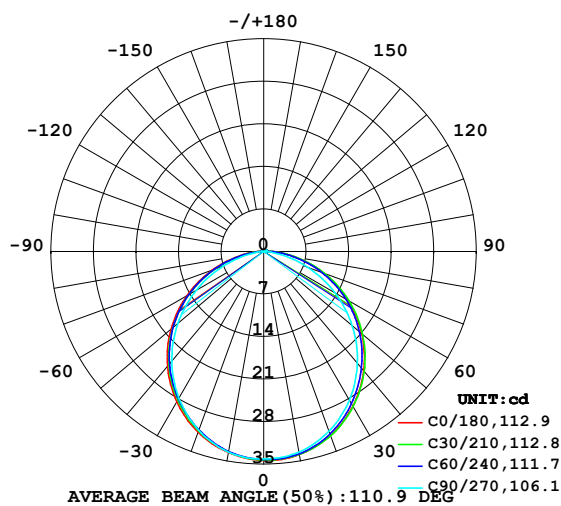


LUMINAIRE PHOTOMETRIC TEST REPORT

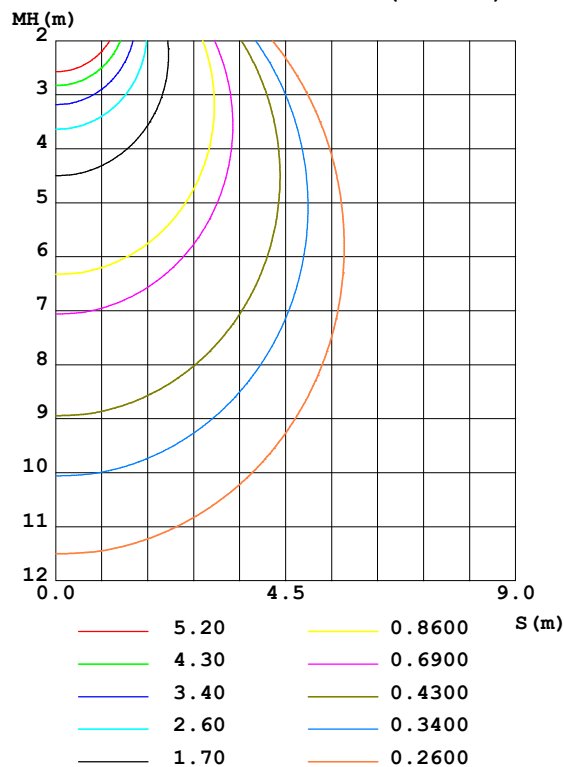
Test:U:12.00V I:0.3973A P:4.768W PF:1.000 Freq:50.00Hz Lamp Flux:98.197x1 lm		
NAME: SF15-12V-3528-72-2200-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122204
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 20.60 lm/W			
MODEL	3528	I _{max} (cd)	34.39	S/MH (C0/180)	1.24
NOMINAL POWER (W)	5	LOR (%)	100.0	S/MH (C90/270)	1.22
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	98.197	η UP, DN (C0-180)	0.7, 49.5
NOMINAL FLUX (lm)	98.197	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.5, 49.2
LAMPS INSIDE	1	η up (%)	1.3	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	12	η down (%)	98.7	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: 25.3DEG
Operators: LPC
Test Date: 2021-12-22

γ Range: 0 - 120DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 9.200m [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	33.93	33.86	33.53	33.18	33.60	33.45	33.51	33.76	0- 10	3.237	3.237	3.3,3.3
20	32.22	32.12	31.45	31.02	31.62	31.32	31.30	32.00	10- 20	9.243	12.48	12.7,12.7
30	29.39	29.19	28.23	27.82	28.57	28.16	27.92	29.12	20- 30	13.92	26.40	26.9,26.9
40	25.61	25.39	23.98	23.77	24.63	24.18	23.55	25.42	30- 40	16.69	43.09	43.9,43.9
50	21.08	20.90	19.02	19.04	19.90	19.52	18.43	21.17	40- 50	17.25	60.34	61.5,61.5
60	15.99	15.90	13.49	13.78	14.62	14.25	12.82	16.22	50- 60	15.57	75.91	77.3,77.3
70	10.54	10.49	7.759	8.182	9.025	8.629	7.066	10.89	60- 70	11.89	87.80	89.4,89.4
80	5.131	5.109	2.493	3.076	3.785	3.347	1.873	5.460	70- 80	6.878	94.68	96.4,96.4
90	1.389	1.136	0.3016	0.6082	0.7374	0.5105	0.1518	1.227	80- 90	2.244	96.93	98.7,98.7
100	0.4426	0.4750	0.3519	0.5283	0.4204	0.3603	0.1557	0.3499	90-100	0.5561	97.48	99.3,99.3
110	0.4423	0.4874	0.4131	0.4049	0.3736	0.2831	0.2238	0.3338	100-110	0.4061	97.89	99.7,99.7
120	0.0565	0.1403	0.1458	0.0833	0.1084	0.0919	0.2965	0.0860	110-120	0.2988	98.19	100,100
130	0	0	0	0	0	0	0	0	120-130	0.0093	98.20	100,100
140	0	0	0	0	0	0	0	0	130-140	0	98.20	100,100
150	0	0	0	0	0	0	0	0	140-150	0	98.20	100,100
160	0	0	0	0	0	0	0	0	150-160	0	98.20	100,100
170	0	0	0	0	0	0	0	0	160-170	0	98.20	100,100
180	0	0	0	0	0	0	0	0	170-180	0	98.20	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 51.786 lm

%lum = 52.7%

%lamp = 52.7%

Conical surface Flux(120deg): 75.915 lm

%lum = 77.3%

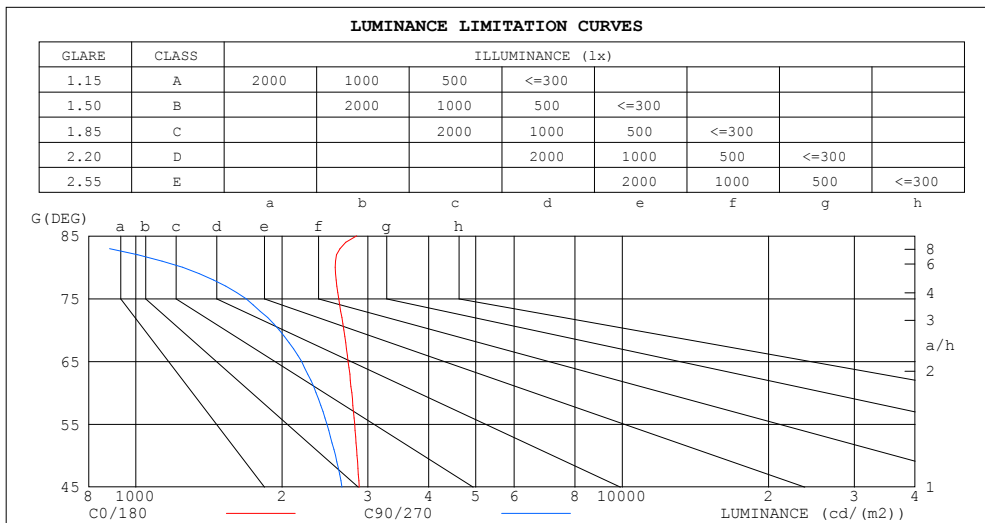
%lamp = 77.3%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-22

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:12.00V I:0.3973A P:4.768W PF:1.000 Freq:50.00Hz Lamp Flux:98.197x1 lm		
NAME: SF15-12V-3528-72-2200-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122204
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2847	580
80	2570	1249
75	2612	1685
70	2680	1973
65	2733	2191
60	2781	2347
55	2818	2472
50	2852	2573
45	2881	2655

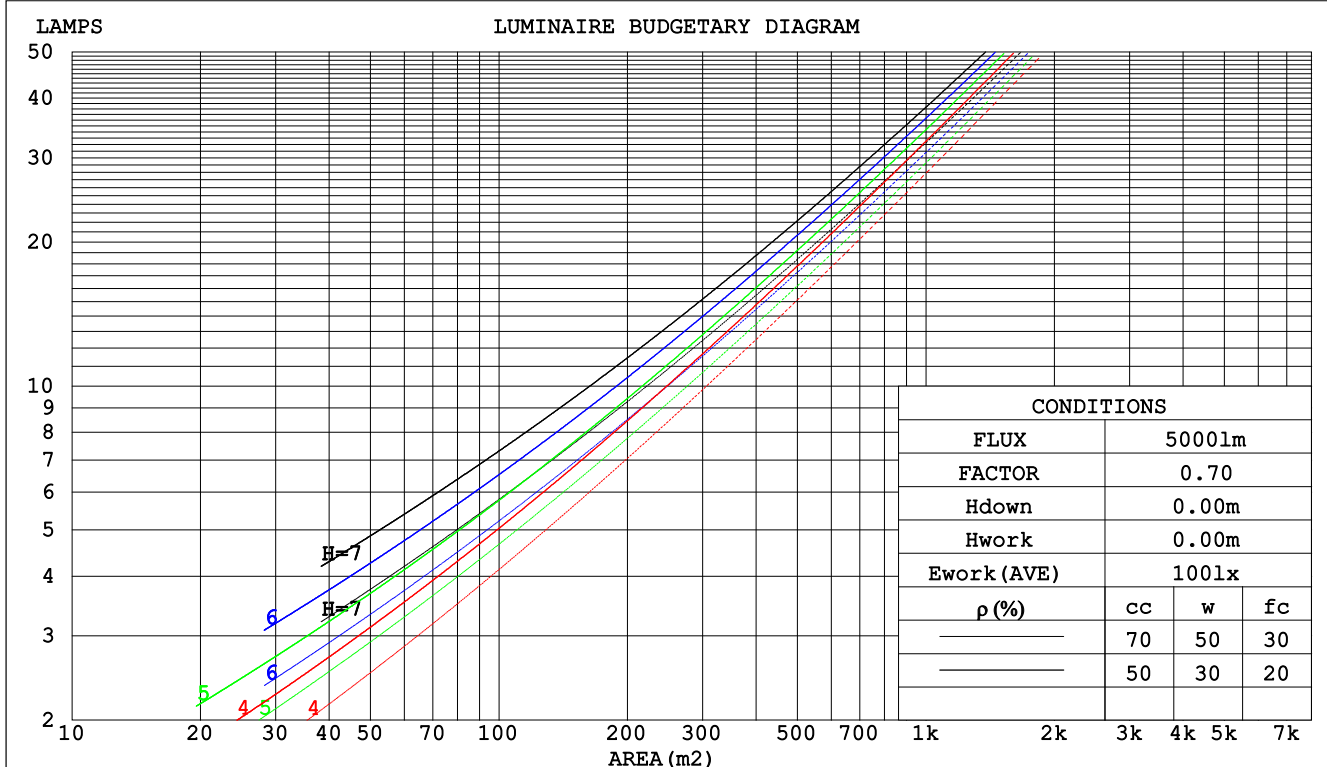
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-22

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:12.00V I:0.3973A P:4.768W PF:1.000 Freq:50.00Hz Lamp Flux:98.197x1 lm		
NAME: SF15-12V-3528-72-2200-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122204
MFR.: OLYMPIA	SUR.:1*0.0115	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	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.90	.87	.89	.86	.84	.82
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.76	.72	.77	.74	.71	.68
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.71	.66	.61	.68	.64	.60	.57
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.51	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.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	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-22

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:12.00V I:0.3973A P:4.768W PF:1.000 Freq:50.00Hz Lamp Flux:98.197x1 lm					
NAME: SF15-12V-3528-72-2200-80			TYPE: 硅胶		WEIGHT:
SPEC.:			DIM.: 21mm*11.5mm		SERIAL No.:2021122204
MFR.: OLYMPIA			SUR.:1*0.0115		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 Coeffcients (WEC)										
0.0																	
1.0	.314	.178	.057	.306	.175	.055	.292	.168	.054	.279	.161	.052	.267	.155	.050		
2.0	.293	.161	.049	.287	.158	.049	.274	.153	.047	.263	.147	.046	.252	.143	.045		
3.0	.271	.144	.043	.265	.142	.043	.254	.138	.042	.244	.134	.041	.234	.130	.040		
4.0	.249	.130	.038	.244	.128	.038	.235	.124	.037	.225	.121	.037	.217	.118	.036		
5.0	.230	.117	.034	.226	.116	.034	.217	.113	.033	.209	.110	.033	.201	.108	.032		
6.0	.214	.107	.031	.209	.106	.030	.202	.103	.030	.194	.101	.030	.188	.099	.029		
7.0	.199	.098	.028	.195	.097	.028	.188	.095	.027	.182	.093	.027	.175	.091	.027		
8.0	.186	.091	.025	.182	.090	.025	.176	.088	.025	.170	.086	.025	.165	.084	.025		
9.0	.174	.084	.023	.171	.083	.023	.165	.082	.023	.160	.080	.023	.155	.079	.023		
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.021	.151	.075	.021	.146	.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	.200	.200	.200	.171	.171	.171	.117	.117	.117	.067	.067	.067	.021	.021	.021	
1.0	.191	.166	.144	.163	.143	.124	.111	.098	.086	.064	.057	.050	.021	.018	.016	
2.0	.182	.142	.108	.156	.122	.093	.107	.085	.065	.062	.049	.038	.020	.016	.012	
3.0	.175	.124	.084	.150	.107	.073	.103	.075	.051	.059	.044	.030	.019	.014	.010	
4.0	.167	.111	.068	.143	.096	.059	.099	.067	.042	.057	.039	.025	.018	.013	.008	
5.0	.160	.101	.057	.137	.087	.050	.094	.061	.035	.055	.036	.021	.018	.012	.007	
6.0	.152	.092	.049	.131	.080	.043	.090	.056	.030	.052	.033	.018	.017	.011	.006	
7.0	.146	.085	.043	.125	.074	.038	.087	.052	.027	.050	.031	.016	.016	.010	.005	
8.0	.139	.080	.039	.120	.069	.034	.083	.049	.024	.048	.029	.014	.016	.009	.005	
9.0	.133	.075	.035	.115	.065	.031	.079	.046	.022	.046	.027	.013	.015	.009	.004	
10.0	.127	.071	.033	.110	.061	.029	.076	.043	.020	.044	.025	.012	.014	.008	.004	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-22

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:12.00V I:0.3973A P:4.768W PF:1.000 Freq:50.00Hz Lamp Flux:98.197x1 lm										
NAME: SF15-12V-3528-72-2200-80					TYPE: 硅胶			WEIGHT:		
SPEC.:					DIM.: 21mm*11.5mm			SERIAL No.:2021122204		
MFR.: OLYMPIA					SUR.:1*0.0115			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	24.7	26.2	25.0	26.5	26.7	24.2	25.7	24.5	25.9	26.2
3H	26.4	27.8	26.7	28.1	28.3	25.6	27.0	25.9	27.2	27.5
4H	27.1	28.4	27.5	28.7	29.0	26.1	27.4	26.4	27.7	28.0
6H	27.7	29.0	28.1	29.2	29.6	26.3	27.6	26.7	27.9	28.2
8H	27.9	29.1	28.3	29.4	29.8	26.4	27.6	26.7	27.9	28.2
12H	28.1	29.3	28.5	29.6	29.9	26.4	27.5	26.7	27.8	28.2
4H 2H	25.4	26.7	25.7	27.0	27.2	25.0	26.3	25.3	26.6	26.9
3H	27.3	28.4	27.6	28.7	29.1	26.6	27.8	27.0	28.1	28.4
4H	28.1	29.2	28.5	29.5	29.9	27.3	28.3	27.7	28.7	29.0
6H	28.8	29.8	29.3	30.2	30.6	27.7	28.6	28.1	29.0	29.4
8H	29.1	30.0	29.6	30.4	30.8	27.8	28.7	28.2	29.0	29.5
12H	29.4	30.2	29.8	30.6	31.0	27.8	28.6	28.3	29.0	29.5
8H 4H	28.4	29.3	28.9	29.7	30.1	27.7	28.6	28.1	29.0	29.4
6H	29.4	30.1	29.8	30.5	31.0	28.3	29.1	28.8	29.5	30.0
8H	29.8	30.4	30.2	30.9	31.3	28.6	29.2	29.0	29.7	30.1
12H	30.1	30.7	30.6	31.2	31.7	28.7	29.2	29.2	29.7	30.2
12H 4H	28.4	29.3	28.9	29.7	30.1	27.7	28.6	28.2	29.0	29.4
6H	29.4	30.1	29.9	30.5	31.0	28.5	29.1	29.0	29.6	30.1
8H	29.9	30.5	30.4	30.9	31.4	28.8	29.3	29.3	29.8	30.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.5				

CIE Pub.117, 98.20 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -8.1)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-22

γ Range: 0 - 120DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:12.00V I:0.3973A P:4.768W PF:1.000 Freq:50.00Hz Lamp Flux:98.197x1 lm		
NAME: SF15-12V-3528-72-2200-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122204
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

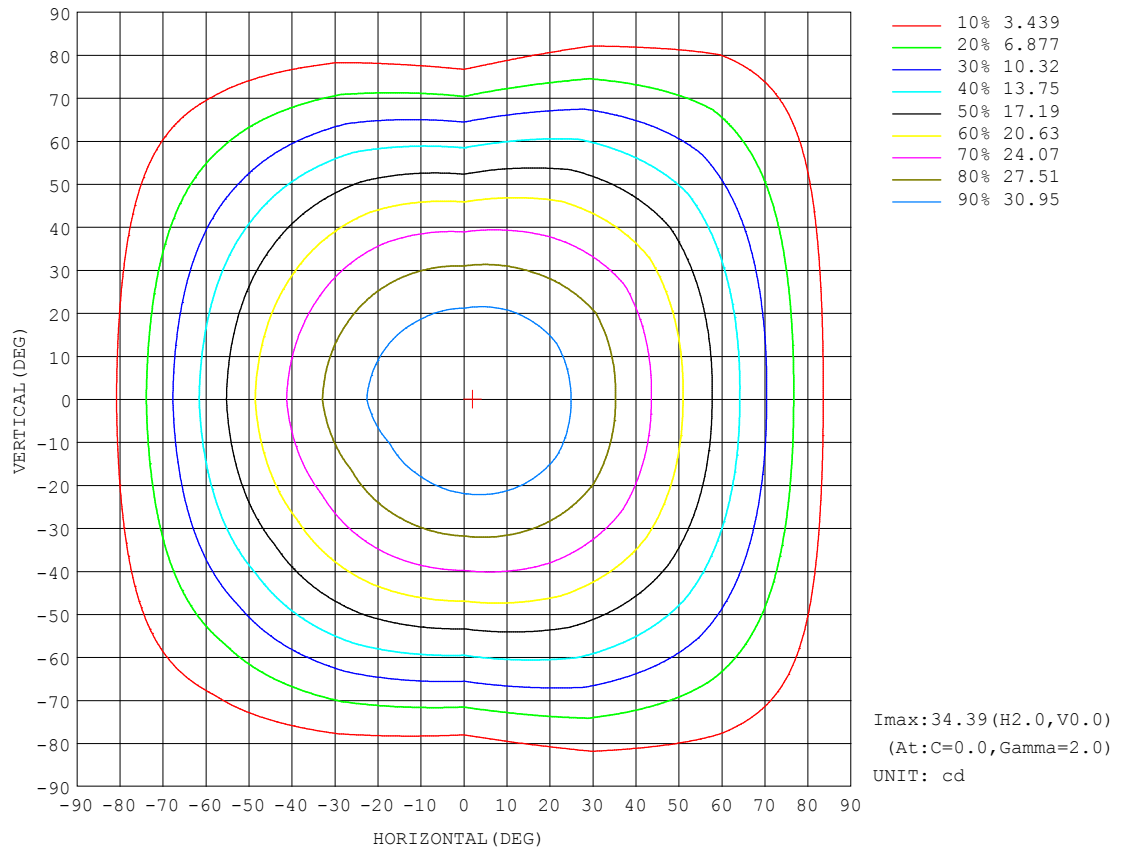
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	56	72	65	56	49
1.25	82	72	65	81	71	64	78	70	63	56
1.50	87	77	70	86	76	70	83	75	69	61
2.00	94	86	79	92	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	99	93	88	95	90	85	77
4.00	106	100	95	103	98	94	99	94	91	82
5.00	108	103	99	106	101	97	101	97	94	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: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-22

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 9.200m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:12.00V I:0.3973A P:4.768W PF:1.000 Freq:50.00Hz Lamp Flux:98.197x1 lm		
NAME: SF15-12V-3528-72-2200-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122204
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

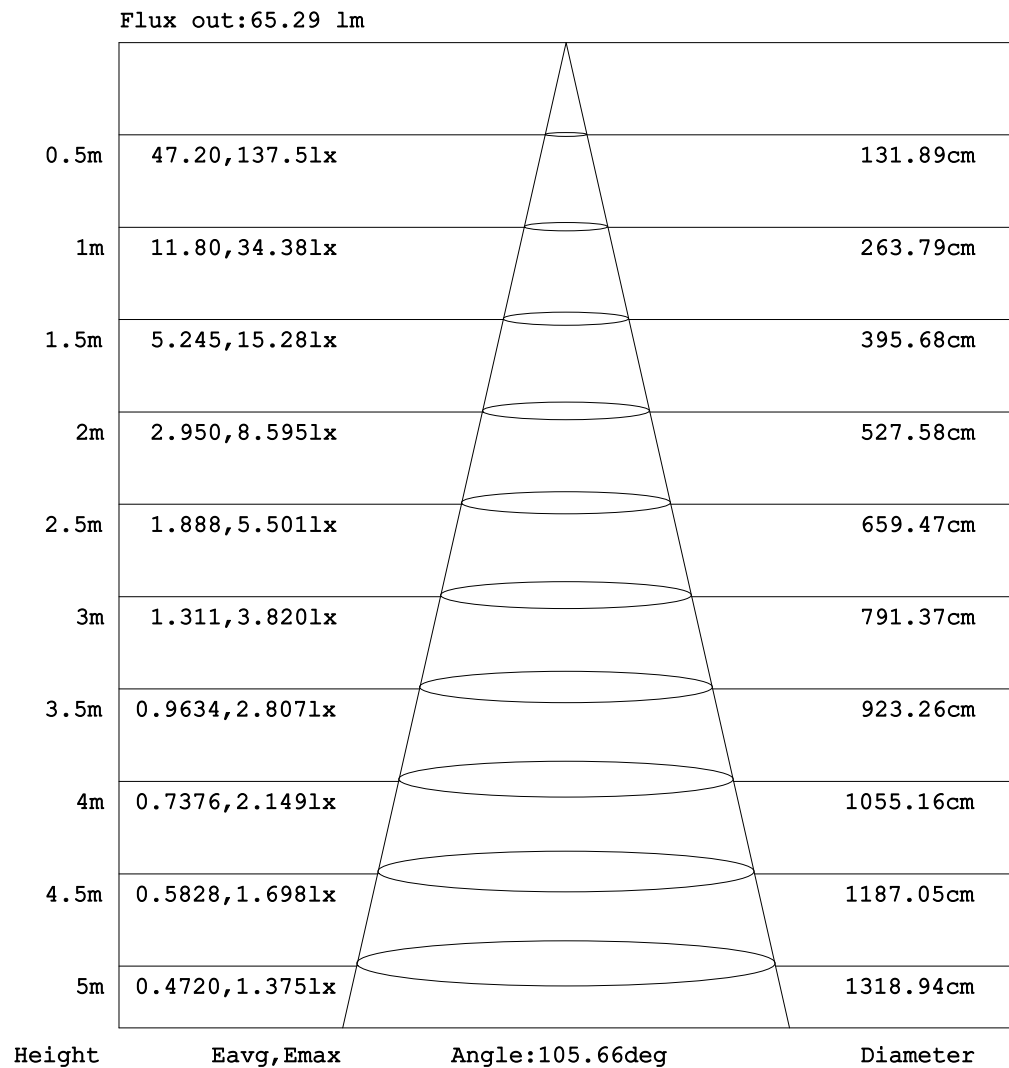


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-12-22

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

AAI Figure

Test:U:12.00V I:0.3973A P:4.768W PF:1.000 Freq:50.00Hz Lamp Flux:98.197x1 lm		
NAME: SF15-12V-3528-72-2200-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122204
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



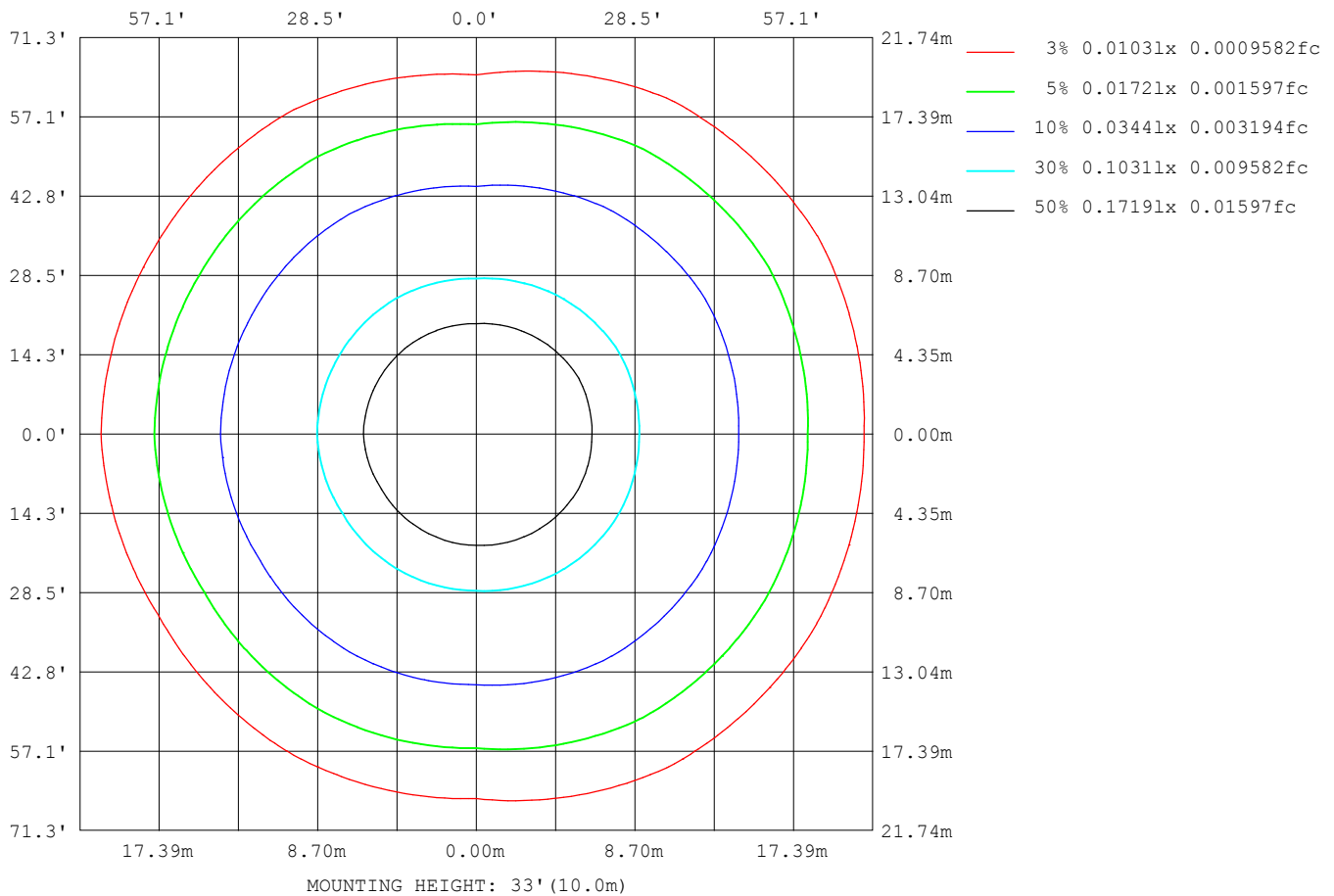
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-22

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:12.00V I:0.3973A P:4.768W PF:1.000 Freq:50.00Hz Lamp Flux:98.197x1 lm		
NAME: SF15-12V-3528-72-2200-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122204
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-22

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:12.00V I:0.3973A P:4.768W PF:1.000 Freq:50.00Hz Lamp Flux:98.197x1 lm		
NAME: SF15-12V-3528-72-2200-80	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122204
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

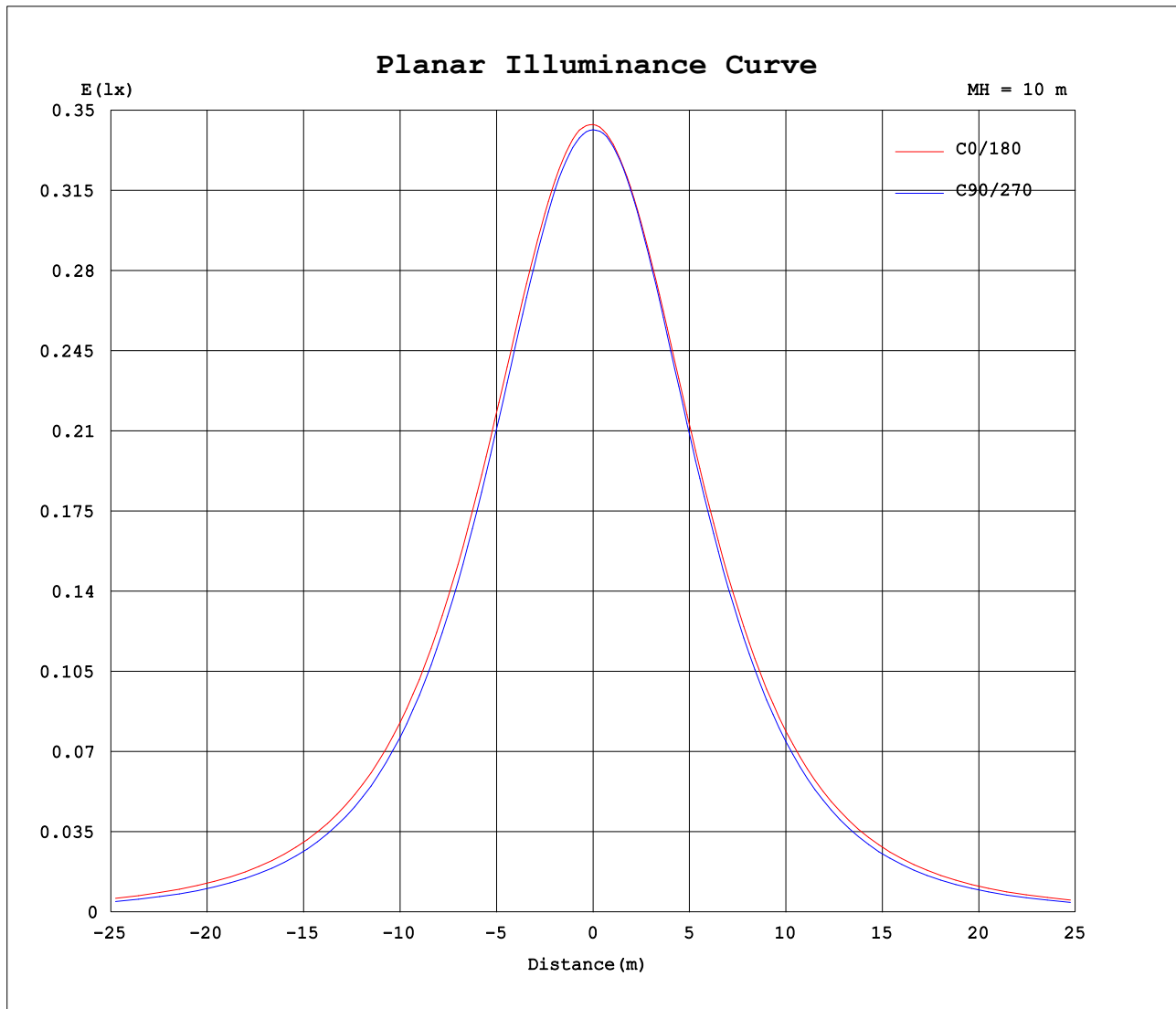
AvgL	cd/m2
L_0~180 (65) av	2583
L_0~180 (75) av	2359
L_0~180 (85) av	2365
L_90~270 (65) av	2120
L_90~270 (75) av	1565
L_90~270 (85) av	431
L_45 (65) av	2556
L_45 (75) av	2330
L_45 (85) av	2223

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-22

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-12-22

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.00V I:0.3973A P:4.768W PF:1.000 Freq:50.00Hz Lamp Flux:98.197x1 lm		
NAME: SF15-12V-3528-72-2200-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122204
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	34.4	34.3	34.2	34.1	34.1	34.1	34.4	34.3	34.2	34.1	34.1	34.1						
5	34.4	34.3	34.2	34.0	33.9	33.7	34.1	34.1	34.0	34.0	34.1	34.1						
10	33.9	33.9	33.8	33.5	33.3	33.1	33.6	33.5	33.4	33.5	33.7	33.8						
15	33.2	33.2	33.1	32.7	32.3	32.2	32.8	32.6	32.5	32.6	32.9	33.2						
20	32.2	32.3	32.0	31.5	31.1	31.0	31.6	31.4	31.2	31.3	31.8	32.2						
25	30.9	31.0	30.6	30.0	29.6	29.5	30.2	30.0	29.8	29.7	30.4	30.9						
30	29.4	29.5	28.9	28.2	27.9	27.7	28.6	28.3	28.1	27.9	28.7	29.6						
35	27.6	27.7	27.1	26.2	26.0	25.8	26.7	26.4	26.2	25.8	26.8	27.9						
40	25.6	25.8	25.0	24.0	23.9	23.7	24.6	24.2	24.1	23.6	24.8	26.0						
45	23.4	23.6	22.9	21.6	21.6	21.4	22.3	22.0	21.9	21.1	22.8	23.9						
50	21.1	21.2	20.6	19.0	19.2	18.9	19.9	19.6	19.5	18.4	20.7	21.7						
55	18.6	18.8	18.1	16.3	16.6	16.3	17.3	17.0	16.9	15.7	18.3	19.2						
60	16.0	16.2	15.6	13.5	14.0	13.6	14.6	14.2	14.3	12.8	15.8	16.7						
65	13.3	13.5	12.9	10.6	11.2	10.8	11.8	11.4	11.5	9.96	13.1	14.1						
70	10.5	10.8	10.2	7.76	8.36	8.01	9.03	8.57	8.69	7.07	10.4	11.4						
75	7.78	8.02	7.52	5.02	5.61	5.34	6.27	5.82	5.91	4.30	7.68	8.61						
80	5.13	5.33	4.89	2.49	3.14	3.01	3.78	3.37	3.33	1.87	5.02	5.91						
85	2.85	2.93	2.51	0.58	1.33	1.41	1.89	1.59	1.32	0.28	2.57	3.43						
90	1.39	1.32	0.95	0.30	0.59	0.63	0.74	0.62	0.40	0.15	0.86	1.59						
95	0.66	0.59	0.51	0.32	0.55	0.57	0.46	0.42	0.35	0.15	0.37	0.67						
100	0.44	0.47	0.48	0.35	0.53	0.53	0.42	0.38	0.34	0.16	0.36	0.34						
105	0.44	0.48	0.46	0.39	0.48	0.41	0.38	0.30	0.32	0.21	0.31	0.35						
110	0.44	0.50	0.47	0.41	0.52	0.29	0.37	0.21	0.36	0.22	0.35	0.32						
115	0.34	0.51	0.45	0.43	0.41	0.17	0.38	0.12	0.37	0.24	0.35	0.18						
120	0.06	0.21	0.07	0.15	0.12	0.05	0.11	0.03	0.15	0.30	0.14	0.03						
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						
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						
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						
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						
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						
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						
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						
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						
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						
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						
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						
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						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-22

γ Range: 0 - 120DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

Photometric Data Table [cd]

G/C	0.0	30.0	60.0	90.0	120.0	150.0	180.0	210.0	240.0	270.0
0.0	34.38	34.32	34.22	34.14	34.12	34.05	34.38	34.32	34.22	34.14
3.0	34.39	34.31	34.23	34.08	34.02	33.89	34.28	34.22	34.11	34.13
6.0	34.29	34.21	34.15	33.92	33.78	33.61	34.06	33.98	33.88	33.97
9.0	34.05	33.99	33.91	33.65	33.42	33.23	33.73	33.63	33.55	33.67
12.0	33.68	33.66	33.55	33.21	32.95	32.73	33.29	33.16	33.07	33.19
15.0	33.22	33.22	33.05	32.66	32.35	32.16	32.76	32.59	32.46	32.58
18.0	32.64	32.70	32.44	31.98	31.62	31.46	32.12	31.95	31.76	31.89
21.0	31.98	32.03	31.70	31.20	30.81	30.66	31.36	31.13	30.95	30.99
24.0	31.20	31.29	30.86	30.31	29.91	29.80	30.55	30.28	30.06	30.10
27.0	30.34	30.40	29.93	29.32	28.94	28.78	29.59	29.30	29.09	29.00
30.0	29.39	29.46	28.92	28.23	27.89	27.75	28.57	28.27	28.06	27.92
33.0	28.34	28.44	27.80	27.07	26.77	26.60	27.47	27.19	26.96	26.71
36.0	27.23	27.32	26.66	25.76	25.58	25.37	26.31	25.97	25.78	25.40
39.0	26.03	26.15	25.43	24.47	24.32	24.11	25.05	24.70	24.54	24.01
42.0	24.76	24.91	24.17	23.08	22.99	22.75	23.74	23.39	23.24	22.57
45.0	23.43	23.62	22.86	21.59	21.62	21.36	22.34	21.98	21.87	21.08
48.0	22.04	22.22	21.49	20.08	20.17	19.91	20.90	20.52	20.45	19.51
51.0	20.60	20.79	20.09	18.49	18.69	18.38	19.40	19.02	18.97	17.89
54.0	19.10	19.28	18.64	16.87	17.15	16.83	17.85	17.49	17.44	16.26
57.0	17.56	17.78	17.13	15.20	15.57	15.24	16.26	15.82	15.88	14.55
60.0	15.99	16.20	15.60	13.49	13.96	13.59	14.62	14.25	14.26	12.82
63.0	14.39	14.58	14.02	11.78	12.30	11.91	12.95	12.55	12.60	11.12
66.0	12.74	12.98	12.37	10.08	10.60	10.26	11.28	10.84	10.94	9.379
69.0	11.09	11.33	10.76	8.332	8.946	8.554	9.573	9.162	9.242	7.654
72.0	9.430	9.659	9.138	6.638	7.273	6.905	7.889	7.504	7.562	5.962
75.0	7.776	8.022	7.519	5.016	5.610	5.338	6.267	5.815	5.910	4.298
78.0	6.172	6.388	5.916	3.458	4.141	3.866	4.719	4.307	4.317	2.744
81.0	4.633	4.805	4.372	2.036	2.708	2.620	3.358	2.969	2.855	1.461
84.0	3.247	3.373	2.950	0.8864	1.602	1.651	2.213	1.873	1.635	0.4605
87.0	2.160	2.163	1.728	0.3214	0.9017	0.9938	1.335	1.113	0.8124	0.1813
90.0	1.389	1.325	0.9469	0.3016	0.5886	0.6278	0.7374	0.6242	0.3967	0.1518
93.0	0.8808	0.8079	0.5937	0.3166	0.5509	0.5721	0.4828	0.4325	0.3617	0.1530
96.0	0.5838	0.5171	0.5026	0.3318	0.5425	0.5638	0.4560	0.4122	0.3446	0.1542
99.0	0.4426	0.4574	0.4876	0.3468	0.5296	0.5556	0.4293	0.4021	0.3382	0.1553
102.0	0.4425	0.4725	0.4726	0.3772	0.5166	0.4831	0.4025	0.3497	0.3317	0.1959
105.0	0.4424	0.4826	0.4576	0.3907	0.4827	0.4106	0.3758	0.2972	0.3218	0.2146
108.0	0.4423	0.4975	0.4623	0.4041	0.5050	0.3382	0.3702	0.2448	0.3520	0.2201
111.0	0.4422	0.5026	0.4772	0.4176	0.5273	0.2657	0.3748	0.1923	0.3586	0.2256
114.0	0.3957	0.5105	0.5226	0.4172	0.4735	0.1932	0.3784	0.1399	0.3653	0.2311
117.0	0.2261	0.5148	0.2986	0.3644	0.2960	0.1208	0.2711	0.0874	0.3719	0.2713
120.0	0.0565	0.2059	0.0747	0.1458	0.1184	0.0483	0.1084	0.0350	0.1488	0.2965
G/C	300.0	330.0								
0.0	34.12	34.05								
3.0	34.11	34.12								
6.0	34.01	34.11								
9.0	33.79	33.93								
12.0	33.41	33.63								
15.0	32.91	33.19								
18.0	32.29	32.67								
21.0	31.55	31.95								
24.0	30.69	31.23								
27.0	29.74	30.36								
30.0	28.69	29.55								
33.0	27.58	28.58								
36.0	26.40	27.54								
39.0	25.21	26.40								
42.0	24.03	25.19								
45.0	22.82	23.93								
48.0	21.57	22.58								
51.0	20.21	21.19								
54.0	18.77	19.76								
57.0	17.28	18.25								
60.0	15.76	16.69								
63.0	14.19	15.13								
66.0	12.58	13.55								
69.0	10.96	11.90								
72.0	9.317	10.27								
75.0	7.684	8.610								
78.0	6.066	6.946								
81.0	4.493	5.392								
84.0	3.020	3.885								
87.0	1.741	2.562								
90.0	0.8625	1.591								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-22

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 9.200m [K=1.0000]
 Remarks:

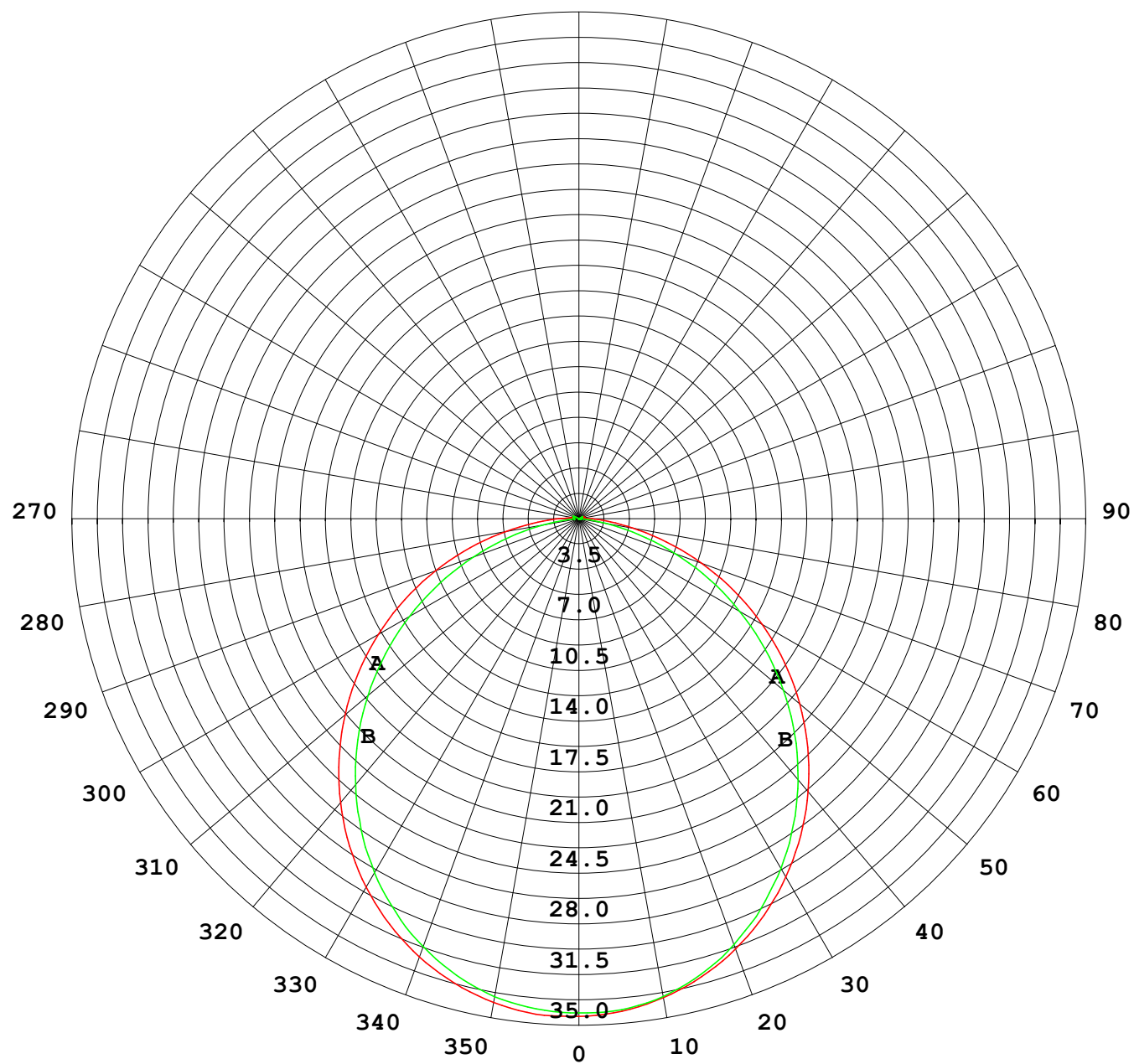
Photometric Data Table [cd]

93.0	0.4365	0.9464
96.0	0.3699	0.5739
99.0	0.3614	0.3874
102.0	0.3502	0.3443
105.0	0.3066	0.3475
108.0	0.3419	0.3506
111.0	0.3469	0.2931
114.0	0.3518	0.2052
117.0	0.3567	0.1172
120.0	0.1427	0.0293

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-12-22

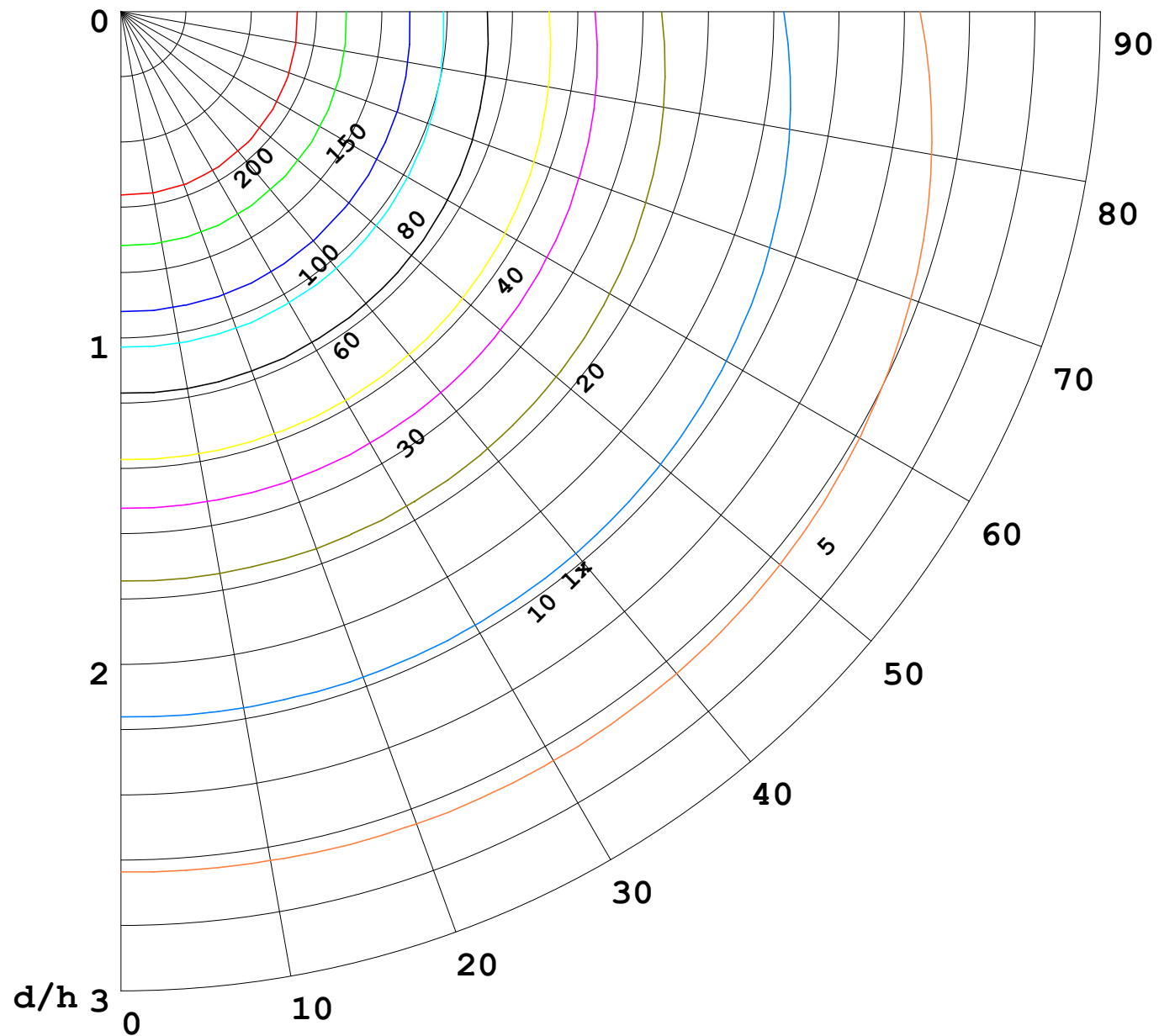
γ Range: 0 - 120DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

I (cd)



1000 lm

$\kappa = 1$



F = 5000 lm
 K = 0.7
 Hcc = 0.0 m
 Hfc = 0.0 m
 Eave = 100 lx

	Pcc	Pw	Pfc
—	70	50	30
—	50	30	20

