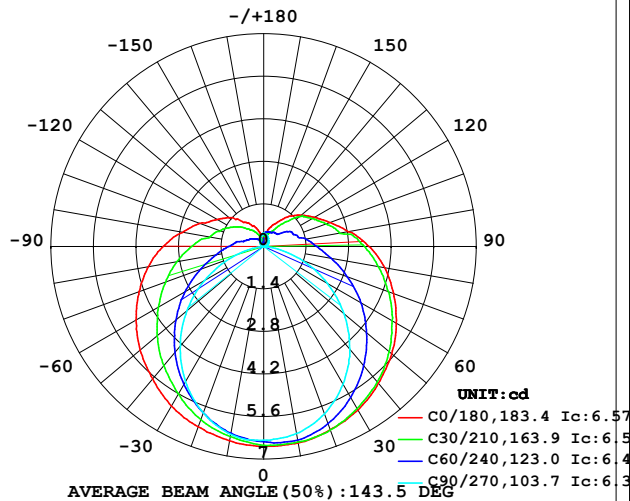


## LUMINAIRE PHOTOMETRIC TEST REPORT

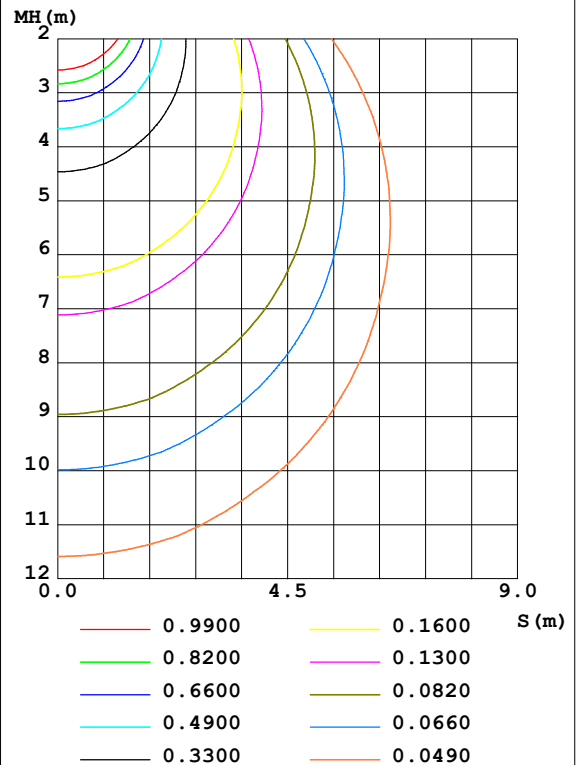
Test:U:24.00V I:0.1906A P:4.574W PF:1.000 Freq:50.00Hz Lamp Flux:31.6015x1 lm		
NAME: SF21-24V-5050-56-DMX4SM-RGBW(4000K)-R	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121506
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 6.91 lm/W
MODEL	5050	I <sub>max</sub> (cd)	6.579	S/MH(C0/180)	1.38	
NOMINAL POWER(W)	3.75	LOR(%)	100.0	S/MH(C90/270)	1.21	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	31.601	η UP,DN(C0-180)	10.8,39.0	
NOMINAL FLUX(lm)	31.6015	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	11.1,39.0	
LAMPS INSIDE	1	η up(%)	22.0	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	24	η down(%)	78.0	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	6.563	6.506	6.252	6.194	6.488	6.300	6.277	6.392	0- 10	0.6113	0.6113	1.93,1.93
20	6.413	6.315	5.860	5.830	6.312	5.940	5.820	6.232	10- 20	1.765	2.377	7.52,7.52
30	6.212	5.946	5.231	5.312	6.071	5.435	5.142	5.893	20- 30	2.716	5.093	16.1,16.1
40	5.876	5.471	4.407	4.714	5.684	4.830	4.273	5.455	30- 40	3.375	8.467	26.8,26.8
50	5.504	4.908	3.452	4.038	5.307	4.176	3.303	4.940	40- 50	3.704	12.17	38.5,38.5
60	5.041	4.290	2.416	3.362	4.854	3.498	2.247	4.335	50- 60	3.706	15.88	50.2,50.2
70	4.549	3.651	1.366	2.706	4.377	2.824	1.212	3.726	60- 70	3.420	19.30	61.1,61.1
80	4.041	3.043	0.4013	2.136	3.854	2.244	0.3072	3.131	70- 80	2.944	22.24	70.4,70.4
90	3.463	2.533	0.0603	1.666	3.311	1.766	0.0151	2.631	80- 90	2.423	24.66	78,78
100	2.831	1.980	0.0655	1.294	2.713	1.362	0.0151	2.106	90-100	1.984	26.65	84.3,84.3
110	2.312	1.651	0.0966	1.003	2.246	1.058	0.0251	1.797	100-110	1.526	28.17	89.2,89.2
120	1.925	1.420	0.1458	0.7992	1.779	0.8871	0.1103	1.508	110-120	1.190	29.36	92.9,92.9
130	1.598	1.088	0.2010	0.6433	1.487	0.6987	0.1407	1.252	120-130	0.8996	30.26	95.8,95.8
140	1.292	0.7944	0.2413	0.4624	1.040	0.5203	0.1993	0.9046	130-140	0.6147	30.88	97.7,97.7
150	0.9251	0.5654	0.3066	0.3041	0.8385	0.3770	0.2462	0.6937	140-150	0.3759	31.25	98.9,98.9
160	0.6837	0.4800	0.3869	0.1760	0.5825	0.2463	0.3316	0.5630	150-160	0.2158	31.47	99.6,99.6
170	0.2815	0.4326	0.4068	0.1398	0.2110	0.1236	0.3819	0.4868	160-170	0.1032	31.57	99.9,99.9
180	0.1106	0.2437	0.4171	0.4222	0.1106	0.2035	0.4523	0.4372	170-180	0.0276	31.60	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 10.299 lm

%lum = 32.6%

%lamp = 32.6%

Conical surface Flux(120deg): 15.877 lm

%lum = 50.2%

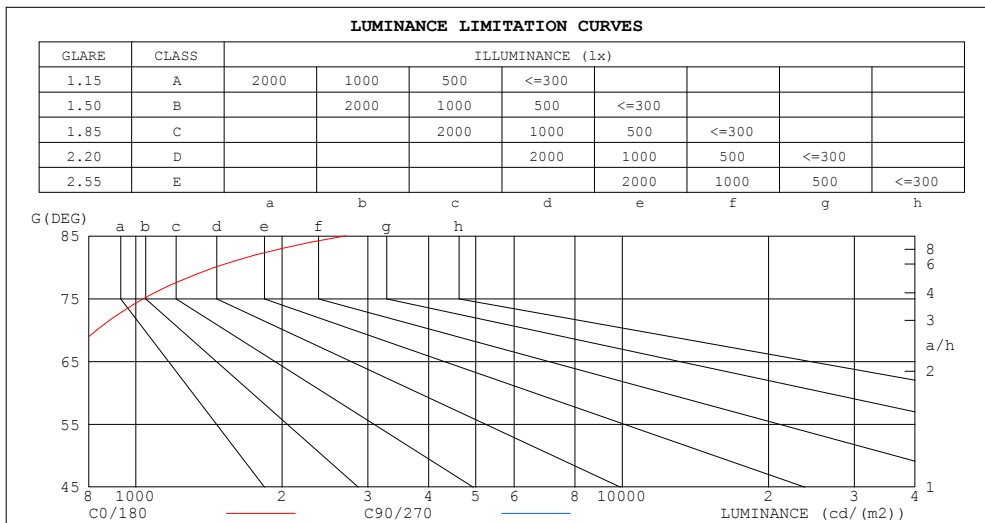
%lamp = 50.2%

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:0.1906A P:4.574W PF:1.000 Freq:50.00Hz Lamp Flux:31.6015x1 lm		
NAME: SF21-24V-5050-56-DMX4SM-RGBW(4000K)-R	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121506
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2703	54
80	1455	144
75	1038	207
70	831	250
65	710	279
60	630	302
55	576	320
50	535	336
45	503	348

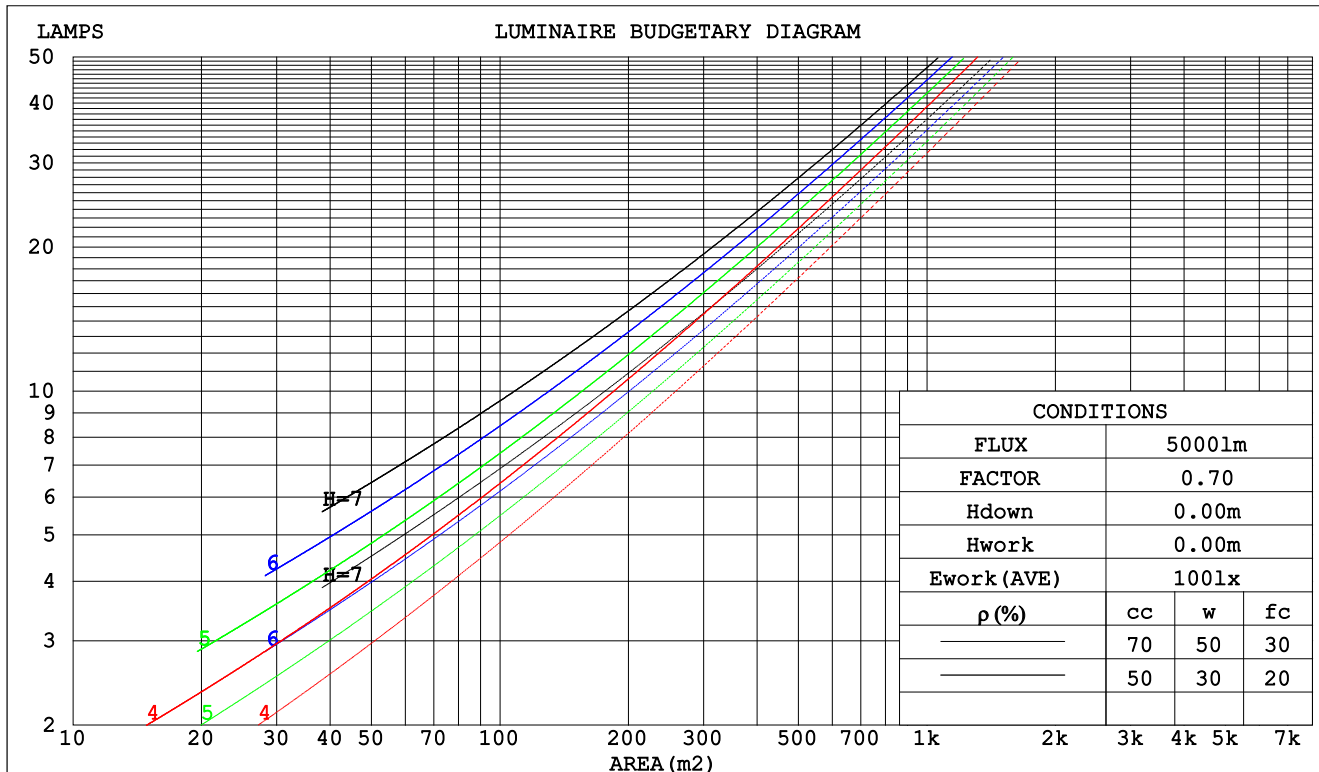
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-15

$\gamma$  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:0.1906A P:4.574W PF:1.000 Freq:50.00Hz Lamp Flux:31.6015x1 lm		
NAME: SF21-24V-5050-56-DMX4SM-RGBW(4000K)-R	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121506
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	Coefficients of Utilization(CU)															
0.0	1.14	1.14	1.14	1.09	1.09	1.09	.99	.99	.99	.90	.90	.90	.82	.82	.82	.78
1.0	.95	.89	.84	.90	.85	.81	.82	.78	.74	.74	.71	.68	.67	.65	.62	.59
2.0	.81	.73	.66	.77	.70	.64	.70	.64	.59	.63	.59	.54	.57	.53	.50	.47
3.0	.70	.61	.54	.67	.59	.52	.61	.54	.48	.55	.49	.45	.50	.45	.41	.38
4.0	.62	.52	.45	.59	.50	.43	.53	.46	.40	.48	.42	.38	.44	.39	.35	.32
5.0	.55	.45	.38	.52	.43	.37	.48	.40	.34	.43	.37	.32	.39	.34	.30	.27
6.0	.49	.40	.33	.47	.38	.32	.43	.35	.30	.39	.33	.28	.35	.30	.26	.23
7.0	.44	.35	.29	.42	.34	.28	.39	.31	.26	.35	.29	.24	.32	.27	.23	.20
8.0	.40	.31	.25	.38	.30	.25	.35	.28	.23	.32	.26	.22	.30	.24	.20	.18
9.0	.37	.28	.23	.35	.27	.22	.32	.25	.21	.30	.24	.19	.27	.22	.18	.16
10.0	.34	.26	.20	.32	.25	.20	.30	.23	.19	.27	.22	.18	.25	.20	.16	.15



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:0.1906A P:4.574W PF:1.000 Freq:50.00Hz Lamp Flux:31.6015x1 lm		
NAME: SF21-24V-5050-56-DMX4SM-RGBW(4000K)-R	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121506
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	.386	.220	.070	.372	.212	.067	.346	.199	.063	.322	.186	.060	.300	.174	.056		
2.0	.333	.182	.056	.320	.176	.054	.297	.165	.051	.275	.154	.048	.255	.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	.236	.125	.037	.218	.117	.035	.201	.109	.033		
5.0	.241	.123	.036	.232	.119	.035	.214	.111	.033	.197	.104	.031	.182	.097	.029		
6.0	.221	.111	.032	.212	.107	.031	.196	.100	.029	.181	.094	.028	.167	.088	.026		
7.0	.204	.101	.029	.196	.098	.028	.181	.091	.026	.167	.086	.025	.154	.080	.024		
8.0	.189	.092	.026	.182	.089	.025	.168	.084	.024	.155	.079	.023	.143	.073	.021		
9.0	.176	.085	.024	.169	.082	.023	.157	.077	.022	.145	.073	.021	.134	.068	.020		
10.0	.165	.079	.022	.158	.077	.021	.147	.072	.020	.136	.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	.358	.358	.358	.306	.306	.306	.209	.209	.209	.120	.120	.120	.038	.038	.038	
1.0	.354	.324	.297	.303	.278	.256	.207	.191	.177	.119	.111	.103	.038	.036	.033	
2.0	.347	.301	.263	.298	.260	.227	.204	.180	.158	.118	.104	.093	.038	.034	.030	
3.0	.340	.285	.241	.291	.246	.209	.200	.171	.147	.116	.100	.087	.037	.032	.028	
4.0	.332	.273	.227	.285	.236	.197	.196	.164	.139	.113	.096	.082	.036	.031	.027	
5.0	.325	.263	.218	.279	.228	.189	.192	.159	.134	.111	.093	.079	.036	.030	.026	
6.0	.317	.255	.211	.273	.221	.183	.188	.155	.130	.109	.091	.077	.035	.030	.025	
7.0	.310	.249	.206	.267	.216	.179	.184	.151	.127	.107	.089	.076	.035	.029	.025	
8.0	.304	.243	.202	.261	.211	.176	.181	.148	.125	.105	.087	.074	.034	.029	.025	
9.0	.297	.238	.199	.256	.207	.173	.177	.145	.123	.103	.086	.073	.033	.028	.024	
10.0	.291	.234	.196	.251	.203	.171	.174	.143	.122	.102	.085	.073	.033	.028	.024	

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:0.1906A P:4.574W PF:1.000 Freq:50.00Hz Lamp Flux:31.6015x1 lm										
NAME: SF21-24V-5050-56-DMX4SM-RGBW(4000K)-R					TYPE: 硅胶			WEIGHT:		
SPEC.:					DIM.: 28mm*11.5mm			SERIAL No.:2021121506		
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	22.4	23.7	23.0	24.3	24.9	19.8	21.1	20.3	21.7	22.3
3H	25.2	26.4	25.8	27.0	27.7	21.2	22.4	21.8	23.0	23.7
4H	26.7	27.9	27.3	28.5	29.2	21.7	22.9	22.3	23.5	24.2
6H	28.4	29.5	29.0	30.1	30.9	22.0	23.1	22.7	23.8	24.5
8H	29.4	30.4	30.0	31.1	31.8	22.1	23.2	22.7	23.8	24.5
12H	30.5	31.5	31.1	32.1	32.9	22.1	23.1	22.8	23.8	24.5
4H 2H	23.0	24.2	23.6	24.8	25.5	21.2	22.3	21.8	22.9	23.6
3H	26.1	27.1	26.7	27.7	28.5	23.0	24.0	23.6	24.6	25.4
4H	27.8	28.7	28.5	29.4	30.2	23.8	24.7	24.4	25.4	26.1
6H	29.7	30.6	30.4	31.3	32.1	24.4	25.2	25.0	25.9	26.7
8H	30.8	31.6	31.5	32.3	33.1	24.5	25.3	25.2	26.0	26.9
12H	32.0	32.7	32.7	33.5	34.3	24.6	25.4	25.4	26.1	26.9
8H 4H	28.2	29.0	28.9	29.7	30.5	25.1	25.9	25.8	26.6	27.4
6H	30.5	31.1	31.2	31.9	32.7	26.2	26.9	26.9	27.6	28.5
8H	31.8	32.3	32.5	33.1	34.0	26.7	27.3	27.4	28.0	28.9
12H	33.2	33.8	34.0	34.5	35.4	27.0	27.6	27.8	28.3	29.2
12H 4H	28.2	28.9	28.9	29.7	30.5	25.6	26.3	26.3	27.0	27.9
6H	30.6	31.2	31.3	31.9	32.8	26.9	27.5	27.7	28.3	29.2
8H	32.0	32.5	32.8	33.3	34.2	27.6	28.1	28.4	28.9	29.8
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	+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117, 31.60 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -12.0)

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:

### UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.1906A P:4.574W PF:1.000 Freq:50.00Hz Lamp Flux:31.6015x1 lm		
NAME: SF21-24V-5050-56-DMX4SM-RGBW(4000K)-R	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121506
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

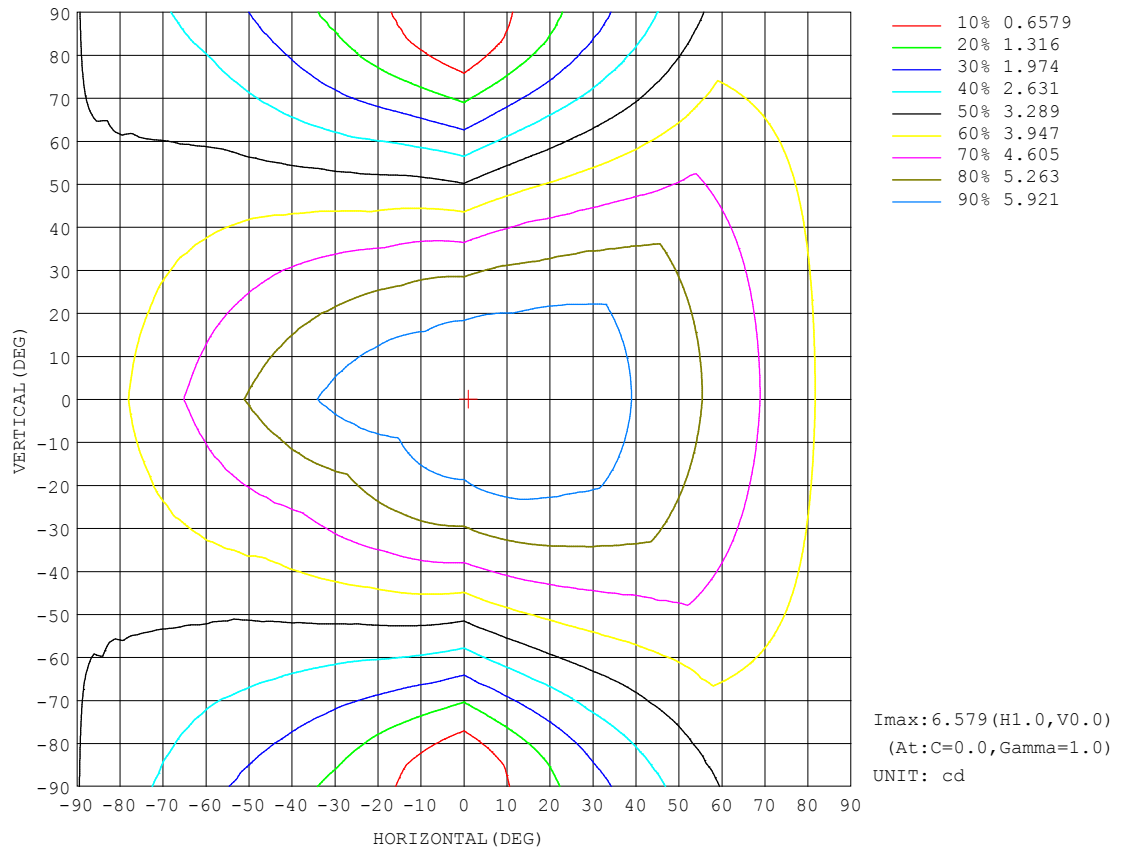
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	47	34	27	45	34	27	43	33	26	19
0.80	56	43	35	54	42	34	51	40	33	25
1.00	63	50	42	61	49	41	57	49	40	31
1.25	70	57	49	68	56	48	63	53	46	36
1.50	75	63	54	72	61	53	67	58	51	40
2.00	83	71	63	79	69	61	73	65	58	46
2.50	87	77	69	83	74	67	77	69	63	49
3.00	91	81	74	87	78	72	80	73	67	53
4.00	96	87	81	91	84	78	84	78	73	57
5.00	99	92	86	94	88	82	86	81	77	60
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:2021-12-15

$\gamma$  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:

## ISOCANDELA DIAGRAM

Test:U:24.00V I:0.1906A P:4.574W PF:1.000 Freq:50.00Hz Lamp Flux:31.6015x1 lm		
NAME: SF21-24V-5050-56-DMX4SM-RGBW(4000K)-R	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121506
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



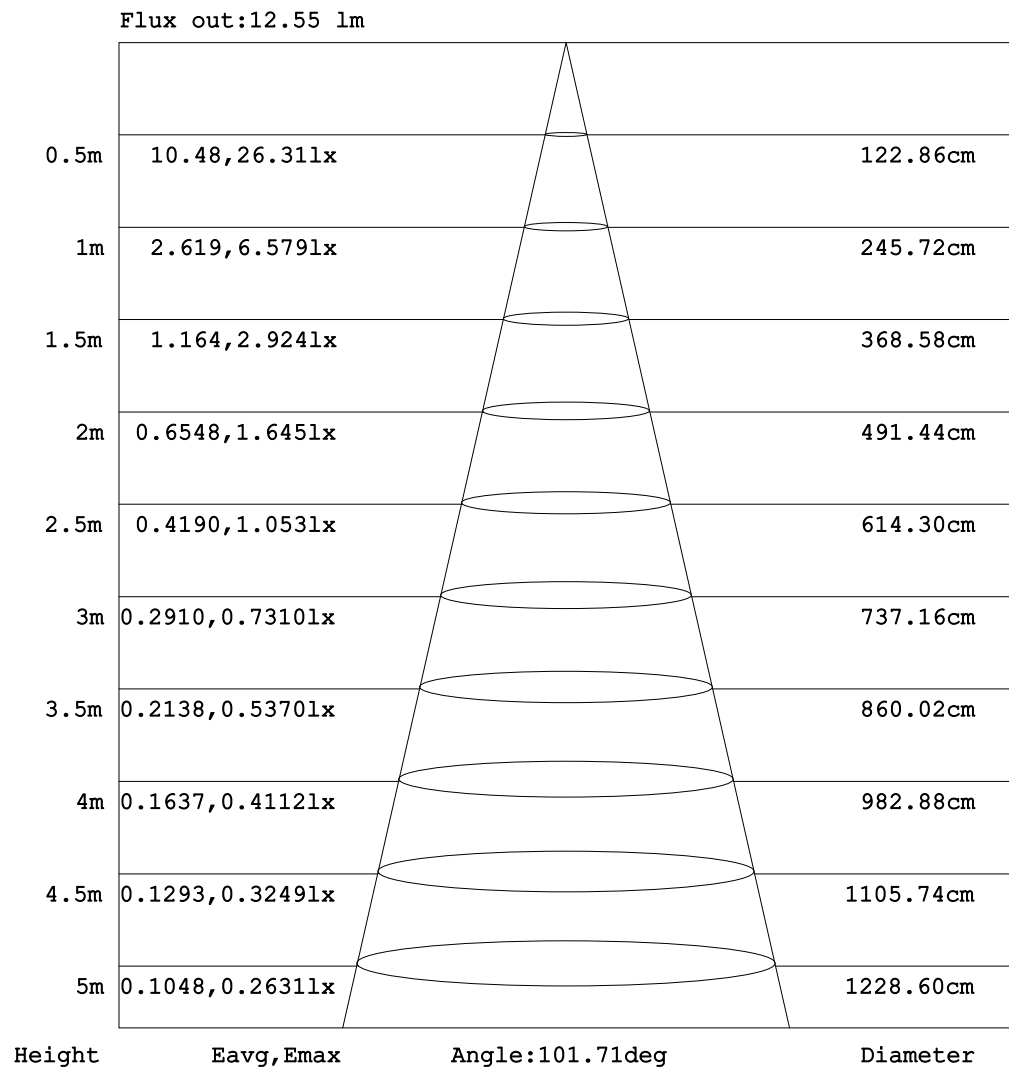
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LPC  
Test Date: 2021-12-15

$\gamma$  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:0.1906A P:4.574W PF:1.000 Freq:50.00Hz Lamp Flux:31.6015x1 lm		
NAME: SF21-24V-5050-56-DMX4SM-RGBW(4000K)-R	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121506
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



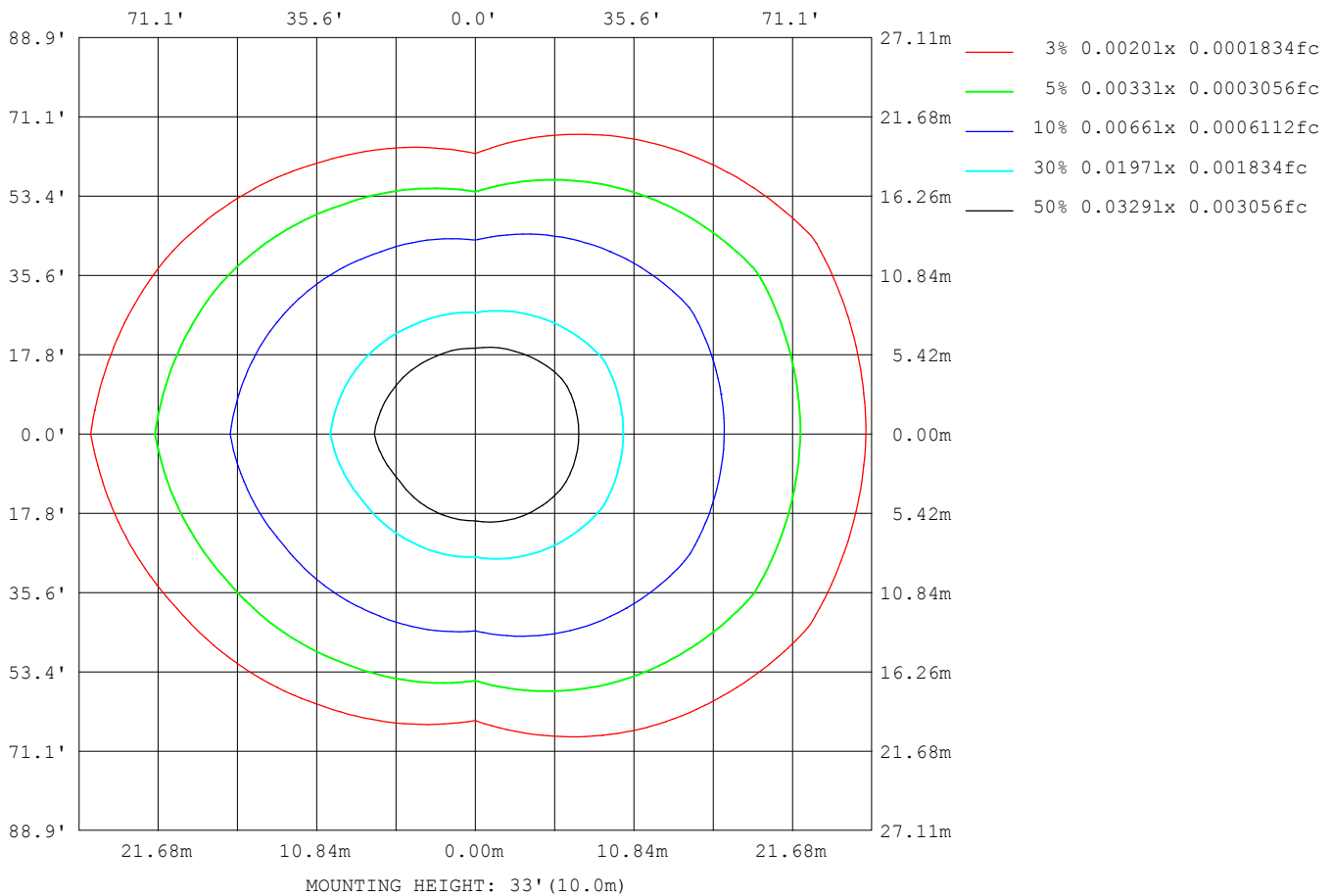
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1906A P:4.574W PF:1.000 Freq:50.00Hz Lamp Flux:31.6015x1 lm		
NAME: SF21-24V-5050-56-DMX4SM-RGBW(4000K)-R	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121506
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:0.1906A P:4.574W PF:1.000 Freq:50.00Hz Lamp Flux:31.6015x1 lm		
NAME: SF21-24V-5050-56-DMX4SM-RGBW(4000K)-R	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121506
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

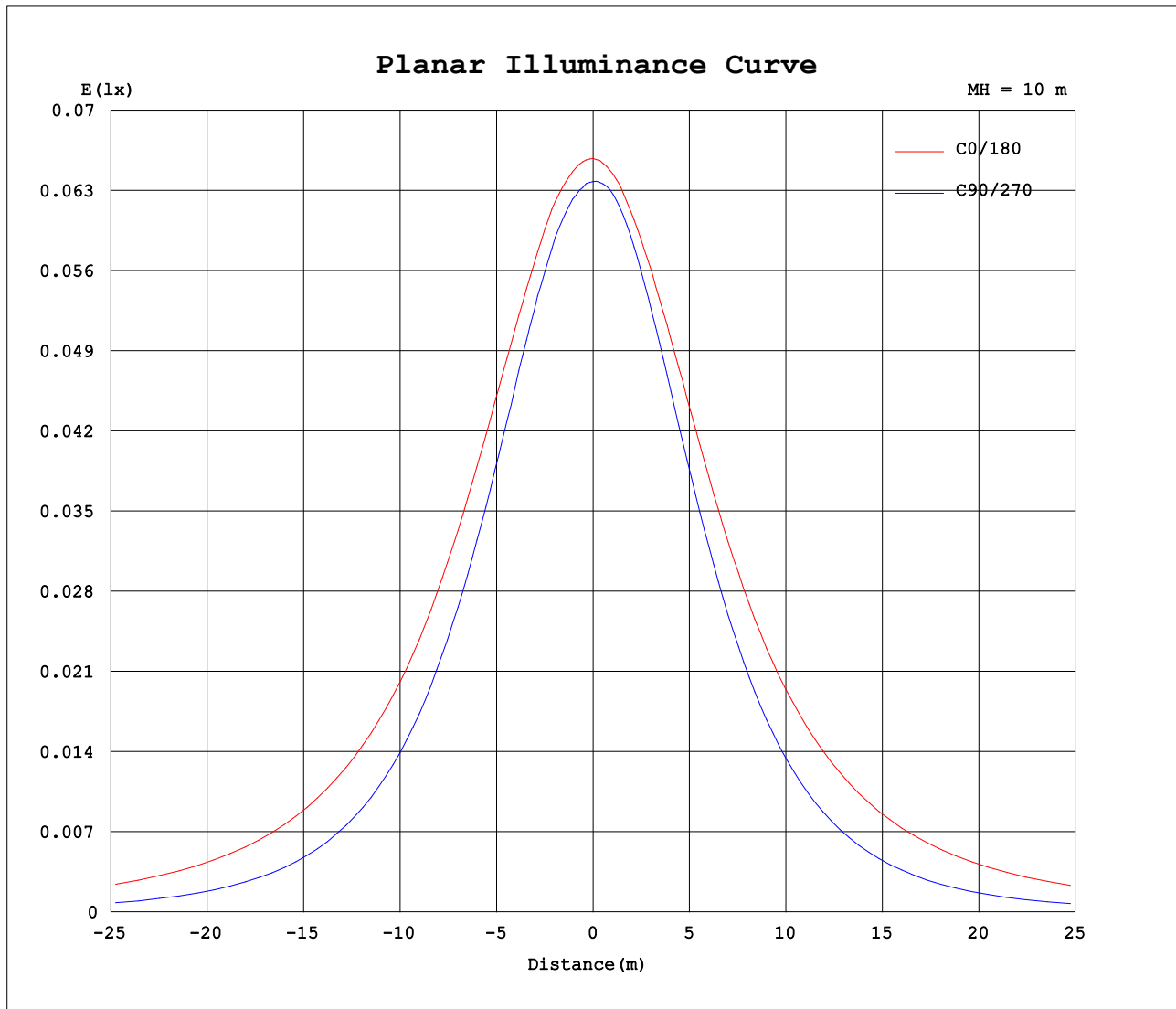
AvgL	cd/m2
L_0~180 (65) av	696
L_0~180 (75) av	1015
L_0~180 (85) av	2636
L_90~270 (65) av	266
L_90~270 (75) av	191
L_90~270 (85) av	43
L_45 (65) av	530
L_45 (75) av	719
L_45 (85) av	1751

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:0.1906A P:4.574W PF:1.000 Freq:50.00Hz Lamp Flux:31.6015x1 lm		
NAME: SF21-24V-5050-56-DMX4SM-RGBW(4000K)-R	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121506
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	6.58	6.54	6.43	6.38	6.39	6.35	6.58	6.54	6.43	6.38	6.39	6.35						
5	6.57	6.55	6.48	6.33	6.34	6.27	6.55	6.45	6.36	6.38	6.38	6.42						
10	6.56	6.54	6.47	6.25	6.23	6.16	6.49	6.36	6.24	6.28	6.33	6.45						
15	6.51	6.50	6.36	6.09	6.06	6.02	6.41	6.23	6.06	6.08	6.23	6.46						
20	6.41	6.43	6.20	5.86	5.84	5.82	6.31	6.06	5.82	5.82	6.05	6.41						
25	6.33	6.31	5.99	5.57	5.57	5.60	6.22	5.86	5.55	5.51	5.82	6.33						
30	6.21	6.16	5.73	5.23	5.26	5.36	6.07	5.61	5.26	5.14	5.58	6.21						
35	6.06	6.00	5.44	4.84	4.93	5.12	5.89	5.36	4.91	4.72	5.32	6.05						
40	5.88	5.82	5.12	4.41	4.56	4.87	5.68	5.12	4.54	4.27	5.02	5.89						
45	5.69	5.62	4.78	3.94	4.16	4.59	5.50	4.86	4.15	3.80	4.71	5.71						
50	5.50	5.39	4.42	3.45	3.79	4.29	5.31	4.58	3.77	3.30	4.37	5.51						
55	5.28	5.13	4.06	2.93	3.38	4.02	5.09	4.28	3.38	2.79	4.00	5.29						
60	5.04	4.88	3.69	2.42	2.98	3.74	4.85	4.00	2.99	2.25	3.63	5.04						
65	4.80	4.64	3.31	1.88	2.59	3.47	4.61	3.72	2.60	1.71	3.27	4.80						
70	4.55	4.37	2.93	1.37	2.23	3.19	4.38	3.44	2.21	1.21	2.89	4.56						
75	4.30	4.10	2.59	0.86	1.91	2.91	4.11	3.17	1.88	0.72	2.54	4.29						
80	4.04	3.83	2.26	0.40	1.62	2.65	3.85	2.91	1.58	0.31	2.23	4.04						
85	3.77	3.57	1.97	0.08	1.39	2.39	3.58	2.63	1.35	0.05	1.94	3.78						
90	3.46	3.32	1.75	0.06	1.19	2.15	3.31	2.38	1.16	0.02	1.72	3.54						
95	3.17	3.09	1.58	0.06	1.04	1.95	3.03	2.15	1.00	0.02	1.54	3.30						
100	2.83	2.54	1.42	0.07	0.95	1.64	2.71	1.81	0.91	0.02	1.40	2.82						
105	2.57	2.39	1.18	0.09	0.68	1.53	2.47	1.69	0.68	0.02	1.18	2.65						
110	2.31	2.19	1.11	0.10	0.64	1.37	2.25	1.51	0.60	0.03	1.15	2.45						
115	2.11	2.00	1.05	0.13	0.58	1.20	1.96	1.41	0.54	0.06	1.01	2.25						
120	1.93	1.84	1.00	0.15	0.52	1.08	1.78	1.27	0.51	0.11	0.95	2.06						
125	1.76	1.70	0.84	0.18	0.48	0.95	1.63	1.12	0.45	0.13	0.83	1.90						
130	1.60	1.53	0.65	0.20	0.44	0.85	1.49	1.00	0.40	0.14	0.79	1.71						
135	1.45	1.24	0.60	0.22	0.39	0.70	1.28	0.85	0.37	0.17	0.73	1.48						
140	1.29	1.00	0.59	0.24	0.33	0.60	1.04	0.73	0.31	0.20	0.62	1.19						
145	1.10	0.77	0.57	0.26	0.26	0.51	0.95	0.65	0.28	0.21	0.55	0.97						
150	0.93	0.60	0.53	0.31	0.20	0.41	0.84	0.55	0.21	0.25	0.52	0.86						
155	0.81	0.53	0.52	0.35	0.19	0.31	0.75	0.45	0.14	0.29	0.53	0.71						
160	0.68	0.45	0.51	0.39	0.16	0.19	0.58	0.38	0.11	0.33	0.53	0.60						
165	0.57	0.40	0.51	0.40	0.12	0.21	0.45	0.24	0.11	0.36	0.53	0.50						
170	0.28	0.37	0.49	0.41	0.10	0.18	0.21	0.14	0.11	0.38	0.48	0.49						
175	0.22	0.36	0.46	0.41	0.10	0.13	0.13	0.11	0.11	0.40	0.45	0.49						
180	0.11	0.11	0.38	0.42	0.44	0.41	0.11	0.12	0.29	0.45	0.45	0.42						

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	6.579	6.544	6.428	6.378	6.388	6.347	6.579	6.544	6.428	6.378
3.0	6.579	6.549	6.473	6.352	6.368	6.312	6.564	6.493	6.388	6.383
6.0	6.572	6.544	6.476	6.327	6.328	6.252	6.545	6.443	6.337	6.368
9.0	6.565	6.539	6.474	6.272	6.257	6.181	6.508	6.373	6.272	6.308
12.0	6.559	6.535	6.438	6.191	6.172	6.111	6.458	6.308	6.171	6.207
15.0	6.509	6.503	6.358	6.086	6.056	6.015	6.408	6.227	6.056	6.081
18.0	6.453	6.473	6.282	5.960	5.936	5.905	6.347	6.132	5.925	5.936
21.0	6.403	6.413	6.162	5.814	5.785	5.789	6.302	6.021	5.774	5.765
24.0	6.348	6.332	6.031	5.633	5.629	5.659	6.232	5.896	5.608	5.569
27.0	6.282	6.247	5.896	5.437	5.454	5.503	6.151	5.765	5.432	5.368
30.0	6.212	6.156	5.735	5.231	5.263	5.362	6.071	5.614	5.256	5.142
33.0	6.122	6.056	5.564	4.995	5.062	5.221	5.965	5.458	5.050	4.896
36.0	6.026	5.960	5.378	4.769	4.851	5.071	5.845	5.318	4.839	4.639
39.0	5.921	5.865	5.192	4.507	4.625	4.925	5.734	5.167	4.618	4.368
42.0	5.800	5.744	4.986	4.221	4.393	4.774	5.608	5.016	4.392	4.092
45.0	5.690	5.618	4.780	3.939	4.162	4.593	5.503	4.860	4.151	3.800
48.0	5.584	5.488	4.569	3.658	3.941	4.417	5.382	4.689	3.924	3.504
51.0	5.459	5.342	4.353	3.351	3.705	4.246	5.266	4.519	3.688	3.202
54.0	5.333	5.186	4.137	3.040	3.469	4.085	5.131	4.343	3.457	2.891
57.0	5.192	5.025	3.916	2.733	3.222	3.910	5.005	4.157	3.246	2.574
60.0	5.041	4.885	3.695	2.416	2.981	3.744	4.854	4.001	2.994	2.247
63.0	4.891	4.744	3.469	2.095	2.735	3.578	4.703	3.830	2.748	1.931
66.0	4.750	4.593	3.232	1.803	2.514	3.407	4.553	3.664	2.517	1.619
69.0	4.599	4.432	3.001	1.472	2.293	3.246	4.402	3.493	2.281	1.313
72.0	4.448	4.251	2.790	1.160	2.097	3.085	4.261	3.328	2.070	1.011
75.0	4.298	4.096	2.589	0.8587	1.905	2.915	4.106	3.172	1.879	0.7246
78.0	4.147	3.940	2.383	0.5722	1.729	2.759	3.950	3.006	1.698	0.4631
81.0	3.986	3.779	2.192	0.3160	1.584	2.593	3.804	2.845	1.537	0.2417
84.0	3.820	3.633	2.026	0.1301	1.433	2.442	3.653	2.689	1.402	0.0608
87.0	3.649	3.482	1.875	0.0603	1.297	2.291	3.497	2.518	1.261	0.0202
90.0	3.463	3.317	1.749	0.0603	1.186	2.146	3.311	2.378	1.155	0.0151
93.0	3.292	3.171	1.639	0.0603	1.091	2.040	3.140	2.242	1.060	0.0151
96.0	3.122	3.010	1.548	0.0603	1.020	1.905	2.990	2.111	0.9847	0.0151
99.0	2.946	2.683	1.448	0.0653	0.9651	1.653	2.774	1.830	0.9296	0.0151
102.0	2.724	2.487	1.347	0.0904	0.8501	1.578	2.608	1.764	0.8085	0.0151
105.0	2.569	2.387	1.181	0.0854	0.6788	1.528	2.467	1.694	0.6834	0.0151
108.0	2.418	2.271	1.166	0.0855	0.6534	1.467	2.331	1.614	0.6430	0.0151
111.0	2.272	2.151	1.106	0.1026	0.6283	1.322	2.175	1.508	0.5980	0.0301
114.0	2.151	2.040	1.056	0.1207	0.5930	1.241	1.990	1.448	0.5577	0.0452
117.0	2.031	1.950	1.041	0.1457	0.5530	1.156	1.894	1.347	0.5285	0.0653
120.0	1.925	1.839	1.000	0.1458	0.5229	1.075	1.779	1.267	0.5074	0.1103
123.0	1.830	1.749	0.9198	0.1709	0.4927	1.010	1.683	1.181	0.4683	0.1231
126.0	1.724	1.673	0.7945	0.1810	0.4576	0.9396	1.593	1.101	0.4410	0.1307
129.0	1.624	1.588	0.6739	0.1960	0.4474	0.8742	1.512	1.026	0.4070	0.1382
132.0	1.543	1.417	0.6033	0.2111	0.4122	0.7939	1.417	0.9500	0.3869	0.1457
135.0	1.448	1.236	0.5991	0.2212	0.3871	0.7034	1.276	0.8547	0.3667	0.1658
138.0	1.357	1.095	0.5931	0.2363	0.3519	0.6381	1.155	0.7891	0.3514	0.1960
141.0	1.257	0.9596	0.5871	0.2463	0.3118	0.5827	1.025	0.7038	0.3065	0.2010
144.0	1.141	0.8388	0.5780	0.2564	0.2765	0.5226	0.9797	0.6686	0.2888	0.2060
147.0	1.036	0.6882	0.5579	0.2665	0.2413	0.4572	0.9194	0.6133	0.2711	0.2110
150.0	0.9251	0.6030	0.5278	0.3066	0.2012	0.4069	0.8385	0.5480	0.2059	0.2462
153.0	0.8397	0.5478	0.5205	0.3268	0.1930	0.3516	0.7789	0.4877	0.1707	0.2823
156.0	0.7942	0.5176	0.5172	0.3469	0.1959	0.2814	0.7133	0.4274	0.1355	0.2914
159.0	0.6989	0.4722	0.5139	0.3671	0.1911	0.2109	0.6227	0.3871	0.1105	0.3216
162.0	0.6435	0.4270	0.5105	0.3921	0.1256	0.1759	0.5226	0.3219	0.1105	0.3547
165.0	0.5682	0.3952	0.5072	0.4030	0.1192	0.2061	0.4522	0.2414	0.1105	0.3638
168.0	0.2969	0.3777	0.5038	0.4053	0.1127	0.1999	0.2310	0.1811	0.1105	0.3719
171.0	0.2615	0.3699	0.4875	0.4075	0.1055	0.1684	0.2009	0.1322	0.1106	0.3869
174.0	0.2213	0.3620	0.4674	0.4098	0.0955	0.1370	0.1406	0.1189	0.1106	0.3970
177.0	0.1861	0.3515	0.4524	0.4121	0.0955	0.1055	0.1355	0.1055	0.1106	0.4371
180.0	0.1106	0.1055	0.3820	0.4171	0.4372	0.4071	0.1106	0.1156	0.2915	0.4523
G/C	300.0	330.0								
0.0	6.388	6.347								
3.0	6.388	6.403								
6.0	6.378	6.423								
9.0	6.342	6.448								
12.0	6.297	6.460								
15.0	6.226	6.459								
18.0	6.131	6.448								
21.0	6.000	6.398								
24.0	5.865	6.348								
27.0	5.729	6.287								
30.0	5.578	6.207								

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:

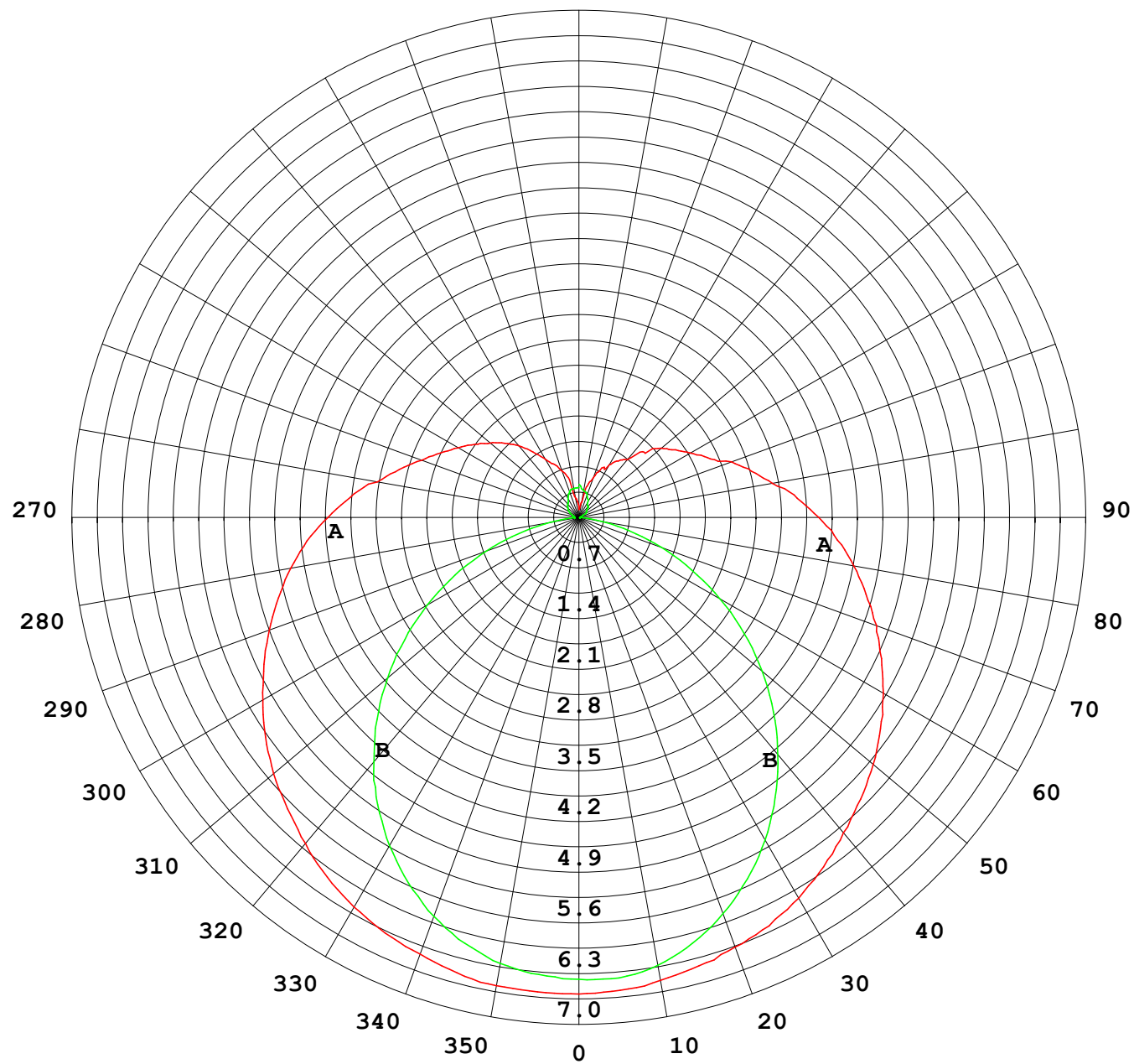
## Photometric Data Table [cd]

33.0	5.422	6.122
36.0	5.256	6.021
39.0	5.095	5.921
42.0	4.905	5.820
45.0	4.708	5.710
48.0	4.492	5.599
51.0	4.286	5.478
54.0	4.070	5.338
57.0	3.859	5.187
60.0	3.633	5.036
63.0	3.417	4.890
66.0	3.191	4.750
69.0	2.974	4.604
72.0	2.748	4.458
75.0	2.542	4.292
78.0	2.356	4.147
81.0	2.161	3.991
84.0	1.990	3.840
87.0	1.834	3.694
90.0	1.718	3.544
93.0	1.593	3.398
96.0	1.517	3.252
99.0	1.427	2.917
102.0	1.346	2.749
105.0	1.181	2.654
108.0	1.166	2.538
111.0	1.111	2.408
114.0	1.090	2.287
117.0	1.005	2.172
120.0	0.9546	2.061
123.0	0.9197	1.965
126.0	0.8292	1.870
129.0	0.8039	1.774
132.0	0.7739	1.619
135.0	0.7285	1.483
138.0	0.6731	1.272
141.0	0.6080	1.161
144.0	0.5627	0.9858
147.0	0.5326	0.9249
150.0	0.5227	0.8646
153.0	0.5227	0.7843
156.0	0.5278	0.6887
159.0	0.5278	0.6233
162.0	0.5277	0.5480
165.0	0.5277	0.4976
168.0	0.5173	0.4939
171.0	0.4725	0.4901
174.0	0.4573	0.4863
177.0	0.4523	0.4825
180.0	0.4523	0.4222

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:

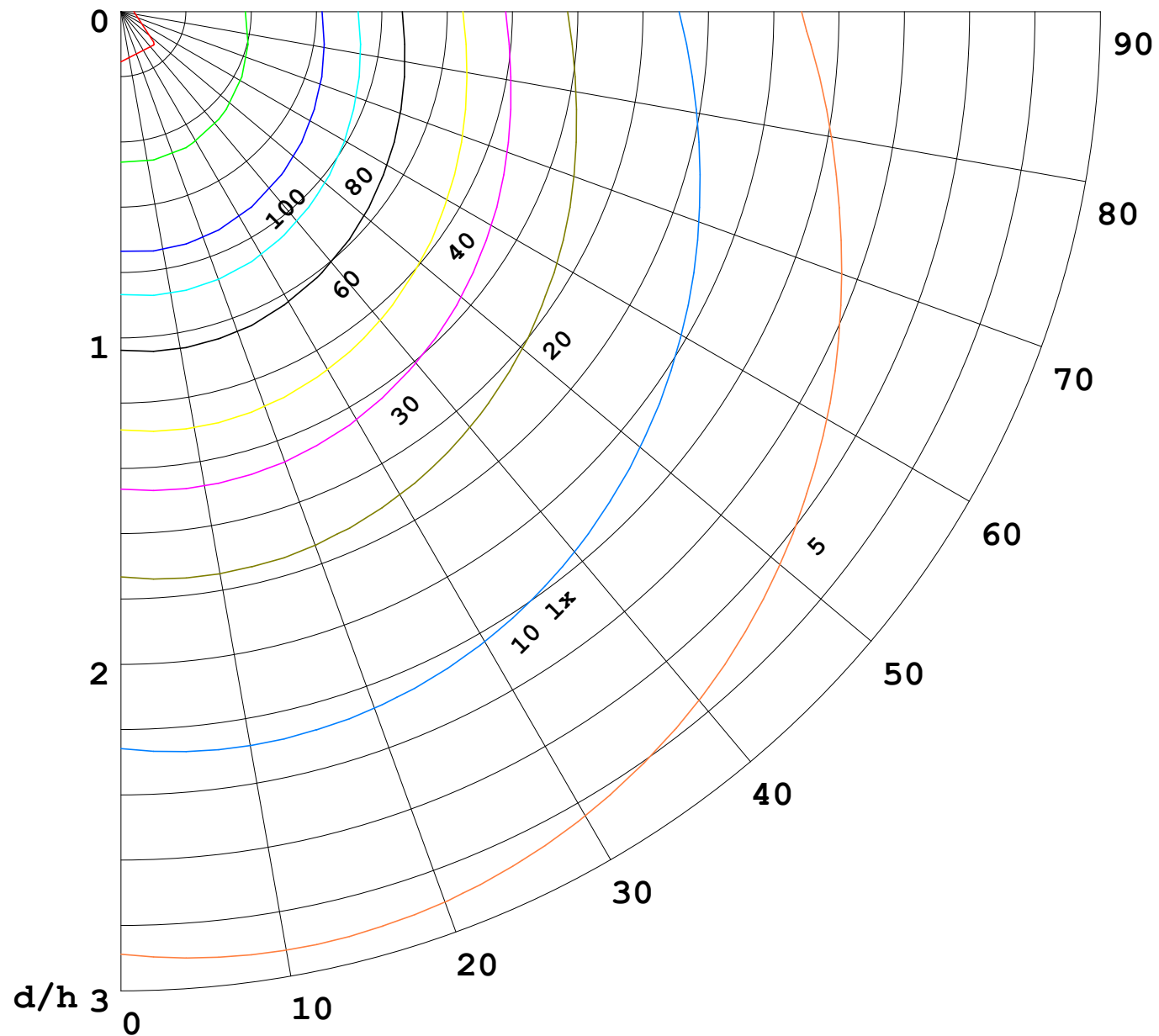
I (cd)





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

