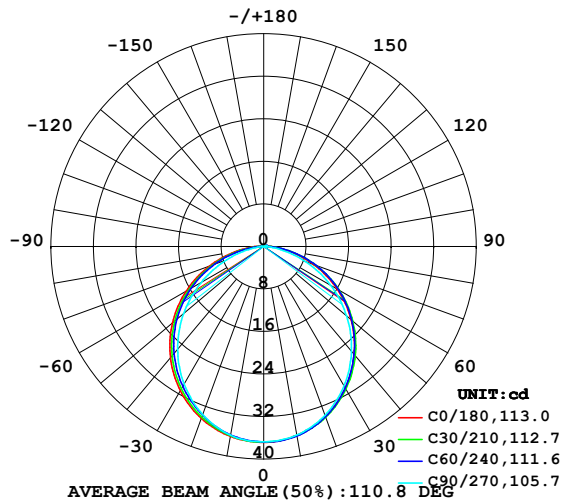


LUMINAIRE PHOTOMETRIC TEST REPORT

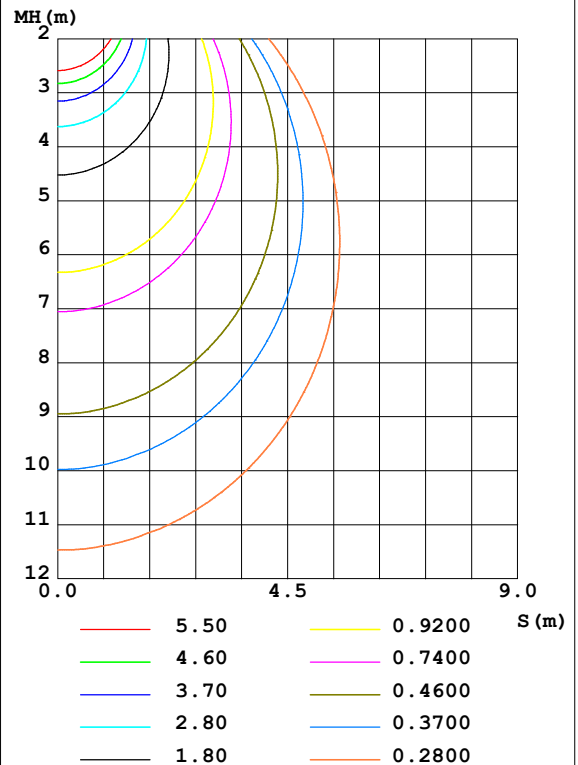
Test:U:12.00V I:0.3958A P:4.750W PF:1.000 Freq:50.00Hz Lamp Flux:105.388x1 lm		
NAME: SF15-12V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122207
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 22.19 lm/W			
MODEL	3528	I _{max} (cd)	36.82	S/MH (C0/180)	1.27
NOMINAL POWER (W)	5	LOR (%)	100.0	S/MH (C90/270)	1.22
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	105.39	η UP, DN (C0-180)	0.8, 48.7
NOMINAL FLUX (lm)	105.388	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 50.0
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	36.06	36.17	36.02	35.78	36.25	36.07	36.03	36.28	0- 10	3.477	3.477	3.3,3.3
20	33.95	34.12	33.78	33.49	34.39	33.93	33.63	34.32	10- 20	9.925	13.40	12.7,12.7
30	30.71	30.84	30.26	30.09	31.35	30.69	29.94	31.13	20- 30	14.94	28.34	26.9,26.9
40	26.49	26.63	25.72	25.78	27.30	26.54	25.21	27.09	30- 40	17.90	46.25	43.9,43.9
50	21.49	21.76	20.38	20.73	22.40	21.59	19.66	22.50	40- 50	18.51	64.75	61.4,61.4
60	15.95	16.35	14.49	15.10	16.88	16.02	13.61	17.15	50- 60	16.71	81.46	77.3,77.3
70	10.04	10.53	8.382	9.149	10.91	10.03	7.478	11.40	60- 70	12.76	94.22	89.4,89.4
80	4.402	4.825	2.764	3.576	5.086	4.221	1.999	5.566	70- 80	7.385	101.6	96.4,96.4
90	1.067	0.9877	0.3368	0.7137	1.204	0.7142	0.1890	1.176	80- 90	2.381	104.0	98.7,98.7
100	0.4641	0.5301	0.3921	0.5967	0.4493	0.3958	0.1808	0.3595	90-100	0.5829	104.6	99.2,99.2
110	0.4817	0.4780	0.4473	0.5847	0.4244	0.3202	0.2724	0.3520	100-110	0.4560	105.0	99.7,99.7
120	0.0818	0.0825	0.1336	0.3785	0.1628	0.0944	0.0573	0.2268	110-120	0.3494	105.4	100,100
130	0	0	0	0	0	0	0	0	120-130	0.0108	105.4	100,100
140	0	0	0	0	0	0	0	0	130-140	0	105.4	100,100
150	0	0	0	0	0	0	0	0	140-150	0	105.4	100,100
160	0	0	0	0	0	0	0	0	150-160	0	105.4	100,100
170	0	0	0	0	0	0	0	0	160-170	0	105.4	100,100
180	0	0	0	0	0	0	0	0	170-180	0	105.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 55.578 lm

%lum = 52.7%

%lamp = 52.7%

Conical surface Flux(120deg): 81.46 lm

%lum = 77.3%

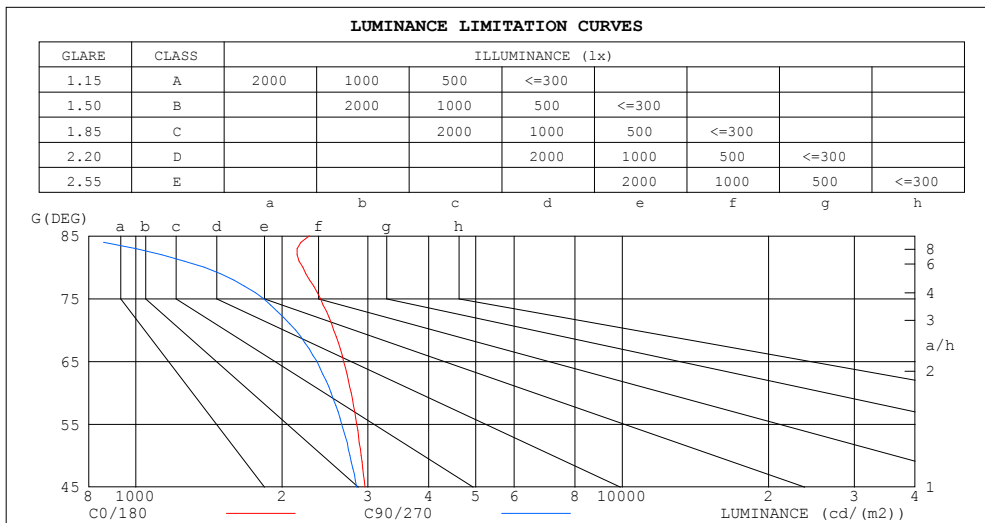
%lamp = 77.3%

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:0.3958A P:4.750W PF:1.000 Freq:50.00Hz Lamp Flux:105.388x1 lm		
NAME: SF15-12V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122207
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2275	694
80	2205	1384
75	2396	1832
70	2553	2131
65	2674	2357
60	2773	2520
55	2845	2651
50	2907	2757
45	2961	2844

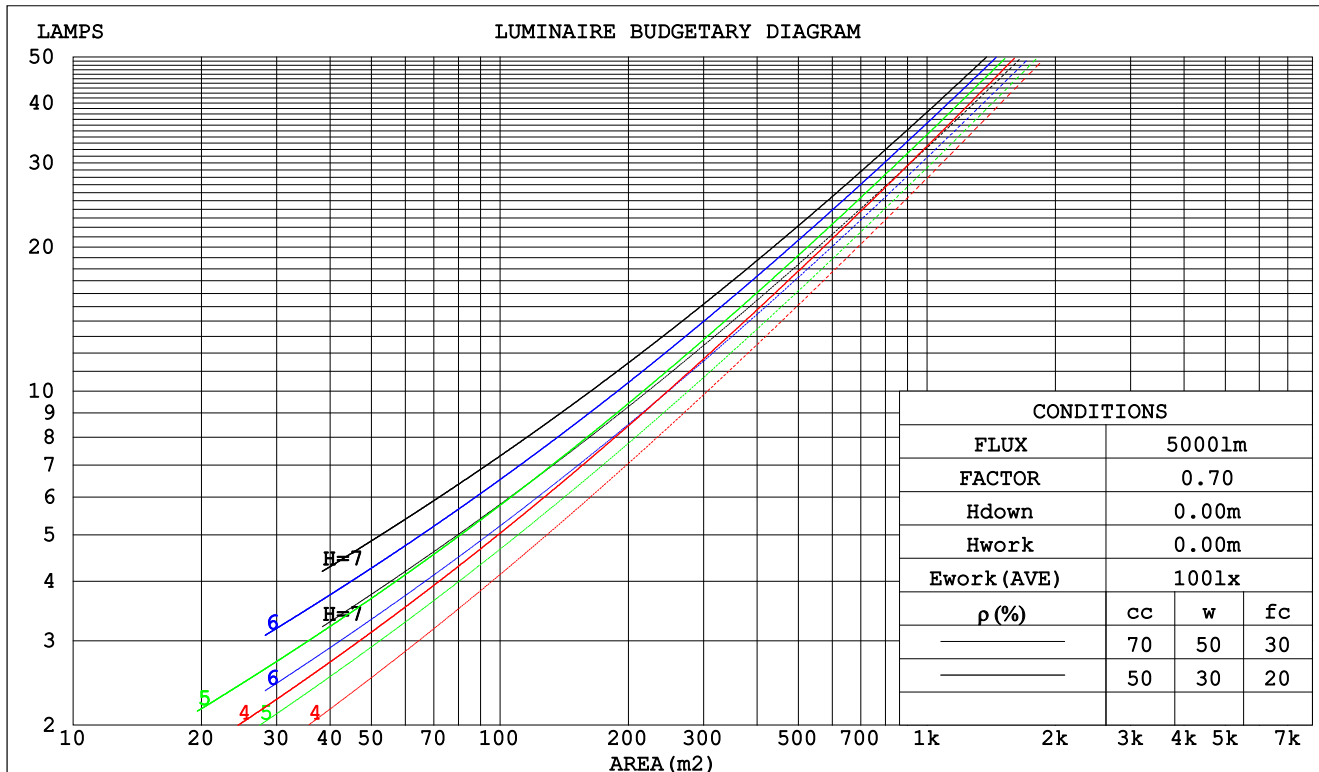
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-22

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:0.3958A P:4.750W PF:1.000 Freq:50.00Hz Lamp Flux:105.388x1 lm		
NAME: SF15-12V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122207
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	Coefficients of Utilization(CU)															
	RCR:Room Cavity Ratio															
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	.88	.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:0.3958A P:4.750W PF:1.000 Freq:50.00Hz Lamp Flux:105.388x1 lm		
NAME: SF15-12V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122207
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 Coefficients(WEC)										
0.0																	
1.0	.313	.178	.056	.306	.174	.055	.292	.167	.053	.279	.161	.052	.267	.155	.050		
2.0	.293	.161	.049	.287	.158	.049	.274	.152	.047	.263	.147	.046	.252	.143	.045		
3.0	.271	.144	.043	.265	.142	.043	.254	.138	.042	.244	.133	.041	.234	.130	.040		
4.0	.249	.130	.038	.244	.128	.038	.234	.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	.181	.093	.027	.175	.091	.027		
8.0	.185	.091	.025	.182	.090	.025	.176	.088	.025	.170	.086	.025	.164	.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	.201	.201	.201	.171	.171	.171	.117	.117	.117	.067	.067	.067	.021	.021	.021	
1.0	.191	.166	.144	.163	.143	.124	.112	.098	.086	.064	.057	.050	.021	.018	.016	
2.0	.183	.142	.108	.156	.122	.093	.107	.085	.065	.062	.049	.038	.020	.016	.012	
3.0	.175	.125	.085	.150	.108	.073	.103	.075	.051	.059	.044	.030	.019	.014	.010	
4.0	.167	.111	.069	.144	.096	.060	.099	.067	.042	.057	.039	.025	.018	.013	.008	
5.0	.160	.101	.058	.137	.087	.050	.095	.061	.035	.055	.036	.021	.018	.012	.007	
6.0	.153	.093	.050	.131	.080	.043	.091	.056	.031	.053	.033	.018	.017	.011	.006	
7.0	.146	.086	.044	.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	.036	.115	.065	.031	.080	.046	.022	.046	.027	.013	.015	.009	.004	
10.0	.128	.071	.033	.110	.061	.029	.076	.043	.020	.044	.026	.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:0.3958A P:4.750W PF:1.000 Freq:50.00Hz Lamp Flux:105.388x1 lm											
NAME: SF15-12V-3528-72-4000-80					TYPE:硅胶			WEIGHT:			
SPEC.:					DIM.: 21mm*11.5mm			SERIAL No.:2021122207			
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	24.3	25.8	24.6	26.1	26.3	24.1	25.6	24.4	25.8	26.1	
	3H	25.9	27.3	26.2	27.5	27.8	25.5	26.9	25.8	27.1	27.4
	4H	26.5	27.8	26.9	28.1	28.4	26.0	27.3	26.3	27.6	27.9
	6H	27.0	28.2	27.3	28.5	28.8	26.2	27.5	26.6	27.8	28.1
	8H	27.1	28.3	27.5	28.7	29.0	26.3	27.5	26.7	27.8	28.1
	12H	27.3	28.4	27.6	28.7	29.1	26.3	27.4	26.7	27.8	28.1
4H	2H	25.0	26.3	25.3	26.6	26.9	24.8	26.1	25.1	26.4	26.7
	3H	26.7	27.9	27.1	28.2	28.6	26.4	27.6	26.8	27.9	28.2
	4H	27.5	28.6	27.9	28.9	29.3	27.1	28.1	27.5	28.5	28.8
	6H	28.1	29.0	28.5	29.4	29.8	27.5	28.4	27.9	28.8	29.2
	8H	28.3	29.2	28.8	29.6	30.0	27.6	28.5	28.0	28.9	29.3
	12H	28.5	29.3	28.9	29.7	30.1	27.6	28.4	28.1	28.8	29.3
8H	4H	27.8	28.7	28.2	29.1	29.5	27.4	28.3	27.9	28.7	29.1
	6H	28.6	29.3	29.0	29.7	30.2	28.1	28.8	28.5	29.2	29.7
	8H	28.9	29.5	29.4	30.0	30.5	28.3	28.9	28.8	29.4	29.9
	12H	29.2	29.7	29.7	30.2	30.7	28.4	28.9	28.9	29.4	29.9
12H	4H	27.8	28.6	28.3	29.0	29.5	27.5	28.3	27.9	28.7	29.1
	6H	28.7	29.3	29.1	29.8	30.2	28.2	28.8	28.7	29.3	29.8
	8H	29.0	29.6	29.5	30.1	30.6	28.4	29.0	28.9	29.5	30.0
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 / - 0.4					

CIE Pub.117, 105.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -7.8)

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:0.3958A P:4.750W PF:1.000 Freq:50.00Hz Lamp Flux:105.388x1 lm		
NAME: SF15-12V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122207
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

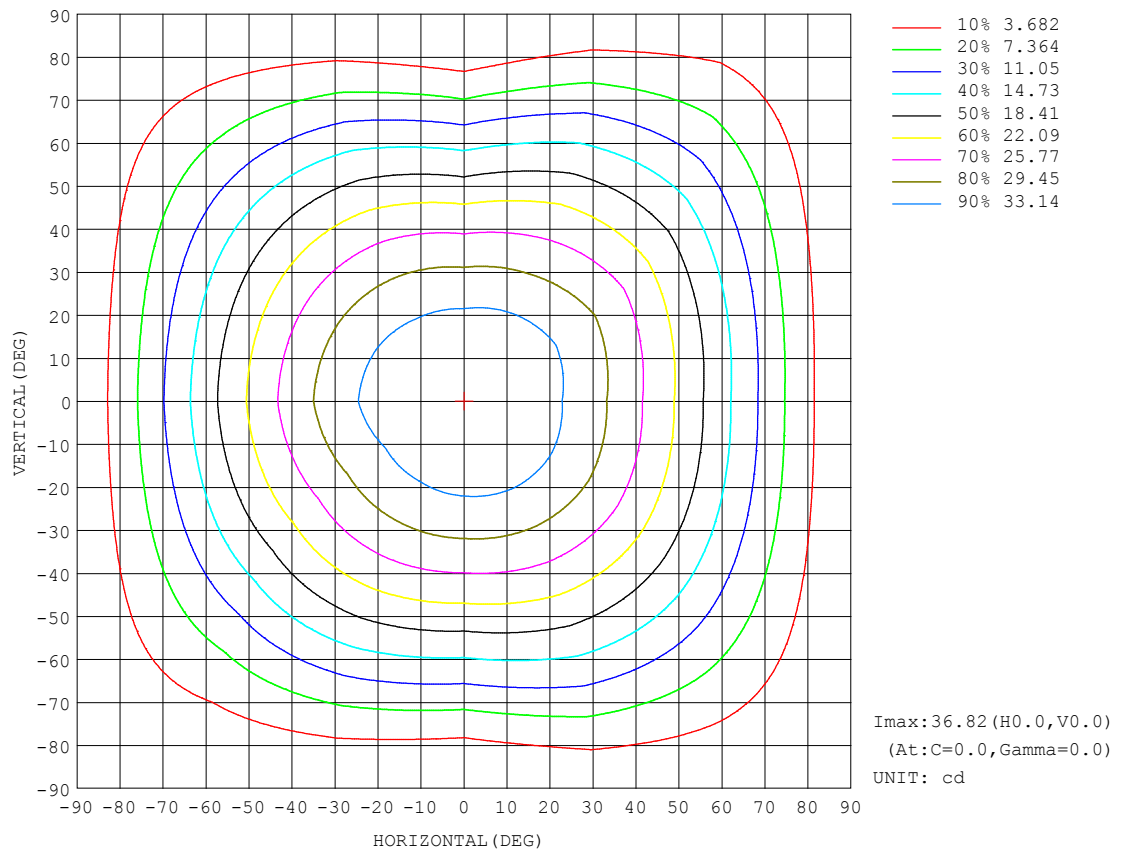
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) × RCR = 5									
k = 0.60	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	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										
SHRNM = 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:0.3958A P:4.750W PF:1.000 Freq:50.00Hz Lamp Flux:105.388x1 lm		
NAME: SF15-12V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122207
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

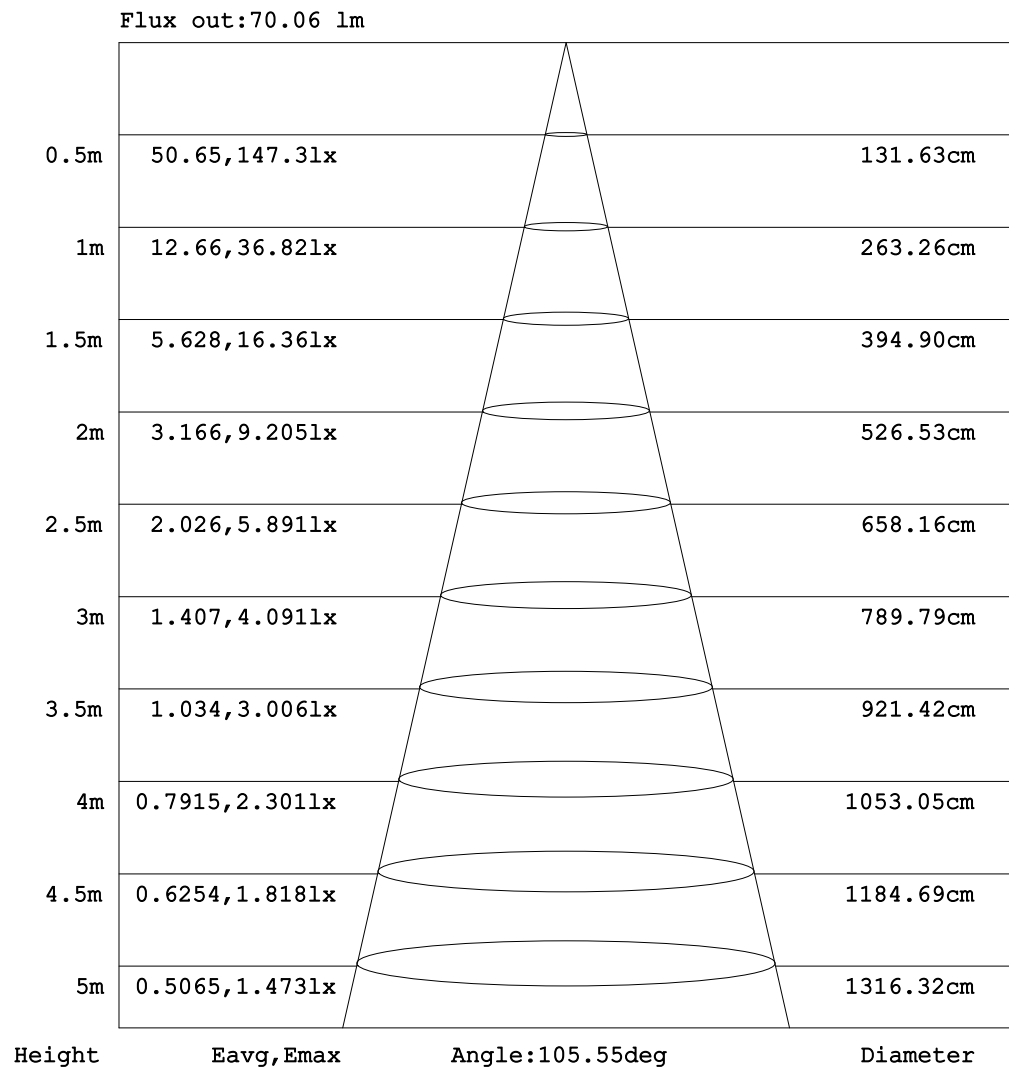


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-12-22

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:0.3958A P:4.750W PF:1.000 Freq:50.00Hz Lamp Flux:105.388x1 lm		
NAME: SF15-12V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122207
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



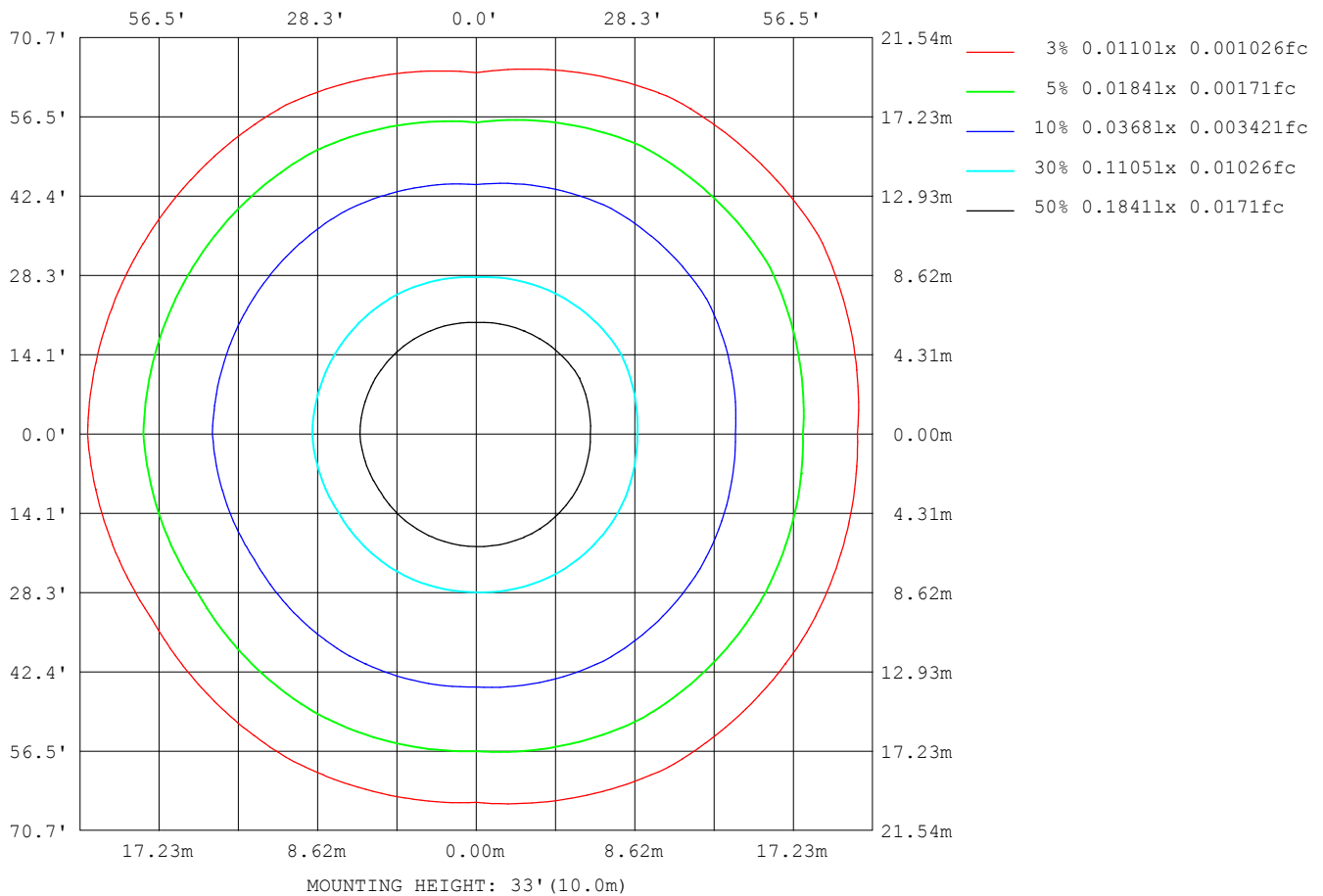
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.3958A P:4.750W PF:1.000 Freq:50.00Hz Lamp Flux:105.388x1 lm		
NAME: SF15-12V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122207
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:0.3958A P:4.750W PF:1.000 Freq:50.00Hz Lamp Flux:105.388x1 lm		
NAME: SF15-12V-3528-72-4000-80	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122207
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

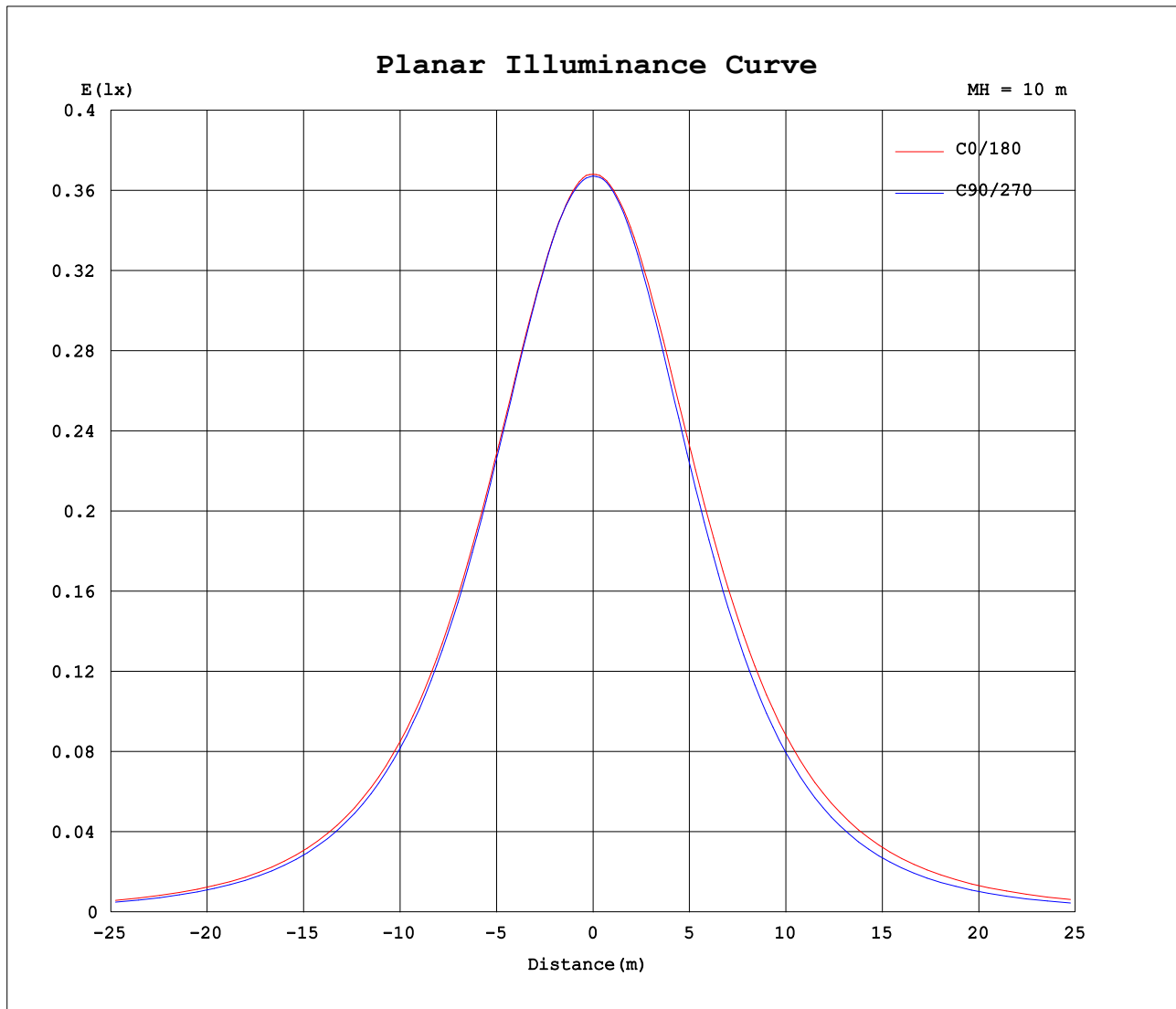
AvgL	cd/m2
L_0~180 (65) av	2769
L_0~180 (75) av	2525
L_0~180 (85) av	2522
L_90~270 (65) av	2265
L_90~270 (75) av	1684
L_90~270 (85) av	501
L_45 (65) av	2751
L_45 (75) av	2507
L_45 (85) av	2329

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:0.3958A P:4.750W PF:1.000 Freq:50.00Hz Lamp Flux:105.388x1 lm		
NAME: SF15-12V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122207
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	36.8	36.8	36.8	36.7	36.7	36.7	36.8	36.8	36.8	36.7	36.7	36.7						
5	36.6	36.6	36.7	36.5	36.5	36.4	36.7	36.7	36.5	36.6	36.6	36.7						
10	36.1	36.1	36.2	36.0	35.8	35.7	36.2	36.1	36.0	36.0	36.2	36.4						
15	35.2	35.3	35.3	35.1	34.8	34.8	35.5	35.3	35.0	35.0	35.3	35.7						
20	34.0	34.2	34.1	33.8	33.5	33.5	34.4	34.1	33.7	33.6	34.1	34.5						
25	32.5	32.7	32.5	32.2	31.9	31.9	33.0	32.7	32.2	31.9	32.5	33.1						
30	30.7	31.0	30.7	30.3	30.1	30.1	31.4	31.0	30.4	29.9	30.7	31.6						
35	28.7	29.0	28.7	28.1	28.0	28.0	29.5	29.0	28.4	27.7	28.6	29.8						
40	26.5	26.8	26.5	25.7	25.8	25.8	27.3	26.8	26.2	25.2	26.5	27.7						
45	24.1	24.4	24.1	23.1	23.4	23.3	25.0	24.4	23.9	22.5	24.3	25.4						
50	21.5	21.9	21.6	20.4	20.8	20.7	22.4	21.9	21.3	19.7	22.0	23.0						
55	18.8	19.2	19.0	17.5	18.0	17.9	19.7	19.1	18.6	16.7	19.4	20.4						
60	15.9	16.4	16.3	14.5	15.2	15.0	16.9	16.3	15.8	13.6	16.7	17.6						
65	13.0	13.5	13.4	11.5	12.2	12.0	13.9	13.3	12.8	10.6	13.9	14.8						
70	10.0	10.6	10.5	8.38	9.26	9.04	10.9	10.3	9.81	7.48	11.0	11.8						
75	7.13	7.63	7.62	5.45	6.31	6.14	7.90	7.25	6.79	4.57	8.02	8.88						
80	4.40	4.81	4.84	2.76	3.61	3.54	5.09	4.46	3.98	2.00	5.15	5.98						
85	2.28	2.45	2.38	0.70	1.57	1.71	2.77	2.27	1.67	0.31	2.56	3.34						
90	1.07	1.07	0.90	0.34	0.67	0.76	1.20	0.92	0.51	0.19	0.83	1.52						
95	0.54	0.52	0.57	0.36	0.61	0.63	0.46	0.46	0.41	0.18	0.37	0.63						
100	0.46	0.52	0.54	0.39	0.59	0.60	0.45	0.42	0.37	0.18	0.36	0.36						
105	0.47	0.53	0.51	0.43	0.54	0.61	0.44	0.32	0.34	0.26	0.32	0.36						
110	0.48	0.43	0.53	0.45	0.55	0.62	0.42	0.23	0.41	0.27	0.34	0.37						
115	0.49	0.25	0.56	0.47	0.60	0.49	0.41	0.13	0.44	0.29	0.20	0.38						
120	0.08	0.07	0.09	0.13	0.62	0.14	0.16	0.04	0.15	0.06	0.06	0.40						
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	36.82	36.78	36.76	36.72	36.71	36.69	36.82	36.78	36.76	36.72
3.0	36.78	36.73	36.76	36.65	36.62	36.54	36.78	36.77	36.67	36.72
6.0	36.55	36.56	36.60	36.46	36.37	36.25	36.64	36.58	36.47	36.53
9.0	36.14	36.25	36.32	36.16	36.00	35.88	36.37	36.27	36.14	36.21
12.0	35.73	35.85	35.89	35.69	35.49	35.34	35.98	35.83	35.65	35.67
15.0	35.16	35.31	35.31	35.07	34.84	34.76	35.47	35.30	35.02	35.03
18.0	34.47	34.67	34.61	34.33	34.07	34.02	34.86	34.64	34.28	34.25
21.0	33.68	33.89	33.79	33.48	33.19	33.19	34.14	33.87	33.44	33.30
24.0	32.78	33.01	32.86	32.49	32.24	32.26	33.30	32.99	32.50	32.33
27.0	31.80	32.05	31.85	31.43	31.21	31.20	32.38	32.03	31.49	31.12
30.0	30.71	30.97	30.71	30.26	30.08	30.10	31.35	30.96	30.41	29.94
33.0	29.54	29.82	29.50	28.99	28.88	28.88	30.24	29.81	29.25	28.62
36.0	28.27	28.55	28.23	27.63	27.60	27.58	29.03	28.59	28.00	27.22
39.0	26.95	27.27	26.92	26.22	26.26	26.24	27.75	27.27	26.70	25.71
42.0	25.53	25.90	25.54	24.70	24.84	24.80	26.40	25.88	25.32	24.15
45.0	24.08	24.42	24.12	23.12	23.37	23.30	24.95	24.44	23.87	22.51
48.0	22.54	22.93	22.64	21.51	21.84	21.76	23.45	22.90	22.36	20.82
51.0	20.96	21.37	21.12	19.80	20.24	20.14	21.89	21.31	20.79	19.08
54.0	19.34	19.74	19.56	18.07	18.61	18.46	20.26	19.69	19.17	17.30
57.0	17.65	18.11	17.94	16.31	16.92	16.80	18.59	17.99	17.49	15.47
60.0	15.95	16.40	16.29	14.49	15.19	15.01	16.88	16.26	15.77	13.61
63.0	14.20	14.66	14.59	12.65	13.44	13.22	15.10	14.49	14.01	11.79
66.0	12.42	12.94	12.85	10.82	11.66	11.44	13.32	12.68	12.22	9.937
69.0	10.65	11.15	11.10	8.990	9.836	9.614	11.51	10.84	10.41	8.077
72.0	8.877	9.372	9.350	7.161	8.063	7.834	9.683	9.048	8.592	6.309
75.0	7.133	7.629	7.620	5.453	6.313	6.137	7.900	7.253	6.795	4.569
78.0	5.444	5.910	5.926	3.800	4.634	4.499	6.186	5.528	5.076	2.925
81.0	3.895	4.277	4.292	2.262	3.126	3.102	4.573	3.965	3.467	1.562
84.0	2.628	2.855	2.815	1.032	1.874	1.997	3.182	2.633	2.061	0.5109
87.0	1.687	1.782	1.597	0.3868	1.058	1.220	2.047	1.601	1.063	0.1915
90.0	1.067	1.074	0.9013	0.3368	0.6692	0.7582	1.204	0.9215	0.5068	0.1890
93.0	0.6845	0.6726	0.6137	0.3469	0.6132	0.6579	0.6671	0.5536	0.4187	0.1865
96.0	0.4980	0.5126	0.5664	0.3669	0.6082	0.6230	0.4593	0.4524	0.3992	0.1841
99.0	0.4624	0.5127	0.5486	0.3820	0.6007	0.6081	0.4518	0.4373	0.3798	0.1816
102.0	0.4676	0.5227	0.5308	0.4173	0.5694	0.6050	0.4443	0.3803	0.3619	0.2159
105.0	0.4729	0.5292	0.5129	0.4286	0.5380	0.6103	0.4369	0.3232	0.3418	0.2612
108.0	0.4782	0.4979	0.5227	0.4398	0.5453	0.6157	0.4294	0.2662	0.3821	0.2679
111.0	0.4835	0.3912	0.5325	0.4523	0.5526	0.6211	0.4220	0.2091	0.4272	0.2746
114.0	0.4888	0.2845	0.5529	0.4624	0.5963	0.5552	0.4145	0.1521	0.4373	0.2813
117.0	0.3270	0.1778	0.3752	0.3339	0.6064	0.3470	0.4070	0.0951	0.3769	0.2292
120.0	0.0818	0.0711	0.0938	0.1336	0.6182	0.1388	0.1628	0.0380	0.1508	0.0573
G/C	300.0	330.0								
0.0	36.71	36.69								
3.0	36.70	36.73								
6.0	36.58	36.69								
9.0	36.32	36.47								
12.0	35.89	36.13								
15.0	35.32	35.65								
18.0	34.62	35.04								
21.0	33.81	34.28								
24.0	32.86	33.41								
27.0	31.82	32.51								
30.0	30.68	31.57								
33.0	29.46	30.54								
36.0	28.17	29.40								
39.0	26.89	28.14								
42.0	25.61	26.83								
45.0	24.31	25.45								
48.0	22.95	23.99								
51.0	21.50	22.47								
54.0	19.95	20.92								
57.0	18.34	19.29								
60.0	16.70	17.59								
63.0	15.01	15.94								
66.0	13.30	14.19								
69.0	11.50	12.42								
72.0	9.774	10.65								
75.0	8.016	8.876								
78.0	6.287	7.107								
81.0	4.608	5.413								
84.0	3.040	3.830								
87.0	1.710	2.467								
90.0	0.8326	1.520								

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

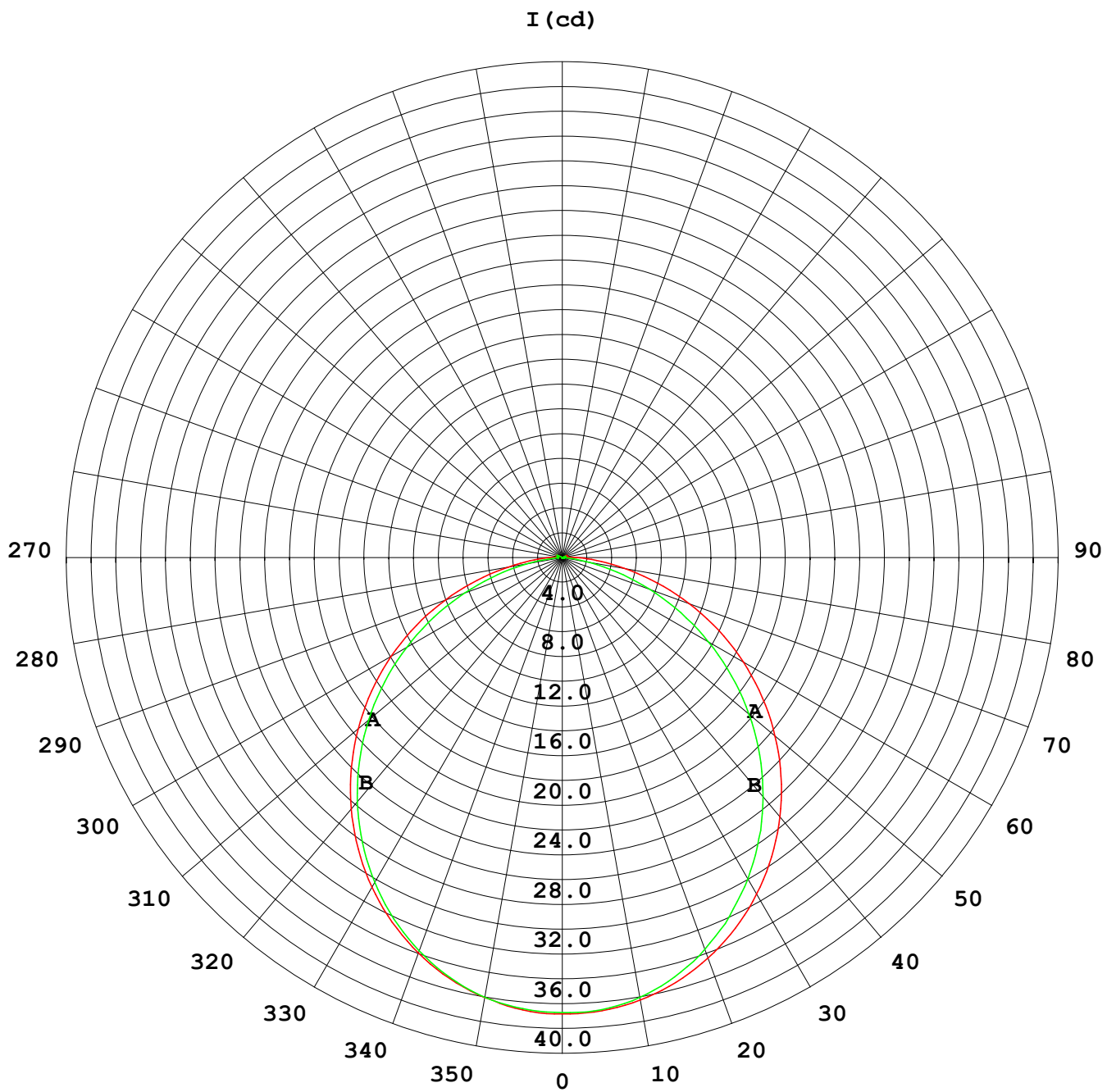
γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 9.200m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

93.0	0.4366	0.8910
96.0	0.3718	0.5437
99.0	0.3643	0.3923
102.0	0.3568	0.3518
105.0	0.3217	0.3568
108.0	0.3520	0.3619
111.0	0.3106	0.3669
114.0	0.2259	0.3719
117.0	0.1412	0.3869
120.0	0.0565	0.3970

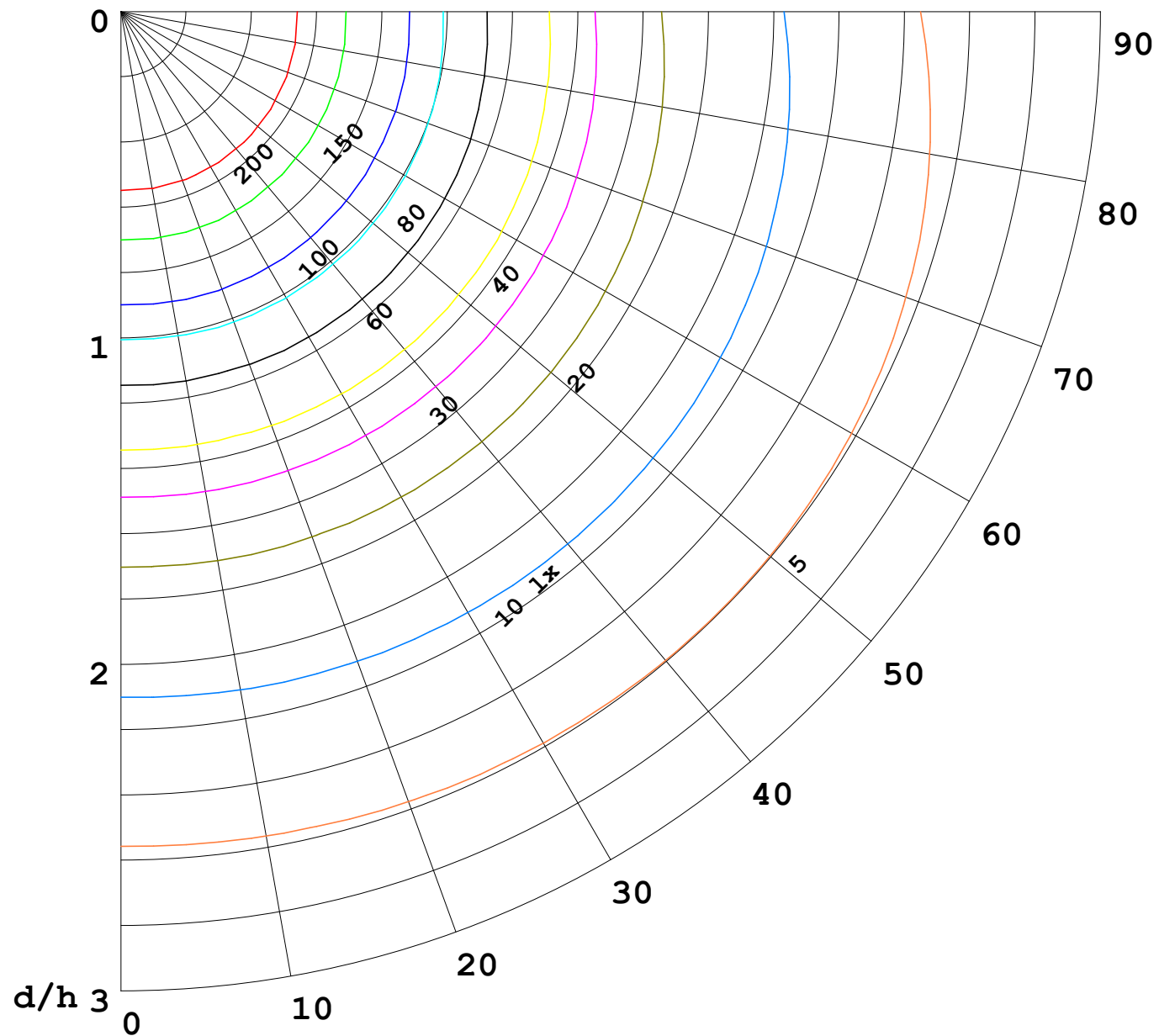
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-12-22

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:



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

