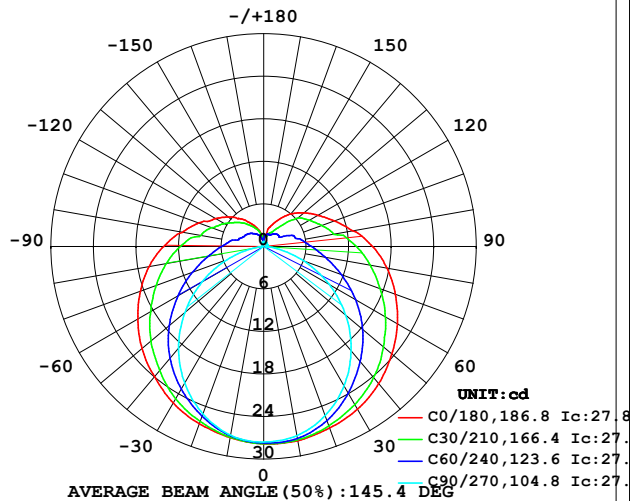


LUMINAIRE PHOTOMETRIC TEST REPORT

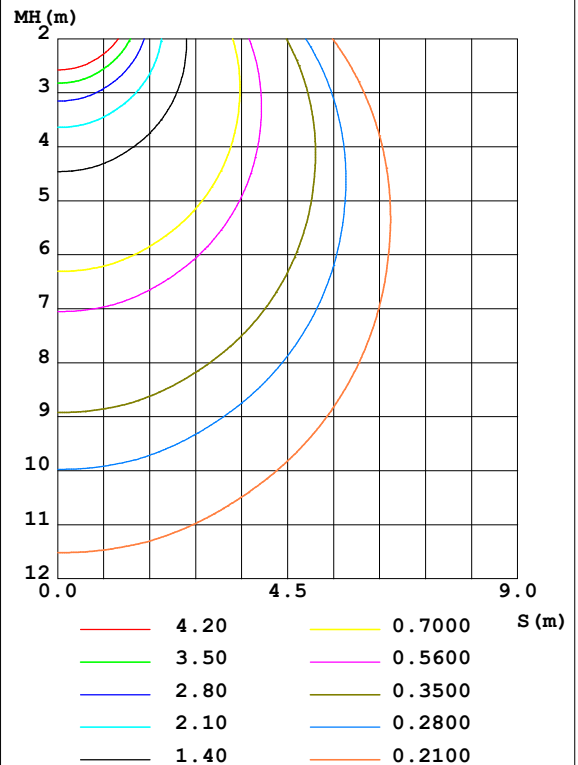
Test:U:24.00V I:0.2124A P:5.098W PF:1.000 Freq:50.00Hz Lamp Flux:137.268x1 lm		
NAME: SF21-24V-5050-72-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121002
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 26.93 lm/W			
MODEL	5050	I _{max} (cd)	27.88	S/MH (C0/180)	1.37
NOMINAL POWER (W)	5	LOR (%)	100.0	S/MH (C90/270)	1.21
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	137.27	η UP, DN (C0-180)	11.2, 38.9
NOMINAL FLUX (lm)	137.268	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	11.2, 38.7
LAMPS INSIDE	1	η up (%)	22.4	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	24	η down (%)	77.6	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: 25.3DEG
Operators: LPC
Test Date: 2021-12-10

γ Range: 0 - 180DEG
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	27.81	27.59	27.11	26.86	27.37	27.22	27.02	27.38	0- 10	2.623	2.623	1.91,1.91
20	27.23	26.52	25.39	25.54	26.61	25.86	25.12	26.31	10- 20	7.559	10.18	7.42,7.42
30	26.49	24.81	22.70	23.64	25.52	24.03	22.28	24.61	20- 30	11.64	21.82	15.9,15.9
40	25.26	22.66	19.20	21.26	23.97	21.70	18.70	22.61	30- 40	14.51	36.34	26.5,26.5
50	23.61	20.15	15.12	18.59	22.40	19.08	14.53	20.30	40- 50	15.98	52.32	38.1,38.1
60	21.78	17.40	10.64	15.77	20.51	16.21	10.06	17.63	50- 60	16.02	68.34	49.8,49.8
70	19.76	14.59	6.052	13.00	18.51	13.43	5.547	14.90	60- 70	14.81	83.15	60.6,60.6
80	17.65	12.03	1.937	10.58	16.42	10.94	1.591	12.38	70- 80	12.79	95.94	69.9,69.9
90	15.38	9.928	0.3719	8.531	14.12	8.860	0.2749	10.27	80- 90	10.59	106.5	77.6,77.6
100	12.74	7.737	0.4224	6.667	11.66	6.905	0.2913	8.048	90-100	8.701	115.2	83.9,83.9
110	10.61	6.629	0.4662	5.472	9.763	5.652	0.3270	6.680	100-110	6.748	122.0	88.9,88.9
120	8.842	5.051	0.4975	4.498	7.854	4.780	0.3467	5.328	110-120	5.230	127.2	92.7,92.7
130	7.400	4.396	0.5278	3.794	6.492	4.061	0.3820	4.709	120-130	3.962	131.2	95.6,95.6
140	6.013	3.105	0.5622	3.078	5.110	3.357	0.4447	3.298	130-140	2.808	134.0	97.6,97.6
150	4.434	2.136	0.6385	2.392	3.848	2.686	0.5477	2.529	140-150	1.747	135.7	98.9,98.9
160	3.128	1.844	0.6403	1.628	2.708	2.015	0.6232	1.994	150-160	0.9928	136.7	99.6,99.6
170	1.373	1.548	0.6421	0.8815	1.100	1.284	0.6897	1.773	160-170	0.4495	137.2	99.9,99.9
180	0.6734	0.6533	0.6433	0.7413	0.6734	0.6634	0.6986	0.7187	170-180	0.1051	137.3	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 44.235 lm

%lum = 32.2%

%lamp = 32.2%

Conical surface Flux(120deg): 68.341 lm

%lum = 49.8%

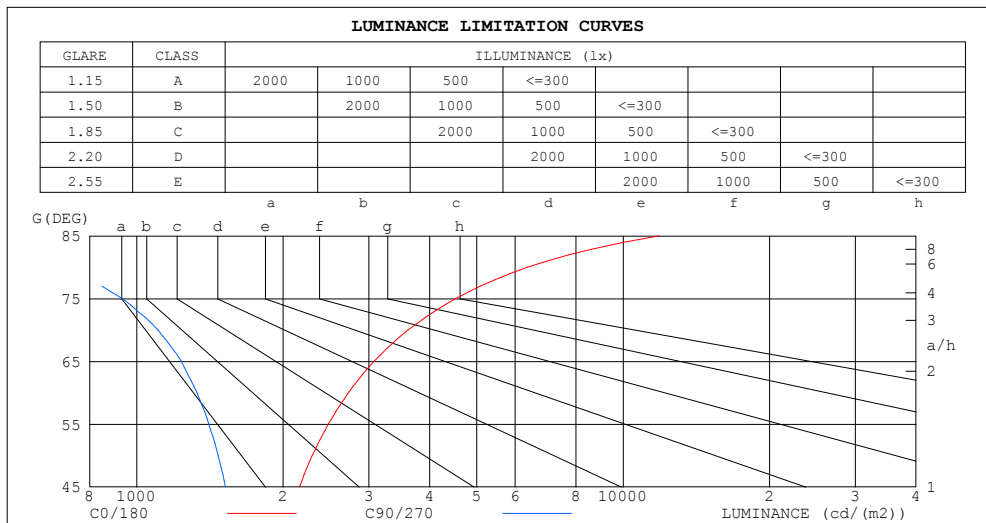
%lamp = 49.8%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-10

γ Range: 0 - 180DEG
 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:24.00V I:0.2124A P:5.098W PF:1.000 Freq:50.00Hz Lamp Flux:137.268x1 lm		
NAME: SF21-24V-5050-72-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121002
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



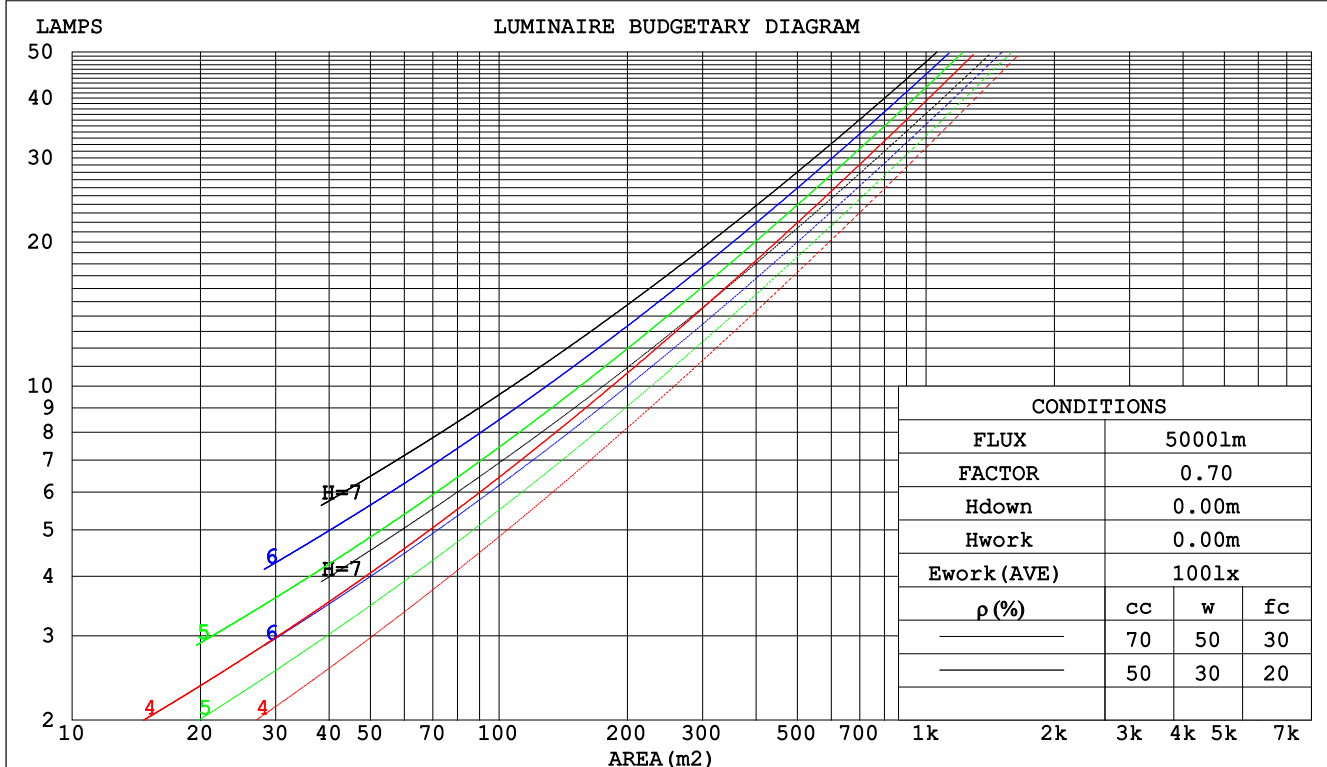
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-10

γ Range: 0 - 180DEG
 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:24.00V I:0.2124A P:5.098W PF:1.000 Freq:50.00Hz Lamp Flux:137.268x1 lm		
NAME: SF21-24V-5050-72-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121002
MFR.: OLYMPIA	SUR.:1*0.016	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	1.14	1.14	1.14	1.08	1.08	1.08	.99	.99	.99	.90	.90	.90	.81	.81	.81	.78
1.0	.94	.89	.84	.90	.85	.81	.82	.78	.74	.74	.71	.68	.67	.64	.62	.58
2.0	.81	.73	.66	.77	.70	.64	.70	.64	.59	.63	.58	.54	.57	.53	.50	.46
3.0	.70	.61	.54	.67	.58	.52	.60	.54	.48	.55	.49	.44	.49	.45	.41	.38
4.0	.61	.52	.45	.59	.50	.43	.53	.46	.40	.48	.42	.37	.43	.39	.34	.31
5.0	.54	.45	.38	.52	.43	.37	.47	.40	.34	.43	.37	.32	.39	.34	.30	.27
6.0	.49	.39	.33	.47	.38	.32	.42	.35	.30	.39	.32	.28	.35	.30	.26	.23
7.0	.44	.35	.29	.42	.34	.28	.38	.31	.26	.35	.29	.24	.32	.27	.23	.20
8.0	.40	.31	.25	.38	.30	.24	.35	.28	.23	.32	.26	.22	.29	.24	.20	.18
9.0	.36	.28	.22	.35	.27	.22	.32	.25	.21	.30	.24	.19	.27	.22	.18	.16
10.0	.33	.26	.20	.32	.25	.20	.30	.23	.19	.27	.22	.17	.25	.20	.16	.14



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-10

γ Range: 0 - 180DEG
 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:24.00V I:0.2124A P:5.098W PF:1.000 Freq:50.00Hz Lamp Flux:137.268x1 lm		
NAME: SF21-24V-5050-72-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121002
MFR.: OLYMPIA	SUR.:1*0.016	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	.387	.220	.070	.373	.213	.068	.346	.199	.063	.322	.186	.060	.300	.174	.056		
2.0	.333	.183	.056	.320	.176	.054	.297	.165	.051	.275	.154	.048	.254	.144	.045		
3.0	.295	.157	.047	.284	.152	.046	.262	.142	.043	.242	.133	.041	.224	.124	.038		
4.0	.265	.138	.041	.255	.133	.039	.235	.125	.037	.217	.117	.035	.200	.109	.033		
5.0	.241	.123	.036	.232	.119	.035	.214	.111	.033	.197	.104	.031	.181	.097	.029		
6.0	.221	.111	.032	.212	.107	.031	.196	.100	.029	.181	.094	.028	.166	.088	.026		
7.0	.204	.101	.029	.196	.097	.028	.181	.091	.026	.167	.085	.025	.153	.080	.023		
8.0	.189	.092	.026	.182	.089	.025	.168	.084	.024	.155	.078	.023	.143	.073	.021		
9.0	.176	.085	.024	.169	.082	.023	.156	.077	.022	.144	.072	.021	.133	.068	.020		
10.0	.165	.079	.022	.158	.077	.021	.147	.072	.020	.135	.067	.019	.125	.063	.018		

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	.361	.361	.361	.309	.309	.309	.211	.211	.211	.121	.121	.121	.039	.039	.039	
1.0	.358	.328	.300	.306	.281	.258	.209	.193	.179	.120	.112	.104	.039	.036	.034	
2.0	.351	.305	.266	.301	.262	.230	.206	.182	.161	.119	.106	.094	.038	.034	.031	
3.0	.343	.289	.245	.294	.249	.212	.202	.173	.149	.117	.101	.088	.038	.033	.029	
4.0	.336	.276	.231	.288	.239	.201	.198	.166	.141	.115	.097	.084	.037	.032	.027	
5.0	.328	.267	.221	.282	.231	.192	.194	.161	.136	.112	.095	.081	.036	.031	.027	
6.0	.321	.259	.214	.276	.224	.186	.190	.157	.132	.110	.092	.078	.036	.030	.026	
7.0	.314	.252	.209	.270	.219	.182	.186	.153	.129	.108	.090	.077	.035	.030	.025	
8.0	.307	.247	.205	.264	.214	.179	.183	.150	.127	.106	.089	.076	.034	.029	.025	
9.0	.301	.242	.202	.259	.210	.176	.180	.148	.125	.105	.087	.075	.034	.029	.025	
10.0	.295	.238	.200	.254	.206	.174	.176	.145	.124	.103	.086	.074	.033	.028	.024	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-10

γ Range: 0 - 180DEG
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:24.00V I:0.2124A P:5.098W PF:1.000 Freq:50.00Hz Lamp Flux:137.268x1 lm										
NAME: SF21-24V-5050-72-RGB-G					TYPE: 硅胶			WEIGHT:		
SPEC.:					DIM.: 28mm*11.5mm			SERIAL No.:2021121002		
MFR.: OLYMPIA					SUR.:1*0.016			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	22.1	23.4	22.7	24.0	24.7	19.5	20.8	20.0	21.4	22.0
3H	24.9	26.1	25.5	26.7	27.4	20.9	22.1	21.5	22.7	23.4
4H	26.5	27.7	27.1	28.3	29.0	21.4	22.6	22.1	23.2	23.9
6H	28.3	29.4	28.9	30.0	30.7	21.8	22.9	22.4	23.5	24.2
8H	29.2	30.3	29.9	30.9	31.7	21.9	22.9	22.5	23.6	24.3
12H	30.4	31.4	31.0	32.0	32.8	21.9	22.9	22.5	23.6	24.3
4H 2H	22.7	23.8	23.3	24.4	25.1	20.8	21.9	21.4	22.6	23.3
3H	25.7	26.7	26.4	27.4	28.2	22.5	23.6	23.2	24.2	25.0
4H	27.5	28.4	28.2	29.1	29.9	23.3	24.3	24.0	24.9	25.7
6H	29.5	30.3	30.2	31.0	31.8	23.9	24.8	24.6	25.5	26.3
8H	30.6	31.4	31.3	32.1	32.9	24.1	24.9	24.8	25.6	26.4
12H	31.8	32.6	32.6	33.3	34.2	24.2	25.0	25.0	25.7	26.5
8H 4H	27.8	28.6	28.5	29.3	30.2	24.6	25.4	25.3	26.1	26.9
6H	30.1	30.8	30.9	31.5	32.4	25.7	26.3	26.4	27.1	27.9
8H	31.5	32.0	32.2	32.8	33.7	26.1	26.7	26.9	27.5	28.4
12H	33.0	33.5	33.8	34.3	35.2	26.5	27.0	27.3	27.8	28.7
12H 4H	27.9	28.6	28.6	29.3	30.2	25.0	25.8	25.8	26.5	27.4
6H	30.2	30.8	31.0	31.6	32.5	26.4	27.0	27.1	27.7	28.6
8H	31.7	32.2	32.5	33.0	33.9	27.0	27.6	27.8	28.3	29.3
Variations with the observer position at spacings:										
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					+ 0.3 / - 0.4				

CIE Pub.117, 137.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -6.9)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-10

γ Range: 0 - 180DEG
 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:24.00V I:0.2124A P:5.098W PF:1.000 Freq:50.00Hz Lamp Flux:137.268x1 lm		
NAME: SF21-24V-5050-72-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121002
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

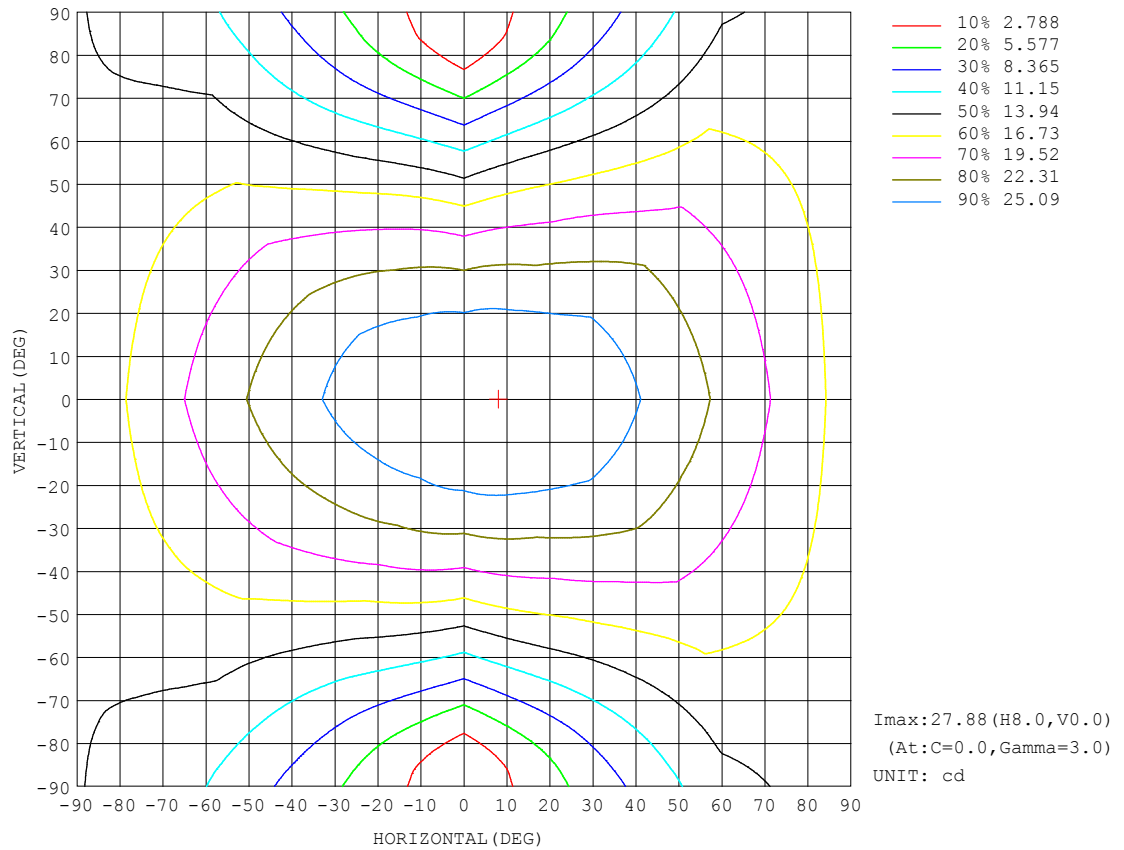
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	34	27	45	33	26	43	32	26	19
0.80	55	42	34	54	41	34	51	40	33	25
1.00	63	50	42	61	49	41	57	49	39	30
1.25	70	57	49	67	56	48	63	53	46	35
1.50	75	63	54	72	61	53	67	57	50	39
2.00	82	71	63	79	69	61	73	64	58	45
2.50	87	76	68	83	74	66	76	69	62	49
3.00	91	81	74	87	78	71	79	73	67	52
4.00	95	87	81	91	84	78	83	77	72	57
5.00	98	91	85	94	88	82	86	81	76	60
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:2021-12-10

γ Range: 0 - 180DEG
 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:24.00V I:0.2124A P:5.098W PF:1.000 Freq:50.00Hz Lamp Flux:137.268x1 lm		
NAME: SF21-24V-5050-72-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121002
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

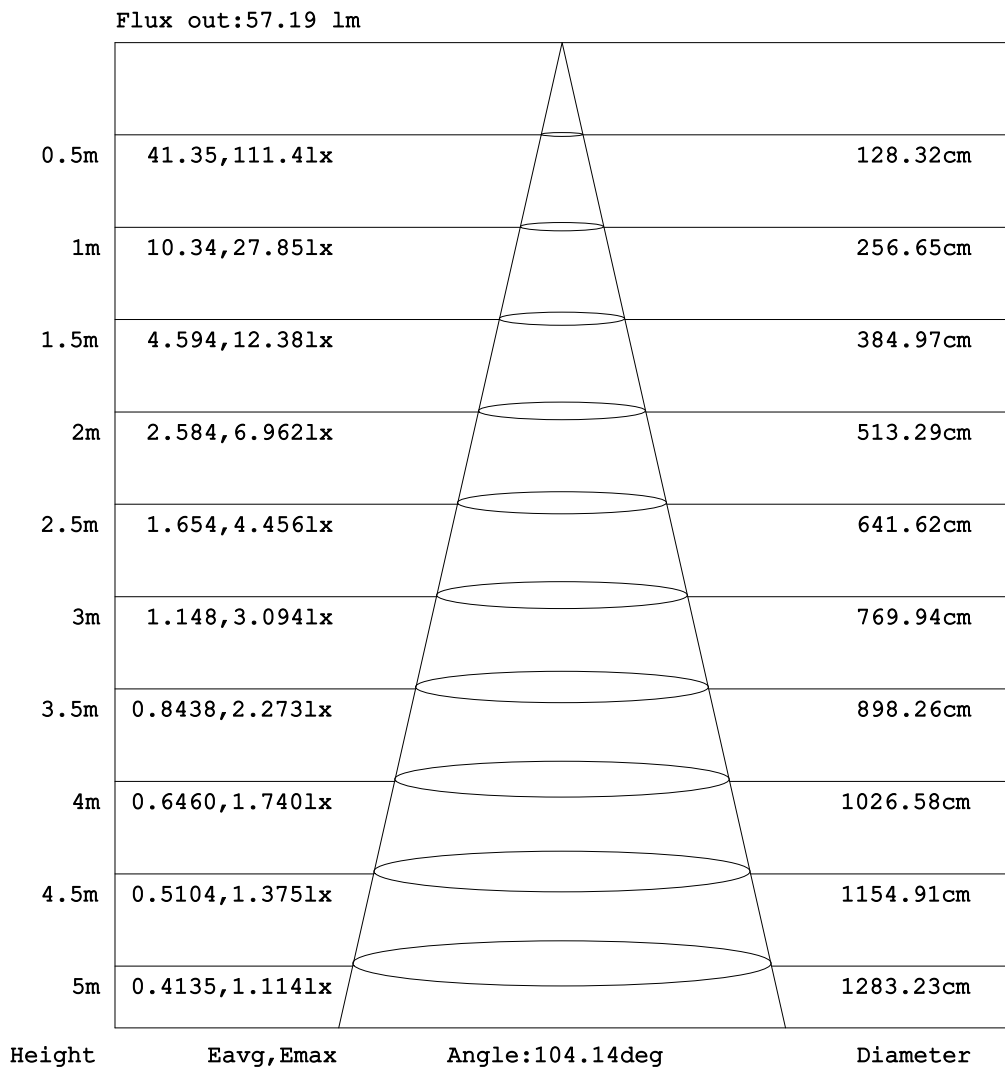


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-10

γ Range: 0 - 180DEG
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:24.00V I:0.2124A P:5.098W PF:1.000 Freq:50.00Hz Lamp Flux:137.268x1 lm		
NAME: SF21-24V-5050-72-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121002
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



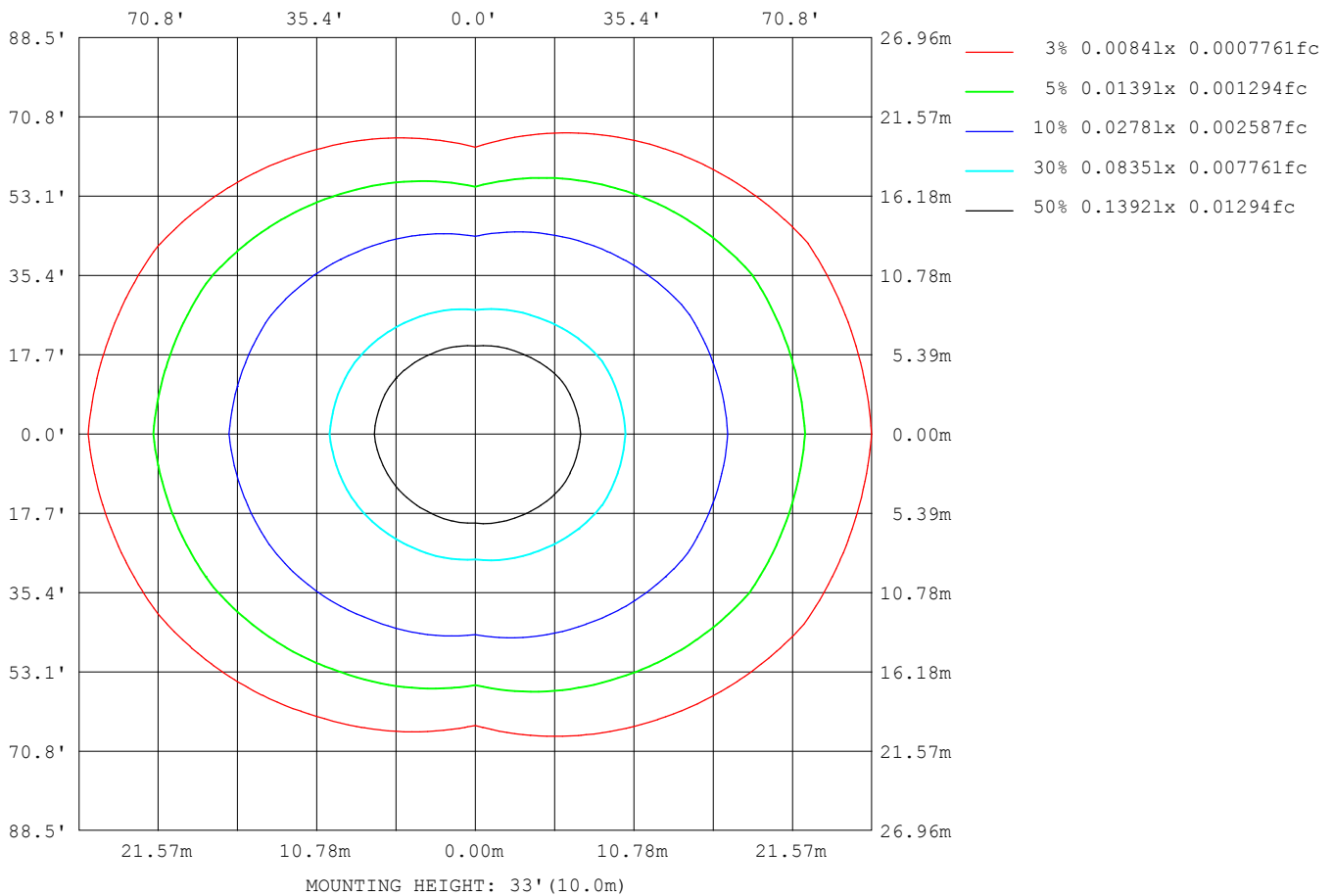
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-10

γ Range: 0 - 180DEG
 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:24.00V I:0.2124A P:5.098W PF:1.000 Freq:50.00Hz Lamp Flux:137.268x1 lm		
NAME: SF21-24V-5050-72-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121002
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-10

γ Range: 0 - 180DEG
 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:24.00V I:0.2124A P:5.098W PF:1.000 Freq:50.00Hz Lamp Flux:137.268x1 lm		
NAME: SF21-24V-5050-72-RGB-G	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121002
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

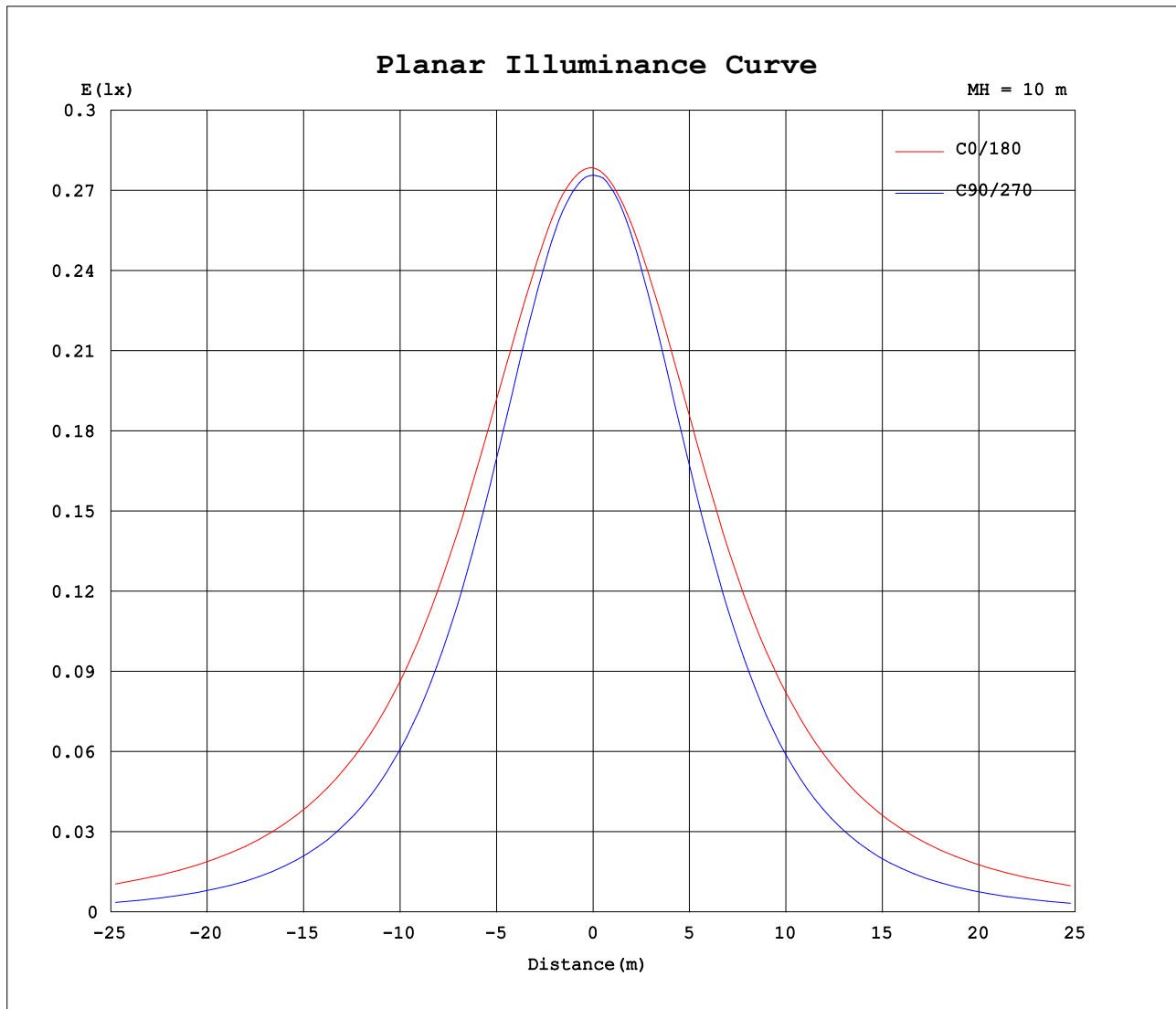
AvgL	cd/m2
L_0~180 (65) av	2980
L_0~180 (75) av	4372
L_0~180 (85) av	11419
L_90~270 (65) av	1193
L_90~270 (75) av	882
L_90~270 (85) av	346
L_45 (65) av	2293
L_45 (75) av	3117
L_45 (85) av	7647

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-10

γ Range: 0 - 180DEG
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: 2021-12-10

γ Range: 0 - 180DEG
 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:24.00V I:0.2124A P:5.098W PF:1.000 Freq:50.00Hz Lamp Flux:137.268x1 lm		
NAME: SF21-24V-5050-72-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121002
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	27.8	27.8	27.7	27.6	27.5	27.5	27.8	27.8	27.7	27.6	27.5	27.5						
5	27.9	27.8	27.7	27.5	27.3	27.2	27.7	27.7	27.5	27.5	27.5	27.6						
10	27.8	27.7	27.5	27.1	26.9	26.8	27.4	27.3	27.1	27.0	27.2	27.5						
15	27.6	27.4	26.9	26.4	26.2	26.3	27.0	26.8	26.4	26.2	26.6	27.3						
20	27.2	26.9	26.1	25.4	25.3	25.8	26.6	26.3	25.5	25.1	25.8	26.8						
25	26.9	26.4	25.1	24.2	24.2	25.1	26.1	25.6	24.4	23.8	24.8	26.2						
30	26.5	25.7	23.9	22.7	23.1	24.2	25.5	24.8	23.2	22.3	23.5	25.7						
35	25.9	25.0	22.5	21.0	21.8	23.2	24.8	23.9	22.0	20.6	22.3	25.0						
40	25.3	24.1	21.2	19.2	20.3	22.2	24.0	22.8	20.6	18.7	20.9	24.3						
45	24.5	23.2	19.7	17.2	18.7	21.2	23.2	21.8	19.0	16.7	19.6	23.4						
50	23.6	22.1	18.2	15.1	17.0	20.1	22.4	20.8	17.4	14.5	18.2	22.4						
55	22.7	21.0	16.6	12.9	15.4	19.0	21.5	19.6	15.7	12.3	16.7	21.3						
60	21.8	19.8	15.0	10.6	13.7	17.8	20.5	18.4	14.0	10.1	15.1	20.2						
65	20.8	18.7	13.3	8.34	12.1	16.6	19.5	17.3	12.3	7.78	13.4	19.1						
70	19.8	17.5	11.7	6.05	10.5	15.5	18.5	16.1	10.7	5.55	11.8	18.0						
75	18.7	16.4	10.2	3.87	9.05	14.4	17.5	15.0	9.21	3.44	10.4	16.9						
80	17.7	15.3	8.80	1.94	7.81	13.3	16.4	14.0	7.91	1.59	8.98	15.8						
85	16.5	14.2	7.68	0.59	6.76	12.2	15.3	12.9	6.85	0.37	7.84	14.7						
90	15.4	13.1	6.77	0.37	5.89	11.2	14.1	11.8	5.95	0.27	6.91	13.6						
95	14.2	12.0	6.02	0.39	5.24	10.2	13.0	10.7	5.27	0.28	6.15	12.6						
100	12.7	10.0	5.45	0.42	4.77	8.56	11.7	9.05	4.76	0.29	5.55	10.5						
105	11.7	9.44	4.62	0.46	3.66	8.08	10.7	8.53	3.68	0.32	4.58	9.96						
110	10.6	8.72	4.54	0.47	3.49	7.45	9.76	7.79	3.51	0.33	4.14	9.22						
115	9.67	8.04	3.63	0.48	3.22	6.54	8.52	7.04	3.25	0.33	4.09	8.33						
120	8.84	7.46	2.65	0.50	3.02	5.97	7.85	6.47	3.09	0.35	3.70	6.96						
125	8.10	6.90	2.65	0.52	2.86	5.49	7.16	5.84	2.96	0.36	3.40	6.79						
130	7.40	6.18	2.61	0.53	2.62	4.96	6.49	5.31	2.81	0.38	3.02	6.39						
135	6.71	5.08	2.50	0.55	2.48	4.41	5.83	4.82	2.62	0.43	2.71	5.39						
140	6.01	3.88	2.33	0.56	2.23	3.93	5.11	4.30	2.41	0.44	2.39	4.20						
145	5.24	3.00	2.13	0.57	2.01	3.42	4.52	3.78	2.21	0.46	2.13	3.68						
150	4.43	2.36	1.92	0.64	1.83	2.95	3.85	3.30	2.07	0.55	1.91	3.15						
155	3.75	2.15	1.87	0.64	1.55	2.52	3.29	2.87	1.81	0.60	1.89	2.64						
160	3.13	1.82	1.86	0.64	1.22	2.03	2.71	2.47	1.56	0.62	1.88	2.11						
165	2.64	1.56	1.78	0.64	0.90	1.59	2.26	2.06	1.27	0.67	1.83	1.83						
170	1.37	1.49	1.61	0.64	0.67	1.09	1.10	1.57	1.00	0.69	1.76	1.78						
175	1.13	1.37	1.43	0.64	0.66	0.76	0.84	1.07	0.73	0.70	1.65	1.69						
180	0.67	0.65	0.65	0.64	0.76	0.72	0.67	0.67	0.66	0.70	0.70	0.74						

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-10

γ Range: 0 - 180DEG
 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	27.85	27.83	27.73	27.57	27.53	27.47	27.85	27.83	27.73	27.57
3.0	27.88	27.83	27.73	27.53	27.44	27.33	27.76	27.75	27.64	27.58
6.0	27.87	27.82	27.71	27.40	27.27	27.15	27.62	27.60	27.47	27.42
9.0	27.85	27.73	27.56	27.20	27.00	26.91	27.45	27.39	27.22	27.16
12.0	27.72	27.59	27.32	26.84	26.64	26.64	27.24	27.13	26.86	26.73
15.0	27.55	27.38	26.93	26.38	26.18	26.34	27.00	26.82	26.39	26.20
18.0	27.35	27.13	26.48	25.82	25.65	26.03	26.76	26.49	25.85	25.58
21.0	27.17	26.81	25.93	25.16	25.08	25.68	26.51	26.13	25.26	24.87
24.0	26.99	26.47	25.31	24.41	24.45	25.24	26.23	25.74	24.63	24.08
27.0	26.76	26.11	24.64	23.59	23.78	24.76	25.91	25.31	23.95	23.23
30.0	26.49	25.74	23.89	22.70	23.05	24.23	25.52	24.81	23.24	22.28
33.0	26.18	25.30	23.10	21.72	22.28	23.65	25.09	24.28	22.49	21.28
36.0	25.81	24.83	22.28	20.66	21.47	23.02	24.61	23.68	21.70	20.21
39.0	25.40	24.33	21.46	19.57	20.60	22.41	24.12	23.04	20.86	19.08
42.0	24.95	23.77	20.62	18.42	19.68	21.85	23.69	22.39	19.97	17.89
45.0	24.45	23.16	19.75	17.21	18.73	21.24	23.24	21.80	19.04	16.67
48.0	23.93	22.52	18.85	15.99	17.73	20.59	22.75	21.20	18.06	15.39
51.0	23.44	21.85	17.92	14.69	16.72	19.91	22.23	20.55	17.05	14.10
54.0	22.91	21.18	16.96	13.36	15.72	19.22	21.68	19.88	16.02	12.79
57.0	22.36	20.52	15.97	12.02	14.74	18.50	21.09	19.18	14.99	11.44
60.0	21.78	19.84	14.96	10.64	13.75	17.79	20.51	18.44	13.99	10.06
63.0	21.19	19.16	13.95	9.243	12.75	17.08	19.91	17.76	12.99	8.709
66.0	20.58	18.44	12.94	7.887	11.78	16.42	19.32	17.05	12.00	7.341
69.0	19.96	17.73	11.98	6.499	10.80	15.73	18.71	16.36	11.04	5.989
72.0	19.36	17.02	11.07	5.152	9.889	15.06	18.10	15.71	10.08	4.683
75.0	18.73	16.37	10.16	3.872	9.049	14.42	17.48	15.04	9.209	3.436
78.0	18.09	15.70	9.316	2.661	8.280	13.76	16.85	14.39	8.405	2.270
81.0	17.43	15.04	8.561	1.596	7.586	13.13	16.21	13.74	7.687	1.279
84.0	16.77	14.40	7.883	0.8121	6.963	12.45	15.54	13.10	7.039	0.4849
87.0	16.08	13.74	7.295	0.3819	6.390	11.79	14.82	12.41	6.481	0.2968
90.0	15.38	13.09	6.771	0.3719	5.892	11.17	14.12	11.77	5.949	0.2749
93.0	14.65	12.42	6.304	0.3820	5.469	10.55	13.45	11.15	5.502	0.2798
96.0	13.94	11.78	5.897	0.3971	5.133	10.000	12.78	10.56	5.145	0.2848
99.0	13.25	10.57	5.550	0.4172	4.856	8.679	12.04	9.198	4.854	0.2897
102.0	12.30	9.839	5.233	0.4495	4.510	8.397	11.27	8.856	4.549	0.3215
105.0	11.66	9.442	4.625	0.4558	3.660	8.076	10.69	8.535	3.679	0.3236
108.0	11.03	9.020	4.579	0.4620	3.523	7.728	10.15	8.113	3.658	0.3256
111.0	10.42	8.573	4.394	0.4683	3.458	7.105	9.567	7.521	3.437	0.3276
114.0	9.847	8.166	3.826	0.4738	3.252	6.663	8.732	7.193	3.267	0.3297
117.0	9.315	7.794	3.188	0.4826	3.127	6.291	8.231	6.846	3.131	0.3317
120.0	8.842	7.457	2.645	0.4975	3.021	5.975	7.854	6.469	3.091	0.3467
123.0	8.390	7.121	2.618	0.5026	2.925	5.688	7.437	6.082	3.025	0.3568
126.0	7.962	6.794	2.641	0.5177	2.820	5.382	7.029	5.725	2.935	0.3643
129.0	7.540	6.431	2.620	0.5277	2.665	5.080	6.637	5.399	2.849	0.3819
132.0	7.118	5.723	2.599	0.5378	2.573	4.769	6.221	5.112	2.739	0.3920
135.0	6.711	5.079	2.498	0.5528	2.483	4.412	5.833	4.815	2.623	0.4270
138.0	6.294	4.225	2.393	0.5593	2.338	4.115	5.346	4.489	2.492	0.4409
141.0	5.867	3.651	2.287	0.5636	2.177	3.829	5.004	4.202	2.366	0.4466
144.0	5.404	3.125	2.167	0.5679	2.026	3.522	4.633	3.850	2.246	0.4523
147.0	4.917	2.718	2.041	0.5933	1.945	3.221	4.175	3.579	2.126	0.4823
150.0	4.434	2.356	1.915	0.6385	1.830	2.954	3.848	3.303	2.070	0.5477
153.0	4.012	2.221	1.839	0.6391	1.659	2.688	3.507	3.041	1.904	0.5928
156.0	3.620	2.090	1.872	0.6396	1.473	2.422	3.180	2.790	1.759	0.6030
159.0	3.278	1.899	1.867	0.6401	1.277	2.135	2.863	2.564	1.603	0.6181
162.0	2.921	1.708	1.835	0.6407	1.116	1.889	2.527	2.348	1.437	0.6531
165.0	2.640	1.563	1.784	0.6412	0.9009	1.587	2.260	2.056	1.266	0.6734
168.0	1.476	1.518	1.704	0.6417	0.6788	1.276	1.185	1.755	1.105	0.6785
171.0	1.332	1.472	1.593	0.6422	0.6734	0.9584	1.075	1.458	0.9287	0.6910
174.0	1.177	1.417	1.493	0.6428	0.6635	0.8084	0.8790	1.152	0.7642	0.6948
177.0	1.031	1.229	1.113	0.6433	0.6584	0.6584	0.7530	0.7455	0.6533	0.6986
180.0	0.6734	0.6533	0.6533	0.6433	0.7589	0.7237	0.6734	0.6684	0.6584	0.6986
G/C	300.0	330.0								
0.0	27.53	27.47								
3.0	27.51	27.55								
6.0	27.45	27.55								
9.0	27.30	27.54								
12.0	27.03	27.49								
15.0	26.64	27.32								
18.0	26.17	27.03								
21.0	25.62	26.70								
24.0	25.00	26.35								
27.0	24.30	26.00								
30.0	23.54	25.67								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-10

γ Range: 0 - 180DEG
 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:

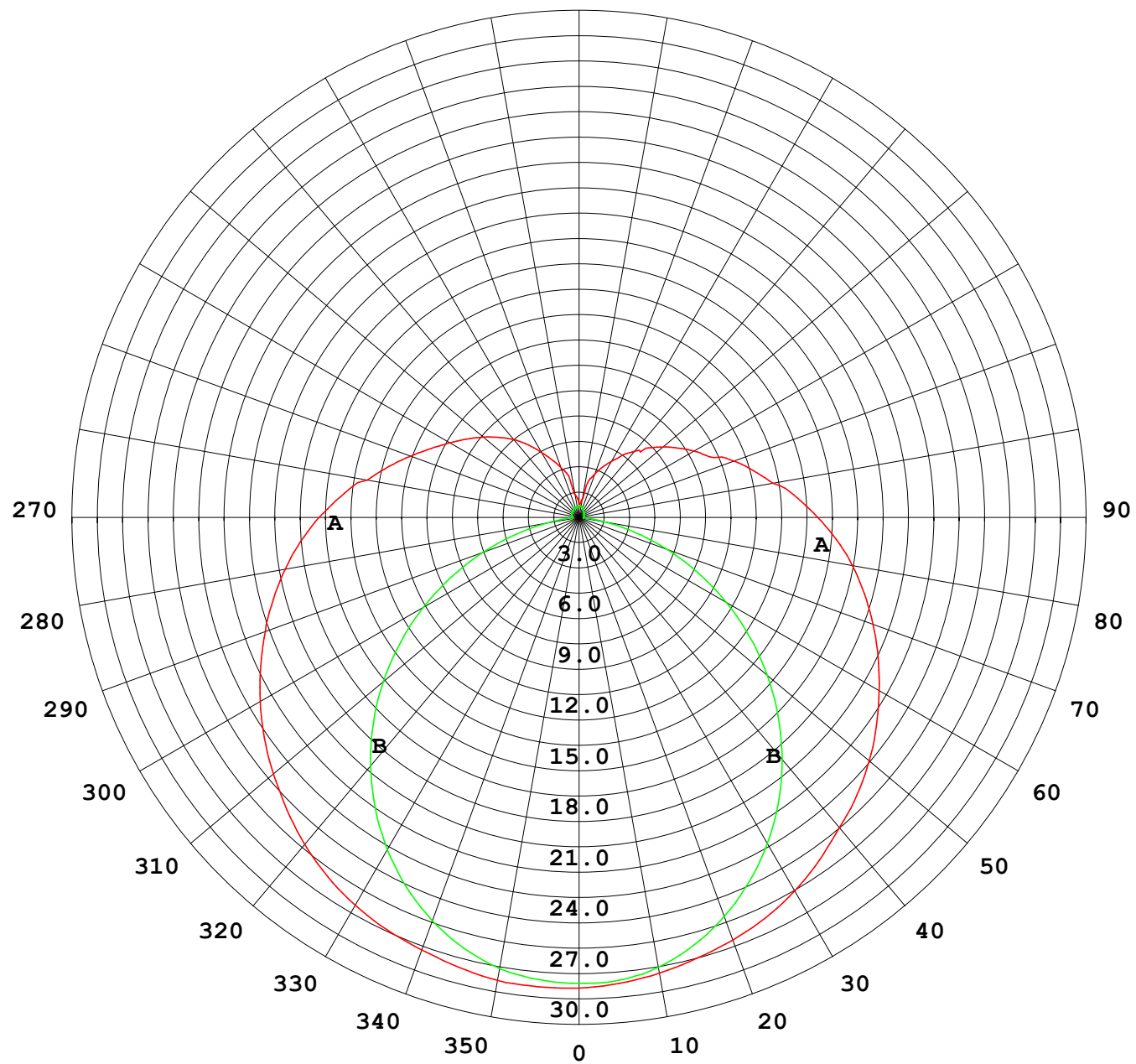
Photometric Data Table [cd]

33.0	22.78	25.32
36.0	22.01	24.89
39.0	21.22	24.44
42.0	20.41	23.93
45.0	19.61	23.39
48.0	18.80	22.80
51.0	17.90	22.18
54.0	16.97	21.53
57.0	16.04	20.85
60.0	15.07	20.20
63.0	14.10	19.56
66.0	13.11	18.88
69.0	12.14	18.18
72.0	11.24	17.52
75.0	10.35	16.86
78.0	9.506	16.21
81.0	8.732	15.56
84.0	8.044	14.92
87.0	7.436	14.27
90.0	6.909	13.64
93.0	6.451	13.01
96.0	6.024	12.37
99.0	5.658	11.20
102.0	5.304	10.33
105.0	4.583	9.957
108.0	4.295	9.525
111.0	4.135	9.068
114.0	4.151	8.525
117.0	3.919	7.758
120.0	3.698	6.957
123.0	3.507	6.820
126.0	3.311	6.730
129.0	3.090	6.489
132.0	2.899	6.008
135.0	2.713	5.394
138.0	2.507	4.741
141.0	2.331	4.157
144.0	2.196	3.816
147.0	2.040	3.439
150.0	1.906	3.152
153.0	1.894	2.856
156.0	1.885	2.529
159.0	1.879	2.222
162.0	1.874	1.951
165.0	1.834	1.826
168.0	1.804	1.799
171.0	1.739	1.773
174.0	1.673	1.724
177.0	1.410	1.629
180.0	0.6986	0.7388

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-10

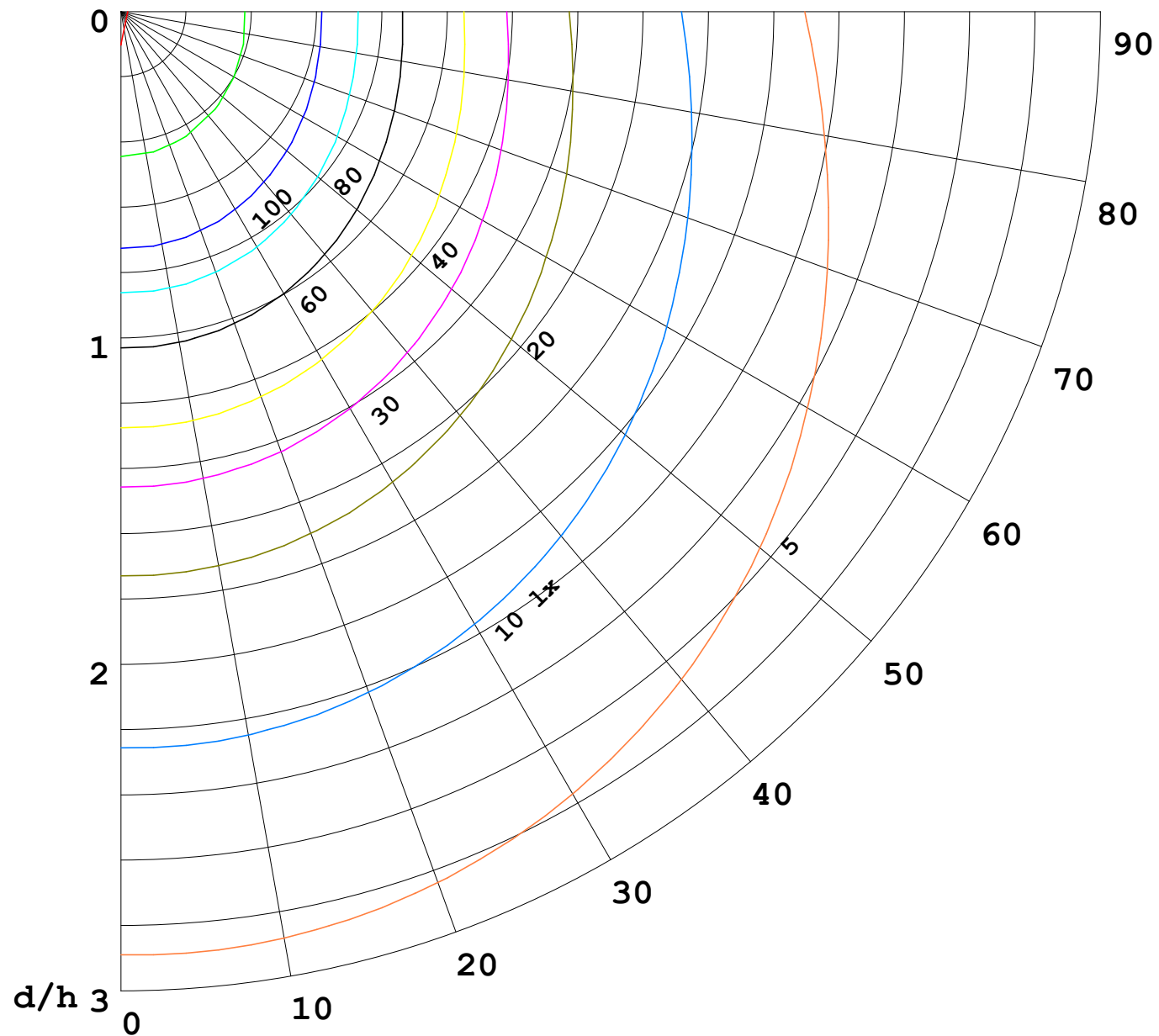
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

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

