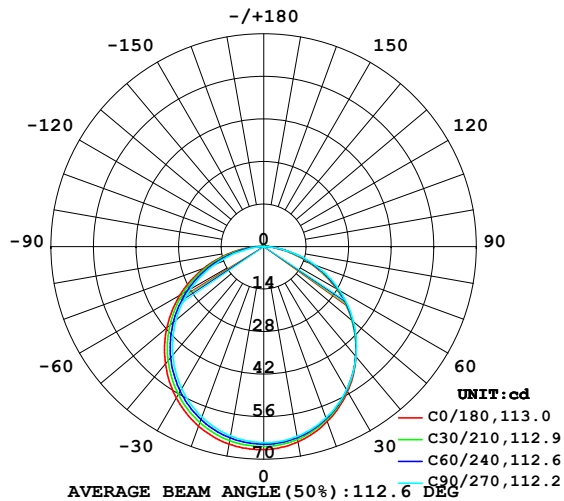


LUMINAIRE PHOTOMETRIC TEST REPORT

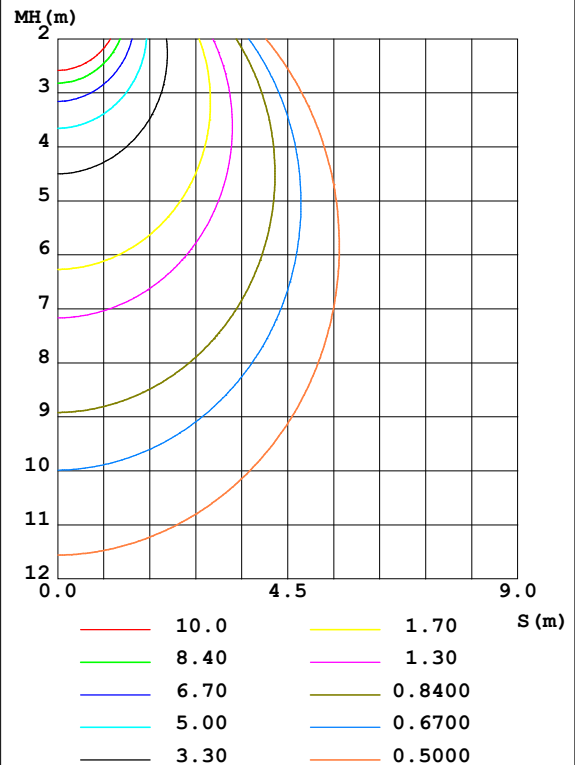
Test:U:24.000V I:0.8360A P:20.060W PF:1.0000 Freq:0Hz Lamp Flux:187.042x1 lm		
NAME: N012120BC1LZ	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 9.32 lm/W
MODEL		I _{max} (cd)	66.80	S/MH (C0/180)	1.28	
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.25	
RATED VOLTAGE (V)		TOTAL FLUX (lm)	187.04	η UP, DN (C0-180)	0.2, 50.2	
NOMINAL FLUX (lm)	187.042	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.2, 49.4	
LAMPS INSIDE	1	η up (%)	0.4	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)		η down (%)	99.6	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: 2022-11-23

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:

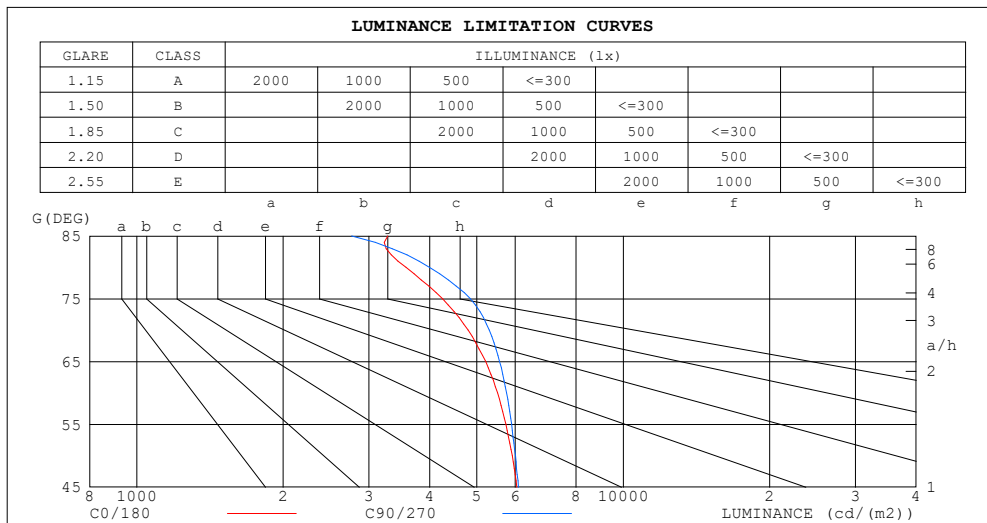
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	65.23	64.15	63.41	63.06	65.98	64.35	63.24	62.47	0- 10	6.134	6.134	3.28,3.28
20	61.24	60.60	59.99	60.05	62.85	60.94	59.68	58.73	10- 20	17.56	23.69	12.7,12.7
30	55.15	54.91	54.49	54.92	57.54	55.43	54.01	52.92	20- 30	26.59	50.28	26.9,26.9
40	47.26	47.40	47.26	47.99	50.36	48.08	46.54	45.38	30- 40	32.02	82.30	44,44
50	38.02	38.46	38.59	39.66	41.66	39.33	37.70	36.49	40- 50	33.23	115.5	61.8,61.8
60	27.57	28.35	28.79	30.17	31.78	29.53	27.75	26.53	50- 60	30.13	145.7	77.9,77.9
70	16.40	17.47	18.14	19.81	21.04	18.88	17.01	15.86	60- 70	23.13	168.8	90.2,90.2
80	6.213	7.011	6.940	9.335	10.18	8.303	6.201	5.743	70- 80	13.35	182.1	97.4,97.4
90	1.473	1.418	0.0468	1.718	2.177	1.565	0.0151	0.9818	80- 90	4.087	186.2	99.6,99.6
100	1.170	1.117	0.0453	0.7321	0.6868	0.7018	0.0151	0.8227	90-100	0.7877	187.0	100,100
110	0	0	0	0	0	0	0	0	100-110	0.0317	187.0	100,100
120	0	0	0	0	0	0	0	0	110-120	0	187.0	100,100
130	0	0	0	0	0	0	0	0	120-130	0	187.0	100,100
140	0	0	0	0	0	0	0	0	130-140	0	187.0	100,100
150	0	0	0	0	0	0	0	0	140-150	0	187.0	100,100
160	0	0	0	0	0	0	0	0	150-160	0	187.0	100,100
170	0	0	0	0	0	0	0	0	160-170	0	187.0	100,100
180	0	0	0	0	0	0	0	0	170-180	0	187.0	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:2022-11-23

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:0.8360A P:20.060W PF:1.0000 Freq:0Hz Lamp Flux:187.042x1 lm		
NAME: N012120BC1LZ	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3280	2765
80	3578	3996
75	4251	4849
70	4796	5304
65	5213	5570
60	5513	5758
55	5739	5896
50	5915	6004
45	6046	6090

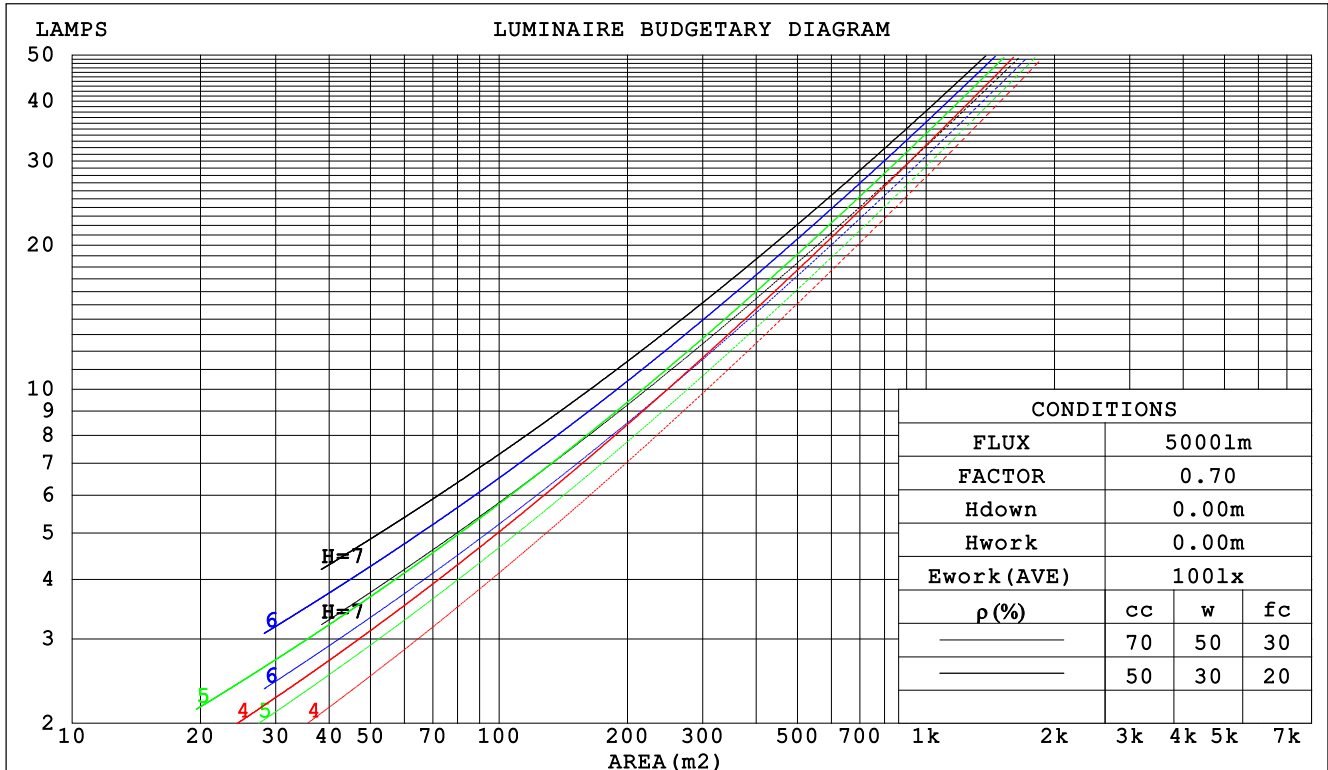
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: SENGPU
Test Date: 2022-11-23

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:0.8360A P:20.060W PF:1.0000 Freq:0Hz Lamp Flux:187.042x1 lm		
NAME: N012120BC1LZ	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	.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	.71	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.50	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.46	.39	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.28	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.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: 2022-11-23

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:0.8360A P:20.060W PF:1.0000 Freq:0Hz Lamp Flux:187.042x1 lm								
NAME: N012120BC1LZ				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	.314	.179	.057	.307	.175	.056	.293	.168	.054	.281	.162	.052	.269	.156	.050		
2.0	.294	.161	.049	.288	.158	.049	.276	.153	.048	.265	.149	.046	.255	.144	.045		
3.0	.272	.145	.043	.266	.142	.043	.255	.138	.042	.246	.135	.041	.237	.131	.041		
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.227	.122	.037	.219	.119	.036		
5.0	.231	.118	.034	.227	.116	.034	.218	.114	.033	.211	.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	.099	.028	.196	.098	.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	.172	.084	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023		
10.0	.164	.079	.022	.161	.078	.022	.157	.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	.194	.194	.194	.166	.166	.166	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.184	.159	.137	.157	.137	.118	.108	.094	.082	.062	.054	.048	.020	.018	.015	
2.0	.176	.135	.101	.151	.116	.087	.103	.081	.061	.060	.047	.036	.019	.015	.012	
3.0	.168	.118	.077	.144	.102	.067	.099	.071	.047	.057	.041	.028	.018	.013	.009	
4.0	.161	.104	.062	.138	.090	.053	.095	.063	.038	.055	.037	.022	.018	.012	.007	
5.0	.153	.094	.050	.131	.081	.044	.091	.057	.031	.052	.033	.018	.017	.011	.006	
6.0	.146	.086	.042	.125	.074	.037	.087	.052	.026	.050	.031	.016	.016	.010	.005	
7.0	.139	.079	.037	.120	.068	.032	.083	.048	.023	.048	.028	.013	.016	.009	.004	
8.0	.133	.073	.032	.114	.063	.028	.079	.044	.020	.046	.026	.012	.015	.009	.004	
9.0	.126	.068	.029	.109	.059	.025	.075	.042	.018	.044	.025	.011	.014	.008	.004	
10.0	.121	.064	.026	.104	.055	.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:2022-11-23

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:0.8360A P:20.060W PF:1.0000 Freq:0Hz Lamp Flux:187.042x1 lm										
NAME: N012120BC1LZ					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	18.9	20.4	19.1	20.6	20.8	19.0	20.5	19.3	20.7	21.0
3H	20.3	21.7	20.6	21.9	22.2	20.6	22.0	20.9	22.2	22.5
4H	20.8	22.1	21.1	22.4	22.7	21.2	22.5	21.5	22.8	23.0
6H	21.1	22.4	21.5	22.7	23.0	21.6	22.8	21.9	23.1	23.4
8H	21.2	22.5	21.6	22.7	23.0	21.7	22.9	22.0	23.2	23.5
12H	21.3	22.5	21.6	22.8	23.1	21.7	22.9	22.1	23.2	23.5
4H 2H	19.5	20.8	19.8	21.1	21.3	19.6	20.9	19.9	21.2	21.5
3H	21.1	22.2	21.4	22.6	22.9	21.3	22.5	21.7	22.8	23.1
4H	21.7	22.8	22.1	23.1	23.5	22.0	23.1	22.4	23.5	23.8
6H	22.2	23.1	22.6	23.5	23.9	22.6	23.5	23.0	23.9	24.3
8H	22.3	23.2	22.7	23.6	24.0	22.7	23.6	23.2	24.0	24.4
12H	22.4	23.2	22.8	23.6	24.0	22.8	23.6	23.3	24.0	24.5
8H 4H	22.0	22.9	22.4	23.2	23.6	22.3	23.2	22.7	23.5	23.9
6H	22.6	23.3	23.0	23.7	24.2	22.9	23.7	23.4	24.1	24.5
8H	22.8	23.4	23.2	23.9	24.3	23.2	23.8	23.7	24.3	24.7
12H	23.0	23.5	23.4	24.0	24.5	23.4	23.9	23.8	24.4	24.9
12H 4H	22.0	22.8	22.4	23.2	23.6	22.3	23.1	22.7	23.5	23.9
6H	22.6	23.3	23.1	23.7	24.2	23.0	23.6	23.5	24.1	24.5
8H	22.9	23.4	23.4	23.9	24.4	23.3	23.8	23.8	24.3	24.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 187.0 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -5.8$)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: SENGPU
 Test Date: 2022-11-23

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:0.8360A P:20.060W PF:1.0000 Freq:0Hz Lamp Flux:187.042x1 lm		
NAME: N012120BC1LZ	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

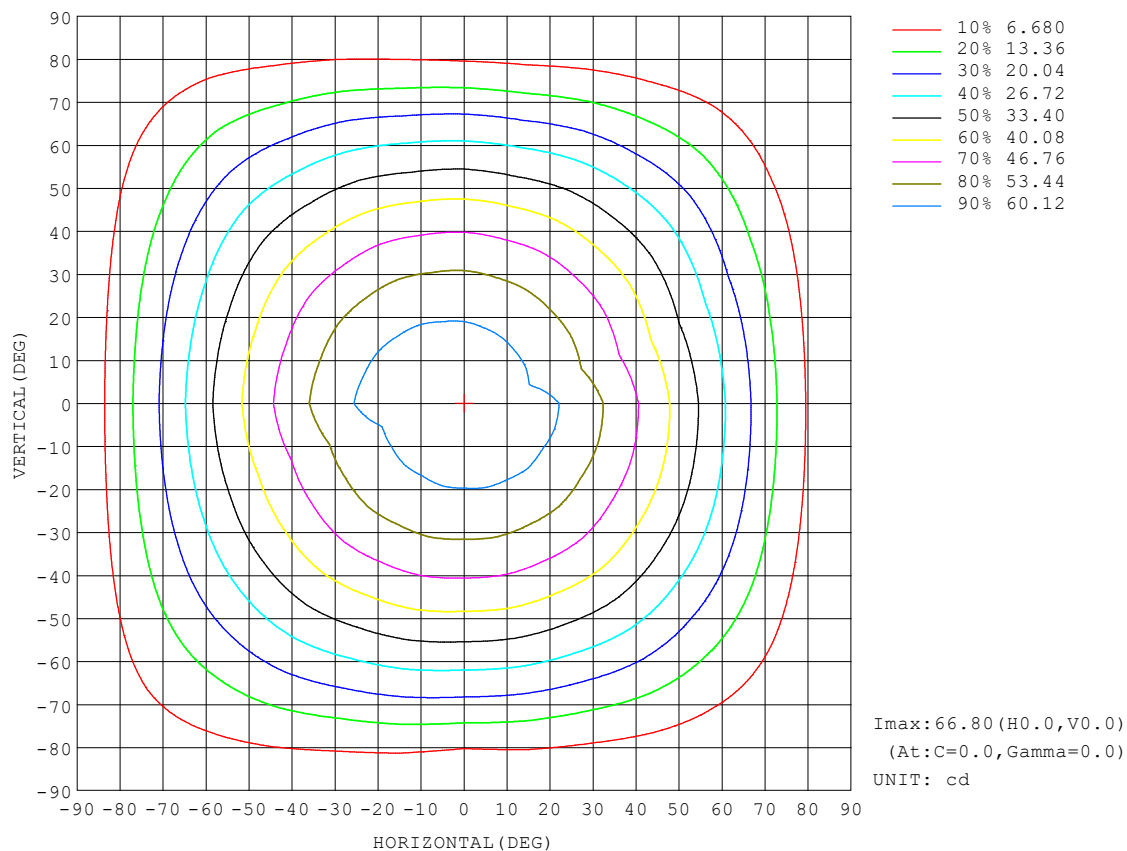
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	41
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	82	77	69
2.50	98	91	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: 15.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: SENGPU
 Test Date: 2022-11-23

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:0.8360A P:20.060W PF:1.0000 Freq:0Hz Lamp Flux:187.042x1 lm		
NAME: N012120BC1LZ	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

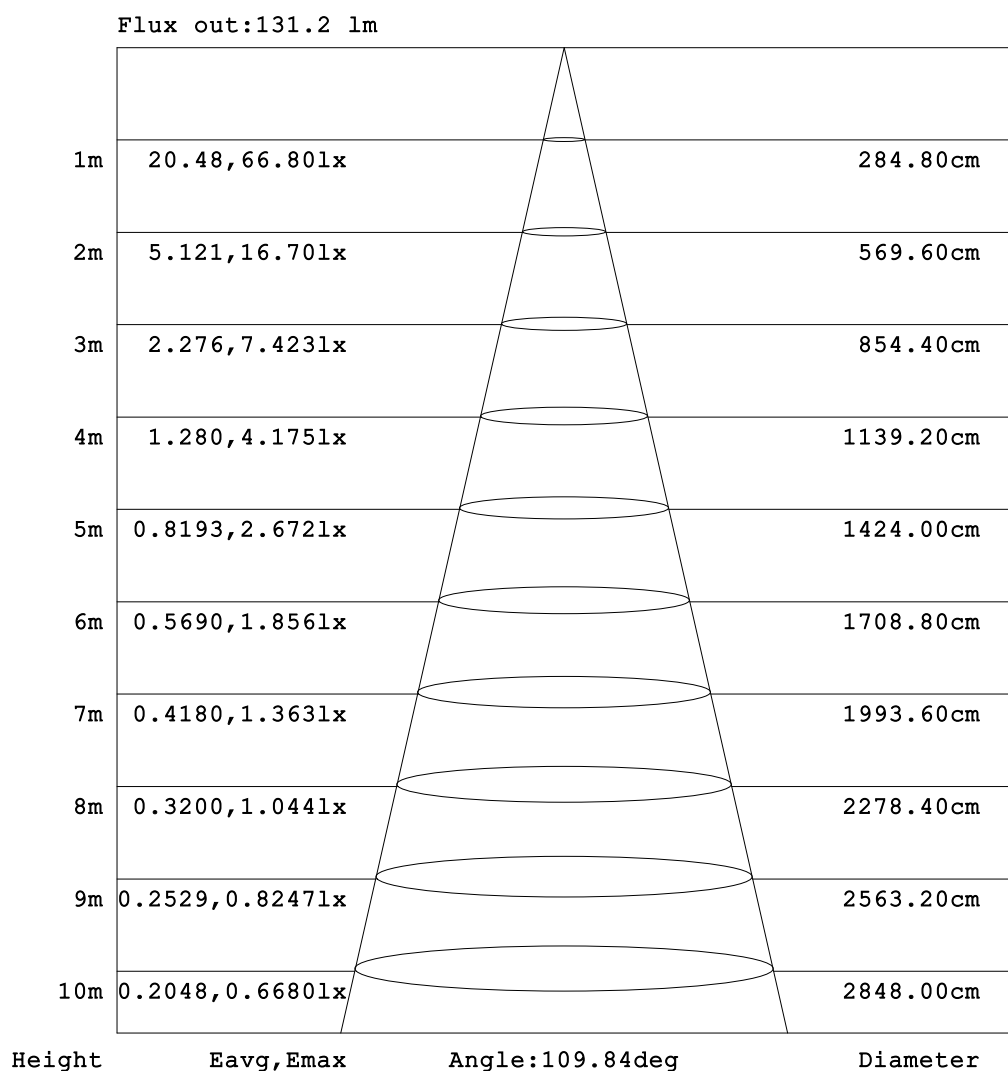


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: SENGPU
Test Date: 2022-11-23

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:0.8360A P:20.060W PF:1.0000 Freq:0Hz Lamp Flux:187.042x1 lm		
NAME: N012120BC1LZ	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



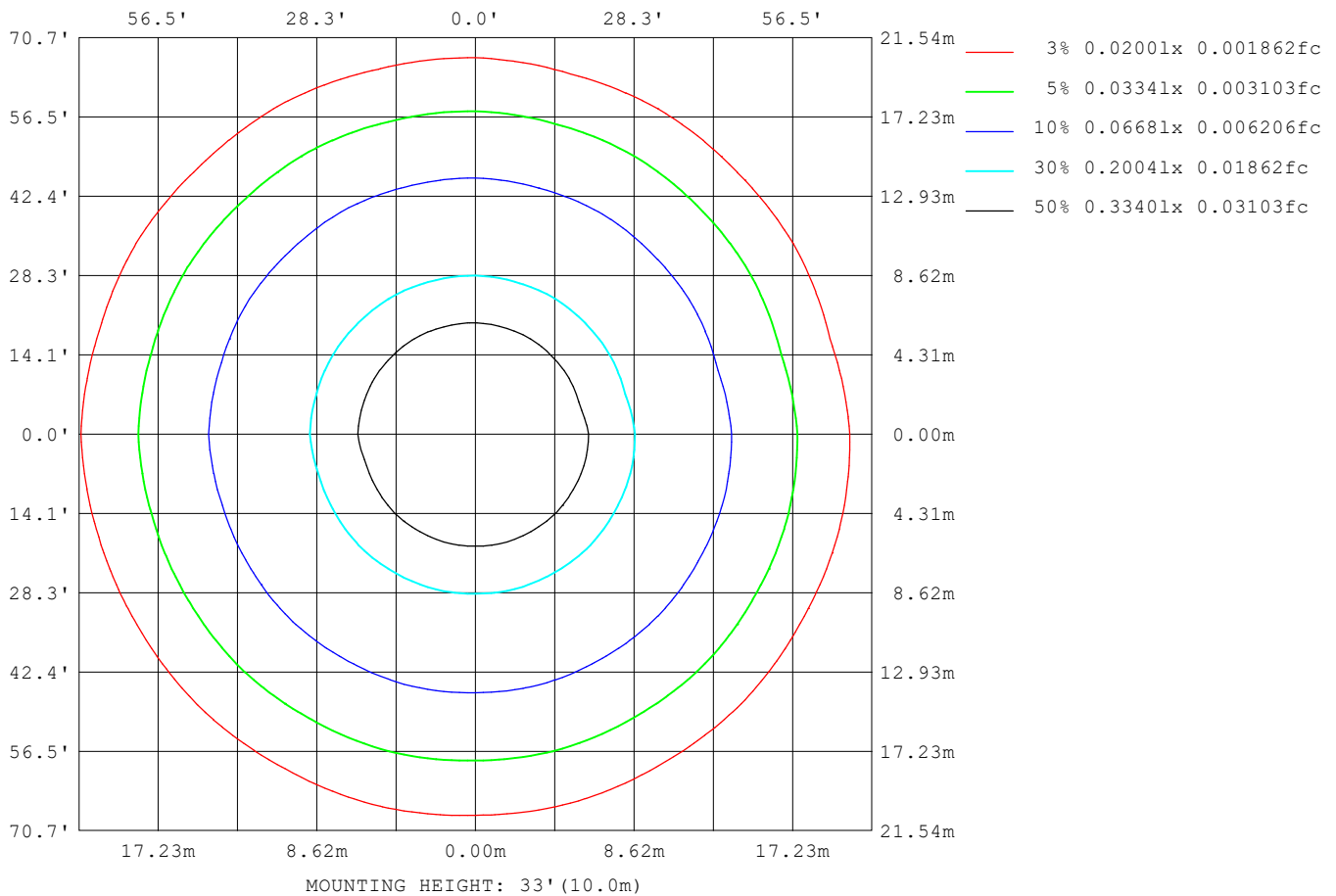
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: SENGPU
 Test Date: 2022-11-23

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:0.8360A P:20.060W PF:1.0000 Freq:0Hz Lamp Flux:187.042x1 lm		
NAME: N012120BC1LZ	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: 2022-11-23

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:0.8360A P:20.060W PF:1.0000 Freq:0Hz Lamp Flux:187.042x1 lm		
NAME: N012120BC1LZ	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

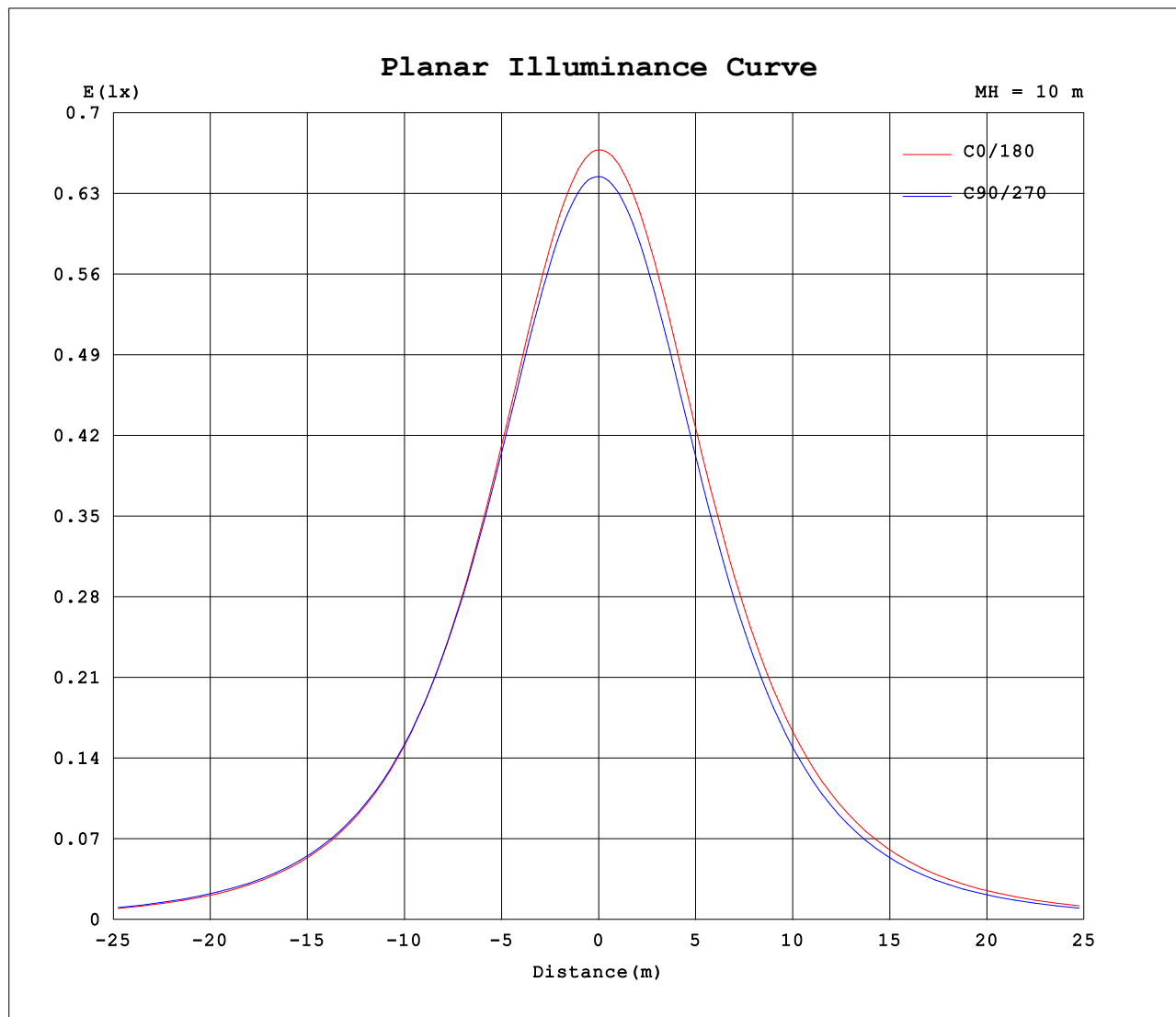
AvgL	cd/m2
L_0~180 (65) av	5742
L_0~180 (75) av	5127
L_0~180 (85) av	4757
L_90~270 (65) av	5442
L_90~270 (75) av	4653
L_90~270 (85) av	2435
L_45 (65) av	5520
L_45 (75) av	4879
L_45 (85) av	4090

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENGPU
Test Date:2022-11-23

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: 2022-11-23

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:0.8360A P:20.060W PF:1.0000 Freq:0Hz Lamp Flux:187.042x1 lm		
NAME: N012120BC1LZ	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	66.8	66.2	65.7	65.4	65.0	64.7	64.5	64.3	64.0	63.9	63.7	63.6	66.8	66.2	65.7	65.4	65.0	64.7	64.5
5	66.3	65.8	65.4	65.0	64.7	64.4	64.3	64.1	63.9	63.7	63.7	63.5	66.7	66.1	65.5	65.2	64.8	64.4	64.2
10	65.2	64.8	64.4	64.1	63.8	63.6	63.4	63.3	63.1	63.1	63.0	62.9	66.0	65.4	64.8	64.4	63.9	63.5	63.2
15	63.5	63.2	62.8	62.7	62.3	62.2	62.0	61.9	61.7	61.8	61.7	61.7	64.7	64.0	63.5	62.9	62.5	62.0	61.7
20	61.2	61.0	60.6	60.6	60.3	60.2	60.0	60.1	59.9	60.0	60.0	60.0	62.9	62.1	61.6	60.9	60.5	59.9	59.7
25	58.4	58.4	57.9	58.0	57.7	57.7	57.5	57.6	57.5	57.8	57.6	57.8	60.5	59.6	59.2	58.4	58.0	57.3	57.1
30	55.2	55.1	54.8	54.9	54.6	54.7	54.5	54.7	54.6	54.9	54.8	55.0	57.5	56.7	56.2	55.4	55.0	54.3	54.0
35	51.4	51.5	51.1	51.4	51.1	51.2	51.1	51.4	51.3	51.6	51.6	51.9	54.2	53.3	52.8	51.9	51.5	50.7	50.5
40	47.3	47.4	47.1	47.4	47.2	47.4	47.3	47.6	47.6	48.0	47.9	48.2	50.4	49.4	49.0	48.1	47.7	46.8	46.5
45	42.8	42.9	42.7	43.1	42.9	43.2	43.1	43.5	43.5	44.0	44.0	44.3	46.2	45.2	44.8	43.9	43.5	42.5	42.3
50	38.0	38.2	38.0	38.5	38.3	38.7	38.6	39.1	39.1	39.7	39.6	40.0	41.7	40.7	40.3	39.3	38.9	38.0	37.7
55	32.9	33.1	33.1	33.5	33.5	33.9	33.8	34.4	34.4	35.0	35.0	35.5	36.8	35.8	35.6	34.4	34.1	33.0	32.8
60	27.6	27.9	27.8	28.4	28.3	28.8	28.8	29.4	29.5	30.2	30.2	30.6	31.8	30.9	30.5	29.5	29.1	28.1	27.7
65	22.0	22.4	22.4	23.0	23.0	23.5	23.5	24.2	24.4	25.1	25.1	25.6	26.5	25.5	25.3	24.1	23.8	22.7	22.5
70	16.4	16.9	16.9	17.5	17.6	18.1	18.1	18.9	19.1	19.8	19.9	20.4	21.0	20.2	19.9	18.9	18.4	17.4	17.0
75	11.0	11.4	11.5	12.0	12.1	12.7	12.5	13.5	13.8	14.5	14.7	15.2	15.5	14.7	14.5	13.4	13.0	12.0	11.5
80	6.21	6.51	6.63	7.01	7.08	7.49	6.94	8.29	8.61	9.34	9.56	10.0	10.2	9.55	9.24	8.30	7.85	6.90	6.20
85	2.86	2.99	3.09	3.18	3.14	3.22	2.41	3.74	4.16	4.77	5.07	5.45	5.43	5.04	4.72	4.06	3.49	2.77	1.83
90	1.47	1.46	1.54	1.42	0.95	0.59	0.05	0.62	1.02	1.72	2.03	2.21	2.18	2.09	1.88	1.57	0.72	0.44	0.02
95	1.24	1.19	1.25	1.13	0.46	0.16	0.04	0.12	0.23	0.79	0.89	0.84	0.86	0.95	0.88	0.88	0.15	0.11	0.02
100	1.17	1.18	1.18	1.12	0.44	0.16	0.05	0.09	0.20	0.73	0.72	0.65	0.69	0.75	0.77	0.70	0.15	0.07	0.02
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: 2022-11-23

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:0.8360A P:20.060W PF:1.0000 Freq:0Hz Lamp Flux:187.042x1 lm		
NAME: N012120BC1LZ	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	64.3	64.0	63.9	63.7	63.6													
5	63.9	63.6	63.5	63.3	63.2													
10	62.9	62.7	62.5	62.3	62.1													
15	61.4	61.1	60.9	60.7	60.4													
20	59.3	59.0	58.7	58.6	58.2													
25	56.6	56.4	56.1	56.0	55.5													
30	53.5	53.3	52.9	52.8	52.3													
35	49.9	49.8	49.4	49.3	48.8													
40	46.0	45.9	45.4	45.3	44.8													
45	41.7	41.6	41.1	41.1	40.4													
50	37.1	37.0	36.5	36.5	35.9													
55	32.0	32.1	31.5	31.6	30.9													
60	27.1	27.0	26.5	26.5	25.9													
65	21.6	21.7	21.1	21.2	20.5													
70	16.3	16.3	15.9	15.9	15.3													
75	10.8	10.9	10.5	10.6	10.0													
80	5.78	5.93	5.74	5.89	5.58													
85	1.84	2.05	2.25	2.48	2.48													
90	0.23	0.48	0.98	1.14	1.27													
95	0.15	0.36	0.86	0.98	1.08													
100	0.11	0.35	0.82	0.98	1.02													
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:2022-11-23

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: