18	0.54	1.30	1.57	1.47	1.32	1.03	0.53	0.90	1.63							
95	0.84	0.80	0.75	0.61	1.02	1.25	1.24	1.16	0.86	0.56	0.70	0.85							
100	0.82	0.83	0.76	0.72	0.96	1.19	1.24	1.14	0.87	0.66	0.74	0.80							
105	0.86	0.90	0.82	0.83	0.98	1.21	1.24	1.14	0.93	0.77	0.82	0.83							
110	0.91	0.96	0.86	0.95	1.05	1.23	1.26	1.14	0.99	0.87	0.90	0.90							
115	0.97	1.02	0.95	1.05	1.12	1.27	1.29	1.18	1.07	0.97	0.99	0.96							
120	1.05	1.11	1.04	1.15	1.21	1.32	1.33	1.22	1.15	1.07	1.09	1.06							
125	1.16	1.20	1.16	1.25	1.27	1.37	1.39	1.29	1.22	1.16	1.18	1.15							
130	1.27	1.26	1.29	1.35	1.35	1.44	1.45	1.35	1.32	1.26	1.28	1.20							
135	1.38	1.34	1.39	1.44	1.44	1.52	1.52	1.43	1.42	1.37	1.38	1.31							
140	1.48	1.43	1.48	1.54	1.53	1.59	1.60	1.49	1.52	1.47	1.47	1.41							
145	1.56	1.56	1.58	1.64	1.63	1.67	1.67	1.59	1.61	1.56	1.57	1.52							
150	1.64	1.67	1.66	1.72	1.70	1.75	1.75	1.68	1.70	1.66	1.66	1.62							
155	1.74	1.76	1.75	1.80	1.78	1.83	1.83	1.78	1.79	1.75	1.79	1.70							
160	1.83	1.83	1.82	1.87	1.85	1.90	1.91	1.88	1.89	1.84	1.87	1.79							
165	1.84	1.93	1.90	1.94	1.91	1.97	1.95	1.94	1.97	1.93	1.96	1.92							
170	1.90	2.00	1.97	2.01	1.97	2.03	1.98	2.01	2.04	2.00	2.03	2.00							
175	1.98	2.07	2.03	2.06	2.03	2.08	2.03	2.05	2.08	2.05	2.08	2.06							
180	2.03	2.08	2.08	2.08	2.08	2.09	2.03	2.08	2.08	2.08	2.08	2.09							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WANGHUALAN
Test Date:2025-02-06

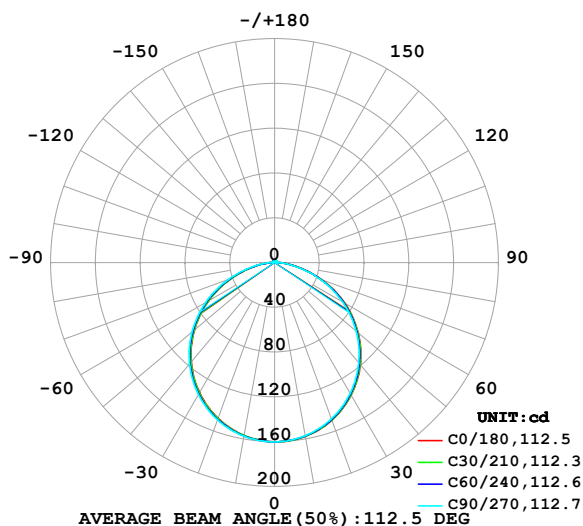
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

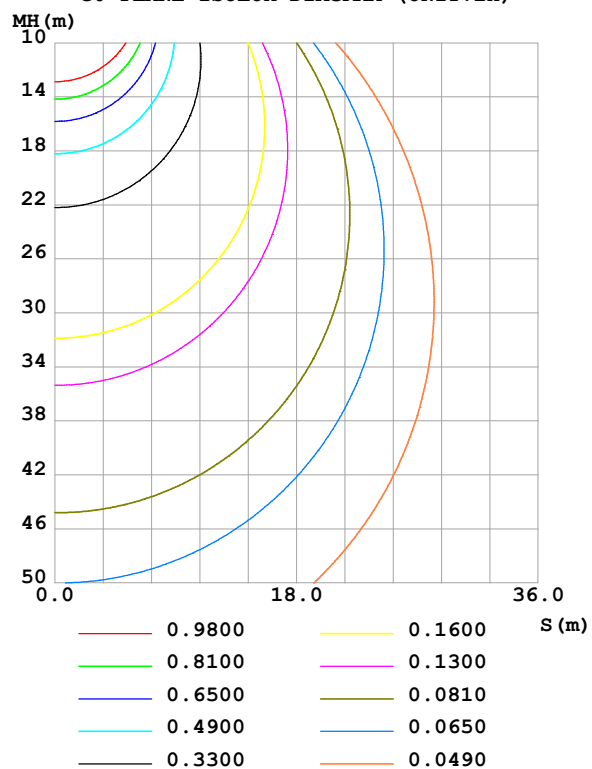
Test:U:23.997V I:0.9129A P:21.907W PF:1.0000 Freq:0Hz Lamp Flux:228.48x1 lm		
NAME: N016084CC4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000×16×16MM	DIM.: 1000×16×16MM	SERIAL No.: 10305-0552-00
MFR.: iPixel LED	SUR.: 1000×16MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 21.37 lm/W
MODEL	N016084CC4ST Mixed	Imax (cd)	160.1	S/MH(C0/180)	1.25	
NOMINAL POWER(W)	23	LOR(%)	204.9	S/MH(C90/270)	1.26	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	468.20	η UP,DN(C0-180)	2.2,100.3	
NOMINAL FLUX(lm)	228.48	CIE CLASS	DIRECT	η UP,DN(C180-360)	2.2,100.2	
LAMPS INSIDE	1	η up (%)	4.4	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	η down (%)	200.5	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	157.7	157.5	157.0	156.7	156.8	157.1	157.5	157.9	0- 10	15.15	15.15	3.24,6.63
20	149.8	149.4	148.5	148.0	148.0	148.7	149.5	150.0	10- 20	43.41	58.56	12.5,25.6
30	136.8	136.1	135.0	134.2	134.2	135.1	136.2	136.9	20- 30	65.85	124.4	26.6,54.4
40	119.2	118.3	117.0	115.9	115.8	116.9	118.2	119.2	30- 40	79.50	203.9	43.6,89.2
50	97.53	96.49	95.02	93.77	93.54	94.59	96.31	97.44	40- 50	82.53	286.4	61.2,125
60	72.38	71.35	70.00	68.48	67.94	68.91	70.93	72.29	50- 60	74.38	360.8	77.1,158
70	44.70	44.09	43.12	41.39	40.68	41.36	43.58	45.04	60- 70	56.09	416.9	89,182
80	19.26	18.36	17.67	16.44	16.09	16.03	17.94	19.25	70- 80	31.47	448.4	95.8,196
90	4.176	3.089	1.677	2.737	2.995	2.419	1.412	3.462	80- 90	9.677	458.1	97.8,200
100	1.122	1.200	1.818	1.286	1.103	1.234	1.887	1.128	90-100	1.893	459.9	98.2,201
110	0.9929	1.241	1.609	1.358	1.163	1.316	1.587	1.151	100-110	1.348	461.3	98.5,202
120	1.223	1.334	1.627	1.507	1.362	1.477	1.504	1.300	110-120	1.335	462.6	98.8,202
130	1.450	1.465	1.674	1.655	1.596	1.664	1.587	1.487	120-130	1.334	464.0	99.1,203
140	1.677	1.651	1.786	1.806	1.820	1.847	1.786	1.695	130-140	1.286	465.3	99.4,204
150	1.865	1.863	1.977	1.962	1.997	2.019	1.992	1.911	140-150	1.161	466.4	99.6,204
160	2.053	2.078	2.151	2.126	2.146	2.182	2.172	2.118	150-160	0.9399	467.4	99.8,205
170	2.216	2.266	2.310	2.289	2.288	2.318	2.313	2.287	160-170	0.6243	468.0	100,205
180	2.327	2.369	2.375	2.367	2.348	2.363	2.368	2.369	170-180	0.2216	468.2	100,205
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 245.49 lm

%lum = 52.4%

%lamp = 107.4%

Conical surface Flux(130deg): 391.68 lm

%lum = 83.7%

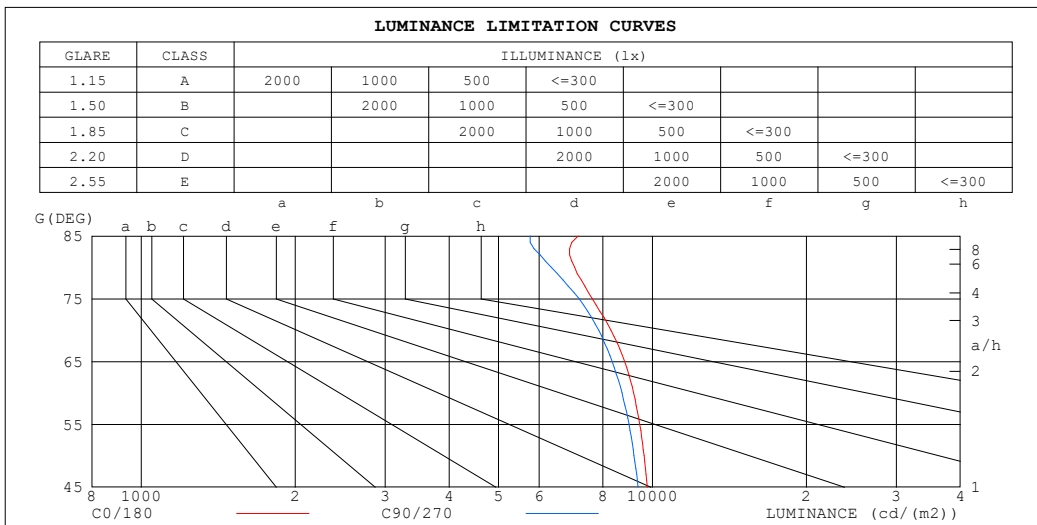
%lamp = 171.4%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:23.997V I:0.9129A P:21.907W PF:1.0000 Freq:0Hz Lamp Flux:228.48x1 lm		
NAME: N016084CC4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000×16×16MM	DIM.: 1000×16×16MM	SERIAL No.: 10305-0552-00
MFR.: iPixel LED	SUR.: 1000×16MM	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	7152	5761
80	7038	6336
75	7627	7186
70	8294	7849
65	8820	8341
60	9185	8716
55	9439	8993
50	9628	9203
45	9769	9370

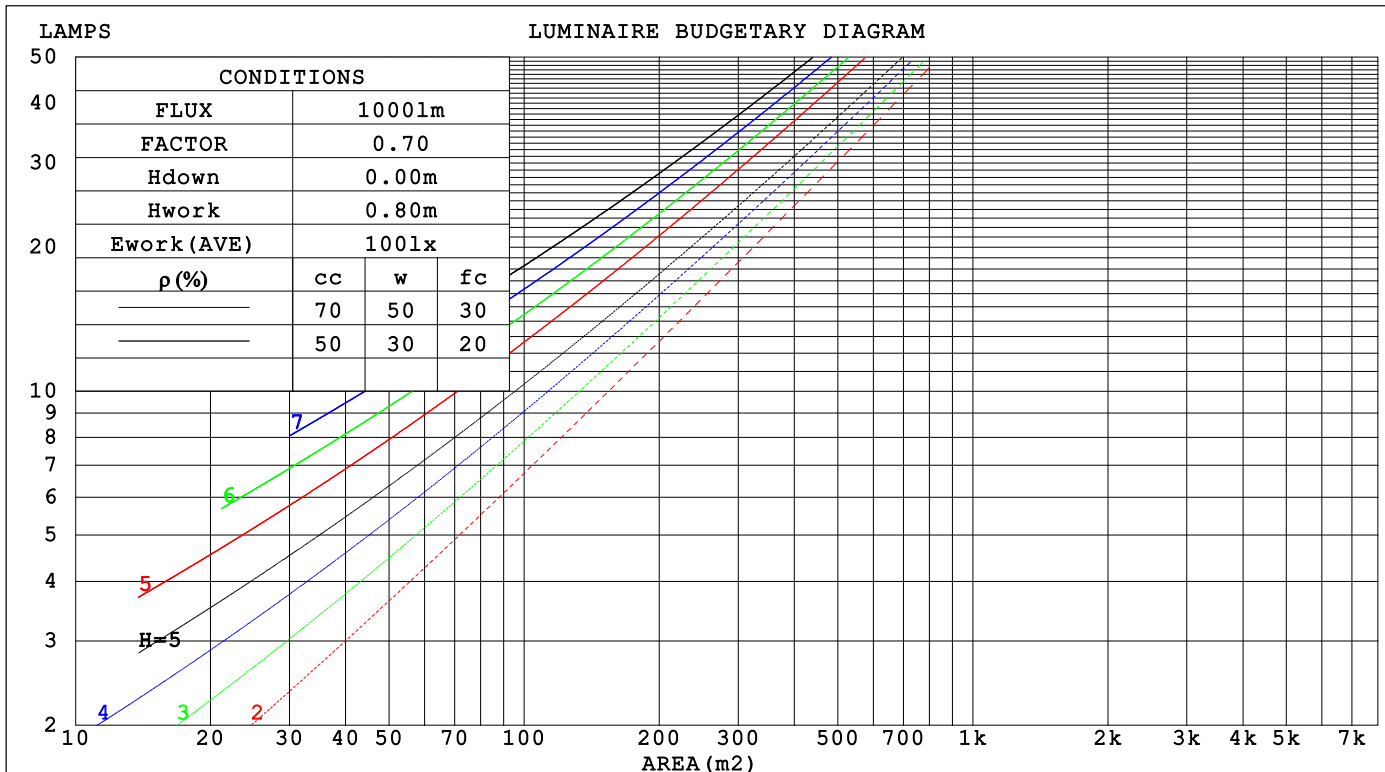
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.997V I:0.9129A P:21.907W PF:1.0000 Freq:0Hz Lamp Flux:228.48x1 lm		
NAME: N016084CC4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000×16×16MM	DIM.: 1000×16×16MM	SERIAL No.: 10305-0552-00
MFR.: iPixel LED	SUR.: 1000×16MM	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	2.43	2.43	2.43	2.37	2.37	2.37	2.25	2.25	2.25	2.15	2.15	2.15	2.05	2.05	2.05	2.00
1.0	2.12	2.03	1.95	2.07	1.99	1.91	1.97	1.91	1.84	1.88	1.83	1.78	1.80	1.76	1.72	1.67
2.0	1.84	1.70	1.59	1.80	1.67	1.56	1.72	1.61	1.52	1.65	1.56	1.48	1.58	1.50	1.44	1.39
3.0	1.62	1.45	1.32	1.58	1.43	1.30	1.51	1.38	1.27	1.45	1.34	1.24	1.39	1.30	1.22	1.17
4.0	1.43	1.25	1.11	1.40	1.23	1.10	1.34	1.20	1.08	1.29	1.17	1.06	1.24	1.13	1.04	.00
5.0	1.28	1.09	.96	1.25	1.08	.95	1.20	1.05	.94	1.16	1.03	.92	1.12	1.00	.91	.86
6.0	1.15	.97	.83	1.13	.95	.83	1.09	.93	.82	1.05	.91	.81	1.01	.89	.80	.75
7.0	1.04	.86	.74	1.02	.85	.73	.99	.83	.72	.95	.82	.71	.92	.80	.71	.66
8.0	.95	.78	.66	.93	.77	.65	.90	.75	.65	.87	.74	.64	.85	.72	.63	.59
9.0	.87	.70	.59	.86	.70	.59	.83	.68	.58	.81	.67	.58	.78	.66	.57	.53
10.0	.80	.64	.53	.79	.64	.53	.77	.63	.53	.75	.62	.52	.73	.60	.52	.48



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:23.997V I:0.9129A P:21.907W PF:1.0000 Freq:0Hz		
Lamp Flux:228.48x1 lm		
NAME: N016084CC4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000×16×16MM	DIM.: 1000×16×16MM	SERIAL No.: 10305-0552-00
MFR.: iPixel LED	SUR.: 1000×16MM	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.636	.362	.115	.620	.354	.112	.590	.339	.108	.563	.325	.104	.538	.312	.100		
2.0	.597	.327	.100	.583	.321	.099	.556	.309	.096	.532	.298	.093	.510	.288	.091		
3.0	.552	.294	.088	.539	.289	.087	.516	.280	.085	.494	.271	.083	.474	.263	.081		
4.0	.509	.265	.078	.498	.261	.077	.477	.253	.076	.458	.246	.074	.440	.239	.073		
5.0	.471	.240	.069	.461	.237	.069	.442	.230	.068	.425	.224	.067	.409	.218	.066		
6.0	.436	.219	.063	.428	.216	.062	.411	.211	.061	.396	.206	.060	.381	.201	.060		
7.0	.406	.201	.057	.398	.198	.057	.383	.194	.056	.369	.189	.055	.356	.185	.054		
8.0	.379	.185	.052	.372	.183	.052	.359	.179	.051	.346	.175	.051	.334	.172	.050		
9.0	.356	.172	.048	.349	.170	.048	.337	.167	.047	.326	.163	.047	.315	.160	.046		
10.0	.334	.160	.044	.329	.159	.044	.318	.156	.044	.307	.153	.043	.297	.150	.043		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)										
0.0	.424	.424	.424	.362	.362	.362	.247	.247	.247	.142	.142	.142	.045	.045	.045		
1.0	.404	.354	.309	.345	.304	.266	.236	.209	.184	.136	.121	.107	.044	.039	.035		
2.0	.387	.305	.235	.332	.262	.203	.227	.181	.142	.131	.106	.083	.042	.034	.027		
3.0	.371	.269	.187	.318	.232	.162	.219	.161	.114	.126	.094	.067	.041	.031	.022		
4.0	.356	.242	.154	.305	.209	.134	.210	.145	.094	.121	.085	.056	.039	.028	.018		
5.0	.341	.220	.132	.292	.191	.115	.201	.133	.081	.117	.078	.048	.038	.026	.016		
6.0	.326	.203	.115	.280	.176	.100	.193	.123	.071	.112	.072	.042	.036	.024	.014		
7.0	.312	.189	.103	.268	.164	.090	.185	.115	.064	.108	.068	.038	.035	.022	.013		
8.0	.299	.177	.094	.257	.154	.082	.178	.108	.058	.104	.064	.035	.034	.021	.011		
9.0	.286	.167	.087	.247	.145	.076	.171	.102	.054	.100	.060	.032	.032	.020	.011		
10.0	.275	.159	.081	.237	.138	.071	.164	.097	.050	.096	.057	.030	.031	.019	.010		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:23.997V I:0.9129A P:21.907W PF:1.0000 Freq:0Hz Lamp Flux:228.48x1 lm										
NAME: N016084CC4ST Mixed					TYPE: LED			WEIGHT:		
SPEC.: 1000×16×16MM					DIM.: 1000×16×16MM			SERIAL No.: 10305-0552-00		
MFR.: iPixel LED					SUR.: 1000×16MM			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	25.8	27.2	26.1	27.5	27.7	25.6	27.1	25.9	27.3	27.5
3H	27.3	28.6	27.6	28.9	29.2	27.0	28.4	27.4	28.7	29.0
4H	27.9	29.2	28.2	29.5	29.8	27.6	28.9	28.0	29.2	29.5
6H	28.3	29.5	28.7	29.8	30.2	28.0	29.2	28.4	29.5	29.9
8H	28.4	29.6	28.8	30.0	30.3	28.1	29.3	28.5	29.6	30.0
12H	28.6	29.7	28.9	30.0	30.4	28.2	29.3	28.6	29.7	30.0
4H 2H	26.3	27.6	26.7	27.9	28.2	26.2	27.5	26.5	27.8	28.1
3H	28.0	29.2	28.4	29.5	29.9	27.8	29.0	28.2	29.3	29.7
4H	28.7	29.8	29.2	30.1	30.5	28.5	29.6	28.9	29.9	30.3
6H	29.3	30.2	29.7	30.6	31.0	29.0	30.0	29.5	30.4	30.8
8H	29.5	30.4	30.0	30.8	31.2	29.2	30.1	29.7	30.5	30.9
12H	29.7	30.5	30.1	30.9	31.3	29.3	30.1	29.8	30.5	31.0
8H 4H	29.0	29.8	29.4	30.3	30.7	28.8	29.7	29.2	30.1	30.5
6H	29.7	30.4	30.2	30.9	31.3	29.4	30.2	29.9	30.6	31.1
8H	30.0	30.6	30.5	31.1	31.6	29.7	30.3	30.2	30.8	31.3
12H	30.2	30.8	30.8	31.3	31.8	29.9	30.4	30.4	30.9	31.5
12H 4H	29.0	29.8	29.4	30.2	30.7	28.8	29.6	29.3	30.0	30.5
6H	29.7	30.4	30.2	30.8	31.3	29.5	30.1	30.0	30.6	31.1
8H	30.1	30.6	30.6	31.1	31.6	29.8	30.3	30.3	30.8	31.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 228.5 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.1)
Area: 0.016 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:23.997V I:0.9129A P:21.907W PF:1.0000 Freq:0Hz Lamp Flux:228.48x1 lm		
NAME: N016084CC4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x16x16MM	DIM.: 1000x16x16MM	SERIAL No.: 10305-0552-00
MFR.: iPixel LED	SUR.: 1000x16MM	Shielding Angle:

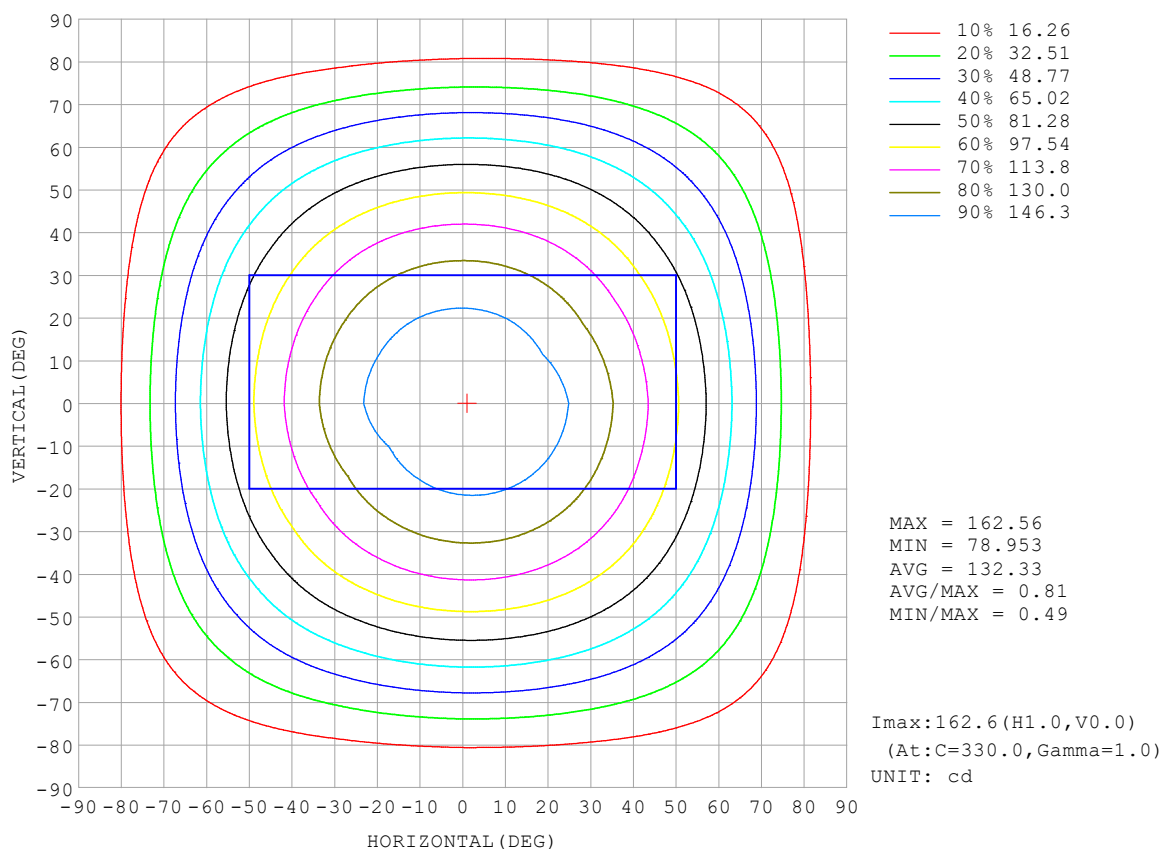
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	116	93	78	115	92	78	112	91	78	64
0.80	137	113	98	135	112	97	131	110	97	82
1.00	154	131	116	151	130	116	147	132	114	99
1.25	169	147	132	165	145	131	160	142	129	114
1.50	179	159	144	175	156	143	169	152	140	124
2.00	193	175	162	189	173	160	181	168	157	140
2.50	201	185	172	197	182	170	188	176	166	148
3.00	208	194	182	203	190	180	194	184	175	156
4.00	216	204	195	211	200	192	202	193	185	166
5.00	221	211	203	216	207	199	206	199	192	172
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: WHL
Test Date: 2025-05-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:23.997V I:0.9129A P:21.907W PF:1.0000 Freq:0Hz Lamp Flux:228.48x1 lm		
NAME: N016084CC4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000×16×16MM	DIM.: 1000×16×16MM	SERIAL No.: 10305-0552-00
MFR.: iPixel LED	SUR.: 1000×16MM	Shielding Angle:

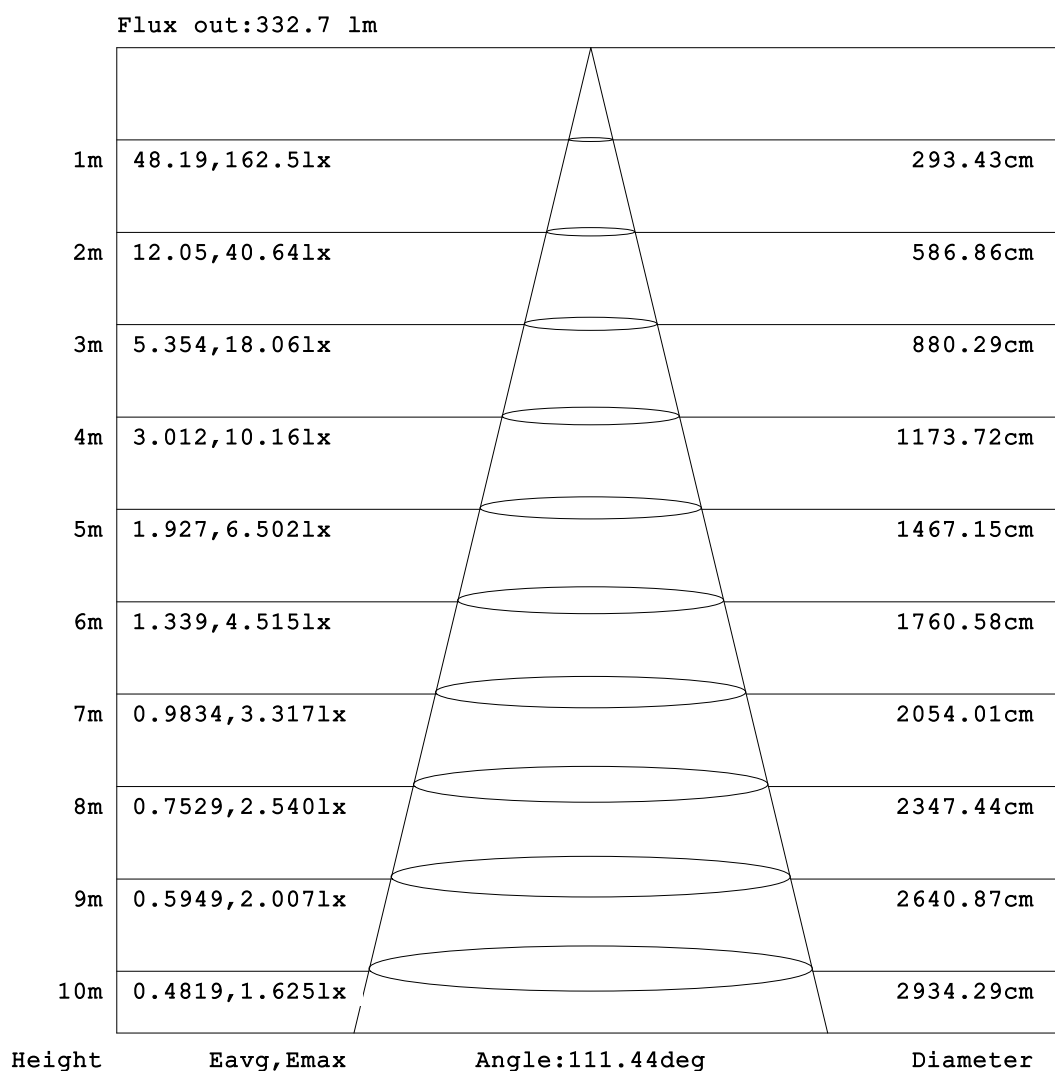


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

AAI Figure

Test:U:23.997V I:0.9129A P:21.907W PF:1.0000 Freq:0Hz Lamp Flux:228.48x1 lm		
NAME: N016084CC4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000×16×16MM	DIM.: 1000×16×16MM	SERIAL No.: 10305-0552-00
MFR.: iPixel LED	SUR.: 1000×16MM	Shielding Angle:



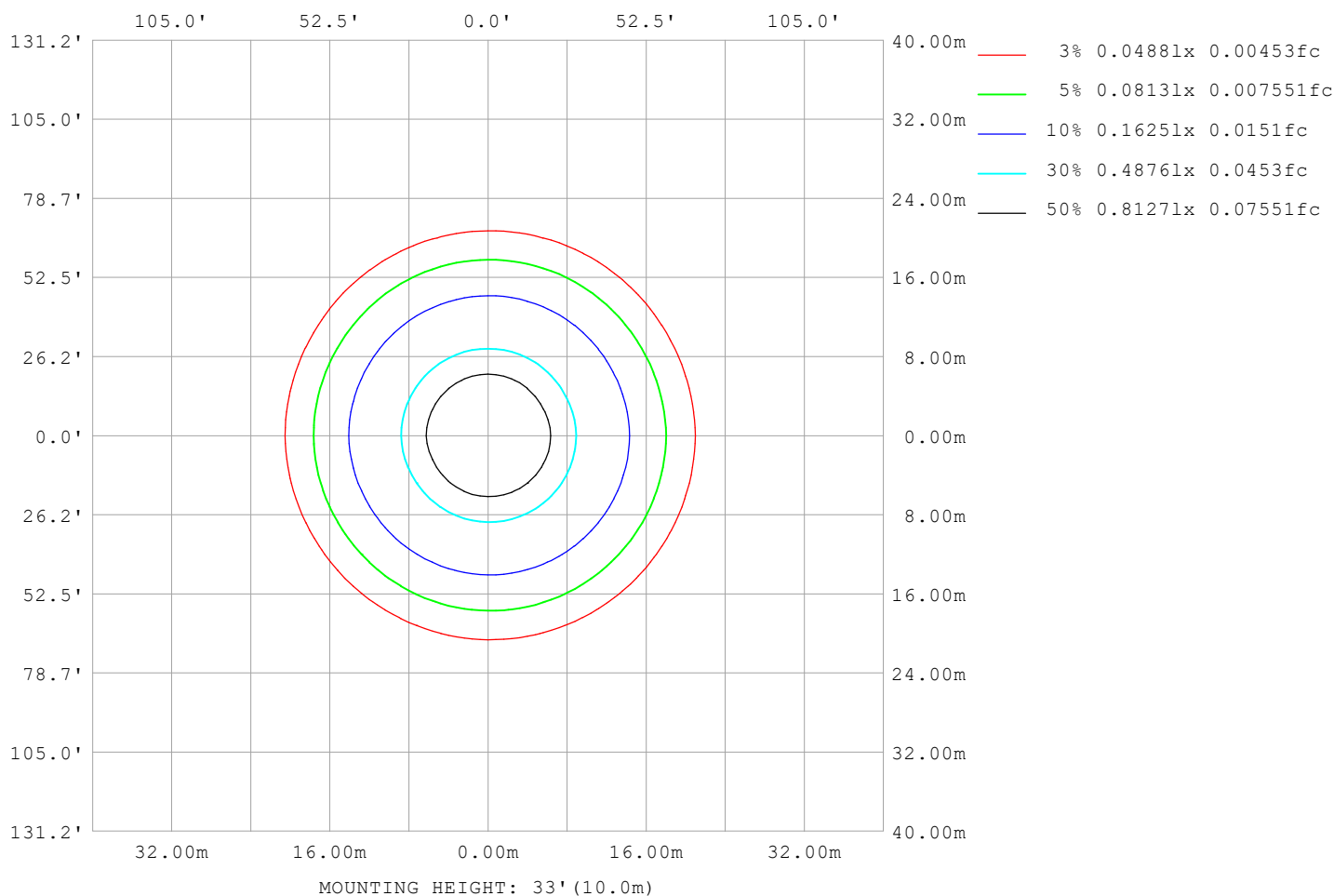
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:WHL
 Test Date:2025-05-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity:65.0%
 Test Distance:6.820m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:23.997V I:0.9129A P:21.907W PF:1.0000 Freq:0Hz Lamp Flux:228.48x1 lm		
NAME: N016084CC4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000×16×16MM	DIM.: 1000×16×16MM	SERIAL No.: 10305-0552-00
MFR.: iPixel LED	SUR.: 1000×16MM	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:23.997V I:0.9129A P:21.907W PF:1.0000 Freq:0Hz Lamp Flux:228.48x1 lm		
NAME: N016084CC4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000×16×16MM	DIM.: 1000×16×16MM	SERIAL No.: 10305-0552-00
MFR.: iPixel LED	SUR.: 1000×16MM	Shielding Angle:

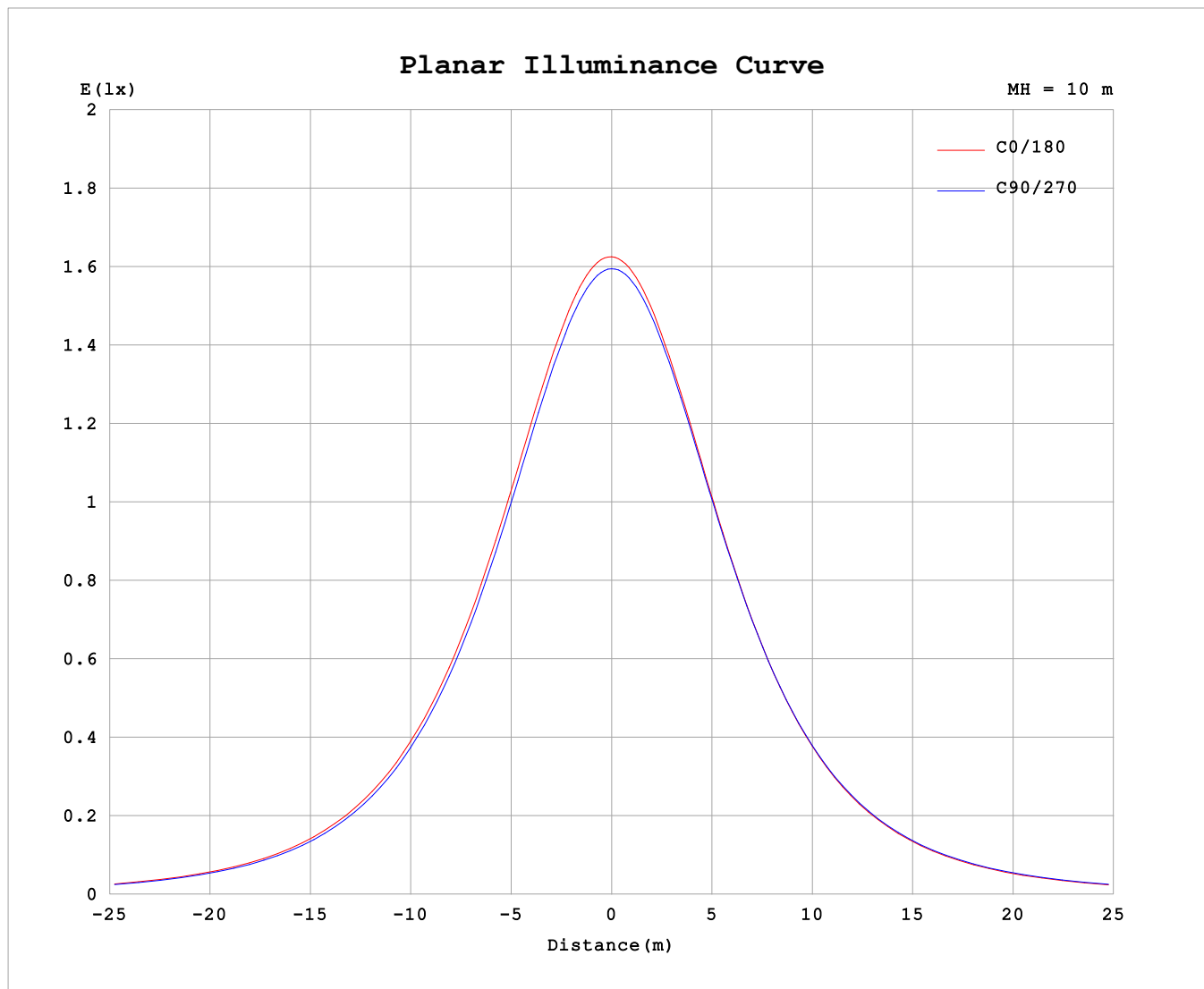
AvgL	cd/m2
L_0~180 (65) av	8364
L_0~180 (75) av	7084
L_0~180 (85) av	6244
L_90~270 (65) av	8429
L_90~270 (75) av	7246
L_90~270 (85) av	5774
L_45 (65) av	8386
L_45 (75) av	7151
L_45 (85) av	5788

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: WHL
Test Date: 2025-05-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.997V I:0.9129A P:21.907W PF:1.0000 Freq:0Hz Lamp Flux:228.48x1 lm		
NAME: N016084CC4ST Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000×16×16MM	DIM.: 1000×16×16MM	SERIAL No.: 10305-0552-00
MFR.: iPixel LED	SUR.: 1000×16MM	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	160	160	160	160	160	160	160	160	160	160	160	160							
5	160	160	159	159	159	159	159	159	159	160	160	160							
10	158	158	157	157	157	157	157	157	157	158	158	158							
15	154	154	154	153	153	153	153	153	154	154	155	155							
20	150	150	149	149	148	148	148	148	149	149	150	150							
25	144	144	143	142	142	142	142	142	143	143	144	144							
30	137	137	136	135	134	134	134	135	136	136	137	137							
35	129	128	127	126	126	126	126	126	127	128	129	129							
40	119	119	118	117	116	116	116	116	117	118	119	119							
45	109	108	107	106	105	105	105	106	107	108	109	109							
50	97.5	96.9	96.1	95.0	94.0	93.6	93.5	93.9	95.3	96.3	97.2	97.6							
55	85.3	84.7	83.8	82.9	81.6	81.3	81.1	81.3	82.8	84.0	85.0	85.4							
60	72.4	71.8	70.9	70.0	68.7	68.3	67.9	68.1	69.7	70.9	72.1	72.5							
65	58.7	58.2	57.5	56.6	55.3	54.7	54.4	54.4	56.0	57.4	58.6	59.0							
70	44.7	44.5	43.7	43.1	41.6	41.1	40.7	40.6	42.1	43.6	44.8	45.3							
75	31.1	31.0	30.3	29.9	28.4	28.0	27.6	27.4	28.6	30.1	31.3	31.8							
80	19.3	18.7	18.0	17.7	16.5	16.4	16.1	15.8	16.3	17.9	18.9	19.6							
85	9.82	9.08	8.13	8.07	7.23	7.72	7.59	7.08	6.91	8.04	8.86	9.83							
90	4.18	3.45	2.72	1.68	2.45	3.03	3.00	2.58	2.25	1.41	3.02	3.91							
95	1.81	1.49	1.46	2.09	1.49	1.51	1.47	1.38	1.34	1.88	1.37	1.68							
100	1.12	1.07	1.33	1.82	1.37	1.20	1.10	1.15	1.32	1.89	1.19	1.06							
105	0.99	1.08	1.32	1.65	1.38	1.21	1.10	1.14	1.36	1.70	1.25	0.98							
110	0.99	1.13	1.35	1.61	1.43	1.28	1.16	1.22	1.42	1.59	1.29	1.02							
115	1.12	1.17	1.39	1.62	1.49	1.37	1.25	1.32	1.47	1.53	1.34	1.06							
120	1.22	1.25	1.42	1.63	1.55	1.47	1.36	1.42	1.54	1.50	1.40	1.20							
125	1.33	1.33	1.43	1.65	1.60	1.56	1.48	1.53	1.61	1.52	1.47	1.34							
130	1.45	1.46	1.47	1.67	1.66	1.65	1.60	1.64	1.69	1.59	1.54	1.43							
135	1.57	1.57	1.54	1.72	1.72	1.74	1.72	1.74	1.77	1.68	1.64	1.55							
140	1.68	1.68	1.63	1.79	1.78	1.83	1.82	1.84	1.86	1.79	1.74	1.65							
145	1.78	1.77	1.75	1.88	1.87	1.91	1.92	1.92	1.96	1.89	1.84	1.77							
150	1.87	1.87	1.86	1.98	1.95	1.97	2.00	2.00	2.04	1.99	1.95	1.87							
155	1.96	1.97	1.99	2.07	2.03	2.05	2.07	2.06	2.13	2.09	2.05	1.97							
160	2.05	2.07	2.08	2.15	2.11	2.14	2.15	2.15	2.22	2.17	2.16	2.08							
165	2.13	2.20	2.17	2.23	2.19	2.23	2.22	2.22	2.29	2.25	2.25	2.17							
170	2.22	2.28	2.25	2.31	2.27	2.31	2.29	2.28	2.35	2.31	2.32	2.25							
175	2.28	2.35	2.32	2.37	2.33	2.36	2.34	2.33	2.37	2.35	2.37	2.32							
180	2.33	2.37	2.36	2.38	2.36	2.37	2.35	2.36	2.37	2.37	2.38	2.36							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:WHL
Test Date:2025-05-12

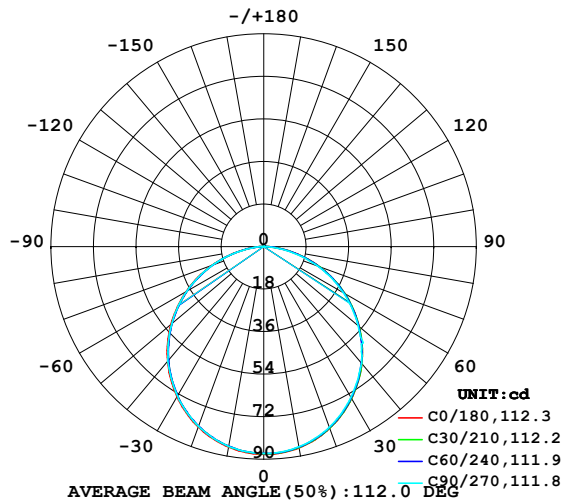
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

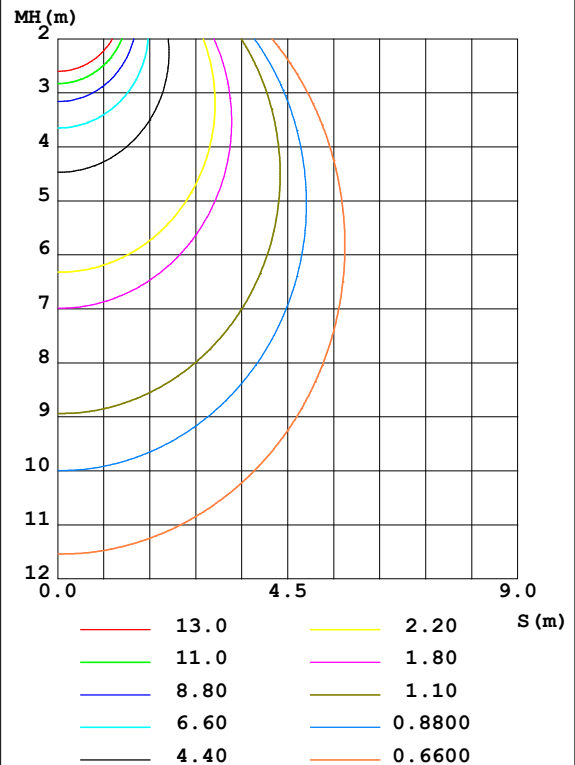
Test:U:24.000V I:0.3600A P:8.6400W PF:1.0000 Freq:0Hz Lamp Flux:249.405x1 lm		
NAME: N016084CC4DC0	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 28.87 lm/W			
MODEL	N016084CC4DC0	I _{max} (cd)	87.88	S/MH (C0/180)	1.24
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.24
RATED VOLTAGE (V)		TOTAL FLUX (lm)	249.41	η UP, DN (C0-180)	0.1, 50.6
NOMINAL FLUX (lm)	249.405	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 49.2
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)		η down (%)	99.8	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: SENGPU
 Test Date: 2022-11-15

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 61%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

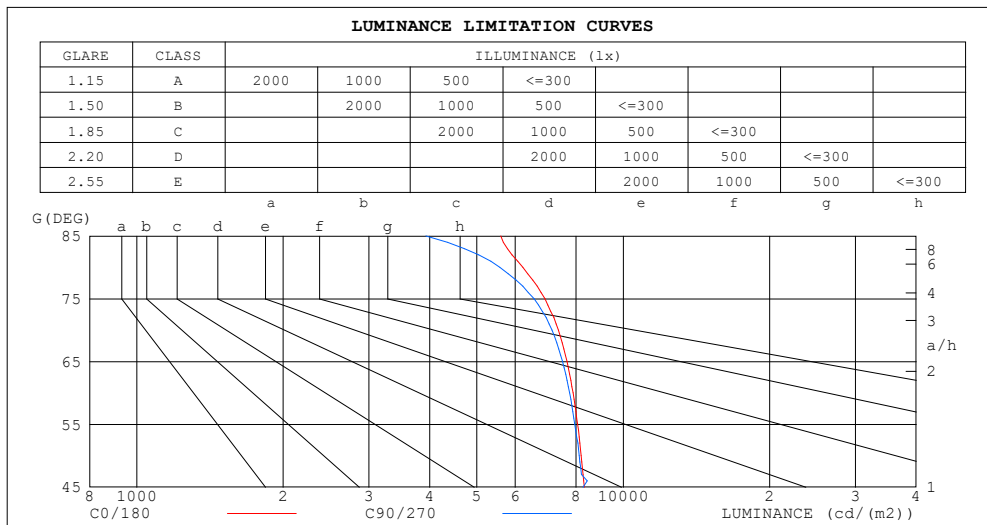
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	86.45	86.32	86.02	85.87	86.11	85.74	85.77	85.89	0- 10	8.283	8.283	3.32,3.32
20	81.80	81.86	81.29	81.15	81.18	80.67	80.85	81.06	10- 20	23.69	31.97	12.8,12.8
30	74.33	74.48	73.76	73.55	73.40	72.76	73.07	73.39	20- 30	35.80	67.77	27.2,27.2
40	64.54	64.64	64.53	63.55	63.22	62.55	63.22	63.43	30- 40	43.04	110.8	44.4,44.4
50	52.71	52.93	52.21	51.71	51.31	50.44	50.87	51.49	40- 50	44.59	155.4	62.3,62.3
60	39.43	39.70	38.79	38.37	37.79	37.04	37.47	38.19	50- 60	40.32	195.7	78.5,78.5
70	25.16	25.40	24.40	23.96	23.28	22.69	23.13	23.79	60- 70	30.86	226.6	90.8,90.8
80	10.80	11.05	9.675	9.755	9.164	8.645	8.703	9.566	70- 80	17.60	244.2	97.9,97.9
90	1.393	1.144	0.1292	0.8055	0.8204	0.7946	0.0604	1.029	80- 90	4.768	248.9	99.8,99.8
100	0.5510	0.5132	0.1208	0.4000	0.3925	0.4604	0.0528	0.5510	90-100	0.4501	249.4	100,100
110	0	0	0	0	0	0	0	0	100-110	0.0185	249.4	100,100
120	0	0	0	0	0	0	0	0	110-120	0	249.4	100,100
130	0	0	0	0	0	0	0	0	120-130	0	249.4	100,100
140	0	0	0	0	0	0	0	0	130-140	0	249.4	100,100
150	0	0	0	0	0	0	0	0	140-150	0	249.4	100,100
160	0	0	0	0	0	0	0	0	150-160	0	249.4	100,100
170	0	0	0	0	0	0	0	0	160-170	0	249.4	100,100
180	0	0	0	0	0	0	0	0	170-180	0	249.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:SENGPU
 Test Date:2022-11-15

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:61%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.000V I:0.3600A P:8.6400W PF:1.0000 Freq:0Hz Lamp Flux:249.405x1 lm		
NAME: N016084CC4DC0	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



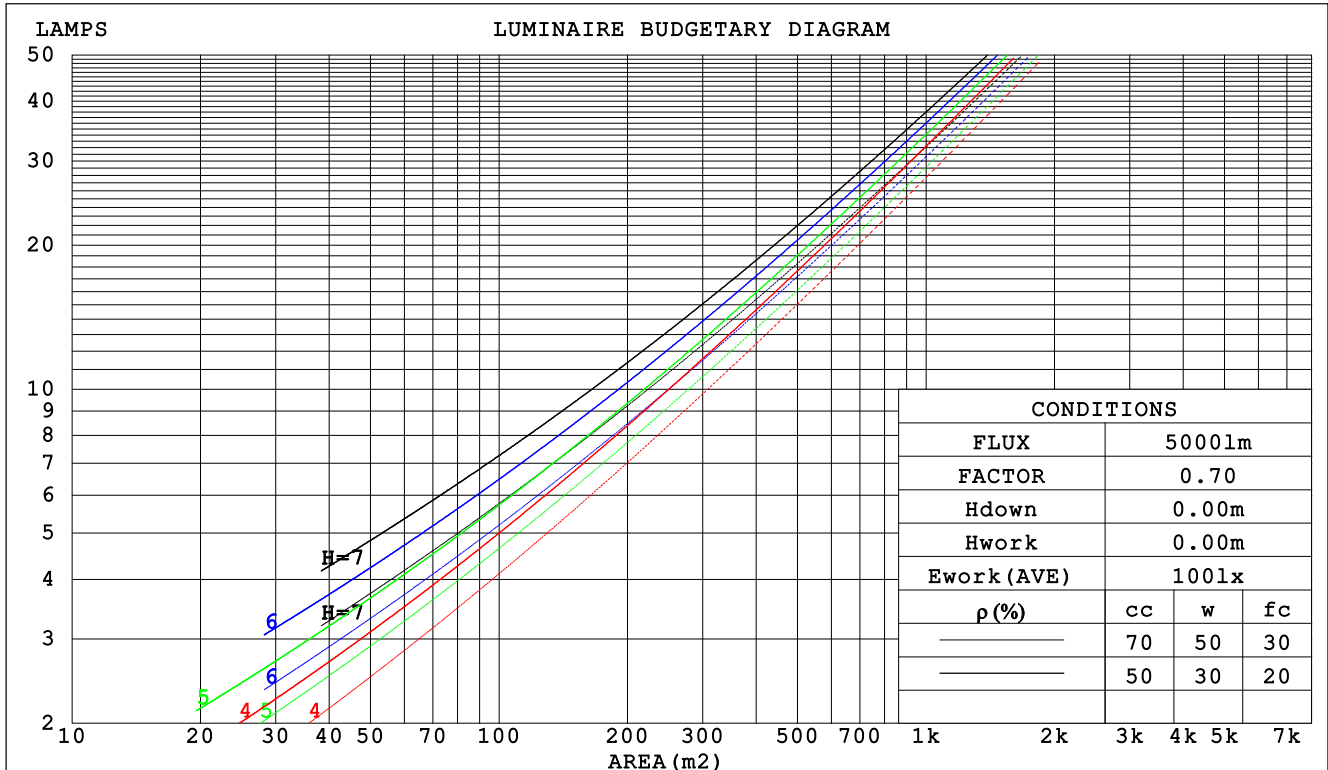
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: SENGPU
Test Date: 2022-11-15

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000 SYSTEM V2.0.402
Humidity: 61%
Test Distance: 8.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.000V I:0.3600A P:8.6400W PF:1.0000 Freq:0Hz Lamp Flux:249.405x1 lm		
NAME: N016084CC4DC0	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.99	.96	1.01	.98	.94	.97	.94	.91	.93	.91	.88	.90	.87	.86	.83
2.0	.90	.83	.78	.88	.82	.77	.85	.80	.75	.82	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.60	.58
4.0	.70	.61	.55	.69	.61	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.59	.52	.46	.57	.51	.46	.55	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.31	.30
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.27
10.0	.39	.32	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: SENGPU
 Test Date: 2022-11-15

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 61%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:24.000V I:0.3600A P:8.6400W PF:1.0000 Freq:0Hz Lamp Flux:249.405x1 lm					
NAME: N016084CC4DC0			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.:			SUR.:		Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.311	.177	.056	.303	.173	.055	.290	.166	.053	.278	.160	.051	.266	.154	.050		
2.0	.292	.160	.049	.286	.157	.049	.274	.152	.047	.263	.148	.046	.253	.143	.045		
3.0	.270	.144	.043	.265	.142	.043	.254	.138	.042	.245	.134	.041	.236	.131	.040		
4.0	.249	.130	.038	.245	.128	.038	.235	.125	.037	.227	.122	.037	.219	.119	.036		
5.0	.231	.117	.034	.226	.116	.034	.218	.113	.033	.210	.111	.033	.203	.109	.033		
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.189	.100	.030		
7.0	.199	.098	.028	.195	.097	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027		
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025		
9.0	.174	.084	.024	.171	.083	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023		
10.0	.164	.078	.022	.161	.078	.022	.156	.077	.022	.152	.075	.021	.148	.074	.021		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.182	.158	.136	.156	.135	.117	.106	.093	.081	.061	.054	.047	.020	.017	.015	
2.0	.174	.133	.099	.149	.115	.086	.102	.079	.060	.059	.046	.035	.019	.015	.011	
3.0	.166	.116	.076	.142	.100	.066	.098	.069	.046	.056	.041	.027	.018	.013	.009	
4.0	.158	.102	.060	.136	.089	.052	.093	.062	.037	.054	.036	.022	.017	.012	.007	
5.0	.151	.092	.049	.130	.080	.042	.089	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.144	.084	.041	.124	.072	.035	.085	.051	.025	.049	.030	.015	.016	.010	.005	
7.0	.137	.077	.035	.118	.067	.030	.081	.047	.021	.047	.027	.013	.015	.009	.004	
8.0	.130	.071	.030	.112	.062	.026	.078	.043	.019	.045	.026	.011	.015	.008	.004	
9.0	.124	.066	.027	.107	.057	.023	.074	.040	.017	.043	.024	.010	.014	.008	.003	
10.0	.119	.062	.024	.102	.054	.021	.071	.038	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: SENGPU
 Test Date: 2022-11-15

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 61%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.000V I:0.3600A P:8.6400W PF:1.0000 Freq:0Hz Lamp Flux:249.405x1 lm											
NAME: N016084CC4DC0					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.:					SUR.:			Shielding Angle:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H	2H	20.2	21.8	20.5	22.0	22.2	20.2	21.7	20.4	21.9	22.1
	3H	21.8	23.2	22.1	23.5	23.7	21.7	23.1	22.0	23.4	23.6
	4H	22.5	23.8	22.8	24.1	24.3	22.3	23.7	22.7	23.9	24.2
	6H	22.9	24.2	23.3	24.5	24.8	22.8	24.0	23.1	24.3	24.6
	8H	23.1	24.3	23.4	24.6	24.9	22.9	24.1	23.2	24.4	24.7
	12H	23.2	24.4	23.5	24.7	25.0	22.9	24.1	23.3	24.4	24.7
4H	2H	20.9	22.2	21.2	22.5	22.7	20.8	22.2	21.1	22.4	22.7
	3H	22.7	23.8	23.0	24.1	24.4	22.6	23.7	22.9	24.0	24.3
	4H	23.4	24.5	23.8	24.8	25.2	23.3	24.4	23.7	24.7	25.0
	6H	24.0	25.0	24.4	25.3	25.7	23.9	24.8	24.3	25.2	25.5
	8H	24.2	25.1	24.6	25.5	25.9	24.0	24.9	24.4	25.3	25.7
	12H	24.4	25.2	24.8	25.6	26.0	24.1	24.9	24.5	25.3	25.7
8H	4H	23.7	24.6	24.1	25.0	25.4	23.6	24.5	24.0	24.9	25.3
	6H	24.5	25.2	24.9	25.6	26.0	24.3	25.0	24.8	25.5	25.9
	8H	24.8	25.4	25.2	25.8	26.3	24.6	25.2	25.0	25.6	26.1
	12H	25.0	25.6	25.5	26.0	26.5	24.7	25.3	25.2	25.7	26.2
12H	4H	23.7	24.5	24.2	24.9	25.3	23.6	24.4	24.1	24.8	25.2
	6H	24.5	25.2	25.0	25.6	26.1	24.4	25.0	24.8	25.5	25.9
	8H	24.9	25.4	25.3	25.9	26.4	24.7	25.2	25.1	25.7	26.2
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					

CIE Pub.117, 249.4 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -4.8$)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: SENGPU
 Test Date: 2022-11-15

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 61%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.000V I:0.3600A P:8.6400W PF:1.0000 Freq:0Hz Lamp Flux:249.405x1 lm		
NAME: N016084CC4DC0	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

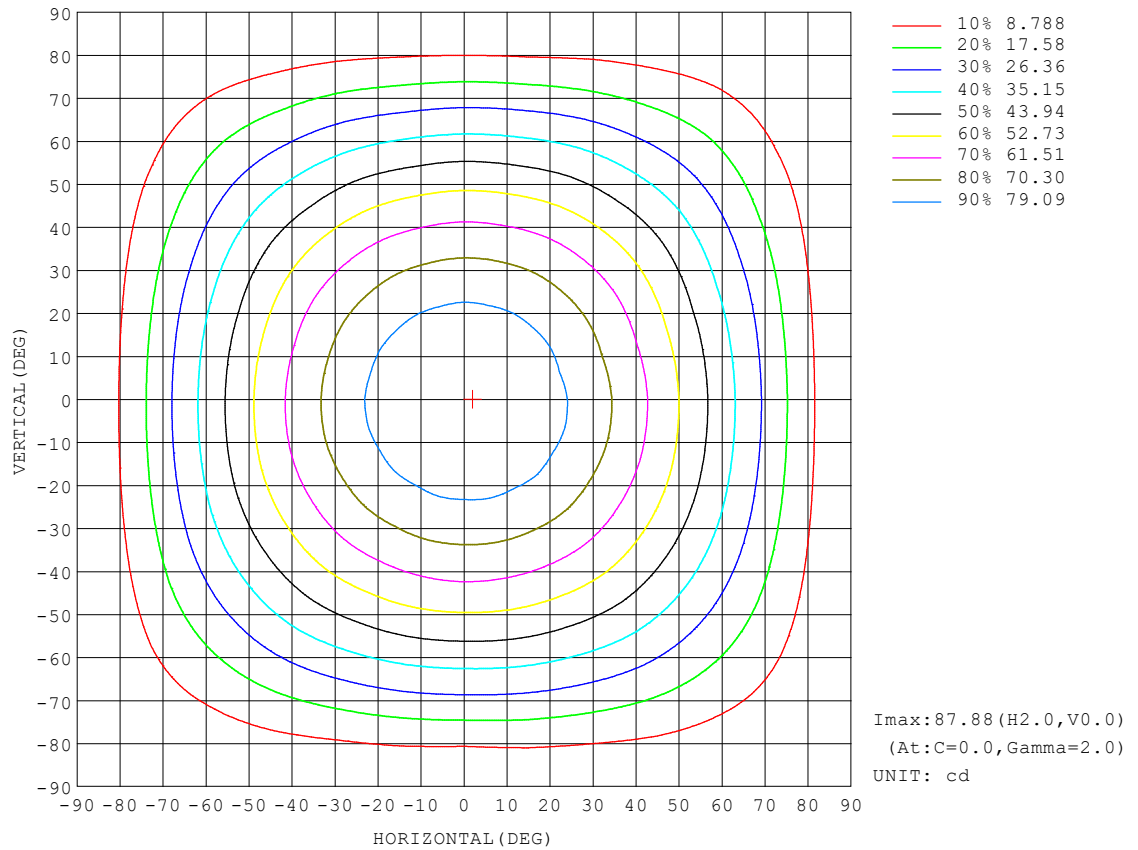
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	57	46	39	55	45	39	32
0.80	67	56	48	66	55	48	65	55	48	41
1.00	76	65	57	75	64	57	72	66	57	49
1.25	83	72	65	81	72	65	79	70	64	57
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	86	78
4.00	106	100	96	104	99	94	99	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: SENGPU
 Test Date: 2022-11-15

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 61%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:24.000V I:0.3600A P:8.6400W PF:1.0000 Freq:0Hz Lamp Flux:249.405x1 lm		
NAME: N016084CC4DC0	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

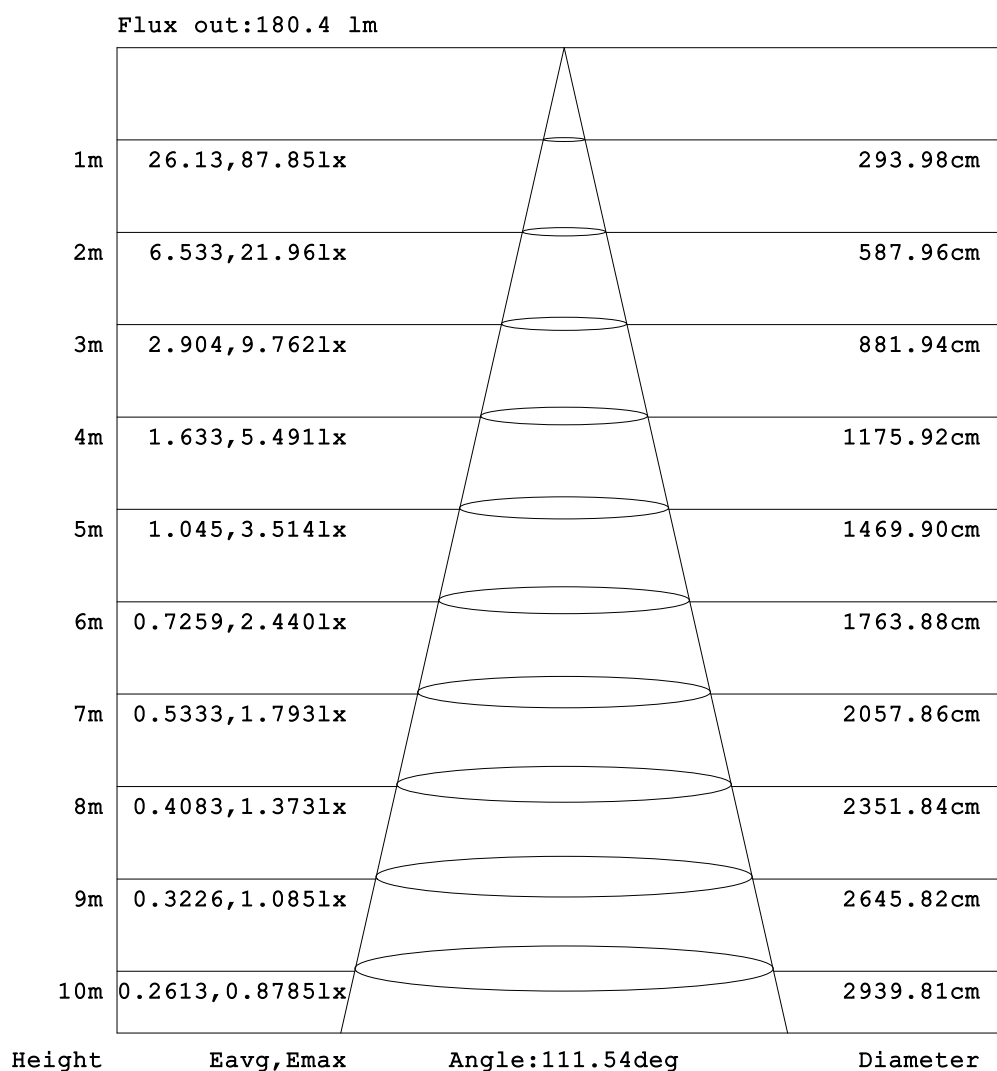


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: SENGPU
Test Date: 2022-11-15

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000 SYSTEM V2.0.402
Humidity: 61%
Test Distance: 8.000m [K=1.0000]
Remarks:

AAI Figure

Test:U:24.000V I:0.3600A P:8.6400W PF:1.0000 Freq:0Hz Lamp Flux:249.405x1 lm		
NAME: N016084CC4DC0	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



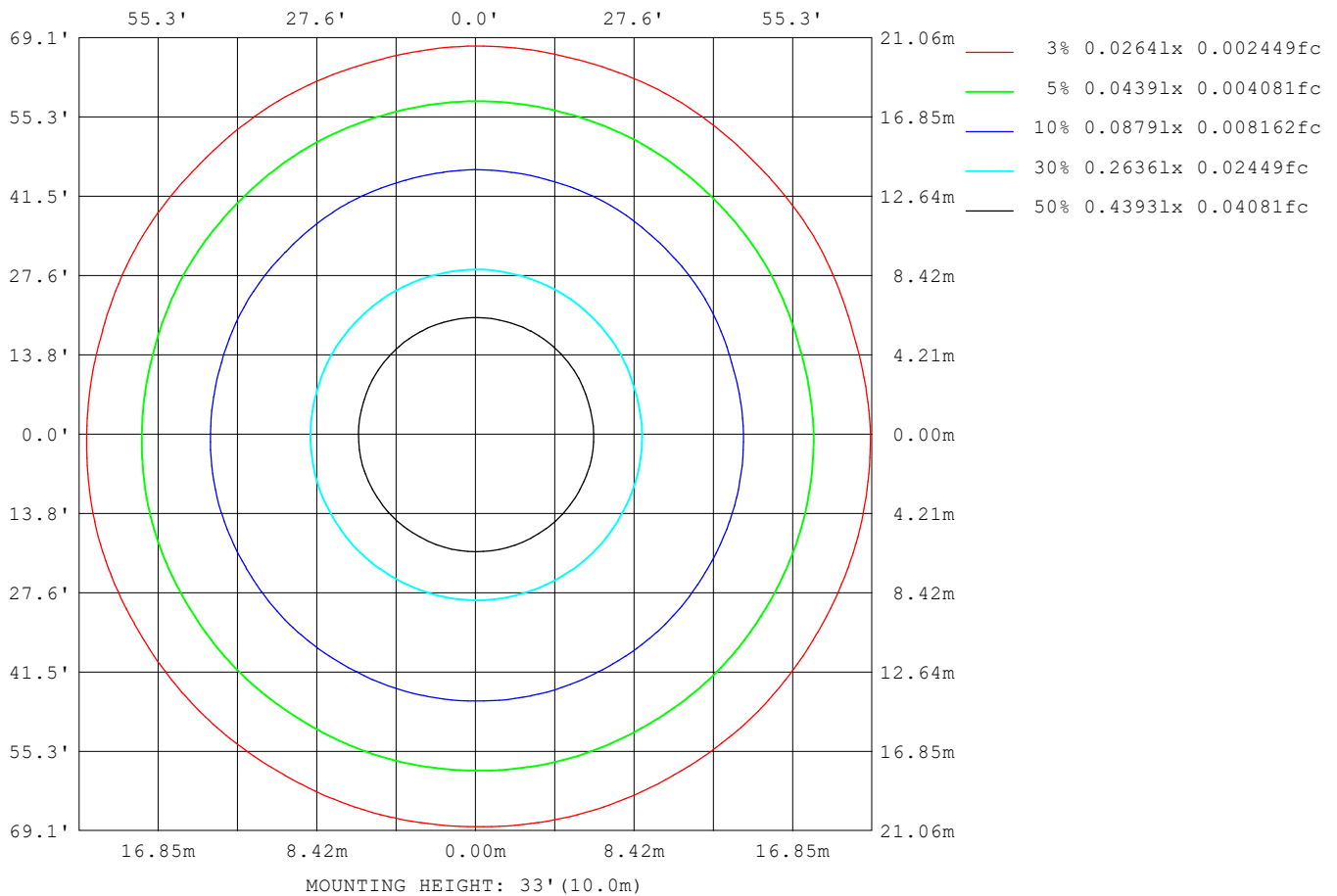
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:SENGPU
 Test Date:2022-11-15

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:61%
 Test Distance:8.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:24.000V I:0.3600A P:8.6400W PF:1.0000 Freq:0Hz Lamp Flux:249.405x1 lm		
NAME: N016084CC4DC0	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: SENGPU
 Test Date: 2022-11-15

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 61%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:24.000V I:0.3600A P:8.6400W PF:1.0000 Freq:0Hz Lamp Flux:249.405x1 lm		
NAME: N016084CC4DC0	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

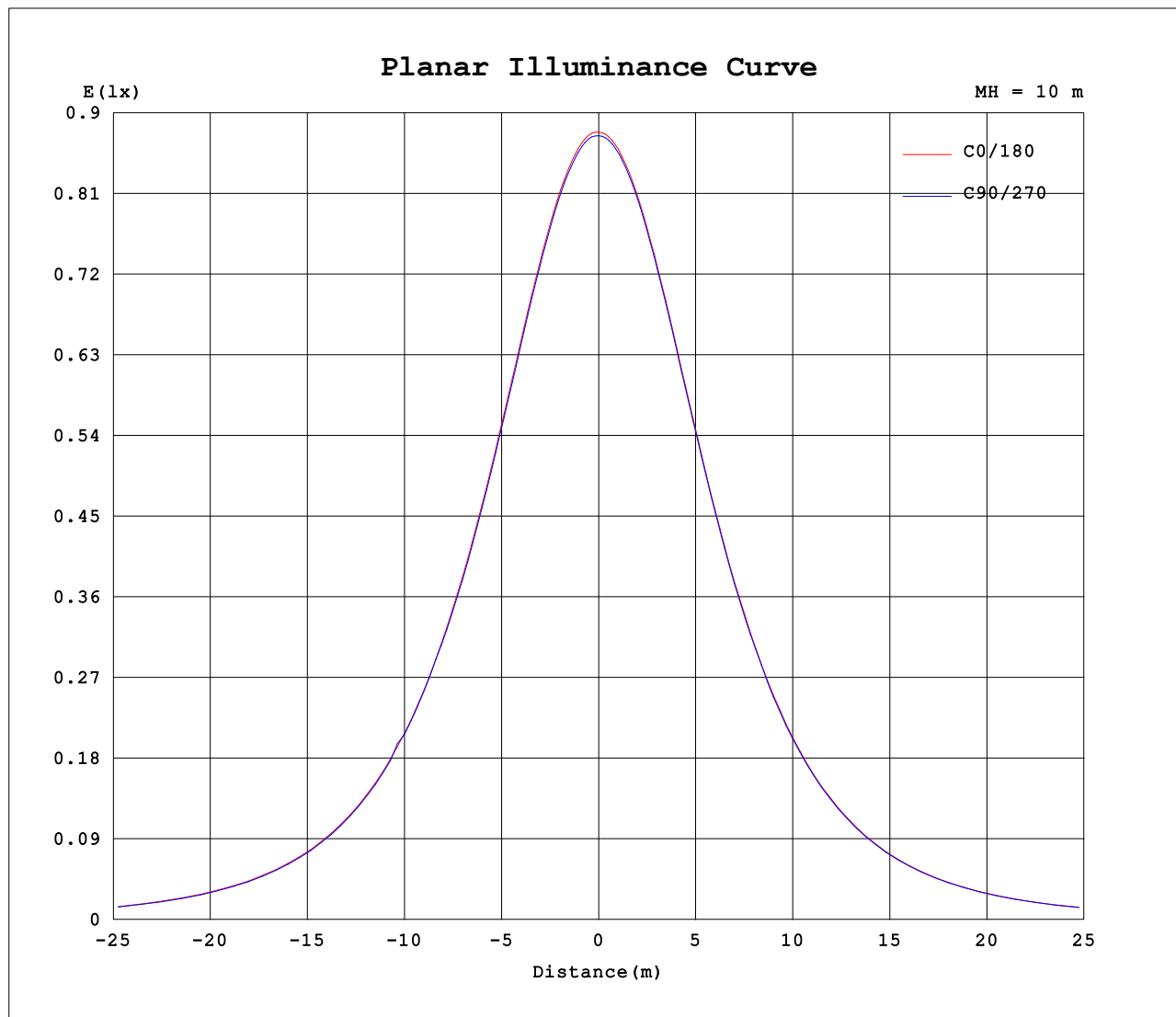
AvgL	cd/m2
L_0~180 (65) av	7453
L_0~180 (75) av	6542
L_0~180 (85) av	4868
L_90~270 (65) av	7346
L_90~270 (75) av	6337
L_90~270 (85) av	3513
L_45 (65) av	7362
L_45 (75) av	6405
L_45 (85) av	4665

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENGPU
Test Date:2022-11-15

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.402
Humidity:61%
Test Distance:8.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: SENGPU
Test Date: 2022-11-15

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000 SYSTEM V2.0.402
Humidity: 61%
Test Distance: 8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.000V I:0.3600A P:8.6400W PF:1.0000 Freq:0Hz Lamp Flux:249.405x1 lm		
NAME: N016084CC4DC0	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	87.9	87.8	87.6	87.6	87.5	87.5	87.5	87.5	87.4	87.5	87.5	87.5	87.9	87.8	87.6	87.6	87.5	87.5	87.5
5	87.6	87.5	87.4	87.4	87.3	87.2	87.2	87.1	87.0	87.1	87.1	87.1	87.4	87.3	87.1	87.1	87.0	87.0	87.0
10	86.4	86.5	86.3	86.3	86.2	86.1	86.0	85.9	85.8	85.9	85.8	85.9	86.1	85.9	85.8	85.7	85.7	85.6	85.8
15	84.5	84.6	84.4	84.5	84.2	84.2	84.0	84.0	83.8	83.9	83.8	83.9	84.0	83.7	83.7	83.6	83.6	83.5	83.7
20	81.8	81.9	81.7	81.9	81.5	81.5	81.3	81.3	81.0	81.1	81.0	81.2	81.2	80.8	80.9	80.7	80.7	80.6	80.9
25	78.4	78.6	78.3	78.5	78.1	78.1	77.8	77.8	77.5	77.7	77.5	77.7	77.6	77.3	77.3	77.0	77.2	77.0	77.3
30	74.3	74.6	74.3	74.5	74.0	74.1	73.8	73.7	73.3	73.6	73.3	73.6	73.4	73.0	73.0	72.8	72.9	72.7	73.1
35	69.7	69.9	69.7	69.8	69.4	69.4	69.1	69.0	68.7	68.8	68.6	68.8	68.6	68.2	68.2	68.0	68.0	67.9	68.2
40	64.5	64.7	64.5	64.6	64.3	64.2	64.5	63.8	63.4	63.6	63.4	63.6	63.2	62.8	62.8	62.6	62.6	62.5	63.2
45	58.8	59.1	58.9	59.0	58.6	58.6	58.4	58.1	57.7	57.8	57.6	57.8	57.5	56.9	57.0	56.7	56.8	56.7	57.1
50	52.7	53.0	52.8	52.9	52.5	52.5	52.2	52.0	51.6	51.7	51.5	51.7	51.3	50.8	50.8	50.4	50.6	50.4	50.9
55	46.2	46.6	46.3	46.5	46.0	46.0	45.6	45.5	45.1	45.2	44.9	45.2	44.7	44.1	44.2	43.7	44.1	43.8	44.3
60	39.4	39.8	39.6	39.7	39.3	39.2	38.8	38.7	38.2	38.4	38.1	38.4	37.8	37.2	37.3	37.0	37.2	37.1	37.5
65	32.4	32.7	32.5	32.7	32.3	32.1	31.7	31.6	31.2	31.3	31.0	31.2	30.6	30.0	30.2	29.7	30.1	29.8	30.4
70	25.2	25.4	25.3	25.4	25.0	24.9	24.4	24.3	23.9	24.0	23.7	23.9	23.3	22.9	22.9	22.7	22.9	22.8	23.1
75	17.9	18.1	18.0	18.1	17.7	17.6	17.0	17.0	16.6	16.6	16.5	16.7	16.0	15.5	15.7	15.3	15.6	15.4	15.8
80	10.8	11.1	10.9	11.1	10.6	10.5	9.68	10.00	9.55	9.76	9.52	9.82	9.16	8.69	8.92	8.64	8.85	8.65	8.70
85	4.88	5.08	4.93	4.94	4.59	4.44	3.42	3.98	3.84	3.98	3.91	4.08	3.61	3.41	3.45	3.28	3.33	3.19	2.70
90	1.39	1.39	1.36	1.14	0.90	0.62	0.13	0.47	0.68	0.81	1.00	1.02	0.82	0.85	0.80	0.79	0.38	0.33	0.06
95	0.57	0.54	0.60	0.51	0.28	0.16	0.11	0.13	0.24	0.40	0.48	0.43	0.39	0.45	0.46	0.53	0.17	0.14	0.06
100	0.55	0.54	0.54	0.51	0.26	0.16	0.12	0.13	0.22	0.40	0.41	0.42	0.39	0.41	0.45	0.46	0.17	0.11	0.05
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENGPU
Test Date:2022-11-15

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.402
Humidity:61%
Test Distance:8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.000V I:0.3600A P:8.6400W PF:1.0000 Freq:0Hz Lamp Flux:249.405x1 lm		
NAME: N016084CC4DC0	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	87.5	87.4	87.5	87.5	87.5														
5	87.0	87.0	87.1	87.1	87.1														
10	85.7	85.8	85.9	86.0	85.9														
15	83.7	83.8	83.9	84.0	83.9														
20	80.8	81.0	81.1	81.3	81.1														
25	77.2	77.5	77.6	77.8	77.7														
30	73.0	73.4	73.4	73.7	73.5														
35	68.3	68.6	68.7	69.0	68.9														
40	62.9	63.3	63.4	63.7	63.6														
45	57.1	57.6	57.7	58.0	57.9														
50	50.9	51.4	51.5	51.9	51.7														
55	44.3	44.9	44.8	45.4	45.1														
60	37.6	38.1	38.2	38.6	38.5														
65	30.3	31.0	30.8	31.5	31.2														
70	23.3	23.6	23.8	24.2	24.1														
75	15.8	16.1	16.3	17.0	16.7														
80	8.65	9.35	9.57	10.1	9.85														
85	3.14	3.93	4.07	4.37	4.18														
90	0.31	0.59	1.03	1.14	1.11														
95	0.14	0.22	0.59	0.57	0.53														
100	0.11	0.21	0.55	0.55	0.52														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:SENGPU
 Test Date:2022-11-15

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:61%
 Test Distance:8.000m [K=1.0000]
 Remarks: