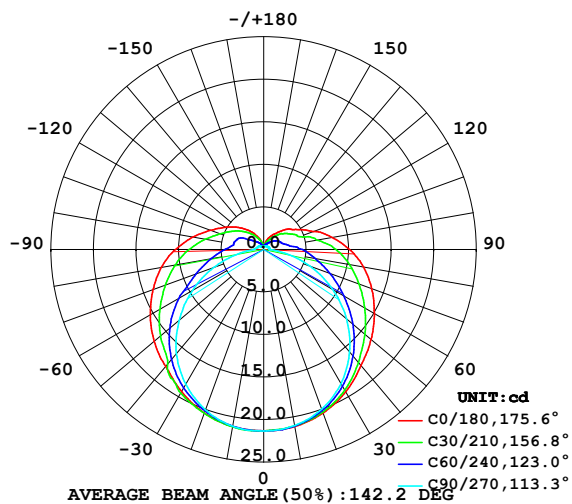


## LUMINAIRE PHOTOMETRIC TEST REPORT

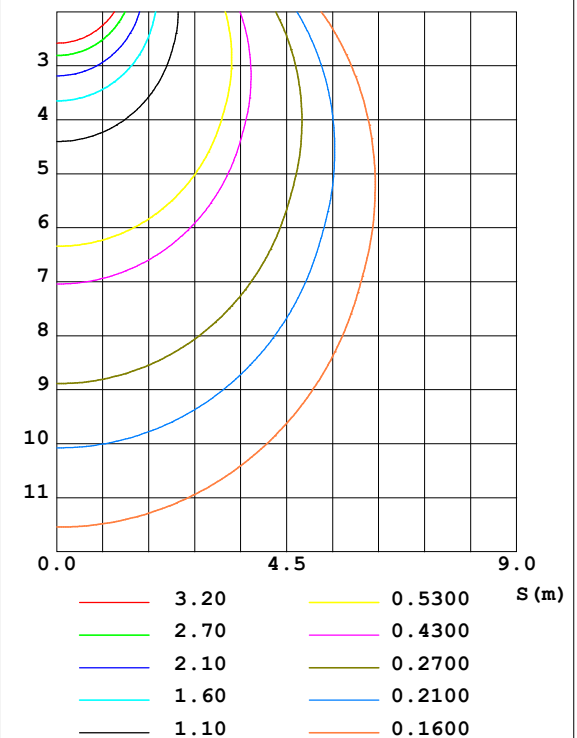
Test:U:12.00V I:0.4829A P:5.795W PF:1.000 Lamp Flux:100.858x1 lm		
NAME: SF21-12V-5050-60-W12-SPI4-3000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 17.41 lm/W			
MODEL	5050	I <sub>max</sub> (cd)	21.35	S/MH (C0/180)	1.35
NOMINAL POWER (W)	4.25	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	100.86	η UP, DN (C0-180)	9.6, 40.1
NOMINAL FLUX (lm)	100.858	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	9.8, 40.5
LAMPS INSIDE	1	η up (%)	19.4	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	12.0	η down (%)	80.6	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



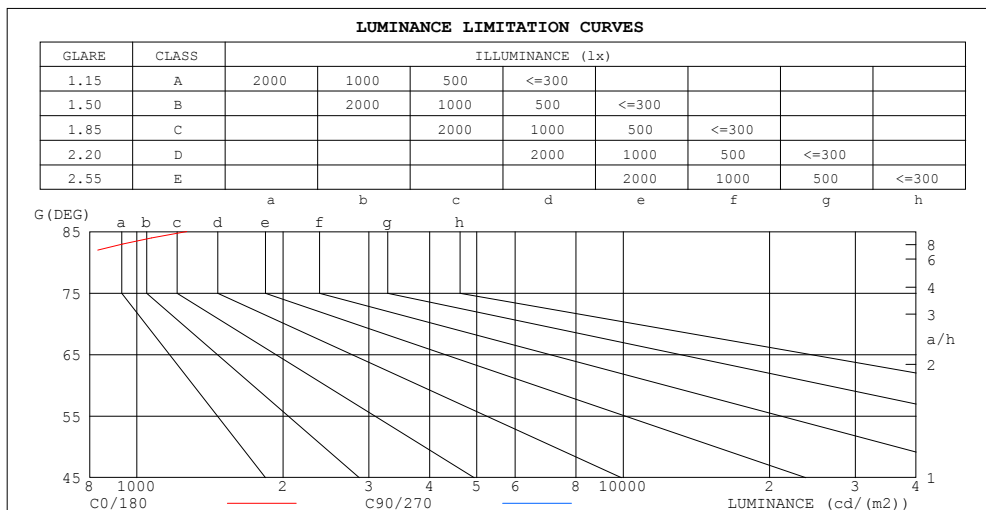
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: WFW  
Test Date: 2023-02-23

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 10.800m [K=1.0000]  
Remarks:

### ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

#### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	21.12	21.07	21.01	21.14	21.12	21.14	21.10	21.11	0- 10	2.026	2.026	2.01,2.01
20	20.45	20.24	19.97	20.27	20.44	20.34	20.05	20.35	10- 20	5.867	7.893	7.83,7.83
30	19.32	18.82	18.21	18.80	19.31	19.16	18.31	18.98	20- 30	9.065	16.96	16.8,16.8
40	17.80	16.85	15.73	16.89	17.94	17.21	15.97	17.04	30- 40	11.26	28.22	28,28
50	16.49	14.62	12.72	14.87	16.80	15.13	13.00	14.83	40- 50	12.29	40.50	40.2,40.2
60	15.02	12.29	9.340	12.73	15.39	12.80	9.664	12.41	50- 60	12.24	52.75	52.3,52.3
70	13.52	10.12	5.808	10.57	13.84	10.40	6.243	10.14	60- 70	11.21	63.96	63.4,63.4
80	11.92	8.197	2.498	8.429	12.23	8.408	3.064	8.148	70- 80	9.575	73.54	72.9,72.9
90	10.09	6.538	0.7131	6.735	10.37	6.673	1.150	6.479	80- 90	7.738	81.27	80.6,80.6
100	8.209	4.702	0.6371	5.450	8.461	5.296	0.9282	4.890	90-100	6.072	87.35	86.6,86.6
110	6.216	3.355	0.6207	4.356	6.647	4.416	0.8243	3.432	100-110	4.587	91.93	91.1,91.1
120	4.732	2.843	0.6025	3.460	5.242	3.508	0.7550	2.767	110-120	3.397	95.33	94.5,94.5
130	3.769	2.247	0.5480	2.597	4.071	2.483	0.5958	2.203	120-130	2.402	97.73	96.9,96.9
140	2.654	1.607	0.5192	1.880	3.032	1.822	0.4445	1.472	130-140	1.564	99.29	98.4,98.4
150	1.906	1.108	0.4597	1.295	2.056	1.257	0.3982	0.9732	140-150	0.8986	100.2	99.3,99.3
160	1.234	0.7306	0.4536	0.8206	1.260	0.7828	0.3879	0.6096	150-160	0.4470	100.6	99.8,99.8
170	0.5889	0.5194	0.4475	0.4862	0.5123	0.5036	0.3879	0.4641	160-170	0.1786	100.8	100,100
180	0.4433	0.4363	0.4433	0.4329	0.4433	0.4467	0.3948	0.4363	170-180	0.0440	100.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1266	143
80	687	144
75	492	159
70	395	170
65	338	180
60	300	187
55	275	193
50	256	198
45	243	202

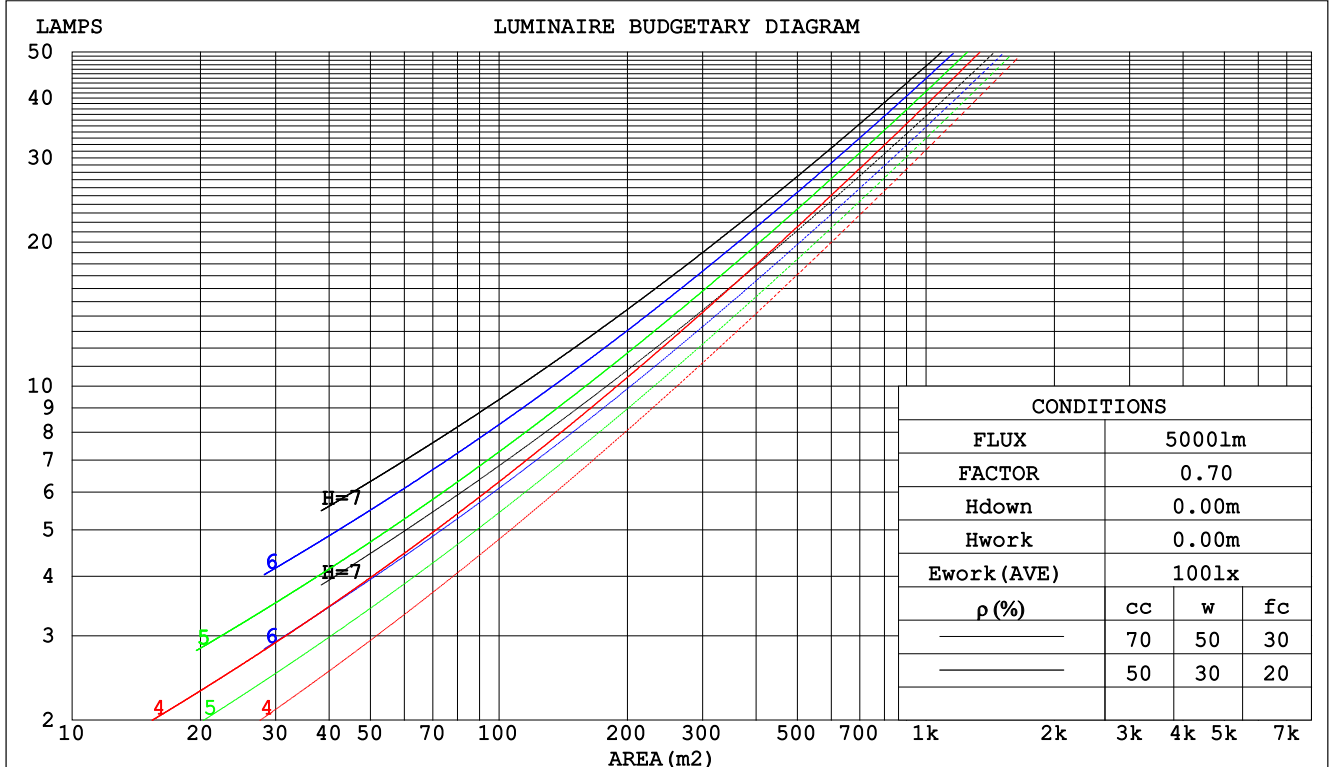
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.800m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:12.00V I:0.4829A P:5.795W PF:1.000 Lamp Flux:100.858x1 lm		
NAME: SF21-12V-5050-60-W12-SPI4-3000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION 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	1.10	1.10	1.10	1.00	1.00	1.00	.92	.92	.92	.84	.84	.84	.81
1.0	.95	.90	.85	.91	.86	.82	.83	.79	.76	.76	.73	.70	.69	.67	.64	.61
2.0	.81	.73	.67	.78	.71	.65	.71	.65	.60	.65	.60	.56	.59	.55	.52	.48
3.0	.71	.62	.54	.67	.59	.53	.62	.55	.49	.56	.51	.46	.51	.47	.43	.40
4.0	.62	.52	.45	.59	.51	.44	.54	.47	.41	.50	.43	.39	.45	.40	.36	.33
5.0	.55	.45	.38	.53	.44	.37	.48	.41	.35	.44	.38	.33	.40	.35	.31	.28
6.0	.49	.40	.33	.47	.39	.32	.43	.36	.30	.40	.33	.29	.37	.31	.27	.24
7.0	.44	.35	.29	.43	.34	.28	.39	.32	.27	.36	.30	.25	.33	.28	.24	.21
8.0	.40	.32	.26	.39	.31	.25	.36	.29	.24	.33	.27	.22	.30	.25	.21	.19
9.0	.37	.28	.23	.35	.28	.22	.33	.26	.21	.30	.24	.20	.28	.23	.19	.17
10.0	.34	.26	.21	.33	.25	.20	.30	.24	.19	.28	.22	.18	.26	.21	.17	.15



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-23

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.800m [K=1.0000]  
Remarks:

## WEC AND CCEC

Test:U:12.00V I:0.4829A P:5.795W PF:1.000 Lamp Flux:100.858x1 lm					
NAME: SF21-12V-5050-60-W12-SPI4-3000K-G			TYPE: 硅胶		WEIGHT:
DIM.: 28MM*11.5MM			SPEC.:		SERIAL No.:20230223
MFR.: OLYMPIA			SUR.:0.5*0.018		PROTECTION 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	.387	.220	.070	.374	.213	.068	.349	.200	.064	.327	.188	.060	.306	.177	.057		
2.0	.334	.183	.056	.322	.177	.055	.300	.167	.052	.279	.157	.049	.260	.147	.046		
3.0	.296	.158	.047	.285	.153	.046	.265	.144	.044	.247	.135	.041	.229	.127	.039		
4.0	.266	.138	.041	.257	.134	.040	.238	.126	.038	.221	.119	.036	.206	.112	.034		
5.0	.242	.123	.036	.233	.120	.035	.217	.113	.033	.201	.106	.032	.187	.100	.030		
6.0	.222	.111	.032	.214	.108	.031	.198	.102	.030	.184	.096	.028	.171	.090	.027		
7.0	.204	.101	.029	.197	.098	.028	.183	.093	.027	.170	.087	.025	.158	.082	.024		
8.0	.190	.093	.026	.183	.090	.025	.170	.085	.024	.158	.080	.023	.147	.075	.022		
9.0	.177	.085	.024	.170	.083	.023	.159	.078	.022	.148	.074	.021	.137	.070	.020		
10.0	.165	.079	.022	.160	.077	.022	.149	.073	.021	.138	.069	.020	.129	.065	.019		

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	.338	.338	.338	.289	.289	.289	.197	.197	.197	.113	.113	.113	.036	.036	.036	
1.0	.335	.305	.277	.287	.261	.239	.196	.180	.165	.113	.104	.096	.036	.034	.031	
2.0	.328	.282	.243	.281	.243	.210	.193	.168	.147	.111	.098	.086	.036	.032	.028	
3.0	.321	.265	.222	.275	.229	.192	.189	.159	.135	.109	.093	.079	.035	.030	.026	
4.0	.313	.253	.207	.268	.219	.180	.185	.152	.127	.107	.089	.075	.034	.029	.025	
5.0	.305	.243	.198	.262	.210	.172	.180	.147	.121	.105	.086	.072	.034	.028	.024	
6.0	.298	.235	.191	.256	.204	.166	.176	.143	.117	.102	.084	.070	.033	.027	.023	
7.0	.291	.229	.185	.250	.198	.162	.173	.139	.115	.100	.082	.068	.032	.027	.023	
8.0	.284	.223	.182	.244	.194	.158	.169	.136	.112	.098	.080	.067	.032	.026	.022	
9.0	.278	.218	.178	.239	.190	.156	.166	.133	.111	.097	.079	.066	.031	.026	.022	
10.0	.272	.214	.176	.234	.186	.154	.163	.131	.109	.095	.077	.065	.031	.025	.022	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:WFW  
 Test Date:2023-02-23

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:10.800m [K=1.0000]  
 Remarks:

### Uncorrected UGR Table

Test:U:12.00V I:0.4829A P:5.795W PF:1.000 Lamp Flux:100.858x1 lm										
NAME: SF21-12V-5050-60-W12-SPI4-3000K-G					TYPE:硅胶			WEIGHT:		
DIM.: 28MM*11.5MM					SPEC.:			SERIAL No.:20230223		
MFR.: OLYMPIA					SUR.:0.5*0.018			PROTECTION 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	7.5	8.8	8.0	9.3	9.9	5.6	6.9	6.1	7.5	8.1
3H	10.2	11.5	10.8	12.0	12.6	7.2	8.4	7.7	9.0	9.6
4H	11.7	12.9	12.3	13.5	14.2	7.8	9.0	8.4	9.6	10.3
6H	13.5	14.6	14.1	15.2	15.9	8.3	9.5	8.9	10.1	10.7
8H	14.4	15.5	15.0	16.1	16.8	8.5	9.6	9.1	10.2	10.9
12H	15.5	16.6	16.1	17.2	17.9	8.7	9.7	9.3	10.3	11.0
4H 2H	8.0	9.2	8.6	9.8	10.4	6.6	7.8	7.2	8.4	9.1
3H	11.0	12.1	11.6	12.7	13.4	8.5	9.5	9.1	10.1	10.8
4H	12.7	13.7	13.4	14.3	15.1	9.3	10.3	10.0	10.9	11.7
6H	14.7	15.5	15.3	16.2	17.0	10.1	10.9	10.8	11.6	12.4
8H	15.8	16.6	16.4	17.2	18.0	10.4	11.2	11.1	11.9	12.6
12H	17.0	17.7	17.7	18.4	19.2	10.6	11.3	11.3	12.0	12.8
8H 4H	13.1	13.9	13.8	14.6	15.4	10.4	11.2	11.1	11.9	12.7
6H	15.3	16.0	16.0	16.7	17.6	11.5	12.2	12.2	12.9	13.7
8H	16.6	17.2	17.4	18.0	18.8	12.0	12.6	12.8	13.4	14.2
12H	18.1	18.7	18.9	19.4	20.3	12.5	13.0	13.2	13.8	14.6
12H 4H	13.1	13.9	13.8	14.5	15.4	10.8	11.5	11.4	12.2	13.0
6H	15.5	16.1	16.2	16.8	17.6	12.1	12.7	12.8	13.4	14.3
8H	16.9	17.4	17.6	18.1	19.0	12.8	13.3	13.5	14.1	14.9
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					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 100.9 lm Total Lamp Luminous Flux. (8log(F/F0) = -8.0)

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-23

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.800m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:12.00V I:0.4829A P:5.795W PF:1.000 Lamp Flux:100.858x1 lm		
NAME: SF21-12V-5050-60-W12-SPI4-3000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

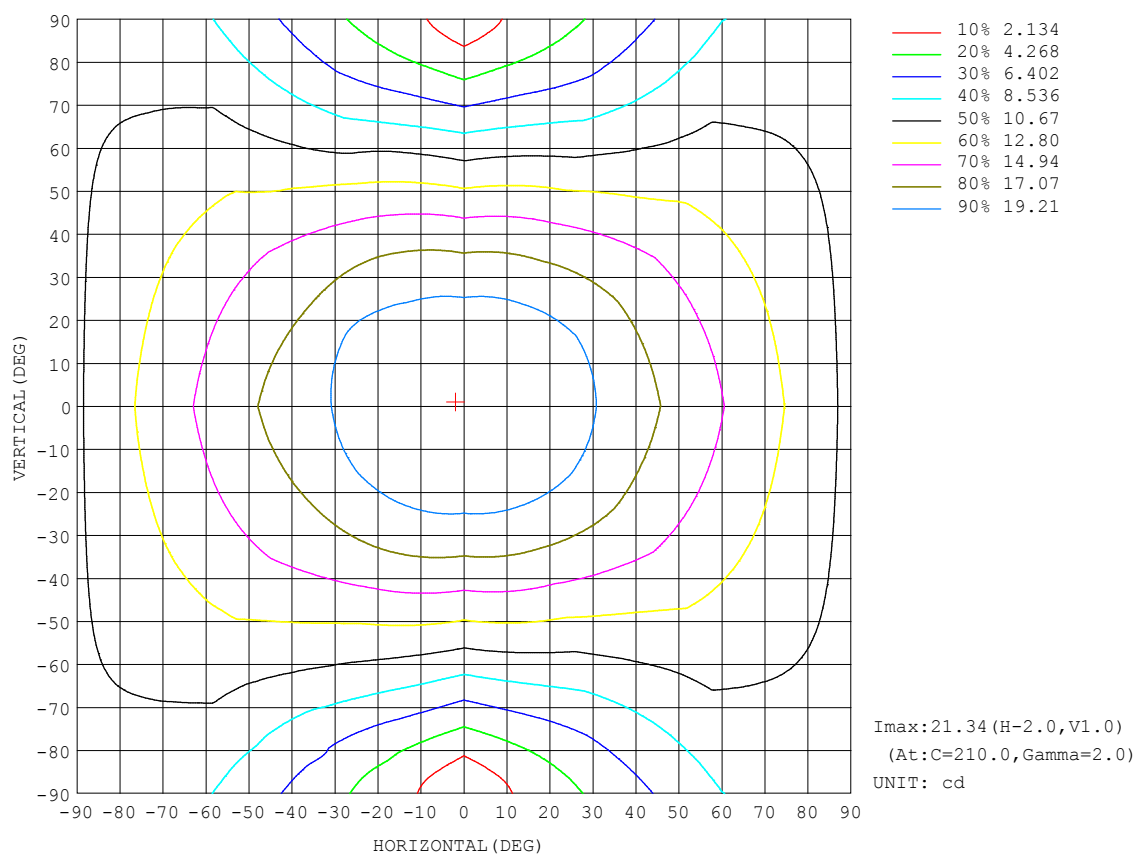
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	47	35	28	46	34	27	44	33	27	20
0.80	56	43	35	55	43	35	52	41	34	26
1.00	64	51	43	62	50	42	58	50	41	32
1.25	71	58	50	69	57	49	64	54	47	37
1.50	76	64	55	73	62	54	68	59	52	41
2.00	83	72	64	80	70	62	74	66	59	47
2.50	88	78	70	84	75	68	78	70	64	51
3.00	92	82	75	88	79	73	81	74	68	55
4.00	96	88	82	92	85	79	85	79	74	59
5.00	99	92	86	95	89	83	87	82	78	62
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:WFW  
Test Date:2023-02-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.800m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:12.00V I:0.4829A P:5.795W PF:1.000 Lamp Flux:100.858x1 lm		
NAME: SF21-12V-5050-60-W12-SPI4-3000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

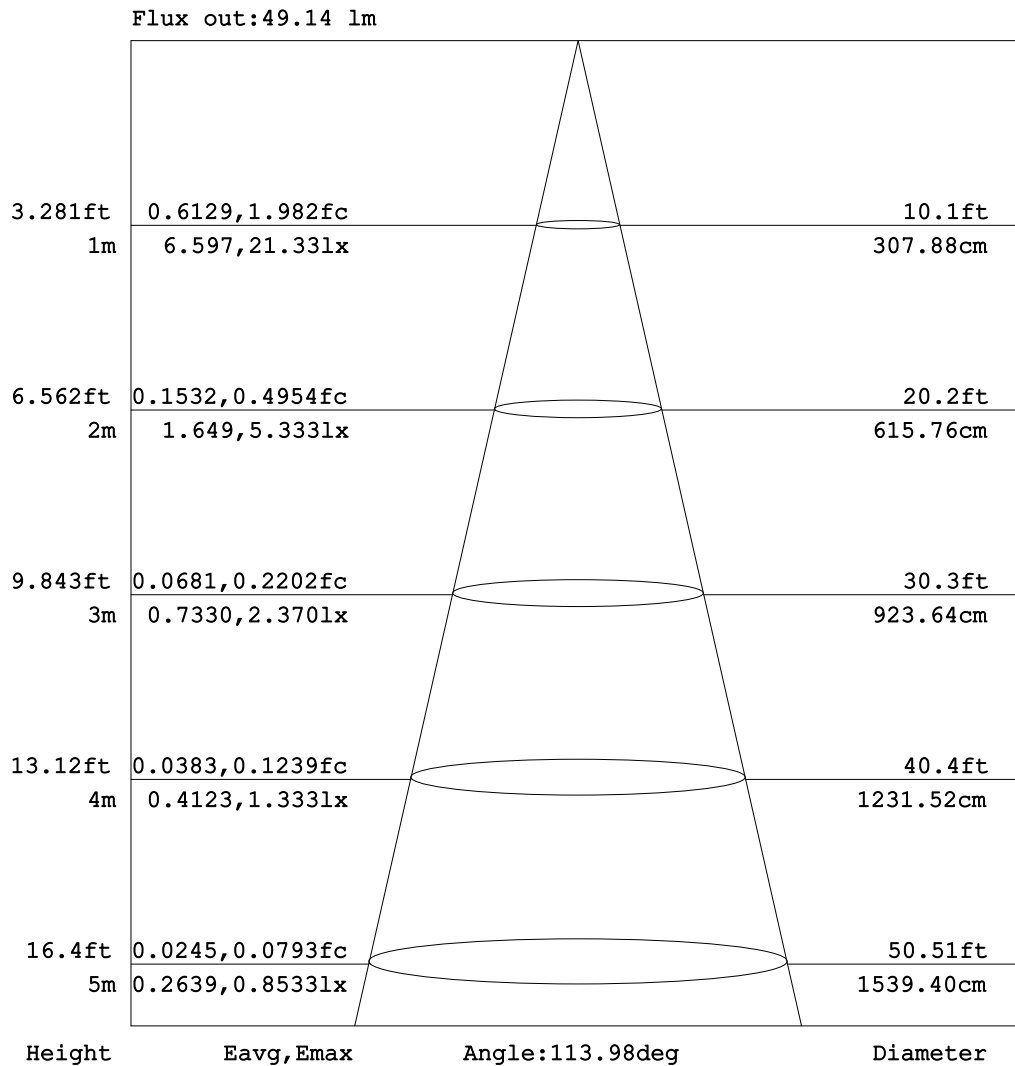


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.800m [K=1.0000]  
Remarks:

### AAI Figure

Test:U:12.00V I:0.4829A P:5.795W PF:1.000 Lamp Flux:100.858x1 lm		
NAME: SF21-12V-5050-60-W12-SPI4-3000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:



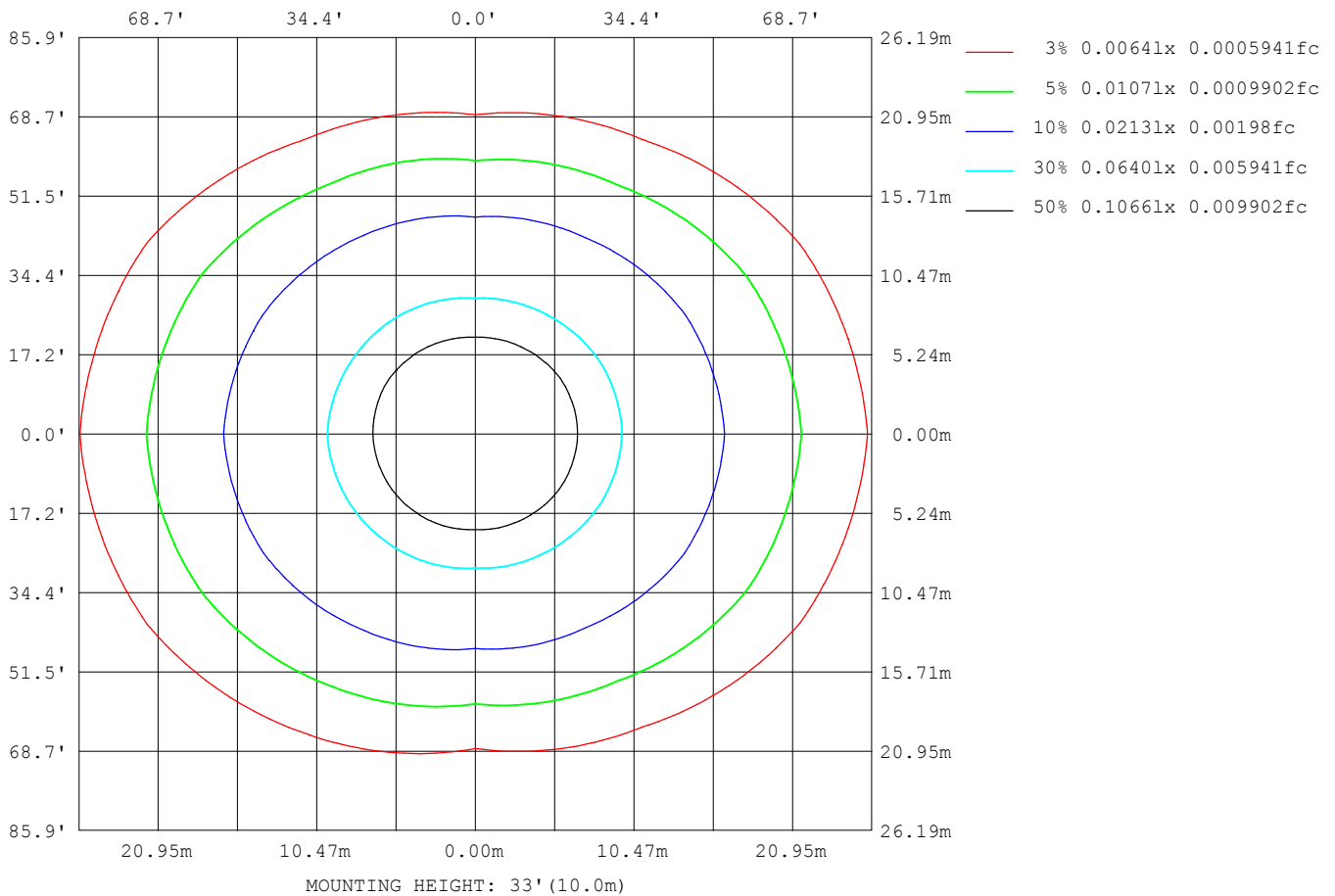
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-23

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.800m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

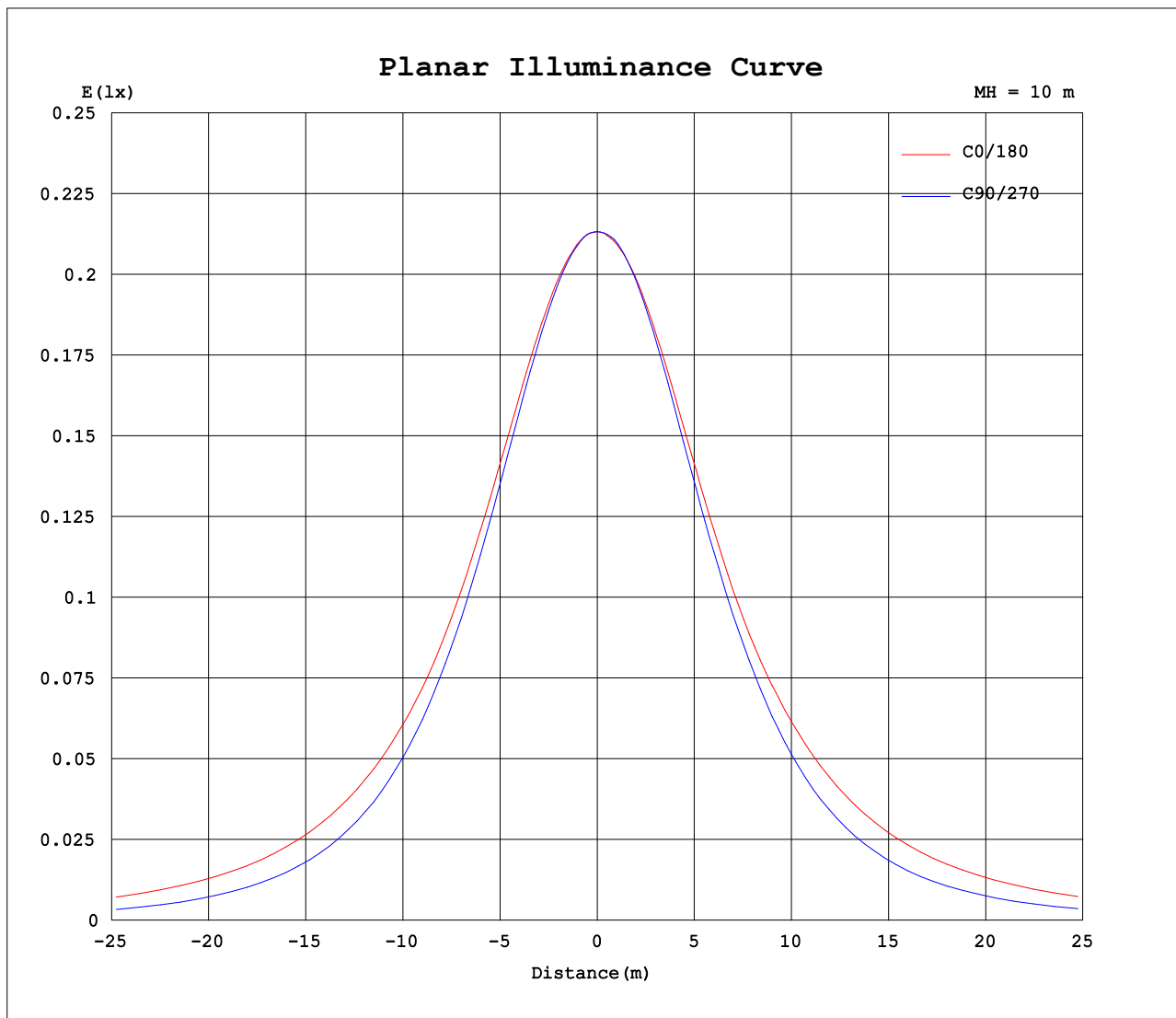
Test:U:12.00V I:0.4829A P:5.795W PF:1.000 Lamp Flux:100.858x1 lm		
NAME: SF21-12V-5050-60-W12-SPI4-3000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.800m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: WFW  
Test Date: 2023-02-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 10.800m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.00V I:0.4829A P:5.795W PF:1.000 Lamp Flux:100.858x1 lm		
NAME: SF21-12V-5050-60-W12-SPI4-3000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3							
5	21.3	21.2	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3							
10	21.1	21.1	21.1	21.0	21.1	21.2	21.1	21.2	21.1	21.1	21.1	21.1							
15	20.9	20.8	20.7	20.6	20.7	20.8	20.9	20.9	20.7	20.7	20.7	20.9							
20	20.5	20.3	20.1	20.0	20.2	20.4	20.4	20.5	20.2	20.1	20.2	20.5							
25	19.9	19.8	19.4	19.2	19.5	19.8	19.9	20.0	19.5	19.2	19.5	19.9							
30	19.3	19.1	18.6	18.2	18.6	19.0	19.3	19.5	18.8	18.3	18.7	19.3							
35	18.6	18.2	17.5	17.0	17.6	18.2	18.6	18.7	17.9	17.2	17.7	18.5							
40	17.8	17.4	16.4	15.7	16.5	17.3	17.9	17.6	16.9	16.0	16.5	17.5							
45	17.2	16.4	15.1	14.3	15.3	16.5	17.4	16.6	15.7	14.6	15.3	16.5							
50	16.5	15.5	13.7	12.7	14.0	15.7	16.8	15.8	14.4	13.0	14.0	15.7							
55	15.8	14.6	12.3	11.1	12.7	14.9	16.1	15.0	13.0	11.4	12.6	14.7							
60	15.0	13.7	10.9	9.34	11.4	14.0	15.4	14.1	11.5	9.66	11.1	13.8							
65	14.3	12.8	9.55	7.60	10.2	13.1	14.6	13.2	9.78	7.97	9.67	12.8							
70	13.5	11.9	8.31	5.81	8.88	12.3	13.8	12.3	8.50	6.24	8.35	11.9							
75	12.7	11.1	7.15	4.11	7.46	11.4	13.0	11.4	7.31	4.56	7.12	11.1							
80	11.9	10.2	6.15	2.50	6.34	10.5	12.2	10.5	6.27	3.06	6.08	10.2							
85	11.0	9.38	5.31	1.24	5.45	9.64	11.3	9.67	5.36	1.82	5.21	9.36							
90	10.1	8.50	4.57	0.71	4.74	8.73	10.4	8.77	4.58	1.15	4.47	8.49							
95	9.16	7.52	3.83	0.64	4.16	7.82	9.40	7.86	3.95	1.03	3.57	7.63							
100	8.21	6.40	3.01	0.64	3.93	6.97	8.46	6.99	3.60	0.93	2.98	6.80							
105	7.29	5.69	2.53	0.62	3.60	6.13	7.51	6.17	3.55	0.87	2.51	5.15							
110	6.22	4.46	2.25	0.62	3.27	5.44	6.65	5.44	3.39	0.82	2.22	4.64							
115	5.44	4.16	2.15	0.62	2.93	4.84	5.89	4.84	3.16	0.78	2.06	4.22							
120	4.73	3.67	2.02	0.60	2.60	4.32	5.24	4.32	2.70	0.75	1.88	3.66							
125	4.13	3.29	1.78	0.58	2.19	3.82	4.63	3.82	1.97	0.69	1.72	3.28							
130	3.77	2.92	1.57	0.55	1.84	3.35	4.07	3.35	1.61	0.60	1.48	2.92							
135	3.22	2.50	1.32	0.53	1.50	2.91	3.53	2.91	1.36	0.53	1.27	2.54							
140	2.65	2.08	1.13	0.52	1.28	2.48	3.03	2.49	1.15	0.44	0.92	2.02							
145	2.22	1.72	0.96	0.46	1.12	2.08	2.54	2.09	0.98	0.43	0.75	1.66							
150	1.91	1.38	0.84	0.46	0.94	1.65	2.06	1.68	0.84	0.40	0.61	1.34							
155	1.55	1.07	0.71	0.46	0.71	1.33	1.61	1.36	0.60	0.39	0.48	1.03							
160	1.23	0.82	0.64	0.45	0.60	1.04	1.26	1.08	0.48	0.39	0.44	0.78							
165	0.91	0.63	0.58	0.45	0.51	0.72	0.87	0.74	0.46	0.39	0.43	0.57							
170	0.59	0.53	0.51	0.45	0.47	0.50	0.51	0.55	0.45	0.39	0.42	0.51							
175	0.49	0.42	0.46	0.44	0.46	0.43	0.46	0.47	0.45	0.39	0.42	0.46							
180	0.44	0.43	0.44	0.44	0.44	0.42	0.44	0.45	0.44	0.39	0.42	0.46							

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-23

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.800m [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	21.32	21.32	21.32	21.32	21.32	21.33	21.32	21.32	21.32	21.32
3.0	21.32	21.26	21.32	21.32	21.32	21.32	21.29	21.34	21.32	21.32
6.0	21.27	21.21	21.28	21.21	21.28	21.28	21.25	21.33	21.25	21.30
9.0	21.17	21.09	21.13	21.07	21.19	21.20	21.16	21.23	21.14	21.17
12.0	21.03	20.96	20.94	20.85	20.99	21.03	21.03	21.07	20.96	20.95
15.0	20.85	20.76	20.69	20.59	20.74	20.83	20.87	20.89	20.72	20.68
18.0	20.63	20.52	20.38	20.23	20.42	20.57	20.62	20.67	20.42	20.32
21.0	20.36	20.24	20.02	19.82	20.04	20.26	20.35	20.39	20.10	19.91
24.0	20.04	19.90	19.59	19.36	19.62	19.90	20.04	20.11	19.69	19.41
27.0	19.71	19.51	19.11	18.80	19.12	19.49	19.70	19.84	19.25	18.90
30.0	19.32	19.09	18.56	18.21	18.56	19.04	19.31	19.52	18.80	18.31
33.0	18.89	18.60	17.95	17.52	17.99	18.55	18.90	18.94	18.28	17.67
36.0	18.44	18.08	17.30	16.77	17.41	18.01	18.45	18.67	17.70	16.98
39.0	17.96	17.53	16.58	16.00	16.74	17.47	18.05	18.03	17.08	16.23
42.0	17.54	16.95	15.85	15.14	16.04	16.93	17.74	17.03	16.41	15.42
45.0	17.16	16.38	15.06	14.29	15.30	16.48	17.42	16.56	15.68	14.57
48.0	16.76	15.88	14.26	13.34	14.53	16.06	17.06	16.14	14.94	13.60
51.0	16.35	15.37	13.42	12.40	13.74	15.58	16.67	15.67	14.15	12.67
54.0	15.92	14.81	12.57	11.38	12.93	15.08	16.27	15.17	13.32	11.68
57.0	15.47	14.27	11.69	10.40	12.15	14.56	15.84	14.64	12.41	10.68
60.0	15.02	13.72	10.86	9.340	11.42	14.03	15.39	14.10	11.51	9.664
63.0	14.57	13.16	10.07	8.294	10.69	13.48	14.93	13.56	10.38	8.695
66.0	14.13	12.64	9.290	7.249	9.921	12.96	14.47	13.00	9.492	7.628
69.0	13.67	12.11	8.556	6.161	9.152	12.46	14.00	12.48	8.738	6.610
72.0	13.20	11.59	7.829	5.115	8.356	11.90	13.54	11.96	8.003	5.592
75.0	12.74	11.09	7.150	4.111	7.455	11.38	13.05	11.43	7.311	4.560
78.0	12.25	10.58	6.526	3.121	6.762	10.87	12.56	10.91	6.674	3.659
81.0	11.75	10.07	5.972	2.207	6.145	10.35	12.05	10.39	6.072	2.779
84.0	11.22	9.563	5.473	1.452	5.675	9.819	11.52	9.843	5.545	2.045
87.0	10.66	9.044	4.995	0.8718	5.127	9.272	10.97	9.324	5.040	1.456
90.0	10.09	8.504	4.573	0.7131	4.739	8.732	10.37	8.770	4.576	1.150
93.0	9.518	7.990	4.087	0.6510	4.364	8.185	9.784	8.209	4.168	1.115
96.0	8.964	7.263	3.563	0.6386	4.080	7.658	9.209	7.696	3.856	1.011
99.0	8.383	6.681	3.055	0.6303	3.996	7.132	8.655	7.163	3.601	0.9422
102.0	7.842	6.204	2.799	0.6233	3.796	6.627	8.073	6.643	3.608	0.9004
105.0	7.288	5.691	2.529	0.6232	3.595	6.135	7.505	6.165	3.546	0.8658
108.0	6.796	4.832	2.349	0.6217	3.408	5.699	6.986	5.708	3.462	0.8381
111.0	6.028	4.349	2.237	0.6202	3.201	5.304	6.474	5.300	3.365	0.8173
114.0	5.577	4.252	2.182	0.6187	3.000	4.958	6.031	4.960	3.247	0.7828
117.0	5.182	3.968	2.106	0.6173	2.799	4.632	5.615	4.621	3.012	0.7716
120.0	4.732	3.670	2.016	0.6025	2.598	4.321	5.242	4.316	2.699	0.7550
123.0	4.323	3.442	1.884	0.5887	2.363	4.023	4.875	4.011	2.139	0.7135
126.0	4.066	3.199	1.739	0.5720	2.127	3.725	4.528	3.720	1.897	0.6582
129.0	3.859	2.984	1.614	0.5517	1.913	3.441	4.182	3.443	1.696	0.6165
132.0	3.554	2.811	1.469	0.5407	1.677	3.164	3.850	3.166	1.496	0.5611
135.0	3.215	2.499	1.316	0.5332	1.497	2.908	3.531	2.910	1.357	0.5264
138.0	2.861	2.257	1.199	0.5194	1.365	2.638	3.226	2.653	1.239	0.4505
141.0	2.571	2.008	1.081	0.4985	1.247	2.396	2.921	2.411	1.101	0.4415
144.0	2.293	1.779	0.9908	0.4633	1.150	2.153	2.631	2.189	1.004	0.4324
147.0	2.120	1.592	0.9144	0.4615	1.039	1.897	2.374	1.898	0.9344	0.4087
150.0	1.906	1.378	0.8383	0.4597	0.9353	1.655	2.056	1.677	0.8376	0.3982
153.0	1.691	1.198	0.7484	0.4578	0.7624	1.468	1.772	1.483	0.6438	0.3878
156.0	1.497	1.032	0.6859	0.4560	0.6860	1.274	1.537	1.303	0.5882	0.3878
159.0	1.309	0.8791	0.6511	0.4542	0.6166	1.094	1.322	1.136	0.5053	0.3879
162.0	1.109	0.7615	0.6029	0.4524	0.5613	0.9201	1.128	0.9703	0.4639	0.3879
165.0	0.9082	0.6300	0.5818	0.4506	0.5126	0.7198	0.8716	0.7414	0.4597	0.3879
168.0	0.7414	0.5677	0.5334	0.4487	0.4850	0.5745	0.6499	0.6167	0.4556	0.3879
171.0	0.5681	0.4986	0.4988	0.4469	0.4683	0.4914	0.4917	0.5334	0.4515	0.3879
174.0	0.5058	0.4431	0.4642	0.4451	0.4577	0.4390	0.4675	0.4779	0.4474	0.3879
177.0	0.4573	0.4225	0.4571	0.4433	0.4502	0.4225	0.4433	0.4502	0.4433	0.3878
180.0	0.4433	0.4294	0.4433	0.4433	0.4433	0.4225	0.4433	0.4502	0.4433	0.3948
G/C	300.0	330.0								
0.0	21.32	21.33								
3.0	21.33	21.33								
6.0	21.22	21.30								
9.0	21.12	21.21								
12.0	20.92	21.07								
15.0	20.69	20.90								
18.0	20.44	20.67								
21.0	20.09	20.38								
24.0	19.69	20.05								
27.0	19.22	19.70								
30.0	18.68	19.27								

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: WFW  
 Test Date: 2023-02-23

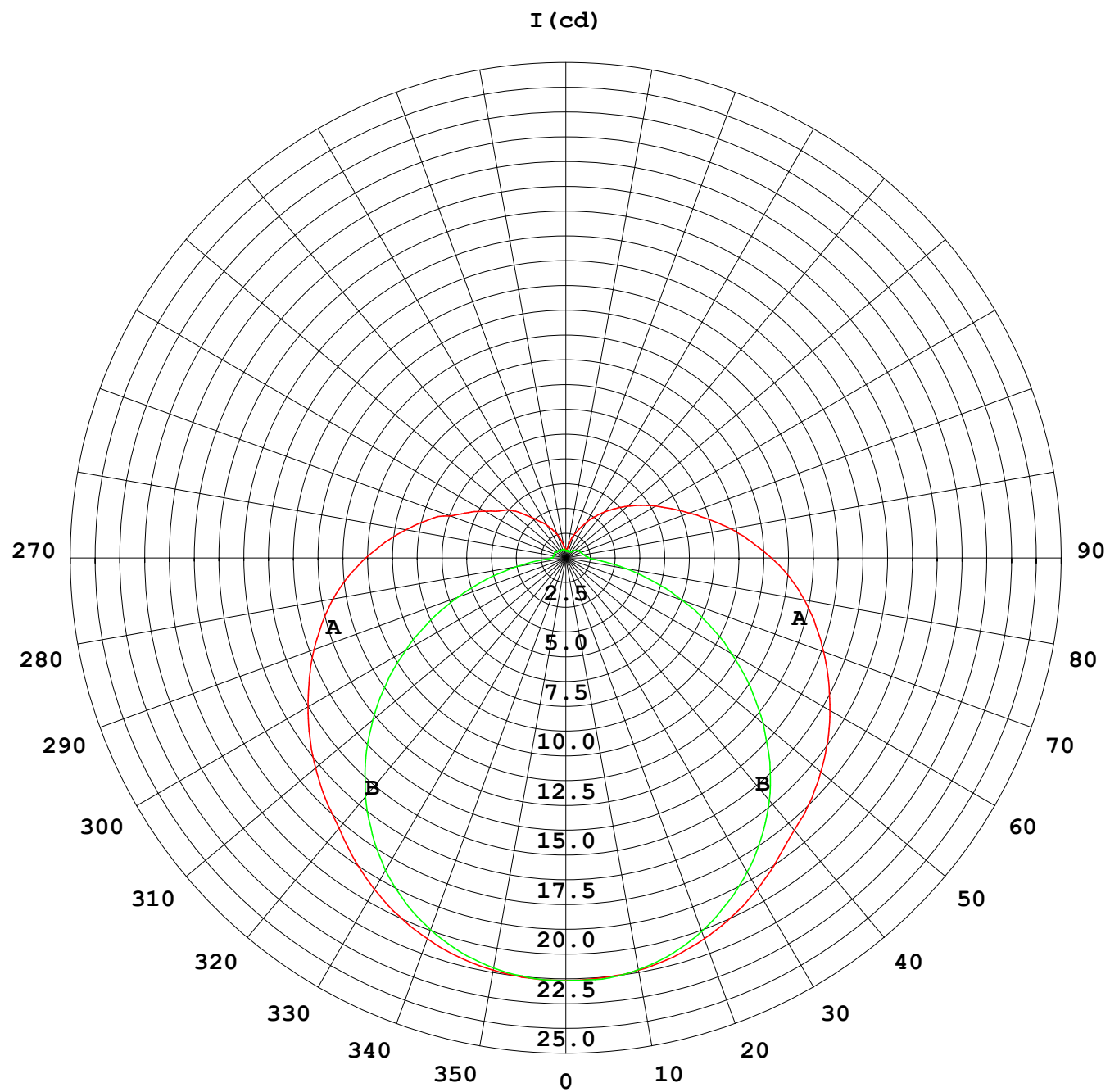
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 10.800m [K=1.0000]  
 Remarks:

## Photometric Data Table [cd]

33.0	18.10	18.79
36.0	17.46	18.27
39.0	16.79	17.72
42.0	16.10	17.13
45.0	15.34	16.53
48.0	14.55	16.02
51.0	13.72	15.49
54.0	12.84	14.93
57.0	11.99	14.34
60.0	11.05	13.77
63.0	10.23	13.21
66.0	9.382	12.65
69.0	8.620	12.11
72.0	7.851	11.60
75.0	7.125	11.09
78.0	6.487	10.58
81.0	5.912	10.06
84.0	5.379	9.539
87.0	4.916	9.040
90.0	4.473	8.486
93.0	4.083	7.973
96.0	3.621	7.468
99.0	3.129	6.955
102.0	2.776	6.284
105.0	2.506	5.155
108.0	2.319	4.961
111.0	2.195	4.544
114.0	2.098	4.336
117.0	1.946	3.991
120.0	1.877	3.658
123.0	1.800	3.415
126.0	1.682	3.200
129.0	1.537	2.993
132.0	1.413	2.799
135.0	1.274	2.543
138.0	1.045	2.252
141.0	0.8791	1.940
144.0	0.7823	1.718
147.0	0.7130	1.524
150.0	0.6093	1.337
153.0	0.5259	1.150
156.0	0.4847	0.9770
159.0	0.4432	0.8176
162.0	0.4335	0.6999
165.0	0.4293	0.5681
168.0	0.4252	0.5334
171.0	0.4211	0.4987
174.0	0.4169	0.4712
177.0	0.4155	0.4572
180.0	0.4155	0.4571

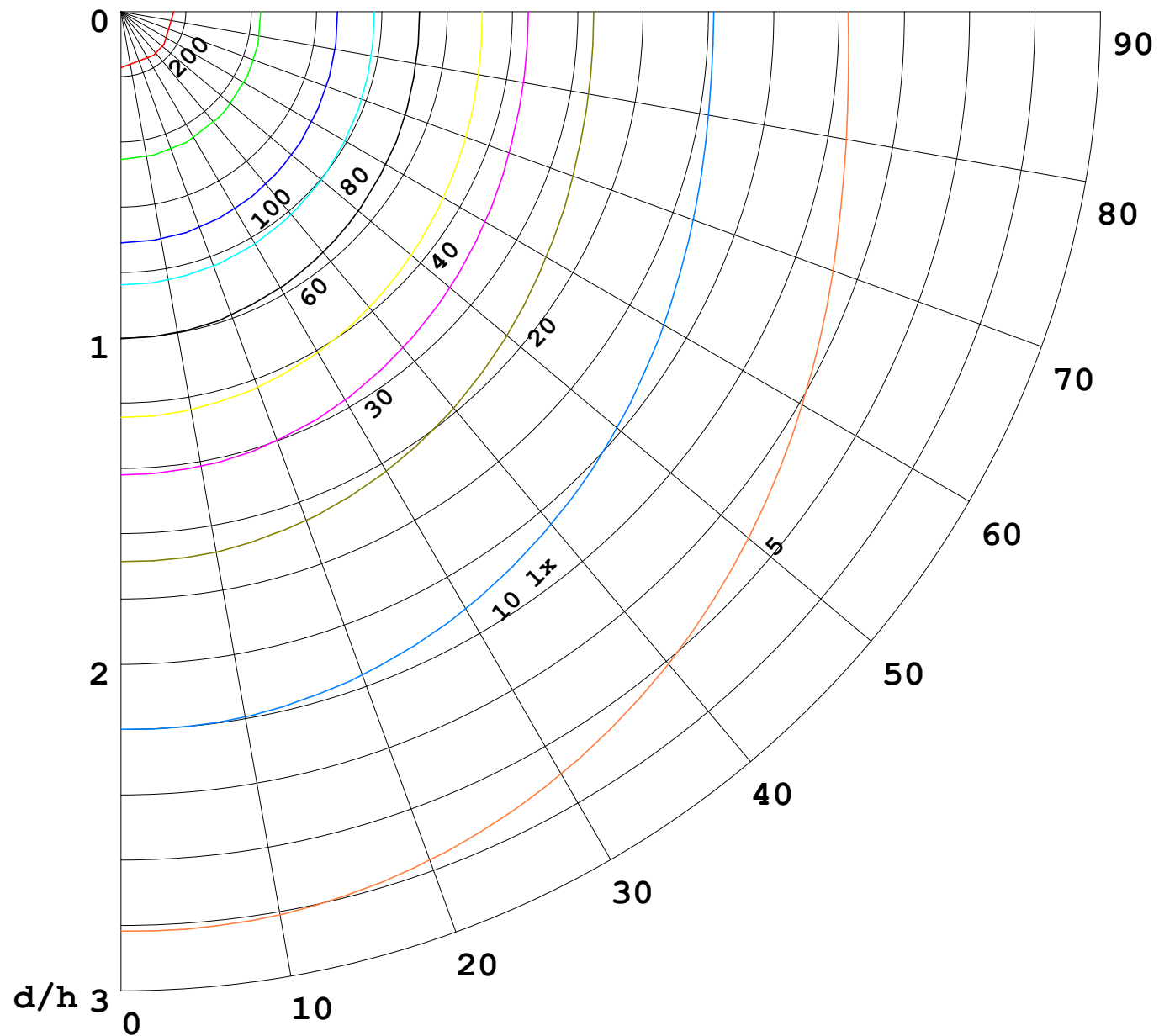
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-23

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.800m [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

