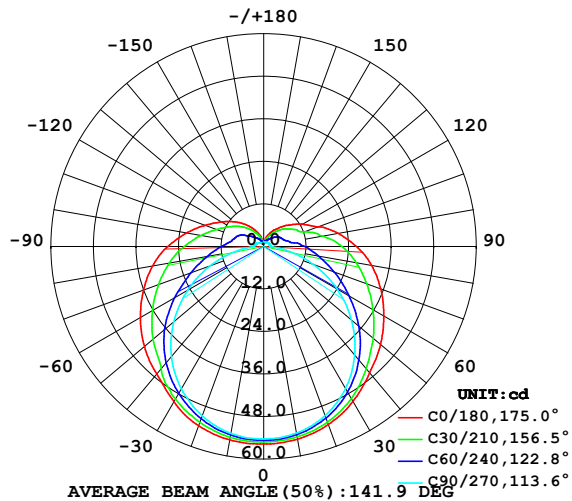


## LUMINAIRE PHOTOMETRIC TEST REPORT

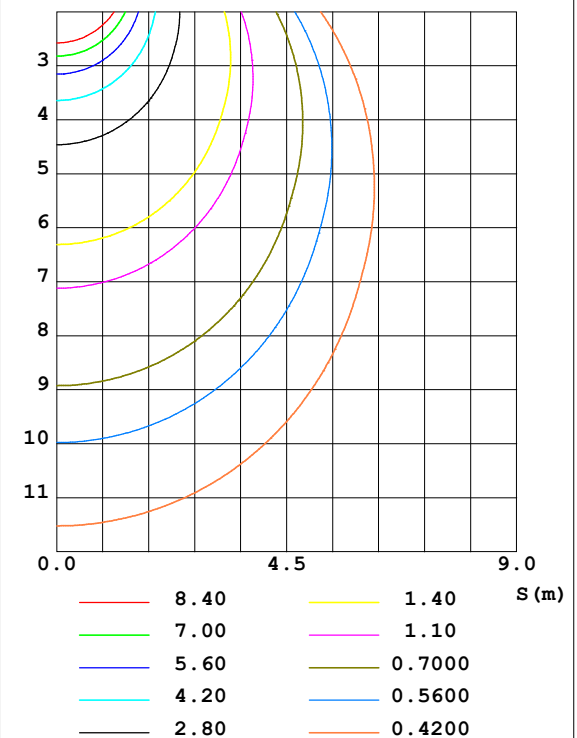
Test:U:12.00V I:1.468A P:17.61W PF:1.000 Lamp Flux:259.018x1 lm		
NAME: SF21-12V-5050-60-W12-SPI4-3000K	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 14.71 lm/W			
MODEL	5050	I <sub>max</sub> (cd)	55.75	S/MH (C0/180)	1.35
NOMINAL POWER (W)	17	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	259.02	η UP, DN (C0-180)	9.8, 39.9
NOMINAL FLUX (lm)	259.018	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	9.9, 40.3
LAMPS INSIDE	1	η up (%)	19.7	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	12.0	η down (%)	80.3	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



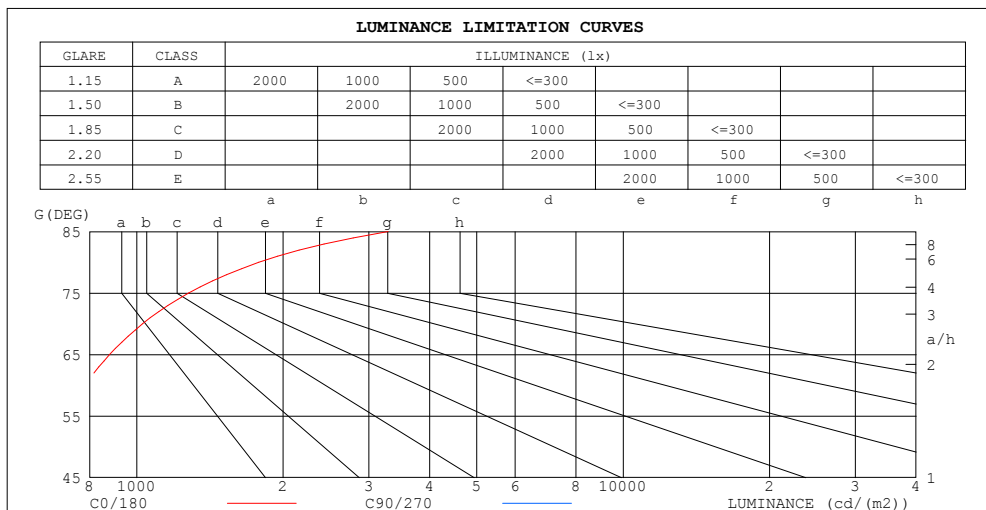
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: WFW  
Test Date: 2023-02-23

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	55.17	54.21	53.45	53.29	55.39	54.34	53.52	53.14	0- 10	5.182	5.182	2,2
20	53.44	52.11	50.76	51.30	53.79	52.22	50.80	51.15	10- 20	15.00	20.18	7.79,7.79
30	50.46	48.47	46.20	47.71	50.60	48.84	46.45	47.68	20- 30	23.18	43.36	16.7,16.7
40	46.51	43.41	39.99	42.62	46.97	43.90	40.53	42.88	30- 40	28.75	72.11	27.8,27.8
50	43.03	37.69	32.38	37.54	43.93	38.64	33.12	37.32	40- 50	31.40	103.5	40,40
60	39.13	31.69	23.88	32.16	40.19	32.65	24.74	31.32	50- 60	31.31	134.8	52.1,52.1
70	35.15	26.08	14.88	26.49	36.11	26.72	16.06	25.68	60- 70	28.72	163.6	63.1,63.1
80	30.92	21.14	6.518	21.28	31.83	21.63	7.901	20.67	70- 80	24.52	188.1	72.6,72.6
90	26.20	16.87	1.842	16.95	27.06	17.17	2.965	16.45	80- 90	19.85	207.9	80.3,80.3
100	21.36	12.29	1.762	13.72	22.17	13.64	2.487	12.49	90-100	15.66	223.6	86.3,86.3
110	16.19	8.988	1.720	11.26	17.57	11.15	2.279	8.828	100-110	11.87	235.5	90.9,90.9
120	12.64	7.486	1.676	9.056	13.90	8.862	2.085	7.096	110-120	8.816	244.3	94.3,94.3
130	9.416	5.932	1.622	6.964	10.89	6.611	1.656	5.624	120-130	6.324	250.6	96.7,96.7
140	6.984	4.297	1.399	4.948	8.176	4.901	1.323	3.873	130-140	4.141	254.7	98.3,98.3
150	5.058	3.023	1.280	3.469	5.628	3.404	1.143	2.635	140-150	2.416	257.2	99.3,99.3
160	3.305	2.088	1.270	2.271	3.544	2.210	1.128	1.732	150-160	1.227	258.4	99.8,99.8
170	1.649	1.531	1.268	1.447	1.606	1.432	1.155	1.352	160-170	0.5083	258.9	100,100
180	1.316	1.285	1.261	1.274	1.330	1.288	1.233	1.274	170-180	0.1292	259.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3287	379
80	1781	375
75	1278	407
70	1028	435
65	879	460
60	783	478
55	717	492
50	669	504
45	634	514

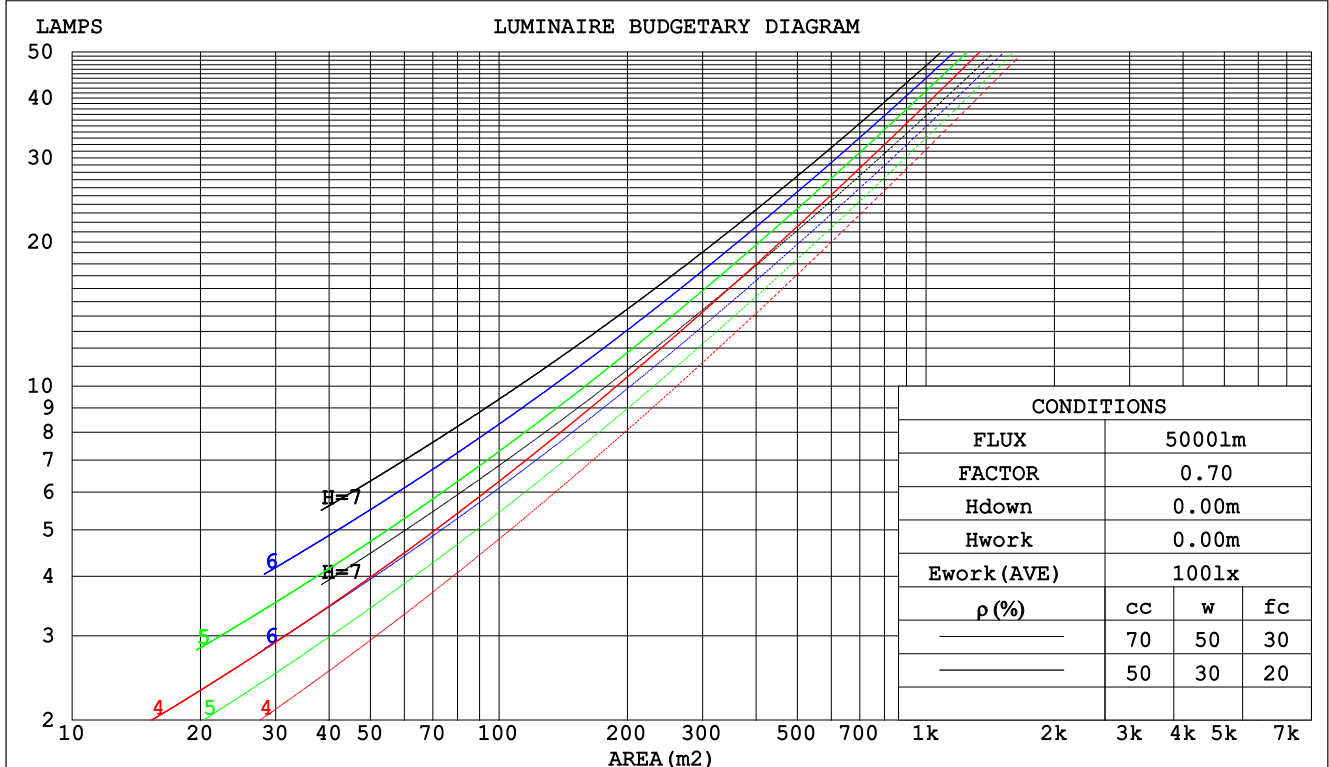
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  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:1.468A P:17.61W PF:1.000 Lamp Flux:259.018x1 lm		
NAME: SF21-12V-5050-60-W12-SPI4-3000K	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	1.09	1.09	1.09	1.00	1.00	1.00	.92	.92	.92	.84	.84	.84	.80
1.0	.95	.90	.85	.91	.86	.82	.83	.79	.75	.76	.72	.70	.69	.66	.64	.61
2.0	.81	.73	.67	.78	.71	.64	.71	.65	.60	.65	.60	.56	.59	.55	.52	.48
3.0	.71	.61	.54	.67	.59	.53	.62	.55	.49	.56	.50	.46	.51	.46	.43	.39
4.0	.62	.52	.45	.59	.51	.44	.54	.47	.41	.49	.43	.38	.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	.38	.32	.43	.36	.30	.40	.33	.29	.36	.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	.20	.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:1.468A P:17.61W PF:1.000 Lamp Flux:259.018x1 lm		
NAME: SF21-12V-5050-60-W12-SPI4-3000K	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	.326	.188	.060	.305	.177	.057		
2.0	.334	.183	.056	.322	.177	.055	.299	.166	.052	.279	.156	.049	.260	.147	.046		
3.0	.296	.158	.047	.285	.153	.046	.265	.144	.044	.246	.135	.041	.229	.127	.039		
4.0	.266	.138	.041	.256	.134	.040	.238	.126	.038	.221	.119	.036	.205	.111	.034		
5.0	.242	.123	.036	.233	.120	.035	.216	.113	.033	.201	.106	.031	.186	.099	.030		
6.0	.222	.111	.032	.213	.108	.031	.198	.102	.030	.184	.096	.028	.171	.090	.027		
7.0	.204	.101	.029	.197	.098	.028	.183	.092	.027	.170	.087	.025	.157	.082	.024		
8.0	.189	.093	.026	.183	.090	.025	.170	.085	.024	.158	.080	.023	.146	.075	.022		
9.0	.177	.085	.024	.170	.083	.023	.158	.078	.022	.147	.074	.021	.137	.069	.020		
10.0	.165	.079	.022	.159	.077	.021	.148	.073	.020	.138	.069	.019	.128	.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	.341	.341	.341	.291	.291	.291	.199	.199	.199	.114	.114	.114	.037	.037	.037	
1.0	.337	.307	.280	.288	.263	.241	.197	.181	.167	.114	.105	.097	.036	.034	.031	
2.0	.330	.284	.245	.283	.245	.212	.194	.169	.148	.112	.098	.087	.036	.032	.028	
3.0	.323	.268	.224	.277	.231	.194	.190	.161	.136	.110	.094	.080	.035	.030	.026	
4.0	.315	.255	.210	.270	.221	.182	.186	.154	.128	.108	.090	.076	.035	.029	.025	
5.0	.307	.246	.200	.264	.213	.174	.182	.148	.123	.105	.087	.073	.034	.028	.024	
6.0	.300	.238	.193	.258	.206	.168	.178	.144	.119	.103	.085	.071	.033	.028	.023	
7.0	.293	.231	.188	.252	.200	.164	.174	.140	.116	.101	.083	.069	.033	.027	.023	
8.0	.286	.226	.184	.246	.196	.160	.170	.137	.114	.099	.081	.068	.032	.027	.022	
9.0	.280	.221	.181	.241	.192	.158	.167	.135	.112	.097	.080	.067	.032	.026	.022	
10.0	.274	.217	.178	.236	.188	.156	.164	.132	.111	.096	.078	.066	.031	.026	.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:1.468A P:17.61W PF:1.000 Lamp Flux:259.018x1 lm										
NAME: SF21-12V-5050-60-W12-SPI4-3000K					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	10.8	12.2	11.3	12.7	13.3	8.8	10.2	9.4	10.7	11.3
3H	13.6	14.8	14.1	15.4	16.0	10.4	11.7	11.0	12.2	12.9
4H	15.1	16.3	15.7	16.9	17.5	11.1	12.3	11.7	12.8	13.5
6H	16.8	17.9	17.4	18.5	19.2	11.6	12.7	12.2	13.3	14.0
8H	17.8	18.9	18.4	19.5	20.2	11.8	12.9	12.4	13.5	14.2
12H	18.9	19.9	19.5	20.5	21.2	11.9	13.0	12.5	13.6	14.3
4H 2H	11.4	12.5	11.9	13.1	13.8	9.9	11.1	10.5	11.7	12.3
3H	14.4	15.4	15.0	16.0	16.7	11.7	12.8	12.4	13.4	14.1
4H	16.1	17.0	16.7	17.7	18.4	12.6	13.6	13.2	14.2	14.9
6H	18.0	18.9	18.7	19.5	20.3	13.3	14.2	14.0	14.9	15.6
8H	19.1	19.9	19.8	20.6	21.4	13.6	14.4	14.3	15.1	15.9
12H	20.3	21.1	21.0	21.8	22.6	13.9	14.6	14.6	15.3	16.1
8H 4H	16.4	17.2	17.1	17.9	18.7	13.7	14.5	14.3	15.1	15.9
6H	18.7	19.4	19.4	20.1	20.9	14.8	15.4	15.5	16.2	17.0
8H	20.0	20.6	20.7	21.3	22.2	15.3	15.9	16.0	16.6	17.5
12H	21.5	22.0	22.2	22.7	23.6	15.8	16.3	16.5	17.0	17.9
12H 4H	16.4	17.2	17.1	17.9	18.7	14.0	14.8	14.7	15.5	16.3
6H	18.8	19.4	19.5	20.1	21.0	15.4	16.0	16.1	16.7	17.6
8H	20.2	20.7	20.9	21.5	22.4	16.1	16.6	16.8	17.3	18.2
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					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 259.0 lm Total Lamp Luminous Flux. (8log(F/F0) = -4.7)

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:1.468A P:17.61W PF:1.000 Lamp Flux:259.018x1 lm		
NAME: SF21-12V-5050-60-W12-SPI4-3000K	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

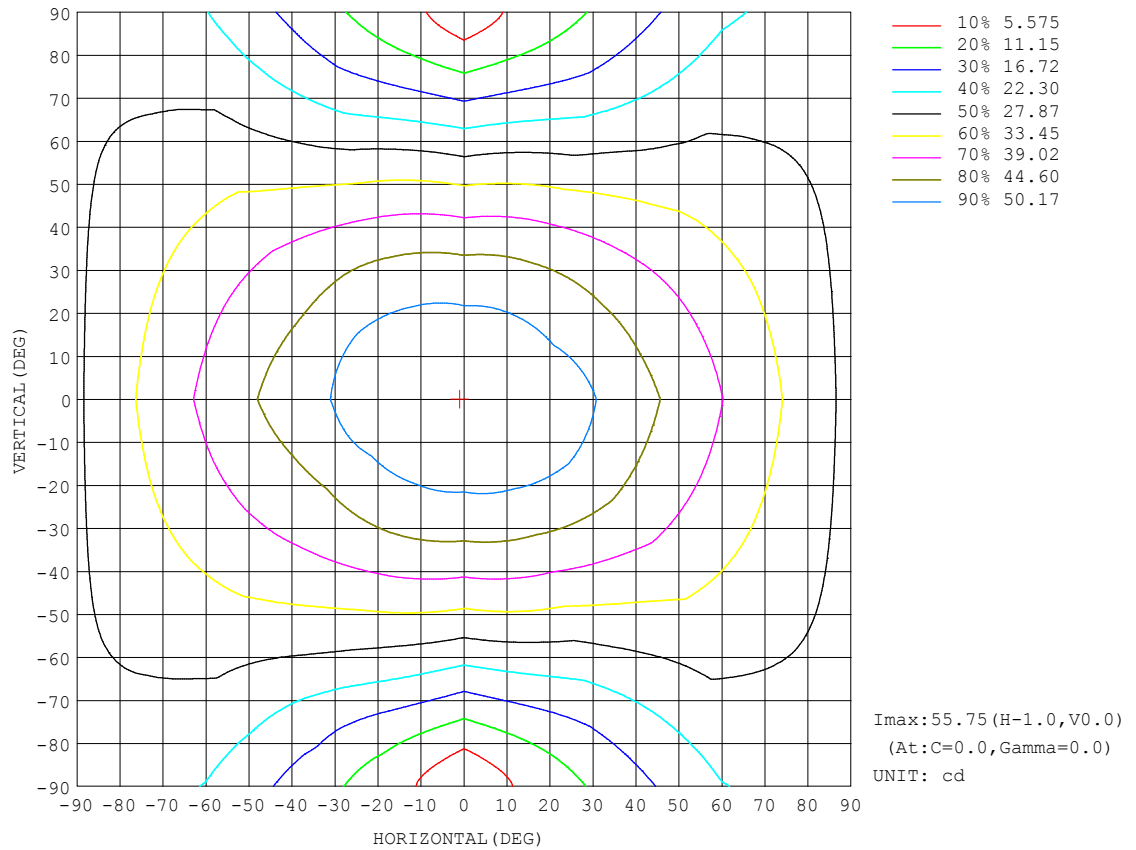
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	47	35	28	46	34	27	44	33	27	20
0.80	56	43	35	55	43	35	52	41	34	26
1.00	64	51	43	62	50	42	58	50	41	32
1.25	71	58	50	68	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	77	69	84	75	68	78	70	64	51
3.00	92	82	75	88	79	72	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

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:

## ISOCANDELA DIAGRAM

Test:U:12.00V I:1.468A P:17.61W PF:1.000 Lamp Flux:259.018x1 lm		
NAME: SF21-12V-5050-60-W12-SPI4-3000K	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:

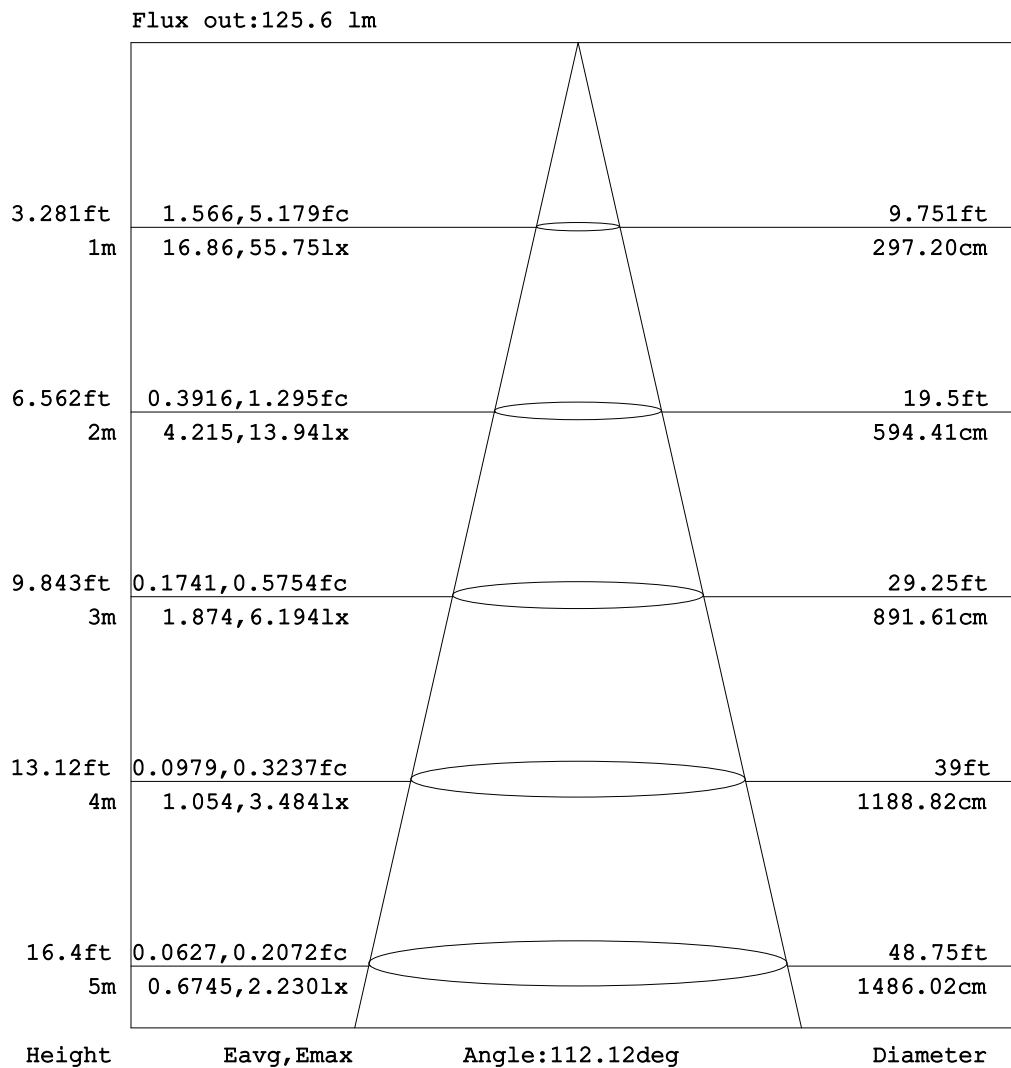


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-02-23

$\gamma$  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:1.468A P:17.61W PF:1.000 Lamp Flux:259.018x1 lm		
NAME: SF21-12V-5050-60-W12-SPI4-3000K	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.

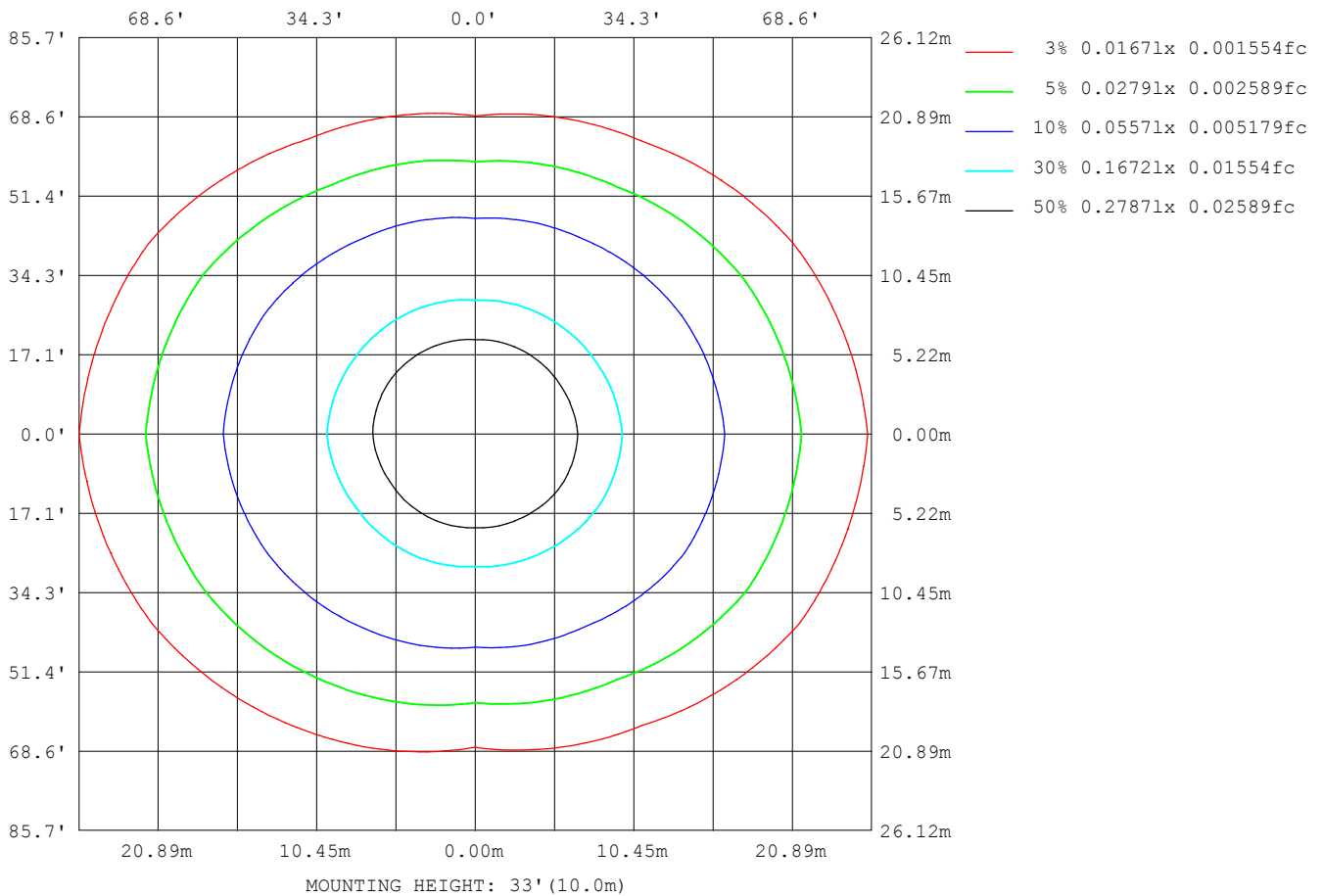
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: WFW  
Test Date: 2023-02-23

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

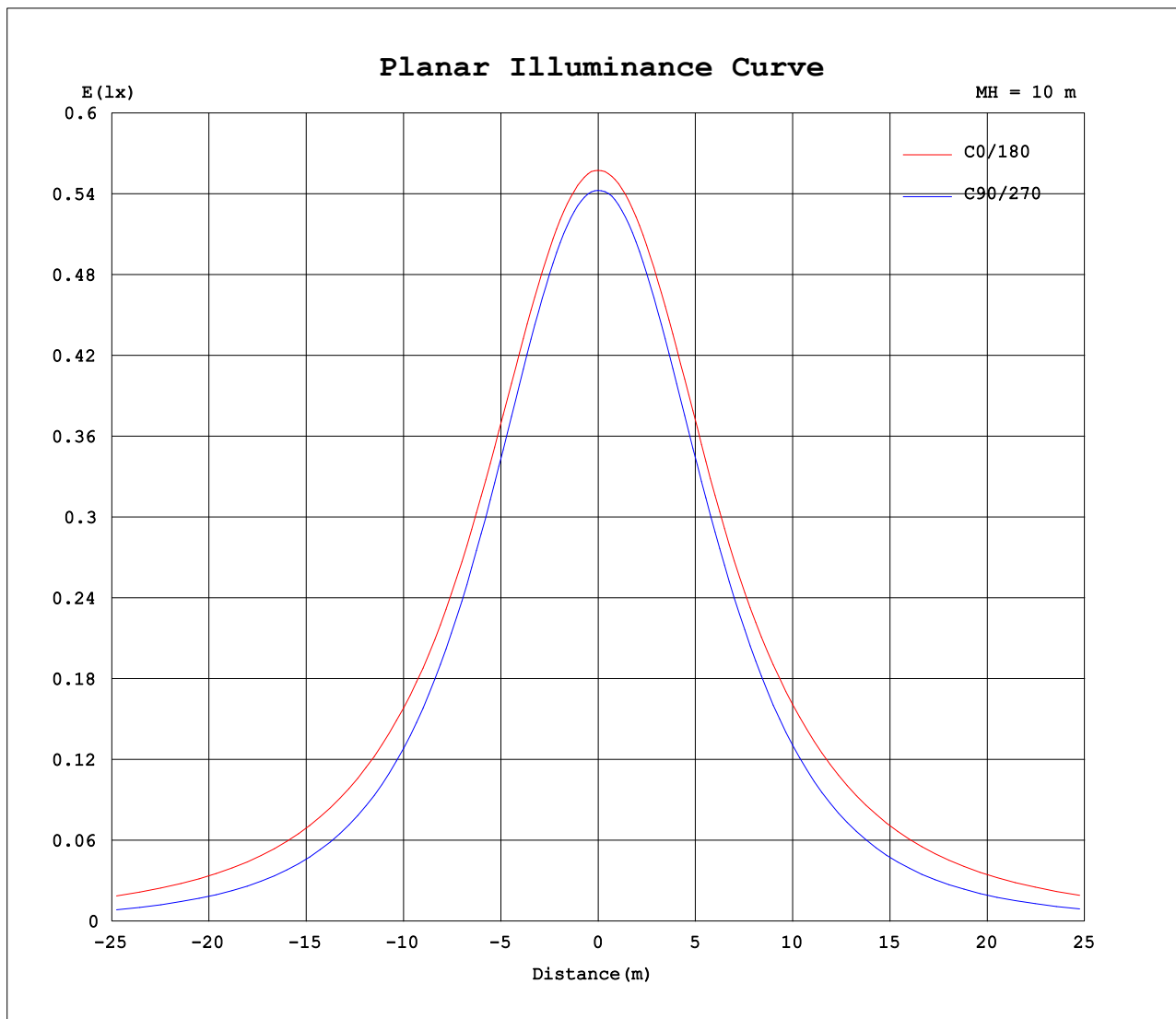
Test:U:12.00V I:1.468A P:17.61W PF:1.000 Lamp Flux:259.018x1 lm		
NAME: SF21-12V-5050-60-W12-SPI4-3000K	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:20230223
MFR.: OLYMPIA	SUR.:0.5*0.018	PROTECTION ANGLE:



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:1.468A P:17.61W PF:1.000 Lamp Flux:259.018x1 lm		
NAME: SF21-12V-5050-60-W12-SPI4-3000K	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	55.7	55.2	54.7	54.3	53.9	53.6	55.7	55.2	54.7	54.3	53.9	53.6							
5	55.6	55.0	54.5	54.1	53.9	53.6	55.7	55.1	54.5	54.2	53.8	53.5							
10	55.2	54.5	53.9	53.5	53.4	53.2	55.4	54.7	54.0	53.5	53.2	53.1							
15	54.5	53.8	52.9	52.3	52.4	52.5	54.8	53.9	53.1	52.4	52.3	52.4							
20	53.4	52.7	51.5	50.8	51.0	51.6	53.8	52.8	51.7	50.8	51.0	51.3							
25	52.1	51.3	49.7	48.7	49.2	50.2	52.5	51.4	50.0	48.8	49.3	49.9							
30	50.5	49.5	47.4	46.2	47.0	48.4	50.6	49.8	47.9	46.4	47.2	48.2							
35	48.6	47.4	44.8	43.3	44.6	45.7	48.7	47.8	45.5	43.7	44.7	46.1							
40	46.5	45.0	41.8	40.0	41.8	43.5	47.0	45.0	42.8	40.5	41.9	43.9							
45	44.8	42.5	38.5	36.3	38.7	41.5	45.6	42.7	39.8	37.0	38.8	41.4							
50	43.0	40.3	35.1	32.4	35.5	39.6	43.9	40.7	36.5	33.1	35.4	39.2							
55	41.1	38.0	31.4	28.2	32.1	37.5	42.1	38.5	32.8	29.0	31.8	36.9							
60	39.1	35.6	27.8	23.9	29.0	35.3	40.2	36.2	29.1	24.7	28.1	34.5							
65	37.2	33.3	24.4	19.4	25.8	33.1	38.2	33.9	25.2	20.4	24.7	32.3							
70	35.2	31.0	21.2	14.9	22.2	30.8	36.1	31.5	21.9	16.1	21.3	30.0							
75	33.1	28.7	18.3	10.5	18.6	28.6	34.0	29.3	18.9	11.8	18.2	27.9							
80	30.9	26.6	15.7	6.52	16.1	26.5	31.8	27.1	16.2	7.90	15.6	25.7							
85	28.6	24.3	13.6	3.31	13.7	24.3	29.5	24.8	13.9	4.69	13.4	23.6							
90	26.2	22.1	11.7	1.84	11.8	22.1	27.1	22.5	11.9	2.97	11.5	21.4							
95	23.8	19.8	9.96	1.81	10.6	19.8	24.6	20.1	10.4	2.72	9.51	19.2							
100	21.4	17.0	7.58	1.76	9.72	17.7	22.2	18.0	9.24	2.49	7.82	17.2							
105	19.0	14.9	6.53	1.73	9.09	15.7	19.8	16.0	8.66	2.35	6.62	13.0							
110	16.2	12.1	5.85	1.72	8.56	14.0	17.6	14.1	8.18	2.28	5.86	11.8							
115	14.2	10.7	5.56	1.71	7.79	12.5	15.6	12.6	7.55	2.17	5.37	10.7							
120	12.6	9.74	5.24	1.68	6.99	11.1	13.9	11.2	6.51	2.08	4.91	9.28							
125	11.0	8.67	4.66	1.63	6.17	9.90	12.4	9.99	5.25	1.88	4.41	8.35							
130	9.42	7.76	4.10	1.62	5.20	8.73	10.9	8.80	4.42	1.66	3.80	7.45							
135	8.28	6.69	3.51	1.53	4.03	7.59	9.49	7.66	3.76	1.46	3.28	6.50							
140	6.98	5.62	2.97	1.40	3.36	6.54	8.18	6.59	3.21	1.32	2.56	5.18							
145	5.92	4.66	2.57	1.30	2.92	5.49	6.92	5.52	2.77	1.23	2.15	4.25							
150	5.06	3.81	2.24	1.28	2.49	4.45	5.63	4.44	2.37	1.14	1.81	3.46							
155	4.11	3.07	1.93	1.27	1.94	3.61	4.47	3.62	1.81	1.12	1.46	2.70							
160	3.31	2.40	1.77	1.27	1.66	2.89	3.54	2.91	1.51	1.13	1.39	2.08							
165	2.52	1.86	1.61	1.27	1.44	2.03	2.58	2.03	1.32	1.13	1.31	1.58							
170	1.65	1.60	1.46	1.27	1.33	1.56	1.61	1.59	1.28	1.16	1.30	1.41							
175	1.39	1.38	1.35	1.27	1.30	1.29	1.35	1.34	1.27	1.18	1.29	1.32							
180	1.32	1.32	1.25	1.26	1.27	1.28	1.33	1.30	1.27	1.23	1.28	1.27							

