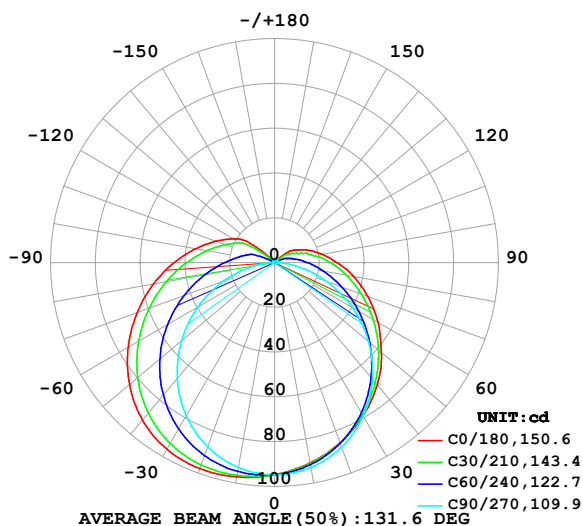


LUMINAIRE PHOTOMETRIC TEST REPORT

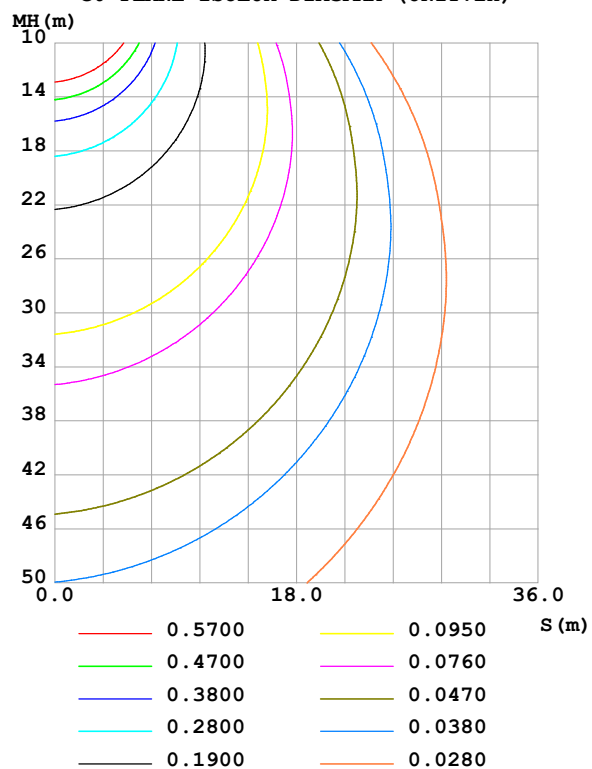
Test:U:23.997V I:0.3907A P:9.3756W PF:1.0000 Freq:0Hz Lamp Flux:404.05x1 lm		
NAME: N006120BC1LZ W	TYPE: LED	WEIGHT:
SPEC.: 6×1000MM	DIM.: 6×1000MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 6×1000MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 43.10 lm/W
MODEL	N006120BC1LZ W	Imax (cd)	97.90	S/MH(C0/180)	1.52	
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.24	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	404.05	η UP,DN(C0-180)	6.4,42.0	
NOMINAL FLUX(lm)	404.05	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	7.4,44.2	
LAMPS INSIDE	1	η up (%)	13.8	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	24	η down (%)	86.2	CIBSE SHR MAX	1.55	

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:LZN
Test Date:2025-04-21

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	90.91	91.43	92.92	95.61	97.17	95.58	92.91	91.43	0- 10	8.984	8.984	2.22,2.22
20	85.63	85.77	87.63	93.90	97.87	93.91	87.53	85.66	10- 20	25.98	34.96	8.65,8.65
30	79.02	77.96	79.16	89.56	96.25	89.53	78.96	77.77	20- 30	40.12	75.08	18.6,18.6
40	71.34	68.50	68.01	82.64	91.82	82.56	67.66	68.19	30- 40	49.88	125.0	30.9,30.9
50	62.24	58.00	54.76	73.44	84.65	73.39	54.25	57.54	40- 50	54.30	179.3	44.4,44.4
60	53.29	47.10	40.10	62.72	75.53	62.63	39.48	46.03	50- 60	53.27	232.5	57.5,57.5
70	44.32	36.59	24.86	51.33	65.31	51.26	24.21	34.41	60- 70	47.58	280.1	69.3,69.3
80	35.82	27.31	10.73	40.38	54.87	40.38	10.09	25.50	70- 80	38.82	318.9	78.9,78.9
90	27.83	19.87	1.666	30.81	44.88	30.82	0.8936	17.81	80- 90	29.40	348.3	86.2,86.2
100	21.56	13.32	1.293	23.19	35.90	23.25	0.8463	13.41	90-100	21.76	370.1	91.6,91.6
110	16.23	9.170	1.239	17.09	28.05	17.25	0.9291	8.696	100-110	15.72	385.8	95.5,95.5
120	11.42	4.684	1.224	9.390	21.28	9.359	1.016	4.818	110-120	9.750	395.6	97.9,97.9
130	6.074	2.158	1.224	2.663	10.74	2.873	1.102	1.936	120-130	5.171	400.7	99.2,99.2
140	1.328	1.271	1.225	1.115	1.130	1.174	1.206	1.345	130-140	1.375	402.1	99.5,99.5
150	1.367	1.320	1.282	1.194	1.224	1.259	1.296	1.399	140-150	0.7880	402.9	99.7,99.7
160	1.425	1.394	1.358	1.313	1.306	1.345	1.383	1.455	150-160	0.6163	403.5	99.9,99.9
170	1.475	1.458	1.459	1.424	1.396	1.433	1.455	1.494	160-170	0.3993	403.9	100,100
180	1.483	1.489	1.498	1.500	1.454	1.489	1.491	1.500	170-180	0.1402	404.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 151.91 lm

%lum = 37.6%

%lamp = 37.6%

Conical surface Flux(130deg): 257.26 lm

%lum = 63.7%

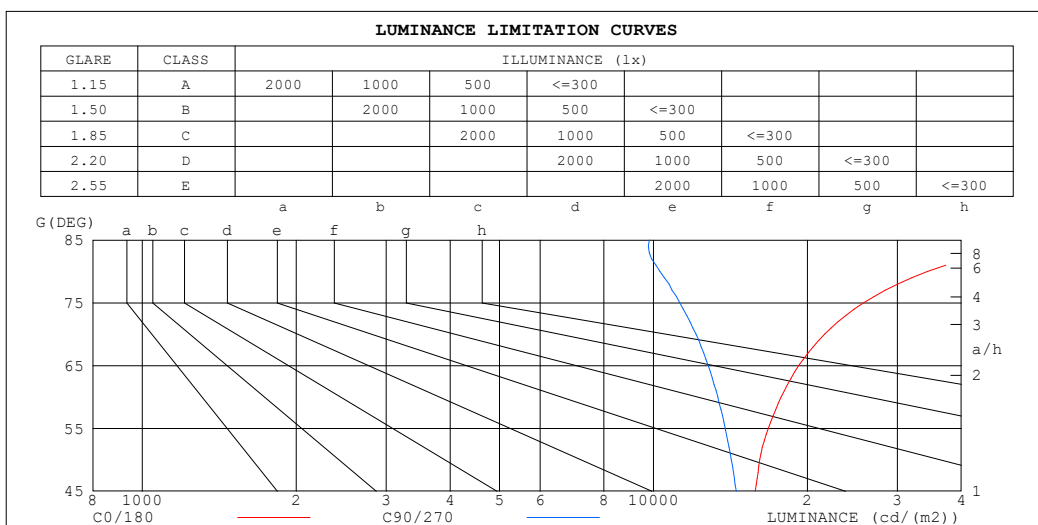
%lamp = 63.7%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-04-21

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:0.3907A P:9.3756W PF:1.0000 Freq:0Hz Lamp Flux:404.05x1 lm		
NAME: N006120BC1LZ W	TYPE: LED	WEIGHT:
SPEC.: 6×1000MM	DIM.: 6×1000MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 6×1000MM	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	60930	9809
80	34406	10292
75	25772	11253
70	21613	12113
65	19244	12787
60	17775	13363
55	16783	13815
50	16149	14195
45	15826	14520

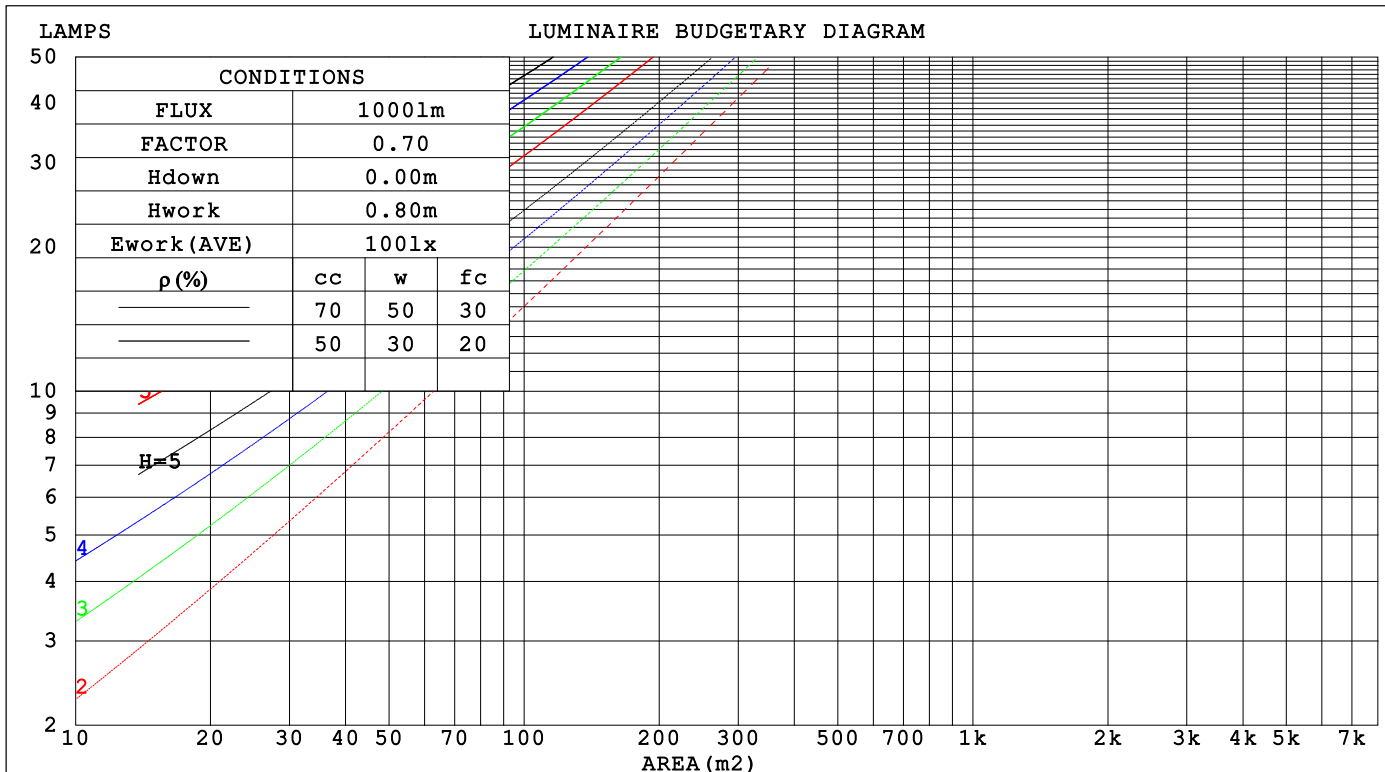
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-04-21

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:0.3907A P:9.3756W PF:1.0000 Freq:0Hz		
Lamp Flux:404.05x1 lm		
NAME: N006120BC1LZ W	TYPE: LED	WEIGHT:
SPEC.: 6x1000MM	DIM.: 6x1000MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 6x1000MM	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0														
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
p _{fc}	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Coefficients of Utilization(CU)														
0.0	1.16	1.16	1.16	1.11	1.11	1.11	1.03	1.03	1.03	.96	.96	.96	.89	.89	.89	.86														
1.0	.97	.91	.87	.93	.88	.84	.86	.82	.79	.80	.77	.74	.74	.72	.69	.66														
2.0	.83	.75	.68	.80	.73	.66	.74	.68	.63	.68	.64	.59	.63	.59	.56	.53														
3.0	.72	.63	.56	.69	.61	.54	.64	.57	.51	.59	.54	.49	.55	.50	.46	.43														
4.0	.63	.54	.46	.61	.52	.45	.57	.49	.43	.52	.46	.41	.49	.43	.39	.36														
5.0	.56	.47	.39	.54	.45	.39	.50	.43	.37	.47	.40	.35	.44	.38	.34	.31														
6.0	.50	.41	.34	.48	.40	.33	.45	.38	.32	.42	.36	.31	.39	.34	.29	.27														
7.0	.45	.36	.30	.44	.35	.29	.41	.34	.28	.38	.32	.27	.36	.30	.26	.23														
8.0	.41	.32	.26	.40	.32	.26	.37	.30	.25	.35	.29	.24	.33	.27	.23	.21														
9.0	.38	.29	.24	.37	.29	.23	.34	.27	.22	.32	.26	.21	.30	.25	.21	.19														
10.0	.35	.27	.21	.34	.26	.21	.32	.25	.20	.30	.24	.19	.28	.23	.19	.17														



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-04-21

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:0.3907A P:9.3756W PF:1.0000 Freq:0Hz		
Lamp Flux:404.05x1 lm		
NAME: N006120BC1LZ W	TYPE: LED	WEIGHT:
SPEC.: 6x1000MM	DIM.: 6x1000MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 6x1000MM	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	.383	.218	.069	.372	.212	.067	.350	.201	.064	.331	.191	.061	.313	.181	.058		
2.0	.333	.183	.056	.323	.178	.055	.304	.169	.052	.286	.160	.050	.269	.152	.048		
3.0	.297	.158	.047	.287	.154	.046	.270	.146	.044	.254	.139	.043	.239	.132	.041		
4.0	.267	.139	.041	.259	.136	.040	.243	.129	.039	.229	.123	.037	.215	.117	.036		
5.0	.243	.124	.036	.236	.121	.035	.221	.115	.034	.208	.110	.033	.196	.105	.031		
6.0	.223	.112	.032	.216	.109	.031	.203	.104	.030	.191	.099	.029	.180	.095	.028		
7.0	.206	.102	.029	.199	.099	.028	.188	.095	.027	.177	.091	.026	.166	.086	.025		
8.0	.191	.093	.026	.185	.091	.026	.174	.087	.025	.164	.083	.024	.155	.079	.023		
9.0	.178	.086	.024	.173	.084	.024	.163	.080	.023	.153	.077	.022	.145	.073	.021		
10.0	.166	.080	.022	.162	.078	.022	.153	.075	.021	.144	.071	.020	.136	.068	.020		

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	.296	.296	.296	.253	.253	.253	.172	.172	.172	.099	.099	.099	.032	.032	.032		
1.0	.291	.261	.234	.249	.224	.202	.171	.154	.140	.098	.089	.081	.031	.029	.026		
2.0	.284	.238	.200	.244	.205	.173	.167	.142	.120	.096	.083	.071	.031	.027	.023		
3.0	.277	.222	.178	.237	.191	.154	.163	.133	.108	.094	.078	.064	.030	.025	.021		
4.0	.269	.209	.163	.231	.181	.142	.159	.126	.100	.092	.074	.059	.030	.024	.019		
5.0	.261	.199	.153	.224	.172	.133	.155	.120	.094	.090	.071	.056	.029	.023	.018		
6.0	.254	.191	.146	.218	.166	.127	.150	.116	.090	.087	.068	.054	.028	.022	.018		
7.0	.247	.184	.141	.212	.160	.123	.147	.112	.087	.085	.066	.052	.028	.022	.017		
8.0	.240	.179	.137	.207	.155	.119	.143	.109	.085	.083	.064	.050	.027	.021	.017		
9.0	.234	.174	.134	.201	.151	.117	.139	.106	.083	.081	.063	.049	.026	.021	.016		
10.0	.228	.170	.131	.196	.147	.115	.136	.104	.081	.079	.061	.049	.026	.020	.016		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-04-21

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:0.3907A P:9.3756W PF:1.0000 Freq:0Hz Lamp Flux:404.05x1 lm										
NAME: N006120BC1LZ W					TYPE: LED			WEIGHT:		
SPEC.: 6x1000MMM					DIM.: 6x1000MMM			SERIAL No.:		
MFR.: iPixel LED					SUR.: 6x1000MMM			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	24.8	26.2	25.2	26.6	27.1	23.6	25.0	24.1	25.5	26.0
3H	27.2	28.5	27.6	29.0	29.5	25.2	26.5	25.7	27.0	27.5
4H	28.5	29.7	29.0	30.2	30.8	25.9	27.1	26.4	27.6	28.2
6H	29.9	31.1	30.5	31.6	32.2	26.4	27.5	26.9	28.1	28.6
8H	30.7	31.9	31.3	32.4	33.0	26.5	27.7	27.1	28.2	28.8
12H	31.7	32.8	32.2	33.3	33.9	26.7	27.8	27.2	28.3	28.9
4H 2H	25.3	26.6	25.9	27.1	27.6	24.5	25.7	25.0	26.2	26.8
3H	28.0	29.1	28.5	29.6	30.2	26.3	27.4	26.9	28.0	28.6
4H	29.5	30.5	30.1	31.1	31.7	27.2	28.2	27.7	28.8	29.4
6H	31.2	32.1	31.8	32.7	33.3	27.9	28.8	28.5	29.4	30.1
8H	32.1	32.9	32.7	33.5	34.2	28.2	29.0	28.8	29.6	30.3
12H	33.2	33.9	33.8	34.6	35.3	28.4	29.2	29.0	29.8	30.5
8H 4H	29.9	30.7	30.5	31.3	32.0	28.0	28.8	28.6	29.4	30.1
6H	31.8	32.6	32.5	33.2	33.9	29.0	29.8	29.7	30.4	31.1
8H	33.0	33.6	33.6	34.3	35.0	29.5	30.2	30.2	30.8	31.6
12H	34.3	34.9	35.0	35.5	36.3	30.0	30.5	30.6	31.2	32.0
12H 4H	29.9	30.7	30.5	31.3	32.0	28.2	29.0	28.8	29.6	30.3
6H	32.0	32.6	32.6	33.3	34.0	29.5	30.1	30.1	30.8	31.5
8H	33.2	33.8	33.9	34.5	35.2	30.1	30.7	30.8	31.4	32.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 404.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.1)
Area: 0.006 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-04-21

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:0.3907A P:9.3756W PF:1.0000 Freq:0Hz Lamp Flux:404.05x1 lm		
NAME: N006120BC1LZ W	TYPE: LED	WEIGHT:
SPEC.: 6x1000MMM	DIM.: 6x1000MMM	SERIAL No.:
MFR.: iPixel LED	SUR.: 6x1000MMM	Shielding Angle:

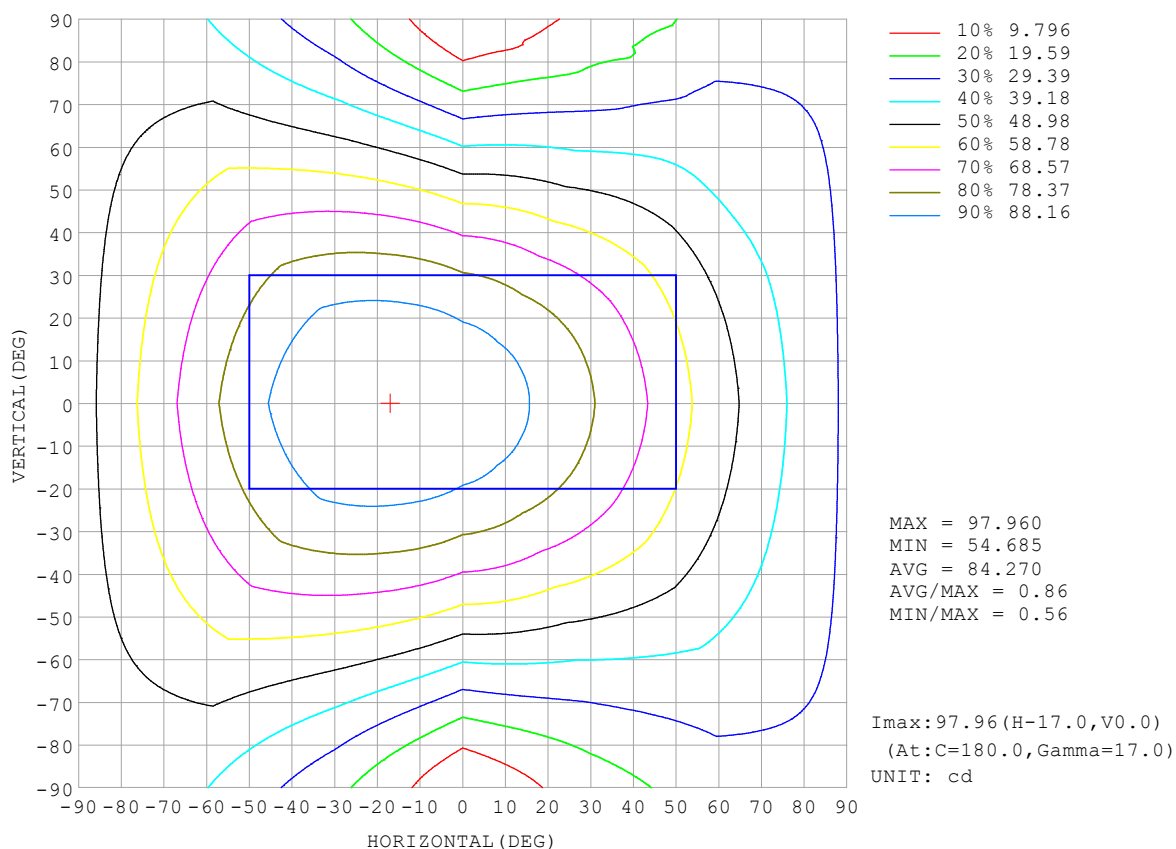
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	49	37	29	48	36	29	47	36	29	22
0.80	58	45	37	57	45	37	55	44	36	29
1.00	66	53	45	64	52	45	61	53	44	35
1.25	73	61	52	71	59	51	67	57	50	41
1.50	78	66	58	76	65	57	71	62	55	45
2.00	85	75	66	83	73	65	78	69	63	52
2.50	90	80	72	87	78	71	81	74	68	56
3.00	94	84	77	90	82	75	84	78	72	60
4.00	98	90	84	95	88	82	88	83	78	65
5.00	101	94	89	98	91	86	91	86	81	68
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: LZN
Test Date: 2025-04-21

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:0.3907A P:9.3756W PF:1.0000 Freq:0Hz Lamp Flux:404.05x1 lm		
NAME: N006120BC1LZ W	TYPE: LED	WEIGHT:
SPEC.: 6x1000MM	DIM.: 6x1000MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 6x1000MM	Shielding Angle:

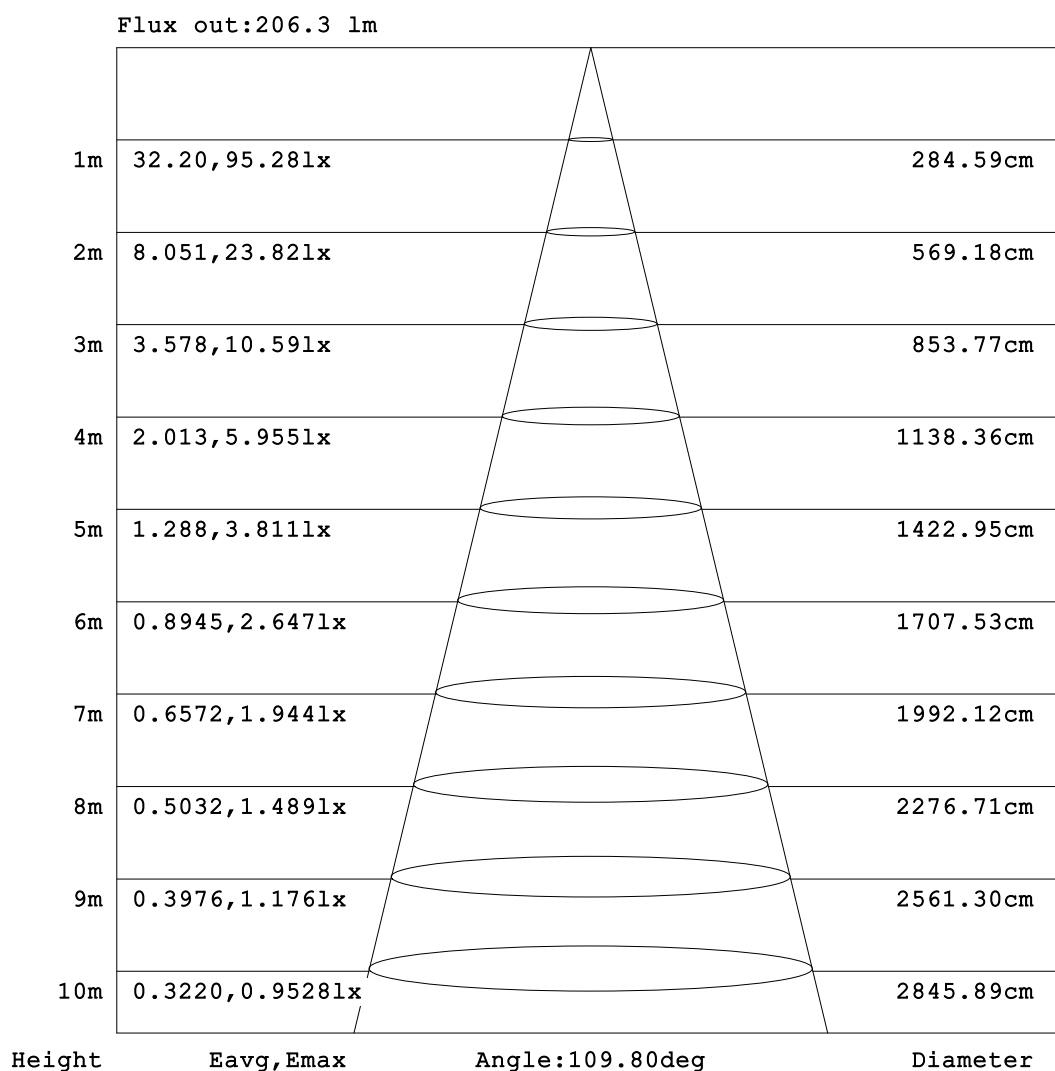


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LZN
Test Date: 2025-04-21

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:0.3907A P:9.3756W PF:1.0000 Freq:0Hz Lamp Flux:404.05x1 lm		
NAME: N006120BC1LZ W	TYPE: LED	WEIGHT:
SPEC.: 6x1000MM	DIM.: 6x1000MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 6x1000MM	Shielding Angle:



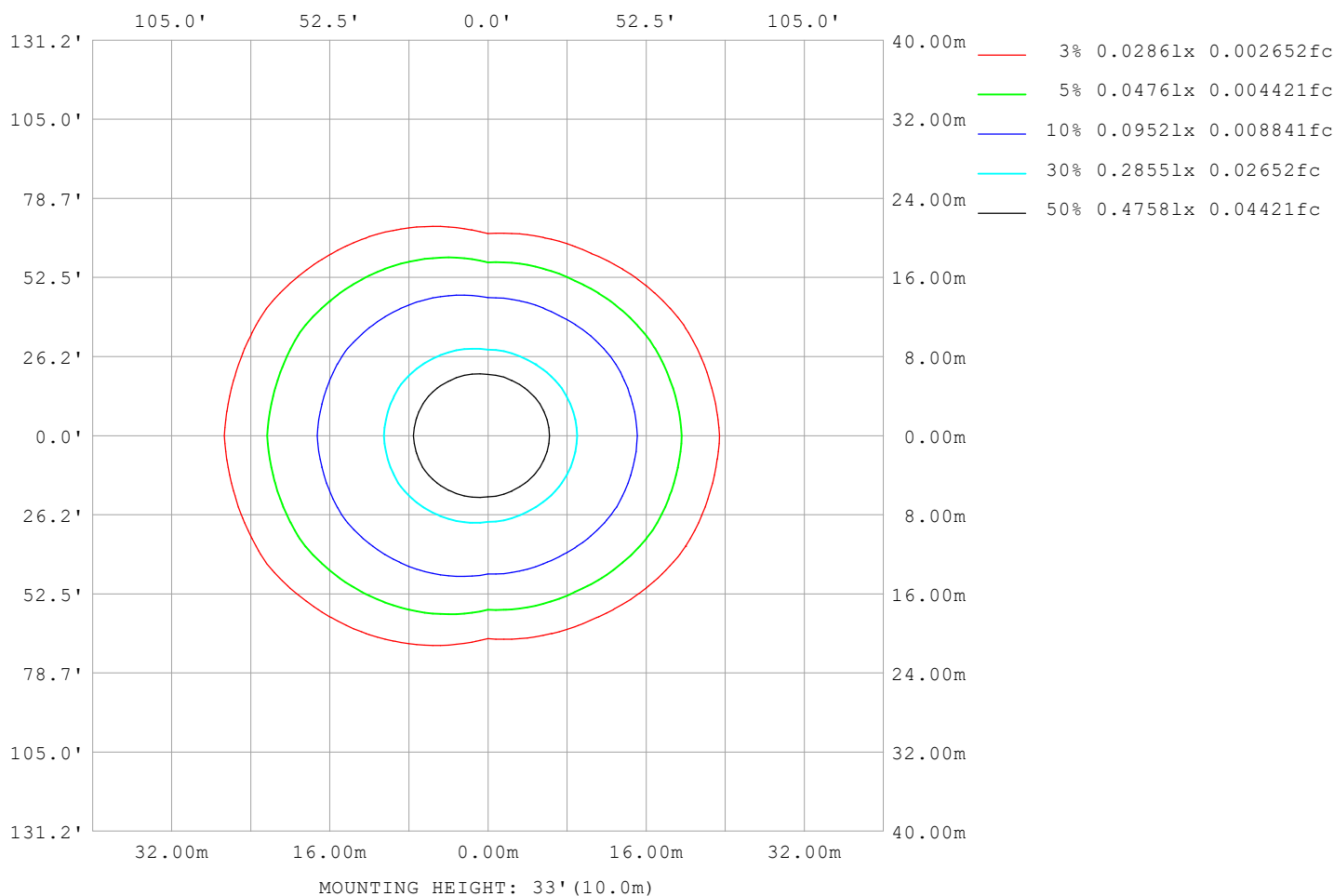
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:LZN
 Test Date:2025-04-21

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:0.3907A P:9.3756W PF:1.0000 Freq:0Hz Lamp Flux:404.05x1 lm		
NAME: N006120BC1LZ W	TYPE: LED	WEIGHT:
SPEC.: 6x1000MM	DIM.: 6x1000MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 6x1000MM	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-04-21

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:0.3907A P:9.3756W PF:1.0000 Freq:0Hz Lamp Flux:404.05x1 lm		
NAME: N006120BC1LZ W	TYPE: LED	WEIGHT:
SPEC.: 6×1000MM	DIM.: 6×1000MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 6×1000MM	Shielding Angle:

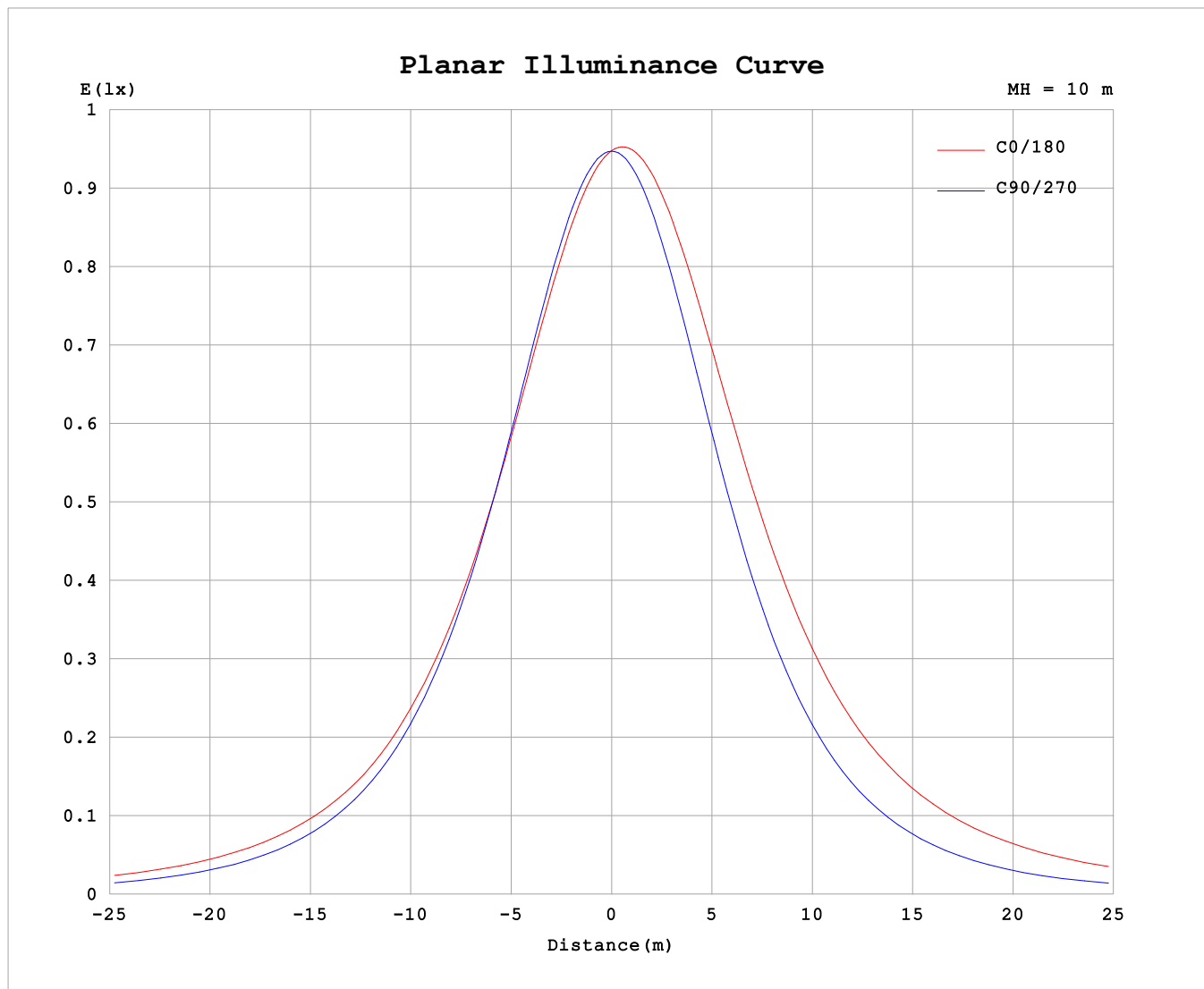
AvgL	cd/m2
L_0~180 (65) av	23517
L_0~180 (75) av	32221
L_0~180 (85) av	78041
L_90~270 (65) av	12670
L_90~270 (75) av	11049
L_90~270 (85) av	9232
L_45 (65) av	19522
L_45 (75) av	25055
L_45 (85) av	56774

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-04-21

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: LZN
Test Date: 2025-04-21

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:0.3907A P:9.3756W PF:1.0000 Freq:0Hz		
Lamp Flux:404.05x1 lm		
NAME: N006120BC1LZ W	TYPE: LED	WEIGHT:
SPEC.: 6×1000MM	DIM.: 6×1000MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 6×1000MM	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7						
5	93.0	93.2	93.6	94.3	95.1	95.8	96.1	95.8	95.1	94.3	93.6	93.2						
10	90.9	91.2	91.7	92.9	94.8	96.4	97.2	96.5	94.7	92.9	91.7	91.2						
15	88.5	88.7	89.1	90.7	93.6	96.5	97.8	96.6	93.6	90.6	89.1	88.6						
20	85.6	85.7	85.8	87.6	91.7	96.0	97.9	96.1	91.7	87.5	85.7	85.6						
25	82.5	82.2	82.0	83.8	89.1	95.0	97.4	95.0	89.1	83.6	81.8	82.1						
30	79.0	78.4	77.5	79.2	85.9	93.3	96.2	93.3	85.8	79.0	77.2	78.3						
35	75.3	74.3	72.5	73.9	82.0	90.9	94.4	90.9	81.8	73.6	72.2	74.2						
40	71.3	69.9	67.1	68.0	77.5	87.8	91.8	87.8	77.3	67.7	66.7	69.7						
45	67.1	65.3	61.4	61.6	72.4	84.1	88.5	84.1	72.3	61.2	60.8	65.1						
50	62.2	60.6	55.4	54.8	67.0	79.9	84.7	79.8	66.9	54.3	54.8	60.3						
55	57.7	55.7	49.4	47.6	61.2	75.2	80.3	75.1	61.1	47.0	48.6	55.2						
60	53.3	50.8	43.4	40.1	55.2	70.2	75.5	70.1	55.2	39.5	42.4	49.6						
65	48.8	45.9	37.5	32.4	49.1	65.0	70.5	64.9	49.1	31.8	36.4	44.9						
70	44.3	41.3	31.9	24.9	43.0	59.7	65.3	59.6	43.0	24.2	30.6	38.2						
75	40.0	36.8	26.7	17.5	37.1	54.4	60.1	54.3	37.1	16.8	25.1	35.0						
80	35.8	32.5	22.1	10.7	31.6	49.2	54.9	49.1	31.7	10.1	19.7	31.2						
85	31.8	28.6	18.1	5.13	26.6	44.2	49.8	44.1	26.7	4.53	15.7	27.6						
90	27.8	25.0	14.7	1.67	22.2	39.4	44.9	39.3	22.3	0.89	12.7	22.9						
95	24.7	21.8	12.0	1.35	18.6	34.9	40.3	34.9	18.7	0.84	10.4	21.0						
100	21.6	17.6	9.08	1.29	15.5	30.8	35.9	30.8	15.7	0.85	8.40	18.4						
105	18.7	15.5	7.27	1.27	13.1	27.1	31.8	27.0	13.2	0.89	6.50	15.2						
110	16.2	12.7	5.64	1.24	10.6	23.6	28.0	23.5	11.0	0.93	5.07	12.3						
115	13.7	9.77	3.07	1.22	3.88	20.4	24.5	20.4	4.89	0.98	2.22	10.5						
120	11.4	8.02	1.35	1.22	1.21	17.6	21.3	17.6	1.11	1.02	1.16	8.48						
125	9.53	6.48	1.34	1.22	1.18	11.6	18.2	12.0	1.11	1.06	1.18	6.21						
130	6.07	3.01	1.30	1.22	1.17	4.16	10.7	4.61	1.13	1.10	1.22	2.65						
135	2.59	1.26	1.27	1.22	1.16	1.04	3.47	1.14	1.17	1.16	1.27	1.38						
140	1.33	1.28	1.27	1.22	1.16	1.07	1.13	1.14	1.21	1.21	1.31	1.38						
145	1.33	1.31	1.27	1.25	1.16	1.13	1.17	1.17	1.25	1.26	1.35	1.39						
150	1.37	1.35	1.29	1.28	1.19	1.20	1.22	1.22	1.30	1.30	1.39	1.41						
155	1.40	1.39	1.31	1.33	1.24	1.26	1.28	1.26	1.34	1.34	1.43	1.43						
160	1.42	1.42	1.37	1.36	1.30	1.33	1.31	1.31	1.38	1.38	1.45	1.46						
165	1.45	1.44	1.40	1.41	1.35	1.38	1.34	1.37	1.43	1.42	1.48	1.48						
170	1.48	1.48	1.44	1.46	1.41	1.44	1.40	1.40	1.46	1.45	1.49	1.49						
175	1.49	1.49	1.47	1.49	1.45	1.49	1.45	1.45	1.49	1.48	1.49	1.50						
180	1.48	1.49	1.49	1.50	1.49	1.51	1.45	1.49	1.49	1.49	1.49	1.51						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-04-21

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

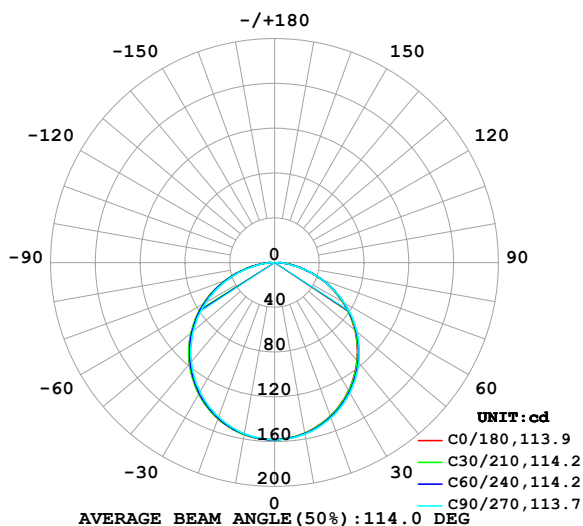
Test:U:23.997V I:0.2703A P:6.4864W PF:1.0000 Freq:0Hz

Lamp Flux:461.43x1 lm

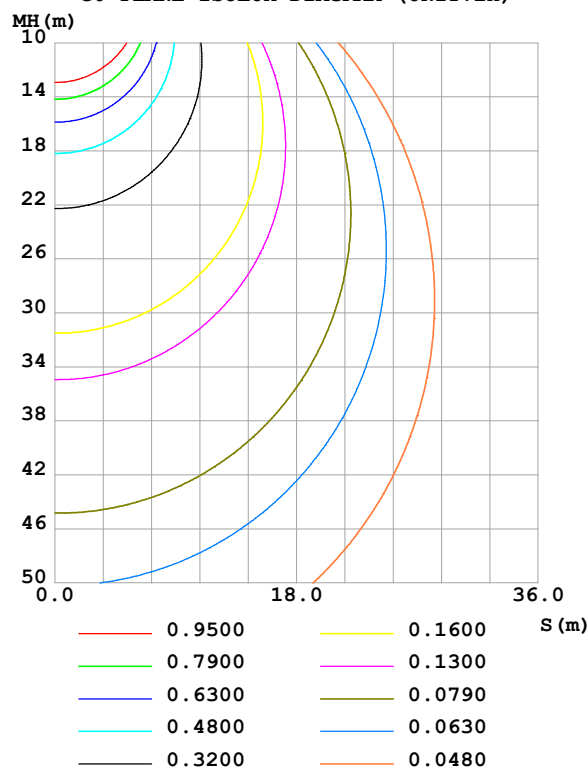
NAME: N008232XC1LZ	TYPE: LED	WEIGHT:
SPEC.: 1M	DIM.: 1M	SERIAL No.:
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 71.14 lm/W
MODEL	N008232XC1LZ	I _{max} (cd)	158.2	S/MH(C0/180)	1.24	
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	1.26	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	461.43	η UP,DN(C0-180)	0.0,50.0	
NOMINAL FLUX(lm)	461.43	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.0	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	η down (%)	100.0	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:CJ
Test Date:2026-05-15

γ Range: 0 - 90DEG
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	156.0	155.9	155.2	154.7	154.7	155.0	155.6	156.0	0- 10	14.97	14.97	3.24,3.24
20	148.3	148.0	146.8	145.9	145.8	146.4	147.5	148.2	10- 20	42.87	57.83	12.5,12.5
30	135.5	135.1	133.5	132.3	132.2	133.1	134.4	135.2	20- 30	65.02	122.9	26.6,26.6
40	118.3	117.8	115.9	114.6	114.5	115.6	116.9	117.8	30- 40	78.61	201.5	43.7,43.7
50	97.25	96.86	94.82	93.51	93.63	94.69	95.89	96.72	40- 50	82.01	283.5	61.4,61.4
60	73.13	72.79	70.81	69.77	70.17	71.02	71.81	71.95	50- 60	74.84	358.3	77.7,77.7
70	46.72	46.43	44.68	44.12	44.89	45.33	45.41	45.44	60- 70	57.93	416.2	90.2,90.2
80	20.91	20.30	18.59	19.19	20.13	19.89	19.15	19.88	70- 80	34.03	450.3	97.6,97.6
90	4.363	3.468	1.172	3.755	4.270	3.553	1.926	3.877	80- 90	11.17	461.4	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 242.7 lm

%lum = 52.6%

%lamp = 52.6%

Conical surface Flux(130deg): 389.92 lm

%lum = 84.5%

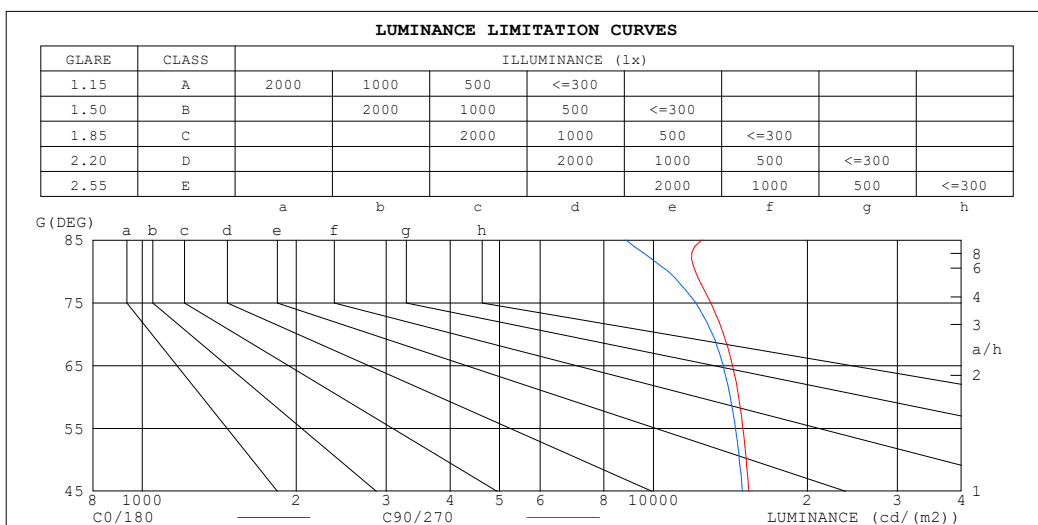
%lamp = 84.5%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:CJ
 Test Date:2026-05-15

γ Range: 0 - 90DEG
 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:0.2703A P:6.4864W PF:1.0000 Freq:0Hz Lamp Flux:461.43x1 lm		
NAME: N008232XC1LZ	TYPE: LED	WEIGHT:
SPEC.: 1M	DIM.: 1M	SERIAL No.:
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	12436	8831
80	12081	10684
75	12940	12092
70	13706	13038
65	14284	13686
60	14677	14137
55	14960	14466
50	15182	14724
45	15357	14932

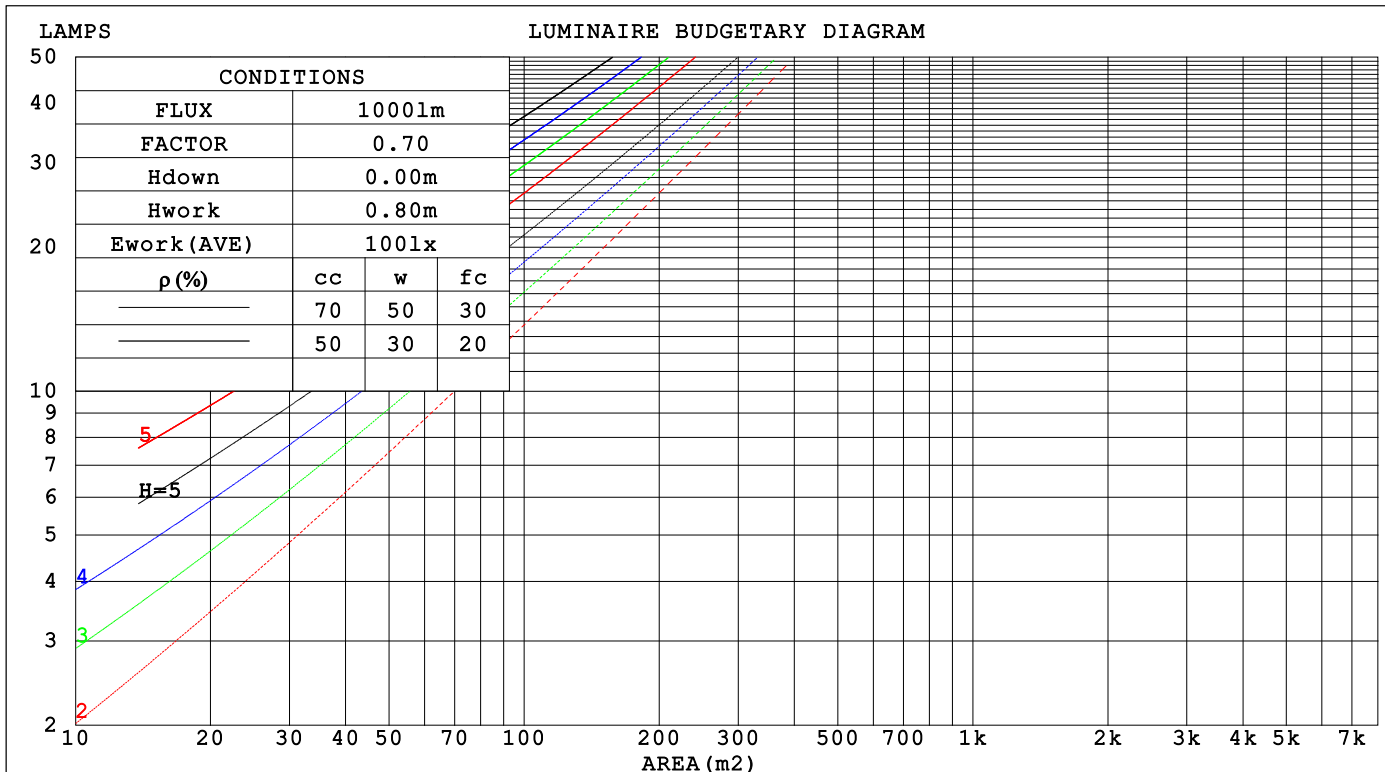
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: CJ
Test Date: 2026-05-15

γ Range: 0 - 90DEG
 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:0.2703A P:6.4864W PF:1.0000 Freq:0Hz Lamp Flux:461.43x1 lm		
NAME: N008232XC1LZ	TYPE: LED	WEIGHT:
SPEC.: 1M	DIM.: 1M	SERIAL No.:
MFR.: iPixel LED	SUR.: 0.01	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	1.19	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	1.00														
1.0	1.03	.99	.95	1.01	.97	.93	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83														
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.77	.73	.78	.74	.71	.69														
3.0	.79	.70	.64	.77	.69	.63	.74	.68	.62	.71	.66	.61	.69	.64	.60	.58														
4.0	.70	.61	.54	.68	.60	.53	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49														
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.46	.57	.50	.45	.55	.49	.44	.42														
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.45	.39	.50	.44	.39	.37														
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33														
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29														
9.0	.42	.34	.28	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.26														
10.0	.39	.31	.26	.39	.31	.26	.38	.30	.26	.37	.30	.25	.36	.30	.25	.24														



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CJ
Test Date:2026-05-15

γ Range: 0 - 90DEG
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:0.2703A P:6.4864W PF:1.0000 Freq:0Hz					
Lamp Flux:461.43x1 lm					
NAME: N008232XC1LZ			TYPE: LED		WEIGHT:
SPEC.: 1M			DIM.: 1M		SERIAL No.:
MFR.: iPixel LED			SUR.: 0.01		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	.318	.181	.057	.311	.177	.056	.298	.171	.055	.285	.165	.053	.274	.159	.051		
2.0	.297	.163	.050	.291	.160	.049	.279	.155	.048	.268	.150	.047	.258	.146	.046		
3.0	.274	.146	.044	.268	.144	.043	.258	.140	.042	.248	.136	.042	.239	.132	.041		
4.0	.252	.131	.039	.247	.129	.038	.238	.126	.038	.229	.123	.037	.221	.120	.037		
5.0	.233	.119	.034	.228	.117	.034	.220	.115	.034	.212	.112	.033	.205	.110	.033		
6.0	.215	.108	.031	.212	.107	.031	.204	.105	.030	.197	.103	.030	.191	.101	.030		
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.179	.093	.027		
8.0	.187	.091	.026	.184	.091	.026	.178	.089	.025	.173	.087	.025	.167	.086	.025		
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.149	.075	.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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020		
1.0	.181	.156	.134	.155	.134	.115	.106	.092	.080	.061	.053	.046	.020	.017	.015		
2.0	.173	.132	.097	.148	.114	.084	.102	.079	.059	.059	.046	.034	.019	.015	.011		
3.0	.165	.114	.074	.142	.099	.064	.097	.069	.045	.056	.040	.026	.018	.013	.009		
4.0	.158	.101	.058	.135	.087	.050	.093	.061	.035	.054	.036	.021	.017	.012	.007		
5.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.051	.032	.017	.017	.011	.006		
6.0	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005		
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004		
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.015	.008	.003		
9.0	.123	.065	.025	.106	.056	.022	.074	.039	.016	.043	.023	.009	.014	.008	.003		
10.0	.118	.060	.022	.101	.052	.019	.070	.037	.014	.041	.022	.008	.013	.007	.003		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CJ
Test Date:2026-05-15

γ Range: 0 - 90DEG
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:0.2703A P:6.4864W PF:1.0000 Freq:0Hz										
Lamp Flux:461.43x1 lm										
NAME: N008232XC1LZ					TYPE: LED			WEIGHT:		
SPEC.: 1M					DIM.: 1M			SERIAL No.:		
MFR.: iPixel LED					SUR.: 0.01			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	25.1	26.6	25.3	26.8	27.0	24.9	26.4	25.2	26.6	26.8
3H	26.7	28.1	27.0	28.3	28.6	26.5	27.9	26.8	28.1	28.3
4H	27.3	28.7	27.6	28.9	29.2	27.1	28.4	27.4	28.7	28.9
6H	27.8	29.1	28.1	29.3	29.6	27.5	28.8	27.8	29.0	29.3
8H	28.0	29.2	28.3	29.5	29.8	27.6	28.9	28.0	29.1	29.4
12H	28.1	29.3	28.5	29.6	29.9	27.7	28.9	28.0	29.2	29.5
4H 2H	25.7	27.0	26.0	27.3	27.6	25.6	26.9	25.9	27.2	27.4
3H	27.5	28.7	27.8	29.0	29.3	27.3	28.5	27.7	28.8	29.1
4H	28.3	29.3	28.6	29.7	30.0	28.0	29.1	28.4	29.4	29.8
6H	28.9	29.8	29.3	30.2	30.6	28.6	29.6	29.0	29.9	30.3
8H	29.1	30.0	29.5	30.4	30.8	28.8	29.7	29.2	30.0	30.4
12H	29.3	30.1	29.7	30.5	30.9	28.9	29.7	29.3	30.1	30.5
8H 4H	28.5	29.4	28.9	29.8	30.2	28.3	29.2	28.8	29.6	30.0
6H	29.3	30.1	29.8	30.5	30.9	29.1	29.8	29.5	30.2	30.6
8H	29.6	30.3	30.1	30.7	31.2	29.3	30.0	29.8	30.4	30.9
12H	29.9	30.5	30.4	31.0	31.4	29.5	30.1	30.0	30.5	31.0
12H 4H	28.5	29.4	29.0	29.8	30.2	28.4	29.2	28.8	29.6	30.0
6H	29.4	30.0	29.8	30.5	30.9	29.1	29.8	29.6	30.2	30.7
8H	29.8	30.3	30.2	30.8	31.3	29.4	30.0	29.9	30.5	30.9
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, 461.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.7)
Area: 0.01 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CJ
Test Date:2026-05-15

γ Range: 0 - 90DEG
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:0.2703A P:6.4864W PF:1.0000 Freq:0Hz Lamp Flux:461.43x1 lm		
NAME: N008232XC1LZ	TYPE: LED	WEIGHT:
SPEC.: 1M	DIM.: 1M	SERIAL No.:
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:

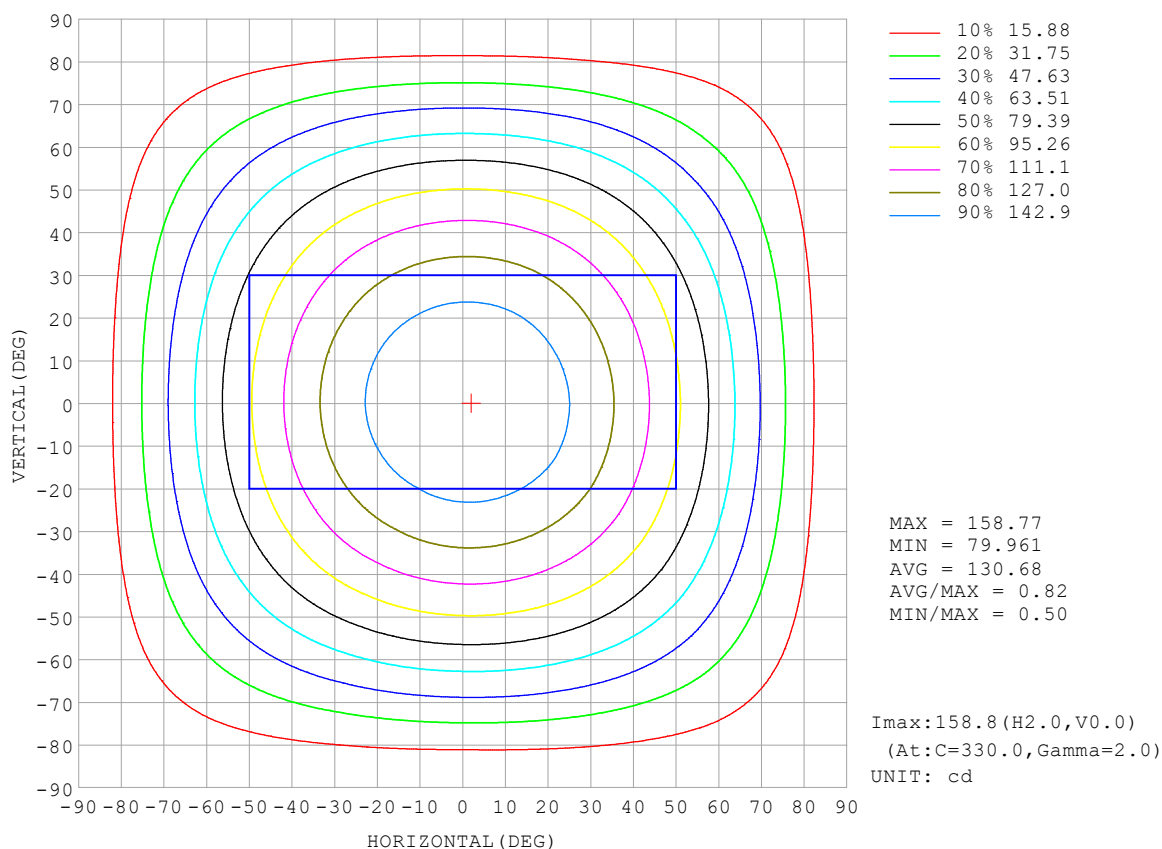
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	56	72	65	56	49
1.25	83	72	65	81	71	64	78	70	63	56
1.50	88	77	70	86	77	70	83	75	69	61
2.00	94	86	79	93	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	82	73
3.00	102	95	89	100	93	88	96	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	98	95	85
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: CJ
Test Date: 2026-05-15

γ Range: 0 - 90DEG
 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:0.2703A P:6.4864W PF:1.0000 Freq:0Hz Lamp Flux:461.43x1 lm		
NAME: N008232XC1LZ	TYPE: LED	WEIGHT:
SPEC.: 1M	DIM.: 1M	SERIAL No.:
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:

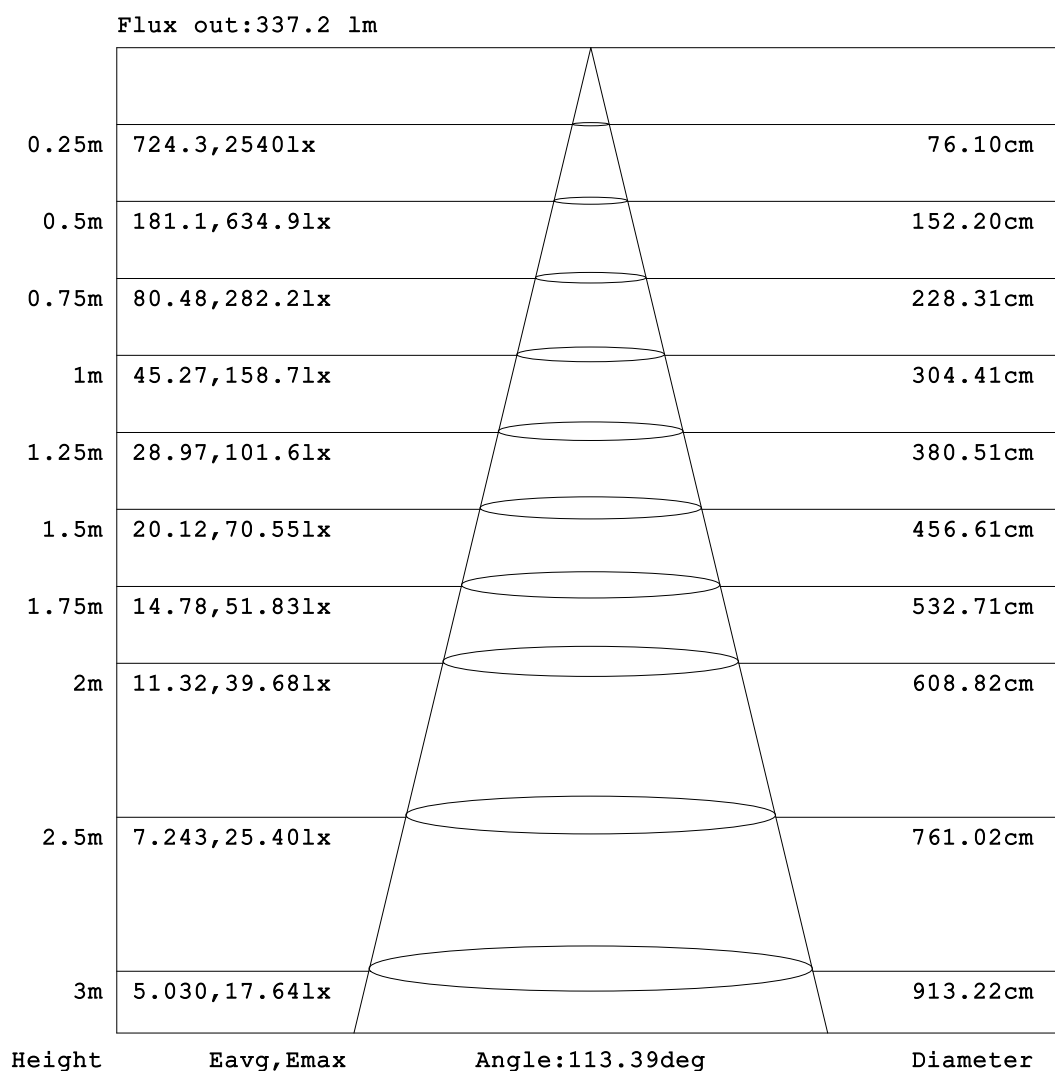


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CJ
Test Date:2026-05-15

γ Range: 0 - 90DEG
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:0.2703A P:6.4864W PF:1.0000 Freq:0Hz Lamp Flux:461.43x1 lm		
NAME: N008232XC1LZ	TYPE: LED	WEIGHT:
SPEC.: 1M	DIM.: 1M	SERIAL No.:
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:



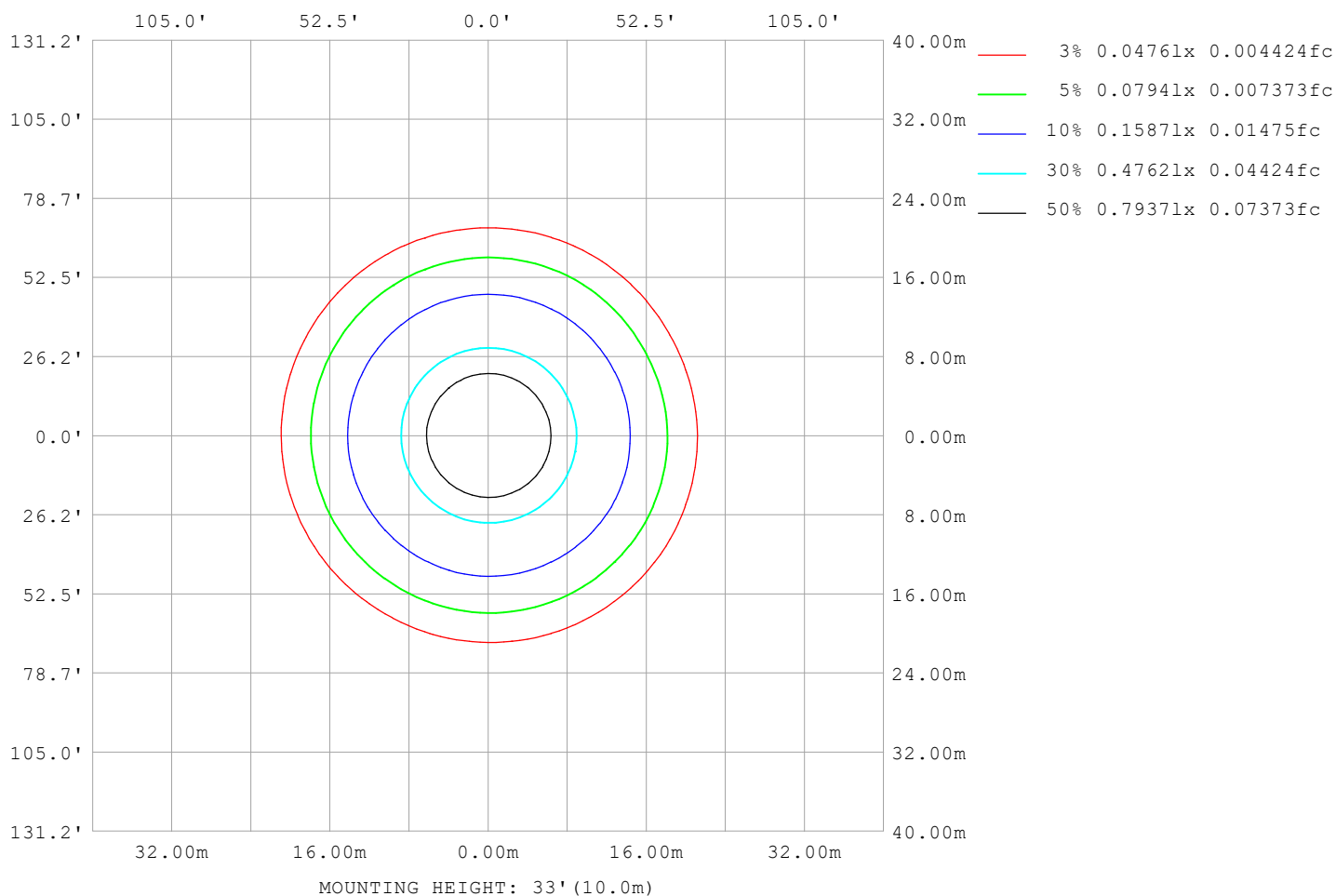
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3℃
 Operators: CJ
 Test Date: 2026-05-15

γ Range: 0 - 90DEG
 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:0.2703A P:6.4864W PF:1.0000 Freq:0Hz Lamp Flux:461.43x1 lm		
NAME: N008232XC1LZ	TYPE: LED	WEIGHT:
SPEC.: 1M	DIM.: 1M	SERIAL No.:
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:CJ
Test Date:2026-05-15

γ Range: 0 - 90DEG
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:0.2703A P:6.4864W PF:1.0000 Freq:0Hz Lamp Flux:461.43x1 lm		
NAME: N008232XC1LZ	TYPE: LED	WEIGHT:
SPEC.: 1M	DIM.: 1M	SERIAL No.:
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:

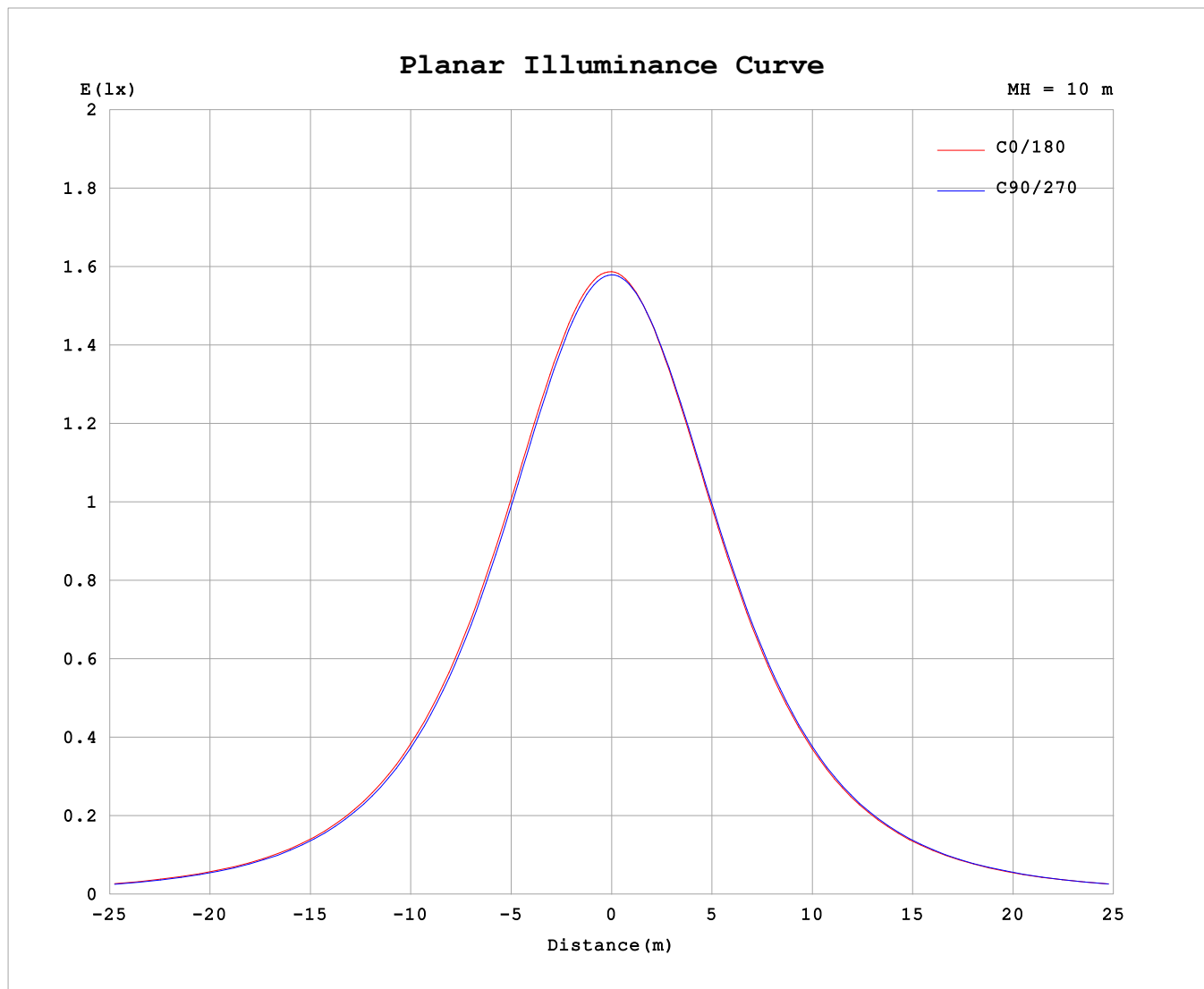
AvgL	cd/m2
L_0~180 (65) av	13946
L_0~180 (75) av	12660
L_0~180 (85) av	12125
L_90~270 (65) av	13816
L_90~270 (75) av	12235
L_90~270 (85) av	9353
L_45 (65) av	13865
L_45 (75) av	12411
L_45 (85) av	10988

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CJ
Test Date:2026-05-15

γ Range: 0 - 90DEG
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: CJ
Test Date: 2026-05-15

γ Range: 0 - 90DEG
 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:

```

γ Range: 0 - 90DEG
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:

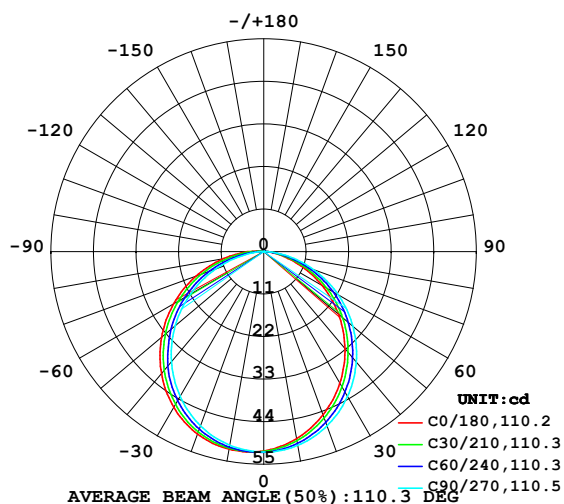
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LUMINAIRE PHOTOMETRIC TEST REPORT

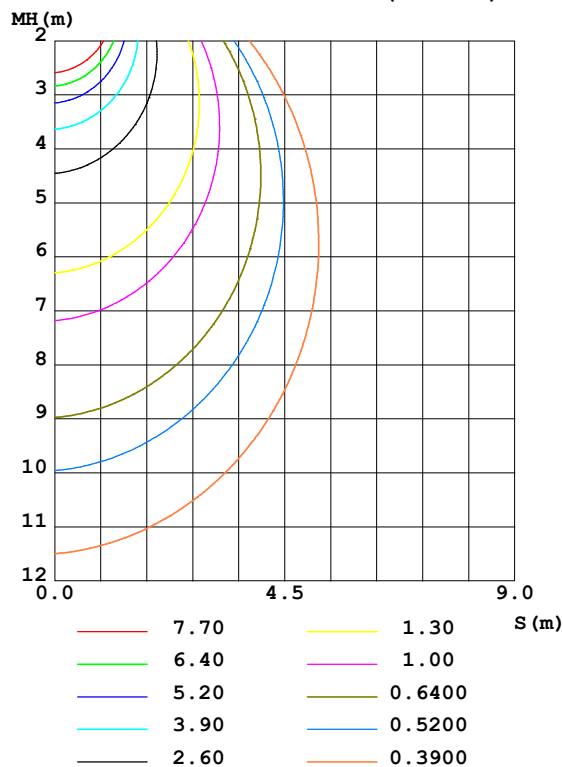
Test:U:24.000V I:0.2560A P:6.1440W PF:1.0000 Freq:0Hz Lamp Flux:146.616x1 lm		
NAME: N004120BC1LZ	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 23.86 lm/W			
MODEL		I _{max} (cd)	52.00	S/MH (C0/180)	1.33
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.24
RATED VOLTAGE (V)		TOTAL FLUX (lm)	146.62	η UP, DN (C0-180)	0.2, 49.4
NOMINAL FLUX (lm)	146.616	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.3, 50.1
LAMPS INSIDE	1	η up (%)	0.5	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)		η down (%)	99.5	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: 2022-11-22

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:

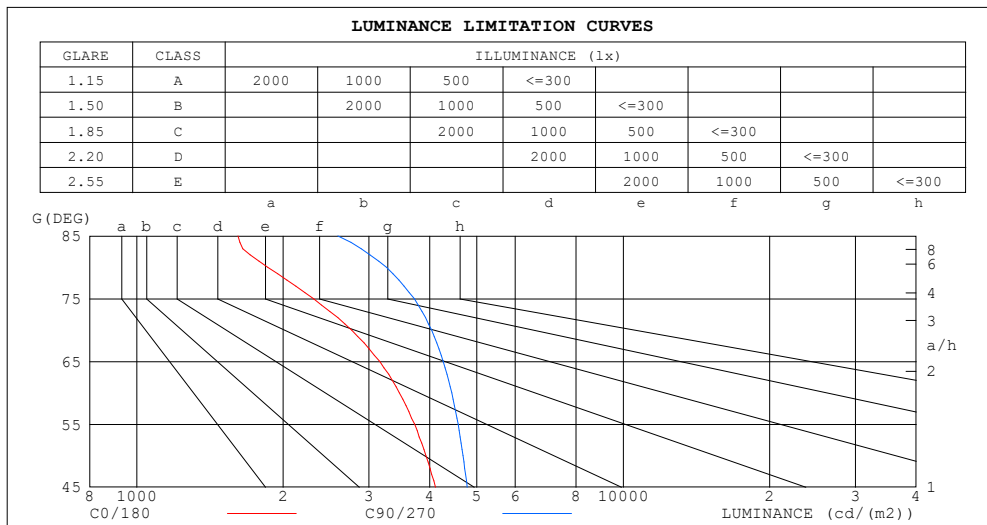
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	49.09	50.05	50.87	51.43	51.86	51.54	50.82	49.91	0- 10	4.888	4.888	3.33,3.33
20	44.93	46.47	47.93	49.23	50.19	49.22	47.91	46.27	10- 20	13.96	18.85	12.9,12.9
30	39.35	41.37	43.31	45.16	46.50	45.03	43.26	41.12	20- 30	21.04	39.88	27.2,27.2
40	32.73	35.04	37.26	39.49	41.16	39.08	37.13	34.75	30- 40	25.18	65.07	44.4,44.4
50	25.26	27.81	30.12	32.59	34.51	32.13	29.92	27.44	40- 50	25.93	91.00	62.1,62.1
60	17.33	19.90	22.21	24.83	26.90	24.30	21.81	19.45	50- 60	23.30	114.3	78,78
70	9.450	11.70	13.81	16.49	18.71	15.91	13.21	11.19	60- 70	17.73	132.0	90,90
80	3.228	4.327	5.661	8.288	10.42	7.667	4.905	3.726	70- 80	10.32	142.3	97.1,97.1
90	0.5146	0.5952	0.0410	2.246	3.844	1.913	0	0.4767	80- 90	3.546	145.9	99.5,99.5
100	0.2340	0.2944	0.0226	0.5887	0.9961	0.4754	0	0.1283	90-100	0.7039	146.6	100,100
110	0	0	0	0	0	0	0	0	100-110	0.0178	146.6	100,100
120	0	0	0	0	0	0	0	0	110-120	0	146.6	100,100
130	0	0	0	0	0	0	0	0	120-130	0	146.6	100,100
140	0	0	0	0	0	0	0	0	130-140	0	146.6	100,100
150	0	0	0	0	0	0	0	0	140-150	0	146.6	100,100
160	0	0	0	0	0	0	0	0	150-160	0	146.6	100,100
170	0	0	0	0	0	0	0	0	160-170	0	146.6	100,100
180	0	0	0	0	0	0	0	0	170-180	0	146.6	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:2022-11-22

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:0.2560A P:6.1440W PF:1.0000 Freq:0Hz Lamp Flux:146.616x1 lm		
NAME: N004120BC1LZ	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1615	2589
80	1859	3260
75	2310	3719
70	2763	4036
65	3160	4263
60	3466	4443
55	3724	4578
50	3930	4686
45	4114	4781

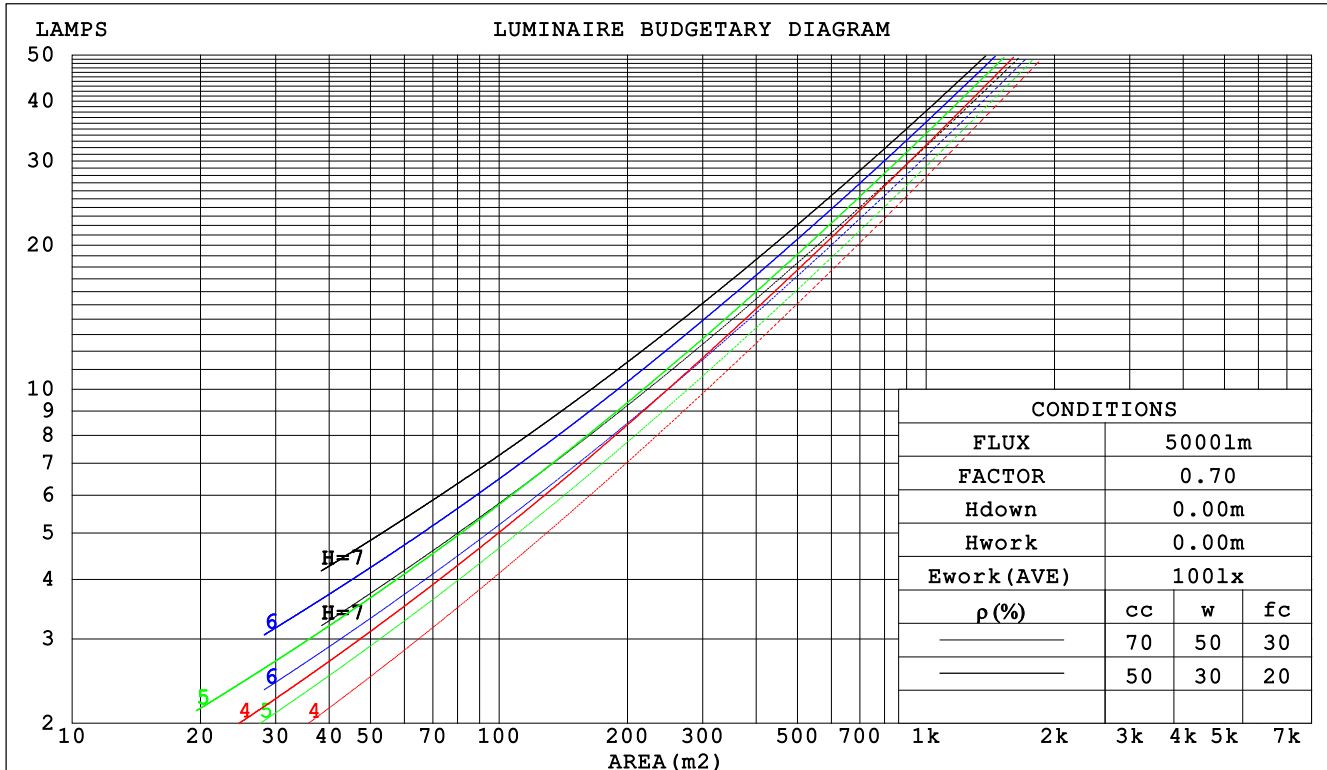
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: SENGPU
Test Date: 2022-11-22

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:0.2560A P:6.1440W PF:1.0000 Freq:0Hz Lamp Flux:146.616x1 lm		
NAME: N004120BC1LZ	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	1.03	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.75	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.71	.64	.77	.70	.64	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.52	.49
5.0	.63	.54	.47	.61	.53	.47	.59	.52	.46	.57	.51	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.52	.45	.40	.50	.44	.39	.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	.44	.37	.32	.43	.36	.32	.42	.36	.31	.29
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26
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: 2022-11-22

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:0.2560A P:6.1440W PF:1.0000 Freq:0Hz Lamp Flux:146.616x1 lm					
NAME: N004120BC1LZ			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	.315	.179	.057	.308	.175	.056	.294	.169	.054	.281	.162	.052	.270	.156	.050		
2.0	.294	.161	.049	.287	.158	.049	.275	.153	.048	.264	.148	.046	.254	.144	.045		
3.0	.271	.144	.043	.265	.142	.043	.255	.138	.042	.245	.134	.041	.236	.131	.040		
4.0	.250	.130	.038	.245	.128	.038	.235	.125	.037	.227	.122	.037	.218	.119	.036		
5.0	.231	.118	.034	.226	.116	.034	.218	.113	.033	.210	.111	.033	.203	.108	.033		
6.0	.214	.107	.031	.210	.106	.030	.202	.104	.030	.195	.102	.030	.189	.099	.030		
7.0	.199	.098	.028	.195	.097	.028	.189	.095	.027	.182	.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	.023	.171	.083	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023		
10.0	.164	.078	.022	.161	.078	.022	.156	.076	.022	.152	.075	.021	.147	.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	.194	.194	.194	.166	.166	.166	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.184	.160	.138	.158	.137	.119	.108	.094	.082	.062	.055	.048	.020	.018	.015	
2.0	.176	.136	.102	.151	.117	.088	.103	.081	.061	.060	.047	.036	.019	.015	.012	
3.0	.169	.118	.078	.144	.102	.068	.099	.071	.047	.057	.041	.028	.018	.013	.009	
4.0	.161	.105	.062	.138	.091	.054	.095	.063	.038	.055	.037	.022	.018	.012	.007	
5.0	.153	.094	.051	.132	.082	.044	.091	.057	.031	.053	.034	.019	.017	.011	.006	
6.0	.146	.086	.043	.126	.075	.037	.087	.052	.026	.050	.031	.016	.016	.010	.005	
7.0	.139	.079	.037	.120	.069	.032	.083	.048	.023	.048	.028	.014	.016	.009	.005	
8.0	.133	.073	.033	.114	.064	.028	.079	.045	.020	.046	.026	.012	.015	.009	.004	
9.0	.127	.068	.029	.109	.059	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
10.0	.121	.064	.026	.104	.056	.023	.072	.039	.016	.042	.023	.010	.014	.008	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: SENGPU
 Test Date: 2022-11-22

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:0.2560A P:6.1440W PF:1.0000 Freq:0Hz Lamp Flux:146.616x1 lm										
NAME: N004120BC1LZ					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	16.9	18.5	17.2	18.7	18.9	17.9	19.4	18.1	19.6	19.8
3H	18.1	19.5	18.4	19.8	20.0	19.4	20.8	19.7	21.0	21.3
4H	18.5	19.8	18.8	20.1	20.4	20.0	21.3	20.3	21.6	21.9
6H	18.7	20.0	19.0	20.2	20.5	20.4	21.7	20.7	21.9	22.2
8H	18.8	20.0	19.1	20.3	20.6	20.5	21.7	20.9	22.0	22.3
12H	18.8	19.9	19.1	20.3	20.6	20.6	21.8	20.9	22.1	22.4
4H 2H	17.6	18.9	17.9	19.2	19.5	18.3	19.7	18.7	19.9	20.2
3H	19.0	20.1	19.3	20.4	20.7	20.0	21.2	20.4	21.5	21.8
4H	19.4	20.5	19.8	20.8	21.2	20.7	21.8	21.1	22.1	22.5
6H	19.8	20.7	20.2	21.1	21.4	21.3	22.2	21.7	22.6	23.0
8H	19.8	20.7	20.3	21.1	21.5	21.4	22.3	21.9	22.7	23.1
12H	19.9	20.7	20.3	21.1	21.5	21.5	22.4	22.0	22.8	23.2
8H 4H	19.7	20.6	20.1	21.0	21.4	20.9	21.8	21.3	22.2	22.5
6H	20.2	20.9	20.6	21.3	21.8	21.5	22.3	22.0	22.7	23.1
8H	20.3	21.0	20.8	21.4	21.9	21.8	22.4	22.2	22.9	23.3
12H	20.4	21.0	20.9	21.5	21.9	21.9	22.5	22.4	23.0	23.5
12H 4H	19.7	20.6	20.2	20.9	21.4	20.9	21.7	21.3	22.1	22.5
6H	20.2	20.9	20.7	21.3	21.8	21.6	22.2	22.0	22.6	23.1
8H	20.4	21.0	20.9	21.4	21.9	21.8	22.4	22.3	22.8	23.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.5					+ 0.3 / - 0.3				

CIE Pub.117, 146.6 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -6.7$)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: SENGPU
 Test Date: 2022-11-22

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:0.2560A P:6.1440W PF:1.0000 Freq:0Hz Lamp Flux:146.616x1 lm		
NAME: N004120BC1LZ	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

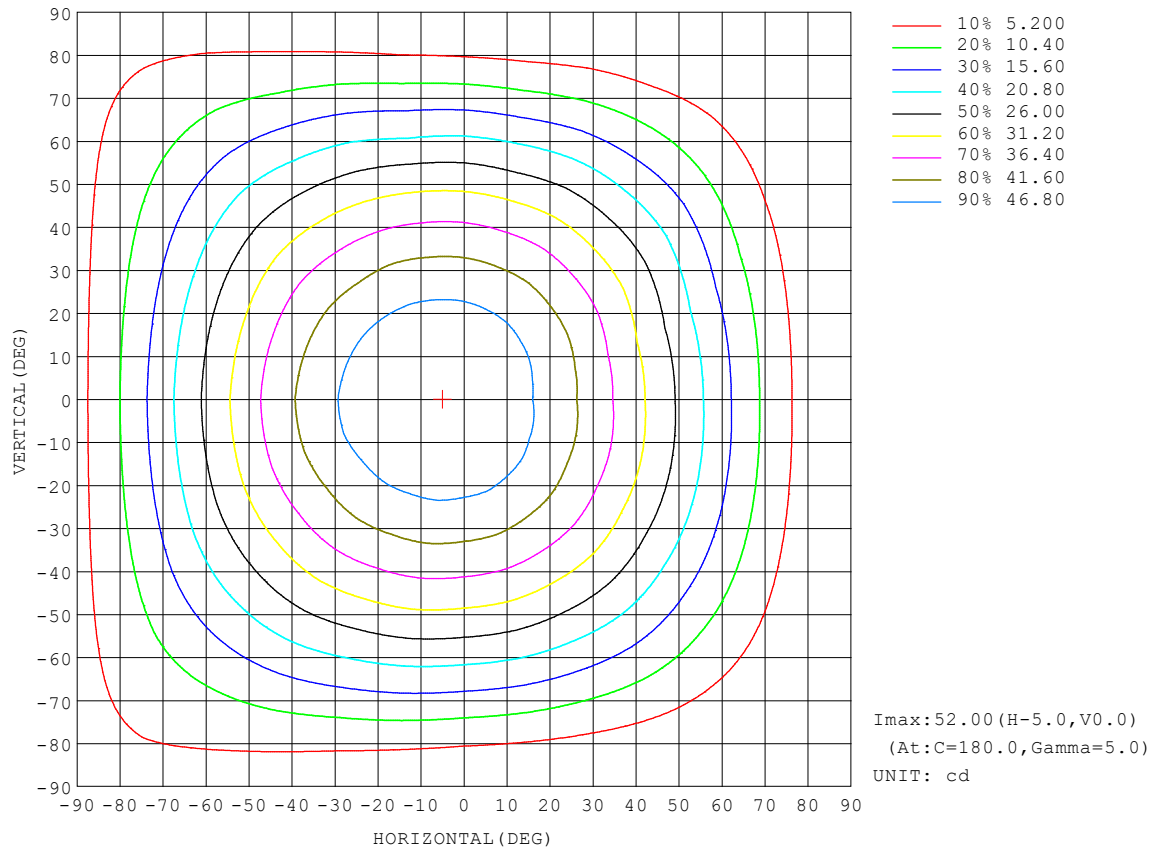
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	57	46	39	55	45	38	32
0.80	67	56	48	66	55	48	65	54	48	41
1.00	76	65	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	65	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	79	93	85	79	89	82	77	69
2.50	98	91	84	96	89	84	93	86	82	73
3.00	102	95	89	100	93	88	96	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	98	94	85
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: 2022-11-22

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:0.2560A P:6.1440W PF:1.0000 Freq:0Hz Lamp Flux:146.616x1 lm		
NAME: N004120BC1LZ	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

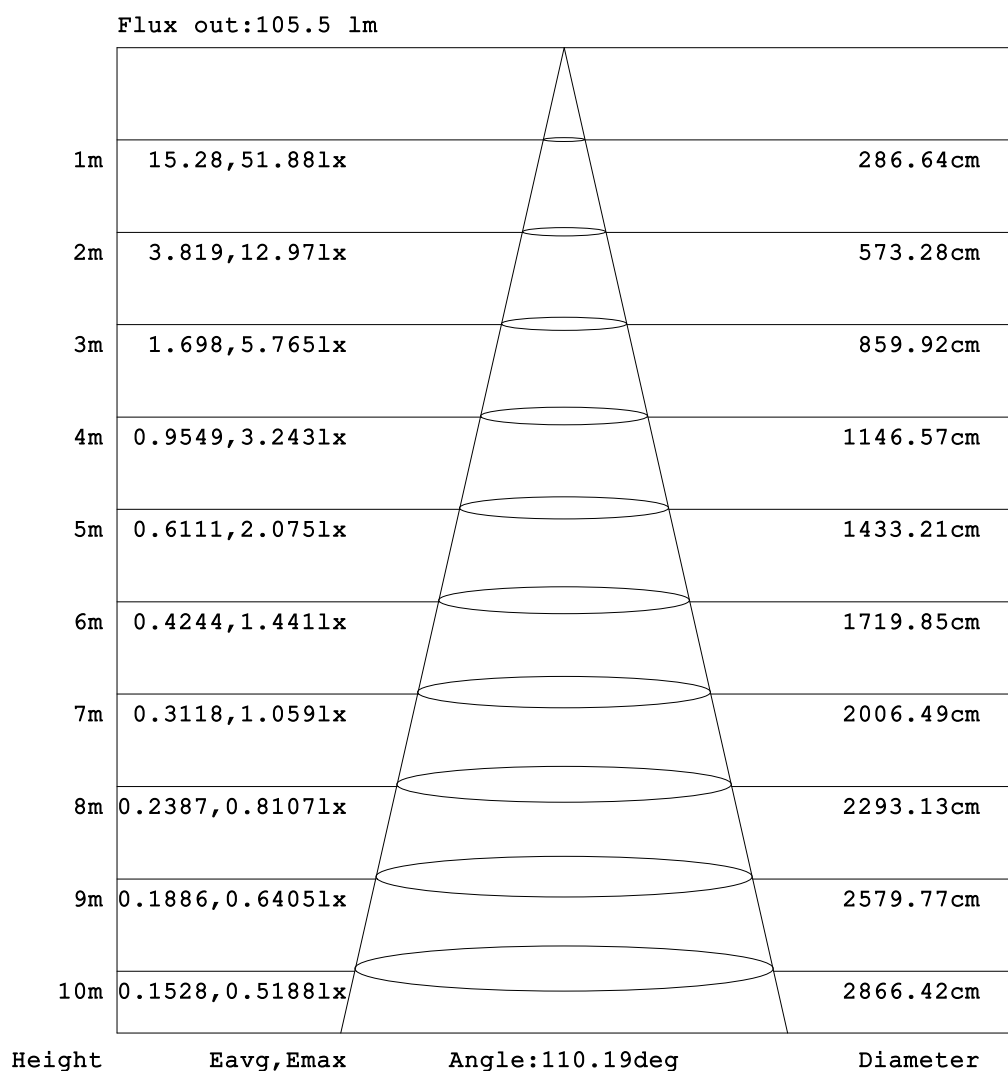


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENGPU
Test Date:2022-11-22

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:0.2560A P:6.1440W PF:1.0000 Freq:0Hz Lamp Flux:146.616x1 lm		
NAME: N004120BC1LZ	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



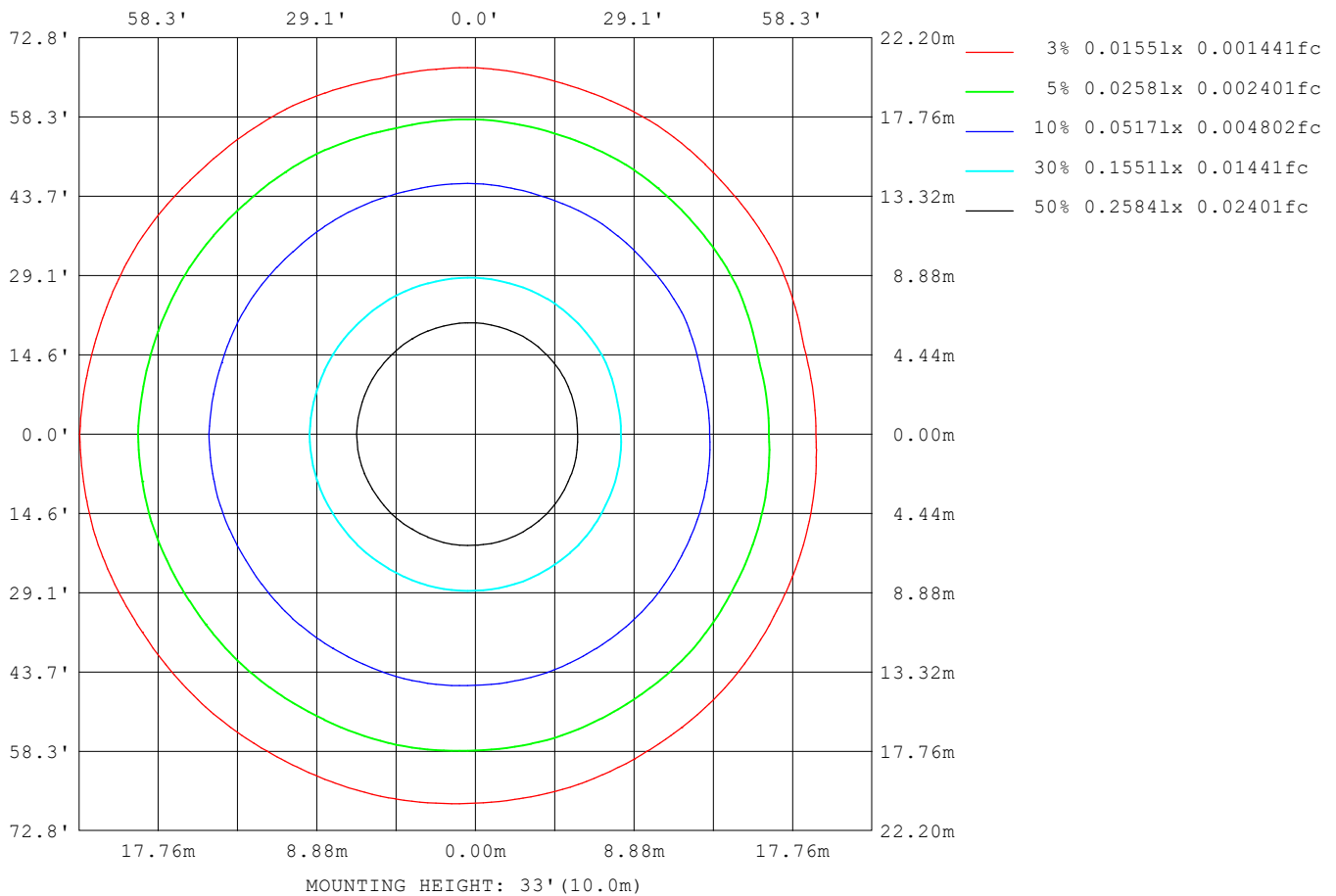
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:SENGPU
 Test Date:2022-11-22

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:0.2560A P:6.1440W PF:1.0000 Freq:0Hz Lamp Flux:146.616x1 lm		
NAME: N004120BC1LZ	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: 2022-11-22

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:0.2560A P:6.1440W PF:1.0000 Freq:0Hz Lamp Flux:146.616x1 lm		
NAME: N004120BC1LZ	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

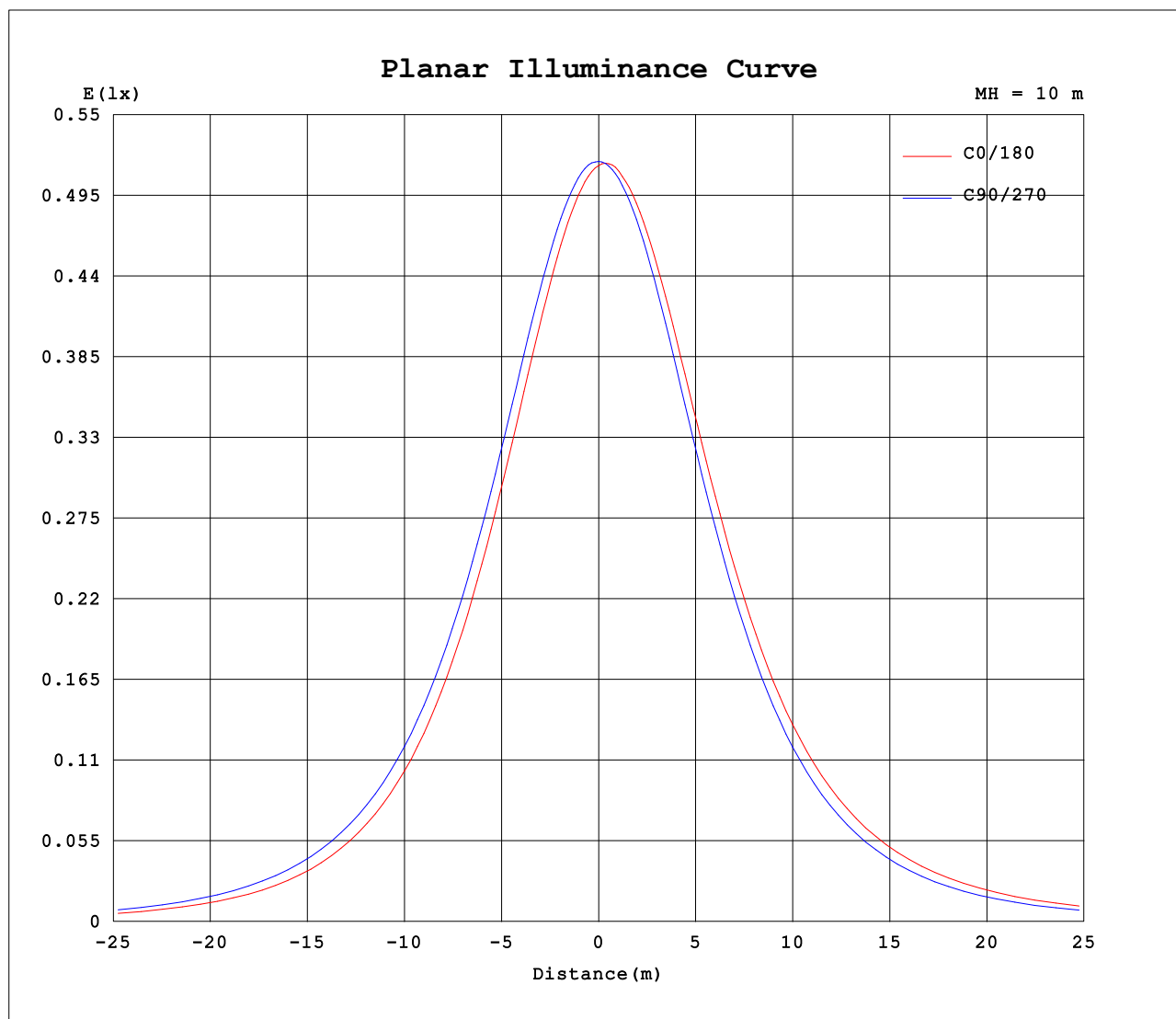
AvgL	cd/m2
L_0~180 (65) av	4284
L_0~180 (75) av	3957
L_0~180 (85) av	4665
L_90~270 (65) av	4208
L_90~270 (75) av	3583
L_90~270 (85) av	2213
L_45 (65) av	4242
L_45 (75) av	3750
L_45 (85) av	3551

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENGPU
Test Date:2022-11-22

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: 2022-11-22

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:0.2560A P:6.1440W PF:1.0000 Freq:0Hz Lamp Flux:146.616x1 lm																		
NAME: N004120BC1LZ									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	51.5	51.6	51.7	51.8	51.9	51.9	51.8	51.8	51.7	51.7	51.6	51.6	51.5	51.6	51.7	51.8	51.9	51.9	51.8
5	50.6	50.7	50.9	51.2	51.4	51.5	51.6	51.7	51.8	51.8	51.8	52.0	52.0	51.9	51.9	51.9	51.8	51.8	51.6
10	49.1	49.4	49.6	50.1	50.4	50.7	50.9	51.1	51.3	51.4	51.6	51.8	51.9	51.8	51.6	51.5	51.3	51.1	50.8
15	47.2	47.6	47.9	48.4	48.9	49.4	49.6	50.0	50.3	50.6	50.8	51.2	51.3	51.1	50.9	50.6	50.3	50.0	49.6
20	44.9	45.4	45.8	46.5	47.0	47.6	47.9	48.5	48.8	49.2	49.6	50.1	50.2	49.9	49.6	49.2	48.8	48.4	47.9
25	42.3	42.8	43.3	44.1	44.7	45.4	45.8	46.5	46.8	47.4	47.8	48.4	48.6	48.3	47.9	47.4	46.9	46.3	45.8
30	39.4	39.9	40.4	41.4	42.0	42.8	43.3	44.1	44.5	45.2	45.6	46.3	46.5	46.1	45.6	45.0	44.5	43.8	43.3
35	36.1	36.8	37.3	38.3	39.0	39.9	40.4	41.3	41.7	42.5	43.0	43.8	44.0	43.5	43.0	42.2	41.7	40.9	40.4
40	32.7	33.4	34.0	35.0	35.8	36.7	37.3	38.1	38.7	39.5	40.0	40.9	41.2	40.6	40.0	39.1	38.6	37.7	37.1
45	29.1	29.8	30.4	31.5	32.3	33.2	33.8	34.7	35.3	36.2	36.7	37.7	38.0	37.3	36.7	35.7	35.0	34.3	33.6
50	25.3	26.0	26.7	27.8	28.6	29.6	30.1	31.1	31.6	32.6	33.2	34.2	34.5	33.8	33.2	32.1	31.3	30.5	29.9
55	21.4	22.1	22.8	23.9	24.7	25.7	26.3	27.2	27.8	28.8	29.4	30.4	30.8	29.9	29.4	28.2	27.5	26.5	26.0
60	17.3	18.1	18.8	19.9	20.6	21.6	22.2	23.2	23.8	24.8	25.5	26.5	26.9	26.1	25.5	24.3	23.5	22.1	21.8
65	13.4	14.1	14.7	15.8	16.5	17.5	18.0	19.0	19.7	20.7	21.4	22.5	22.9	22.0	21.3	20.0	19.3	17.9	17.5
70	9.45	10.1	10.7	11.7	12.4	13.2	13.8	14.8	15.5	16.5	17.2	18.3	18.7	17.9	17.1	15.9	15.0	13.8	13.2
75	5.98	6.51	7.03	7.78	8.37	9.09	9.63	10.5	11.3	12.3	13.1	14.1	14.5	13.6	12.9	11.6	10.7	9.47	8.92
80	3.23	3.60	3.93	4.33	4.70	5.20	5.66	6.50	7.25	8.29	9.11	10.1	10.4	9.68	8.88	7.67	6.66	5.49	4.91
85	1.41	1.57	1.77	1.88	1.95	2.01	2.26	3.00	3.78	4.73	5.60	6.45	6.72	6.13	5.32	4.23	3.20	2.21	1.60
90	0.51	0.56	0.66	0.60	0.60	0.44	0.04	0.82	1.53	2.25	2.99	3.63	3.84	3.42	2.72	1.91	1.08	0.49	0.00
95	0.26	0.24	0.32	0.32	0.30	0.23	0.02	0.35	0.55	0.96	1.47	1.82	1.93	1.72	1.24	0.80	0.32	0.20	0.00
100	0.23	0.24	0.27	0.29	0.10	0.08	0.02	0.11	0.27	0.59	0.77	0.95	1.00	0.88	0.67	0.48	0.23	0.09	0.00
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: 2022-11-22

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:0.2560A P:6.1440W PF:1.0000 Freq:0Hz Lamp Flux:146.616x1 lm		
NAME: N004120BC1LZ	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	51.8	51.7	51.7	51.6	51.6														
5	51.5	51.3	51.1	50.8	50.7														
10	50.6	50.3	49.9	49.6	49.3														
15	49.2	48.8	48.3	47.9	47.4														
20	47.4	46.9	46.3	45.8	45.2														
25	45.2	44.6	43.9	43.3	42.6														
30	42.6	42.0	41.1	40.5	39.6														
35	39.6	39.0	38.1	37.4	36.3														
40	36.3	35.7	34.7	34.0	32.7														
45	32.8	32.2	31.2	30.5	29.0														
50	29.0	28.5	27.4	26.7	25.2														
55	25.0	24.5	23.4	22.8	21.1														
60	21.0	20.4	19.4	18.8	17.3														
65	16.6	16.2	15.2	14.6	13.2														
70	12.4	12.0	11.2	10.4	9.49														
75	8.13	7.89	7.18	6.67	6.00														
80	4.40	4.21	3.73	3.63	3.27														
85	1.45	1.41	1.54	1.56	1.44														
90	0.22	0.30	0.48	0.48	0.52														
95	0.10	0.09	0.19	0.19	0.24														
100	0.05	0.08	0.13	0.20	0.20														
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:2022-11-22

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: