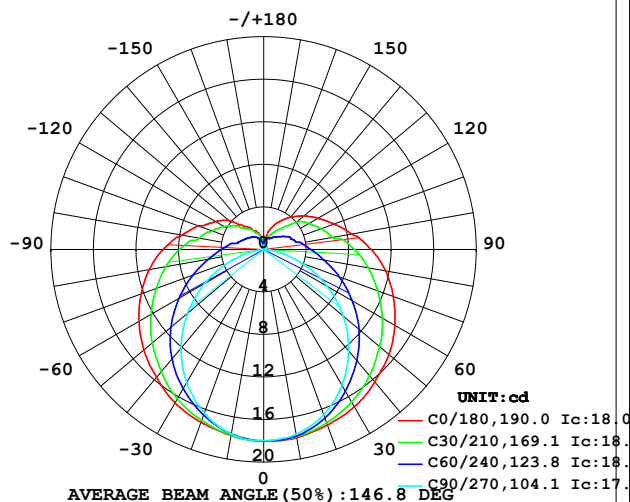


## LUMINAIRE PHOTOMETRIC TEST REPORT

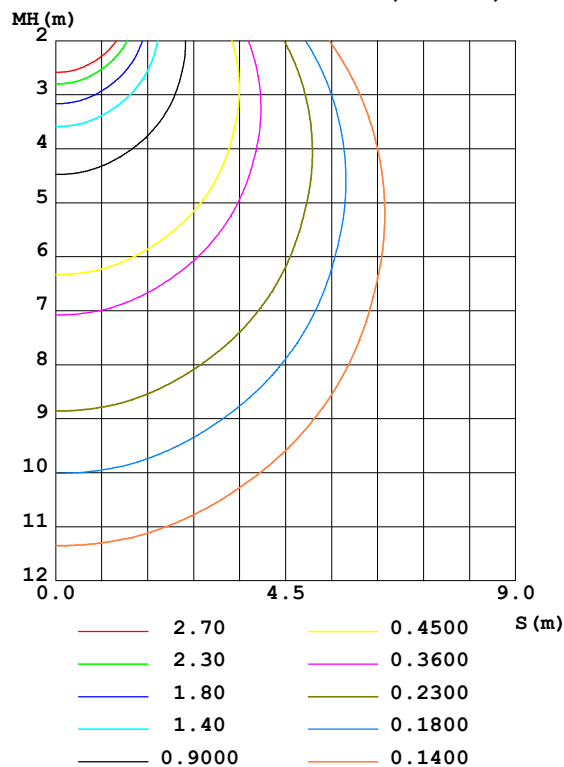
Test:U:24.00V I:0.3167A P:7.601W PF:1.000 Freq:50.00Hz Lamp Flux:89.9337x1 lm		
NAME: SF21-24V-5050-70-DMX3-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121512
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 11.83 lm/W
MODEL	5050	I <sub>max</sub> (cd)	18.05	S/MH (C0/180)	1.39	
NOMINAL POWER (W)	5	LOR (%)	100.0	S/MH (C90/270)	1.20	
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	89.934	η UP, DN (C0-180)	11.5, 39.0	
NOMINAL FLUX (lm)	89.9337	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	11.1, 38.4	
LAMPS INSIDE	1	η up (%)	22.6	CIBSE SHR NOM	1.50	
TEST VOLTAGE (V)	24	η down (%)	77.4	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: 2021-12-15

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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	17.97	17.84	17.65	17.68	17.77	17.69	17.62	17.82	0- 10	1.708	1.708	1.9,1.9
20	17.56	17.11	16.53	16.88	17.29	16.83	16.36	16.99	10- 20	4.916	6.623	7.36,7.36
30	17.08	15.97	14.74	15.73	16.66	15.69	14.48	15.85	20- 30	7.571	14.19	15.8,15.8
40	16.27	14.56	12.44	14.25	15.68	14.21	12.08	14.50	30- 40	9.445	23.64	26.3,26.3
50	15.38	12.97	9.768	12.56	14.72	12.54	9.346	12.94	40- 50	10.40	34.04	37.9,37.9
60	14.25	11.24	6.868	10.73	13.53	10.71	6.425	11.24	50- 60	10.47	44.51	49.5,49.5
70	12.97	9.497	3.902	8.941	12.26	8.925	3.400	9.503	60- 70	9.711	54.22	60.3,60.3
80	11.64	7.878	1.204	7.330	10.93	7.300	0.8460	7.878	70- 80	8.418	62.64	69.6,69.6
90	10.11	6.491	0.2565	5.986	9.457	5.958	0.1438	6.506	80- 90	7.008	69.65	77.4,77.4
100	8.415	5.084	0.2554	4.676	7.809	4.666	0.1454	5.106	90-100	5.753	75.40	83.8,83.8
110	7.038	4.287	0.2755	3.688	6.546	3.742	0.1489	4.303	100-110	4.456	79.86	88.8,88.8
120	5.896	3.674	0.3056	3.093	5.256	3.157	0.2008	3.634	110-120	3.502	83.36	92.7,92.7
130	4.911	2.937	0.3277	2.608	4.230	2.616	0.2080	2.966	120-130	2.666	86.02	95.7,95.7
140	3.967	2.078	0.3508	2.073	2.854	2.066	0.2362	1.988	130-140	1.781	87.80	97.6,97.6
150	3.077	1.535	0.3646	1.689	2.234	1.714	0.2964	1.530	140-150	1.127	88.93	98.9,98.9
160	2.207	1.204	0.3710	1.294	1.718	1.286	0.3316	1.171	150-160	0.6430	89.57	99.6,99.6
170	0.9050	0.9625	0.3774	0.8191	0.7111	0.8292	0.3690	0.9799	160-170	0.2937	89.87	99.9,99.9
180	0.4021	0.3945	0.3820	0.3870	0.3970	0.3995	0.3719	0.3895	170-180	0.0659	89.93	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 28.777 lm

%lum = 32.0%

%lamp = 32.0%

Conical surface Flux(120deg): 44.51 lm

%lum = 49.5%

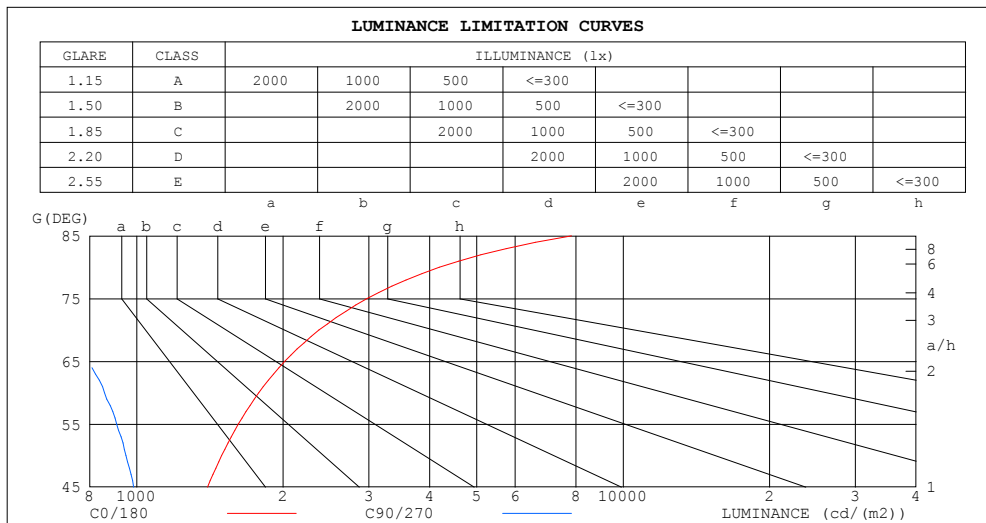
%lamp = 49.5%

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2021-12-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.3167A P:7.601W PF:1.000 Freq:50.00Hz Lamp Flux:89.9337x1 lm		
NAME: SF21-24V-5050-70-DMX3-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121512
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	7826	209
80	4190	433
75	2975	597
70	2371	713
65	2013	797
60	1781	858
55	1618	910
50	1495	950
45	1398	986

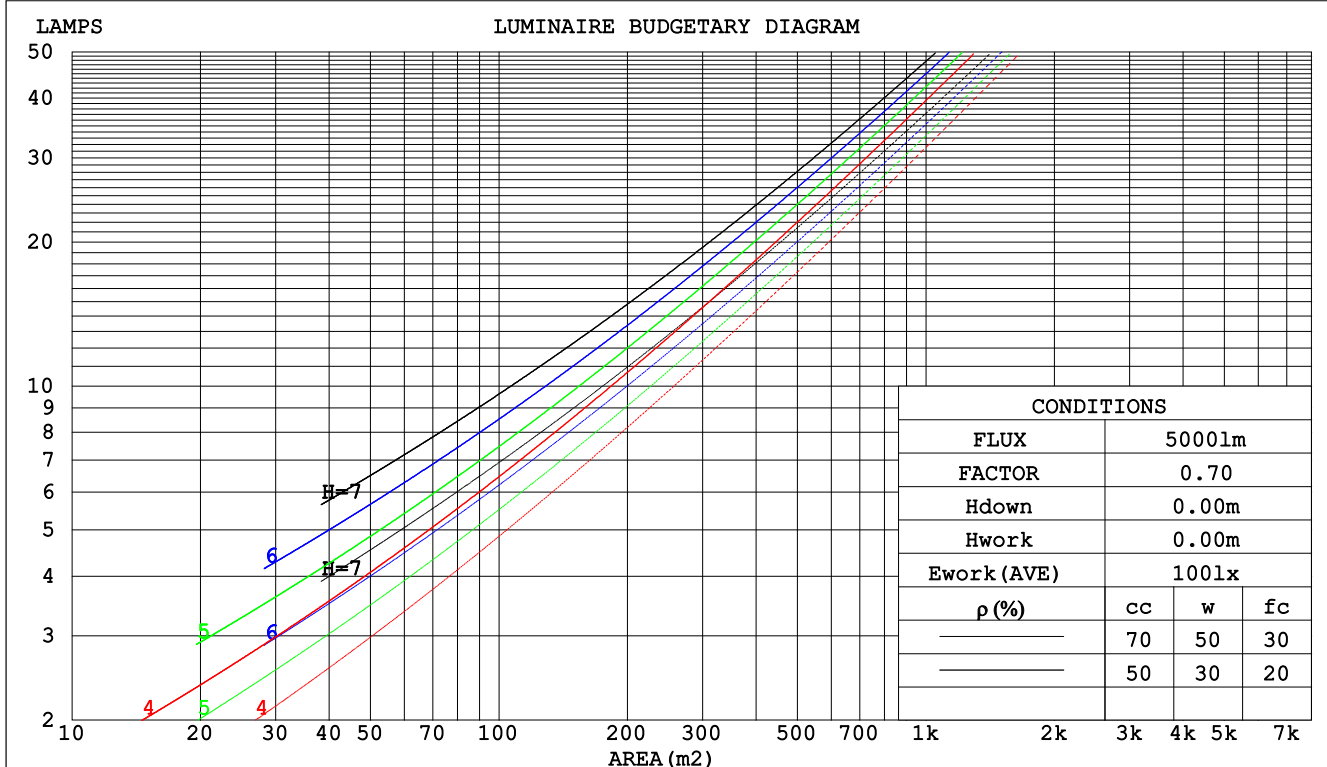
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.3167A P:7.601W PF:1.000 Freq:50.00Hz Lamp Flux:89.9337x1 lm		
NAME: SF21-24V-5050-70-DMX3-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121512
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
p <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p <sub>fc</sub>	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	.77
1.0	.94	.89	.84	.90	.85	.81	.81	.77	.74	.74	.70	.68	.66	.64	.62	.58
2.0	.81	.73	.66	.77	.70	.64	.69	.64	.59	.63	.58	.54	.57	.53	.49	.46
3.0	.70	.61	.54	.67	.58	.52	.60	.54	.48	.54	.49	.44	.49	.45	.41	.37
4.0	.61	.52	.45	.58	.50	.43	.53	.46	.40	.48	.42	.37	.43	.38	.34	.31
5.0	.54	.45	.38	.52	.43	.37	.47	.40	.34	.43	.37	.32	.39	.34	.29	.27
6.0	.49	.39	.33	.46	.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	.22	.20
8.0	.40	.31	.25	.38	.30	.24	.35	.28	.23	.32	.26	.21	.29	.24	.20	.18
9.0	.36	.28	.22	.35	.27	.22	.32	.25	.20	.29	.23	.19	.27	.22	.18	.16
10.0	.33	.25	.20	.32	.25	.20	.30	.23	.18	.27	.21	.17	.25	.20	.16	.14



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2021-12-15

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:0.3167A P:7.601W PF:1.000 Freq:50.00Hz Lamp Flux:89.9337x1 lm		
NAME: SF21-24V-5050-70-DMX3-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121512
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 Coefficients(WEC)										
0.0																	
1.0	.388	.221	.070	.374	.213	.068	.347	.199	.064	.323	.186	.060	.301	.174	.056		
2.0	.334	.183	.056	.321	.177	.054	.297	.165	.051	.275	.154	.048	.255	.144	.045		
3.0	.296	.157	.047	.284	.152	.046	.262	.142	.043	.242	.133	.041	.224	.124	.038		
4.0	.266	.138	.041	.255	.134	.039	.236	.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	.087	.026		
7.0	.204	.101	.029	.196	.098	.028	.181	.091	.026	.167	.085	.025	.153	.080	.023		
8.0	.189	.092	.026	.182	.089	.025	.168	.084	.024	.155	.078	.023	.142	.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	.362	.362	.362	.310	.310	.310	.211	.211	.211	.121	.121	.121	.039	.039	.039		
1.0	.359	.329	.301	.307	.282	.259	.210	.194	.179	.121	.112	.104	.039	.036	.034		
2.0	.352	.306	.267	.302	.264	.231	.207	.182	.161	.119	.106	.095	.038	.034	.031		
3.0	.345	.290	.246	.296	.250	.213	.203	.174	.150	.117	.101	.088	.038	.033	.029		
4.0	.337	.278	.232	.289	.240	.202	.199	.167	.142	.115	.098	.084	.037	.032	.028		
5.0	.329	.268	.222	.283	.232	.193	.195	.162	.137	.113	.095	.081	.036	.031	.027		
6.0	.322	.260	.215	.277	.225	.188	.191	.158	.133	.111	.093	.079	.036	.030	.026		
7.0	.315	.253	.210	.271	.220	.183	.187	.154	.130	.109	.091	.077	.035	.030	.026		
8.0	.308	.248	.206	.265	.215	.180	.184	.151	.128	.107	.089	.076	.035	.029	.025		
9.0	.302	.243	.203	.260	.211	.177	.180	.148	.126	.105	.088	.075	.034	.029	.025		
10.0	.296	.239	.201	.255	.208	.175	.177	.146	.125	.103	.086	.074	.034	.028	.025		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-15

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:0.3167A P:7.601W PF:1.000 Freq:50.00Hz Lamp Flux:89.9337x1 lm										
NAME: SF21-24V-5050-70-DMX3-RGB-G					TYPE: 硅胶			WEIGHT:		
SPEC.:					DIM.: 28mm*11.5mm			SERIAL No.:2021121512		
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	22.6	24.0	24.6	19.4	20.7	19.9	21.3	21.9
3H	24.9	26.1	25.5	26.7	27.4	20.8	22.0	21.4	22.6	23.3
4H	26.5	27.6	27.1	28.3	29.0	21.3	22.5	21.9	23.1	23.8
6H	28.3	29.4	28.9	30.0	30.7	21.7	22.8	22.3	23.4	24.1
8H	29.3	30.3	29.9	30.9	31.7	21.7	22.8	22.4	23.4	24.2
12H	30.4	31.4	31.0	32.1	32.8	21.7	22.8	22.4	23.4	24.2
4H 2H	22.6	23.8	23.2	24.4	25.1	20.7	21.8	21.3	22.5	23.2
3H	25.7	26.7	26.3	27.4	28.1	22.4	23.5	23.1	24.1	24.9
4H	27.5	28.4	28.2	29.1	29.9	23.2	24.2	23.9	24.8	25.6
6H	29.5	30.3	30.2	31.0	31.8	23.8	24.7	24.5	25.4	26.2
8H	30.6	31.4	31.3	32.1	32.9	24.0	24.8	24.7	25.5	26.4
12H	31.9	32.6	32.6	33.3	34.2	24.1	24.8	24.9	25.6	26.4
8H 4H	27.8	28.6	28.5	29.3	30.2	24.5	25.3	25.3	26.0	26.9
6H	30.1	30.8	30.9	31.5	32.4	25.6	26.3	26.3	27.0	27.9
8H	31.5	32.0	32.2	32.8	33.7	26.1	26.7	26.8	27.4	28.3
12H	33.0	33.5	33.8	34.3	35.2	26.4	26.9	27.2	27.7	28.6
12H 4H	27.8	28.5	28.6	29.3	30.1	25.0	25.7	25.7	26.4	27.3
6H	30.2	30.8	31.0	31.6	32.5	26.3	26.9	27.1	27.7	28.6
8H	31.7	32.2	32.5	33.0	33.9	27.0	27.5	27.8	28.3	29.2
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, 89.93 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -8.4)

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2021-12-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.3167A P:7.601W PF:1.000 Freq:50.00Hz Lamp Flux:89.9337x1 lm		
NAME: SF21-24V-5050-70-DMX3-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121512
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

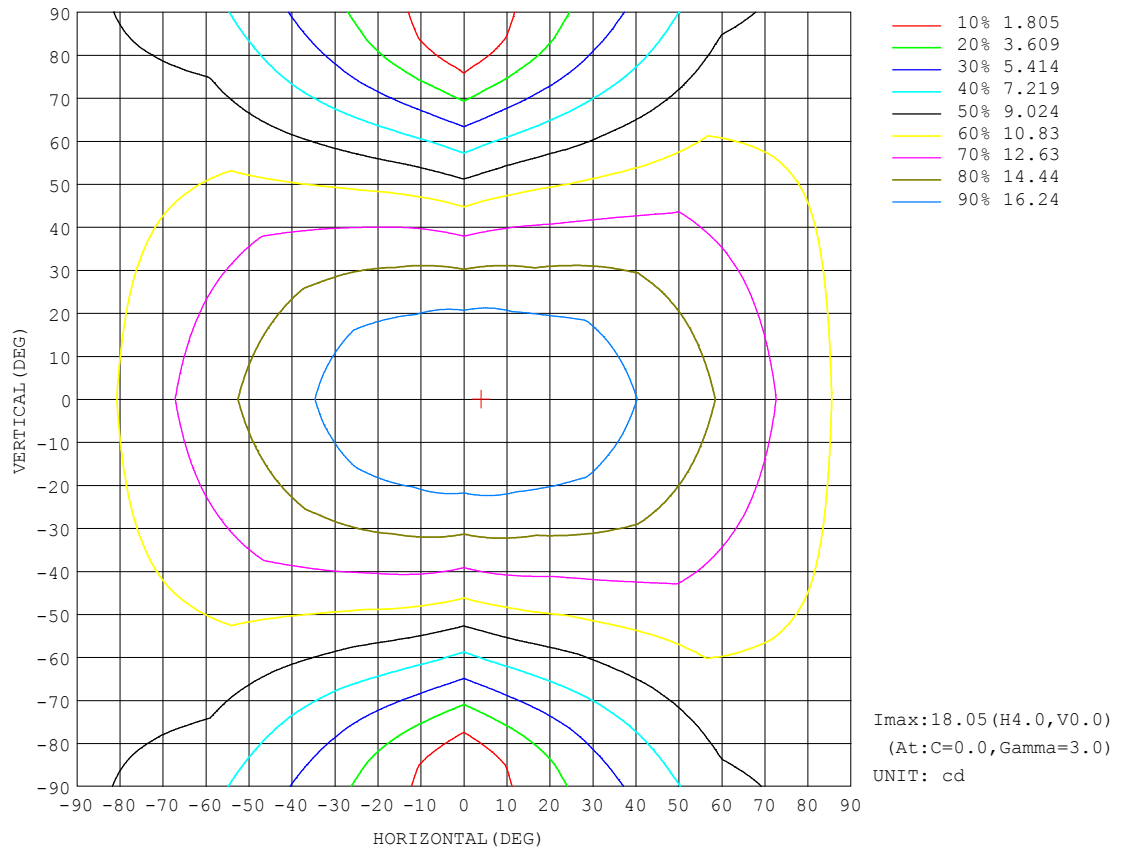
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	34	27	45	33	26	43	32	26	19
0.80	55	42	34	54	41	34	50	40	33	25
1.00	63	50	41	61	49	41	57	49	39	30
1.25	70	57	48	67	55	47	62	53	45	35
1.50	75	62	54	72	61	53	67	57	50	39
2.00	82	71	62	79	69	61	73	64	58	45
2.50	87	76	68	83	74	66	76	68	62	49
3.00	91	81	73	87	78	71	79	72	67	52
4.00	95	87	80	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:2021-12-15

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:0.3167A P:7.601W PF:1.000 Freq:50.00Hz Lamp Flux:89.9337x1 lm		
NAME: SF21-24V-5050-70-DMX3-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121512
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



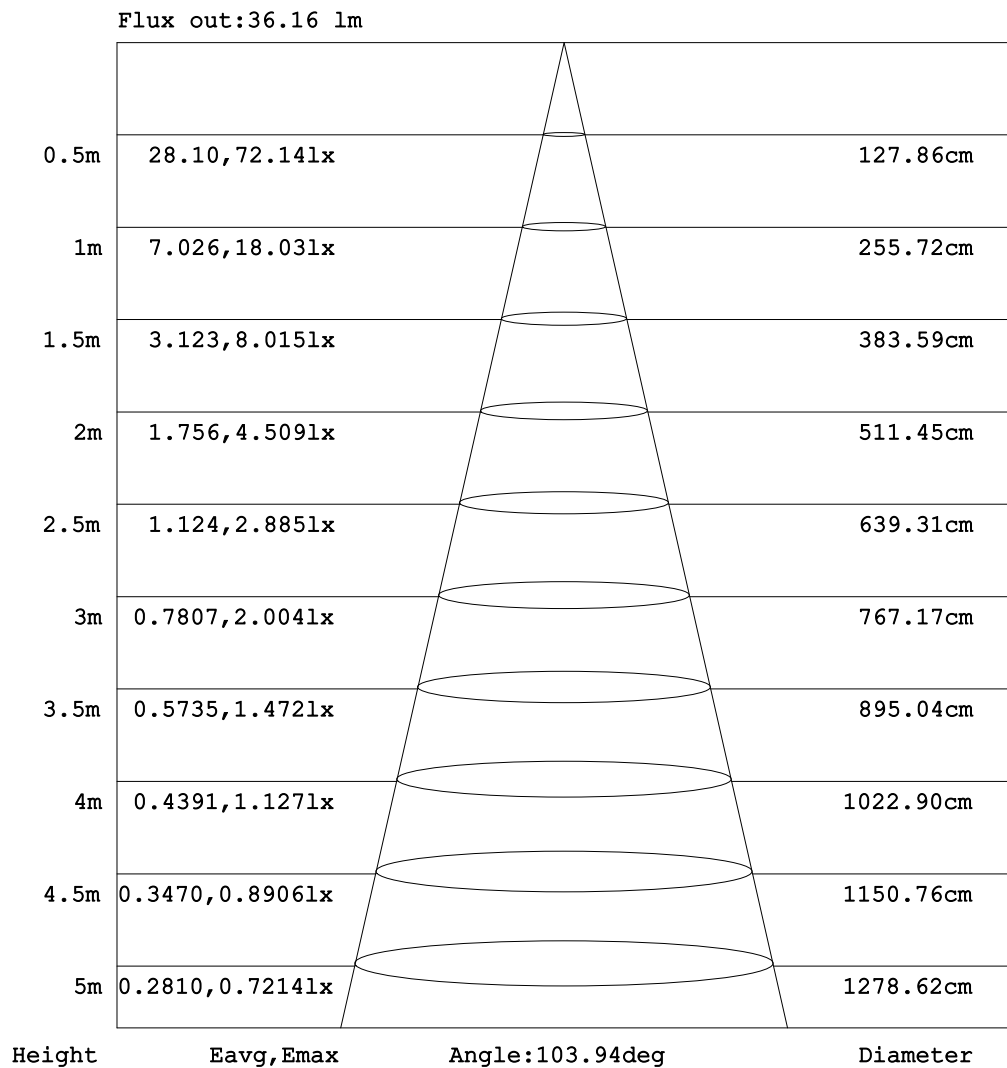
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.3167A P:7.601W PF:1.000 Freq:50.00Hz Lamp Flux:89.9337x1 lm		
NAME: SF21-24V-5050-70-DMX3-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121512
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



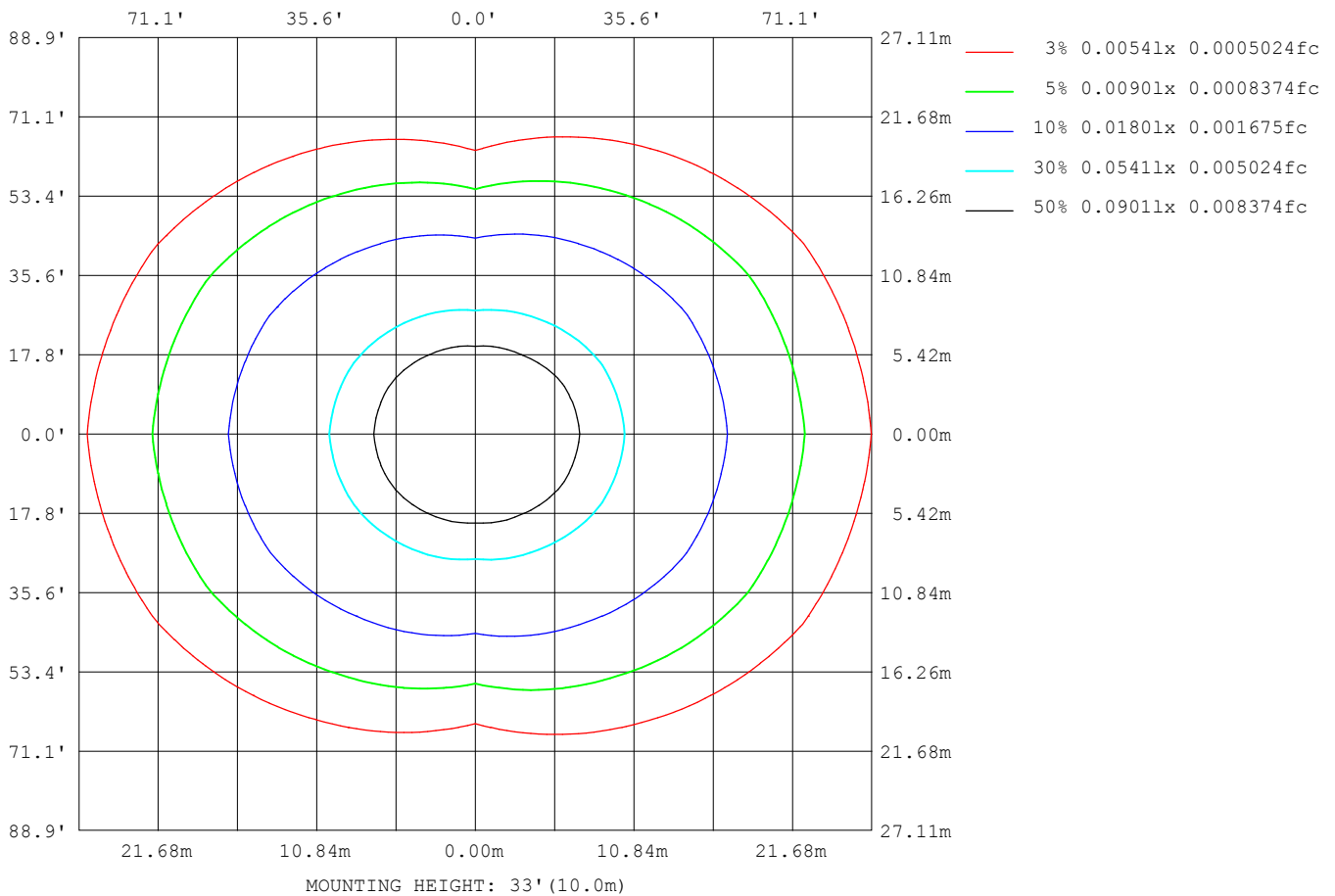
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LPC  
 Test Date: 2021-12-15

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:0.3167A P:7.601W PF:1.000 Freq:50.00Hz Lamp Flux:89.9337x1 lm		
NAME: SF21-24V-5050-70-DMX3-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121512
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:2021-12-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.3167A P:7.601W PF:1.000 Freq:50.00Hz Lamp Flux:89.9337x1 lm		
NAME: SF21-24V-5050-70-DMX3-RGB-G	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121512
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

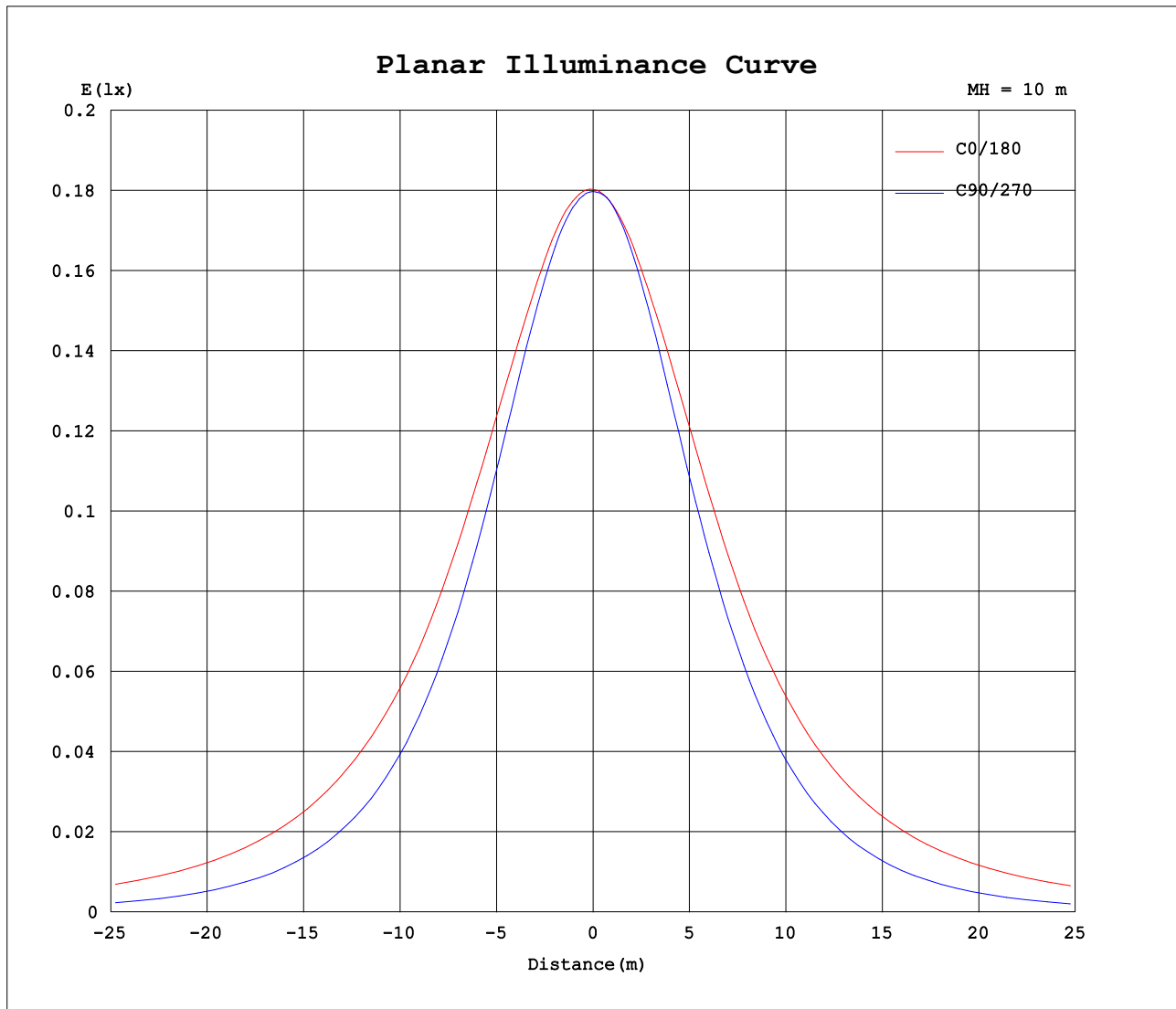
AvgL	cd/m2
L_0~180 (65) av	1961
L_0~180 (75) av	2890
L_0~180 (85) av	7577
L_90~270 (65) av	760
L_90~270 (75) av	541
L_90~270 (85) av	171
L_45 (65) av	1508
L_45 (75) av	2062
L_45 (85) av	5074

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-15

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: 2021-12-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.3167A P:7.601W PF:1.000 Freq:50.00Hz Lamp Flux:89.9337x1 lm		
NAME: SF21-24V-5050-70-DMX3-RGB-G	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121512
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	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0						
5	18.0	18.0	18.0	17.9	17.9	17.9	17.9	18.0	17.9	17.9	17.9	18.0						
10	18.0	17.9	17.8	17.6	17.7	17.7	17.8	17.8	17.6	17.6	17.7	17.9						
15	17.8	17.7	17.4	17.2	17.2	17.4	17.5	17.4	17.2	17.1	17.3	17.7						
20	17.6	17.3	16.9	16.5	16.7	17.1	17.3	17.1	16.6	16.4	16.7	17.3						
25	17.4	17.0	16.2	15.7	16.0	16.7	17.0	16.7	15.9	15.5	16.0	16.9						
30	17.1	16.6	15.4	14.7	15.3	16.2	16.7	16.2	15.1	14.5	15.1	16.6						
35	16.7	16.1	14.5	13.6	14.5	15.6	16.2	15.7	14.3	13.3	14.3	16.1						
40	16.3	15.5	13.6	12.4	13.5	15.0	15.7	15.0	13.4	12.1	13.5	15.5						
45	15.8	14.9	12.7	11.2	12.5	14.3	15.2	14.3	12.4	10.7	12.6	14.9						
50	15.4	14.2	11.7	9.77	11.5	13.6	14.7	13.7	11.4	9.35	11.6	14.2						
55	14.8	13.6	10.7	8.35	10.4	12.9	14.2	13.0	10.3	7.90	10.6	13.6						
60	14.2	12.9	9.60	6.87	9.29	12.2	13.5	12.2	9.20	6.42	9.53	12.9						
65	13.6	12.1	8.57	5.39	8.22	11.4	12.9	11.5	8.14	4.89	8.49	12.2						
70	13.0	11.4	7.58	3.90	7.18	10.7	12.3	10.7	7.10	3.40	7.52	11.5						
75	12.3	10.7	6.62	2.47	6.22	9.99	11.6	10.0	6.12	2.01	6.56	10.8						
80	11.6	9.99	5.76	1.20	5.38	9.28	10.9	9.32	5.28	0.85	5.69	10.1						
85	10.9	9.28	5.04	0.29	4.68	8.59	10.2	8.64	4.57	0.19	4.96	9.35						
90	10.1	8.54	4.44	0.26	4.10	7.87	9.46	7.93	3.99	0.14	4.38	8.64						
95	9.34	7.84	3.96	0.25	3.63	7.20	8.71	7.24	3.52	0.14	3.88	7.92						
100	8.42	6.57	3.59	0.26	3.31	6.04	7.81	6.15	3.18	0.15	3.50	6.72						
105	7.72	6.17	3.08	0.27	2.44	5.67	7.15	5.75	2.51	0.15	3.01	6.29						
110	7.04	5.72	2.85	0.28	2.37	5.01	6.55	5.15	2.33	0.15	2.82	5.79						
115	6.44	5.30	2.73	0.29	2.20	4.52	5.74	4.74	2.14	0.15	2.60	5.36						
120	5.90	4.92	2.42	0.31	1.97	4.22	5.26	4.31	2.00	0.20	2.30	4.97						
125	5.40	4.54	2.15	0.32	1.87	3.89	4.79	3.90	1.88	0.20	2.11	4.59						
130	4.91	3.98	1.90	0.33	1.75	3.46	4.23	3.49	1.74	0.21	1.88	4.05						
135	4.43	3.19	1.69	0.34	1.66	2.84	3.27	2.84	1.65	0.22	1.65	3.32						
140	3.97	2.63	1.53	0.35	1.59	2.56	2.85	2.59	1.54	0.24	1.44	2.54						
145	3.52	2.22	1.38	0.36	1.47	2.28	2.55	2.37	1.43	0.28	1.29	2.25						
150	3.08	1.85	1.22	0.36	1.34	2.04	2.23	2.10	1.33	0.30	1.14	1.93						
155	2.62	1.52	1.18	0.37	1.20	1.74	1.98	1.76	1.17	0.30	1.11	1.59						
160	2.21	1.25	1.16	0.37	1.08	1.51	1.72	1.57	1.00	0.33	1.08	1.27						
165	1.78	1.02	1.11	0.37	0.90	1.25	1.46	1.33	0.82	0.35	1.01	1.10						
170	0.91	0.94	0.98	0.38	0.69	0.95	0.71	0.98	0.68	0.37	0.93	1.03						
175	0.70	0.79	0.84	0.38	0.56	0.61	0.56	0.72	0.55	0.37	0.79	0.88						
180	0.40	0.40	0.39	0.38	0.39	0.39	0.40	0.41	0.39	0.37	0.38	0.40						

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-15

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	18.03	18.03	18.00	17.97	17.99	18.00	18.03	18.03	18.00	17.97
3.0	18.05	18.02	17.99	17.94	17.98	17.95	17.98	18.03	17.95	17.97
6.0	18.03	17.99	17.97	17.87	17.89	17.86	17.91	17.93	17.84	17.89
9.0	18.00	17.92	17.87	17.72	17.74	17.73	17.81	17.81	17.68	17.71
12.0	17.90	17.81	17.69	17.47	17.53	17.58	17.69	17.64	17.45	17.43
15.0	17.78	17.65	17.42	17.17	17.24	17.39	17.52	17.44	17.15	17.08
18.0	17.65	17.48	17.10	16.81	16.93	17.19	17.38	17.23	16.82	16.70
21.0	17.53	17.28	16.74	16.37	16.56	16.99	17.24	17.03	16.44	16.18
24.0	17.40	17.04	16.33	15.89	16.15	16.77	17.08	16.80	16.03	15.70
27.0	17.25	16.81	15.87	15.33	15.73	16.50	16.89	16.54	15.59	15.08
30.0	17.08	16.56	15.38	14.74	15.27	16.19	16.66	16.24	15.14	14.48
33.0	16.89	16.27	14.86	14.10	14.78	15.88	16.41	15.91	14.65	13.82
36.0	16.65	15.95	14.34	13.41	14.28	15.49	16.11	15.54	14.15	13.09
39.0	16.36	15.62	13.81	12.67	13.73	15.09	15.78	15.13	13.61	12.34
42.0	16.06	15.26	13.26	11.94	13.15	14.66	15.50	14.71	13.03	11.59
45.0	15.81	14.85	12.70	11.15	12.55	14.28	15.23	14.33	12.43	10.75
48.0	15.57	14.45	12.10	10.34	11.91	13.91	14.93	13.94	11.81	9.903
51.0	15.28	14.11	11.51	9.501	11.27	13.49	14.61	13.55	11.17	9.074
54.0	14.96	13.72	10.88	8.632	10.60	13.07	14.27	13.12	10.51	8.174
57.0	14.61	13.32	10.25	7.782	9.923	12.62	13.91	12.68	9.838	7.285
60.0	14.25	12.89	9.596	6.868	9.290	12.17	13.53	12.22	9.200	6.425
63.0	13.87	12.45	8.964	5.973	8.652	11.73	13.17	11.79	8.561	5.511
66.0	13.49	11.99	8.375	5.094	8.018	11.29	12.78	11.34	7.933	4.596
69.0	13.10	11.56	7.772	4.194	7.390	10.84	12.39	10.89	7.305	3.701
72.0	12.72	11.12	7.184	3.314	6.787	10.41	12.00	10.46	6.697	2.867
75.0	12.32	10.70	6.621	2.471	6.219	9.990	11.61	10.03	6.125	2.008
78.0	11.91	10.27	6.083	1.662	5.696	9.558	11.21	9.610	5.597	1.299
81.0	11.49	9.839	5.600	0.9883	5.223	9.151	10.79	9.198	5.125	0.6648
84.0	11.06	9.427	5.173	0.4408	4.806	8.738	10.37	8.776	4.697	0.2174
87.0	10.60	8.995	4.791	0.2744	4.434	8.306	9.934	8.354	4.321	0.1559
90.0	10.11	8.543	4.439	0.2565	4.097	7.874	9.457	7.927	3.989	0.1438
93.0	9.641	8.115	4.137	0.2526	3.805	7.462	9.009	7.485	3.693	0.1443
96.0	9.194	7.703	3.876	0.2463	3.559	7.065	8.567	7.108	3.437	0.1447
99.0	8.593	6.718	3.660	0.2533	3.363	6.091	7.949	6.229	3.246	0.1452
102.0	8.128	6.422	3.364	0.2594	2.852	5.910	7.542	6.006	2.822	0.1459
105.0	7.716	6.171	3.076	0.2654	2.443	5.673	7.145	5.750	2.513	0.1470
108.0	7.304	5.914	2.981	0.2715	2.392	5.380	6.778	5.369	2.427	0.1482
111.0	6.912	5.633	2.760	0.2775	2.352	4.899	6.270	5.087	2.291	0.1493
114.0	6.555	5.382	2.774	0.2915	2.242	4.623	5.844	4.836	2.176	0.1504
117.0	6.218	5.146	2.699	0.2966	2.106	4.377	5.537	4.574	2.090	0.1608
120.0	5.896	4.925	2.423	0.3056	1.970	4.216	5.256	4.313	2.001	0.2008
123.0	5.595	4.698	2.272	0.3136	1.900	4.055	4.980	4.072	1.931	0.1975
126.0	5.303	4.472	2.096	0.3196	1.865	3.799	4.688	3.815	1.856	0.2020
129.0	5.012	4.145	1.946	0.3257	1.790	3.567	4.366	3.594	1.772	0.2065
132.0	4.720	3.632	1.810	0.3317	1.724	3.271	3.878	3.283	1.708	0.2110
135.0	4.434	3.185	1.694	0.3377	1.659	2.839	3.267	2.841	1.648	0.2161
138.0	4.157	2.814	1.593	0.3448	1.618	2.653	3.079	2.709	1.578	0.2262
141.0	3.876	2.542	1.498	0.3530	1.553	2.543	2.788	2.563	1.518	0.2362
144.0	3.604	2.301	1.408	0.3596	1.488	2.366	2.613	2.418	1.452	0.2813
147.0	3.338	2.075	1.307	0.3626	1.418	2.206	2.482	2.267	1.402	0.2889
150.0	3.077	1.854	1.217	0.3646	1.337	2.040	2.234	2.101	1.326	0.2964
153.0	2.825	1.638	1.181	0.3665	1.257	1.869	1.811	1.870	1.251	0.2966
156.0	2.504	1.482	1.172	0.3684	1.166	1.683	1.949	1.719	1.160	0.3115
159.0	2.277	1.306	1.164	0.3704	1.096	1.543	1.744	1.589	1.050	0.3216
162.0	2.052	1.130	1.146	0.3723	1.011	1.422	1.633	1.503	0.9193	0.3467
165.0	1.780	1.020	1.106	0.3742	0.8951	1.246	1.461	1.332	0.8188	0.3546
168.0	0.9806	0.9899	1.031	0.3762	0.7594	1.080	0.7679	1.041	0.7135	0.3632
171.0	0.8698	0.9346	0.9601	0.3781	0.6537	0.8837	0.6827	0.9551	0.6679	0.3694
174.0	0.7394	0.8438	0.8698	0.3800	0.5832	0.6728	0.5976	0.7745	0.5974	0.3706
177.0	0.6289	0.7127	0.6696	0.3820	0.4230	0.5270	0.5074	0.6335	0.3970	0.3719
180.0	0.4021	0.3970	0.3920	0.3820	0.3870	0.3870	0.3970	0.4071	0.3920	0.3719
G/C	300.0	330.0								
0.0	17.99	18.00								
3.0	17.98	18.05								
6.0	17.91	18.02								
9.0	17.77	17.97								
12.0	17.56	17.85								
15.0	17.28	17.67								
18.0	16.95	17.45								
21.0	16.56	17.21								
24.0	16.12	17.00								
27.0	15.63	16.79								
30.0	15.14	16.56								

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LPC  
 Test Date: 2021-12-15

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:

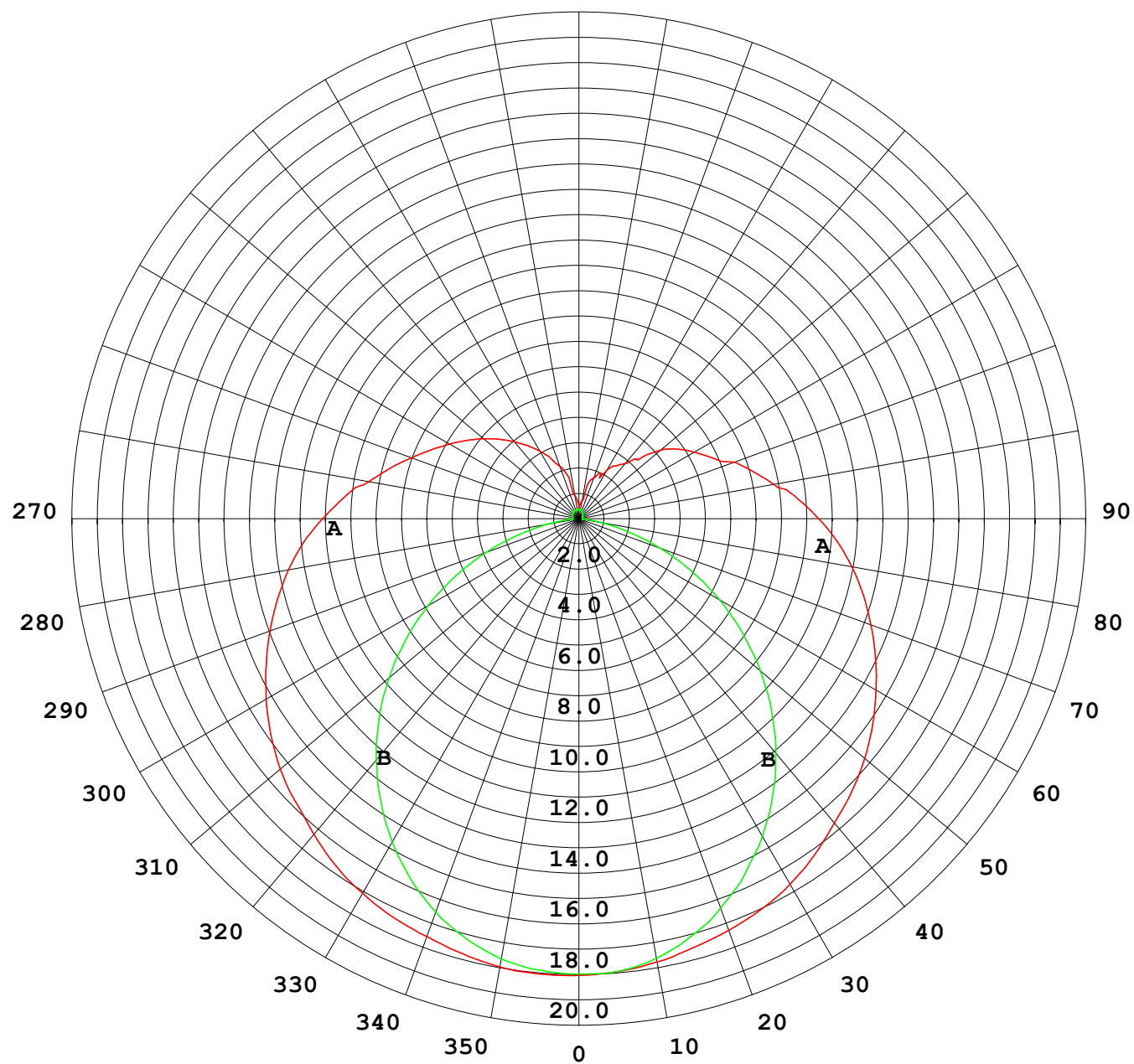
## Photometric Data Table [cd]

33.0	14.65	16.28
36.0	14.15	15.98
39.0	13.64	15.64
42.0	13.13	15.28
45.0	12.60	14.89
48.0	12.02	14.49
51.0	11.43	14.14
54.0	10.80	13.78
57.0	10.17	13.37
60.0	9.531	12.94
63.0	8.893	12.52
66.0	8.305	12.07
69.0	7.712	11.63
72.0	7.124	11.20
75.0	6.562	10.78
78.0	6.024	10.35
81.0	5.532	9.922
84.0	5.094	9.500
87.0	4.713	9.073
90.0	4.376	8.635
93.0	4.055	8.203
96.0	3.794	7.786
99.0	3.563	6.844
102.0	3.320	6.564
105.0	3.010	6.288
108.0	2.940	5.987
111.0	2.840	5.690
114.0	2.564	5.433
117.0	2.496	5.202
120.0	2.297	4.971
123.0	2.221	4.745
126.0	2.065	4.509
129.0	1.919	4.188
132.0	1.778	3.626
135.0	1.648	3.318
138.0	1.512	2.956
141.0	1.412	2.458
144.0	1.321	2.337
147.0	1.206	2.131
150.0	1.136	1.925
153.0	1.121	1.699
156.0	1.111	1.543
159.0	1.085	1.337
162.0	1.040	1.171
165.0	1.005	1.101
168.0	0.9847	1.076
171.0	0.8942	1.025
174.0	0.8188	0.9300
177.0	0.6471	0.7945
180.0	0.3820	0.3970

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-15

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:

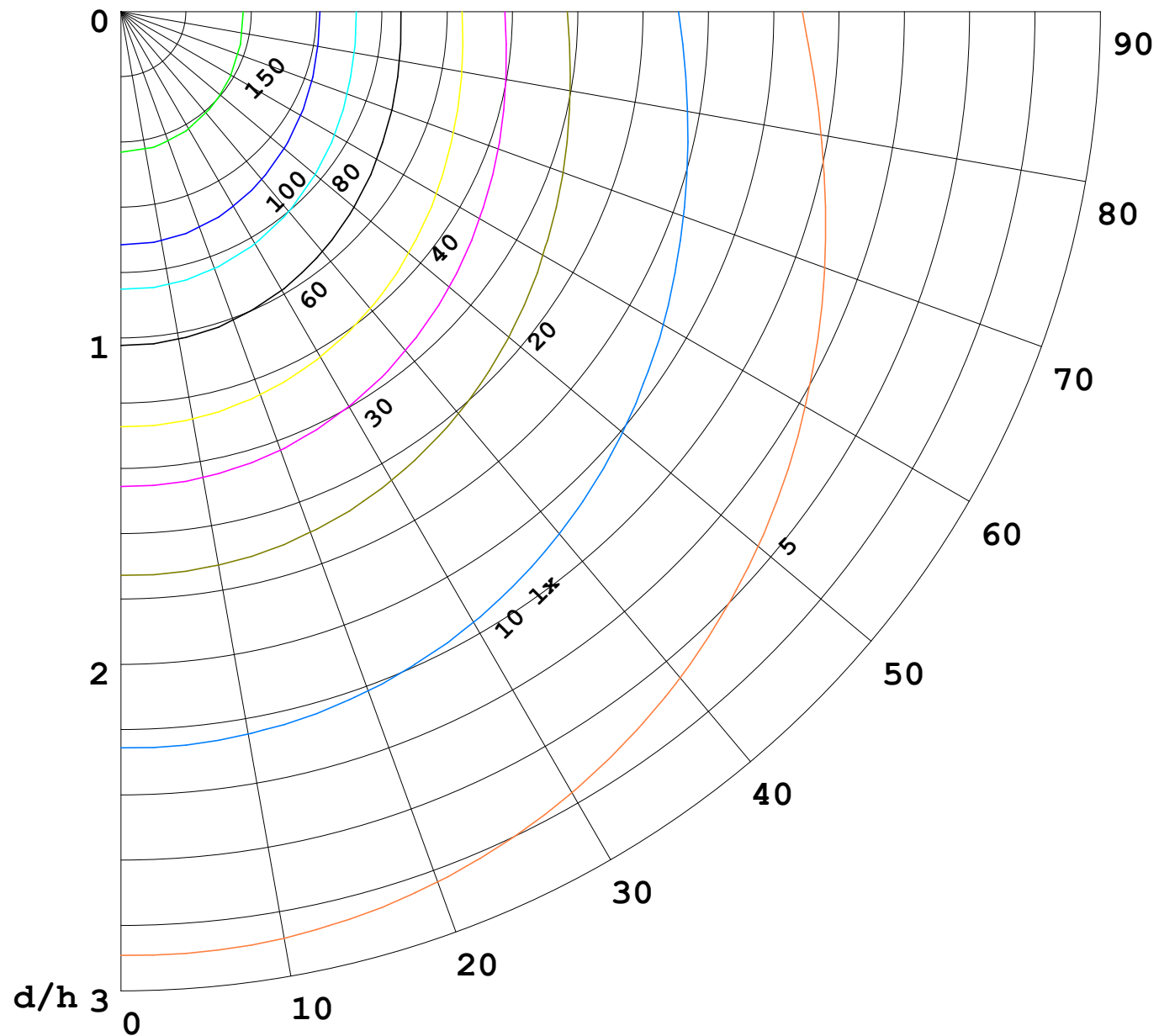
I (cd)





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