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]

G/C	0.0	30.0	60.0	90.0	120.0	150.0	180.0	210.0	240.0	270.0
0.0	55.75	55.15	54.68	54.26	53.92	53.63	55.75	55.15	54.68	54.26
3.0	55.70	55.06	54.66	54.21	53.93	53.60	55.73	55.16	54.63	54.26
6.0	55.53	54.91	54.43	54.01	53.81	53.52	55.66	55.06	54.46	54.07
9.0	55.28	54.64	54.06	53.60	53.49	53.31	55.49	54.78	54.17	53.69
12.0	54.94	54.29	53.55	53.06	53.03	52.99	55.20	54.37	53.68	53.14
15.0	54.47	53.81	52.89	52.34	52.40	52.54	54.77	53.87	53.06	52.40
18.0	53.89	53.20	52.09	51.49	51.65	52.01	54.23	53.25	52.28	51.52
21.0	53.18	52.45	51.15	50.38	50.71	51.33	53.57	52.51	51.38	50.44
24.0	52.38	51.64	50.08	49.18	49.62	50.52	52.81	51.71	50.34	49.26
27.0	51.48	50.61	48.81	47.78	48.38	49.57	51.82	50.78	49.19	47.89
30.0	50.46	49.54	47.40	46.20	47.02	48.39	50.60	49.75	47.94	46.45
33.0	49.34	48.28	45.86	44.56	45.58	46.79	49.45	48.48	46.54	44.83
36.0	48.17	46.93	44.22	42.65	44.02	45.27	48.28	47.41	45.01	43.07
39.0	46.91	45.53	42.40	40.66	42.36	43.91	47.26	45.74	43.40	41.17
42.0	45.79	44.05	40.57	38.53	40.59	42.59	46.42	43.85	41.65	39.12
45.0	44.81	42.53	38.55	36.33	38.73	41.50	45.55	42.69	39.80	37.01
48.0	43.77	41.20	36.51	33.94	36.82	40.39	44.62	41.53	37.86	34.70
51.0	42.65	39.87	34.34	31.57	34.81	39.20	43.59	40.30	35.85	32.32
54.0	41.50	38.46	32.14	29.01	32.80	37.90	42.50	39.00	33.63	29.88
57.0	40.33	37.07	29.93	26.53	30.83	36.63	41.35	37.65	31.28	27.34
60.0	39.13	35.62	27.75	23.88	29.01	35.30	40.19	36.23	29.08	24.74
63.0	37.94	34.19	25.77	21.18	27.13	33.93	38.98	34.85	26.64	22.21
66.0	36.78	32.79	23.77	18.53	25.09	32.60	37.74	33.43	24.48	19.57
69.0	35.58	31.41	21.84	15.78	22.91	31.24	36.52	32.00	22.52	16.94
72.0	34.31	30.05	20.00	13.10	20.77	29.92	35.27	30.67	20.64	14.33
75.0	33.08	28.74	18.26	10.53	18.64	28.64	34.00	29.32	18.87	11.78
78.0	31.79	27.43	16.66	8.042	16.98	27.35	32.73	27.94	17.20	9.363
81.0	30.49	26.13	15.26	5.763	15.64	26.07	31.39	26.67	15.71	7.188
84.0	29.11	24.80	13.96	3.846	14.18	24.76	30.02	25.24	14.33	5.242
87.0	27.65	23.43	12.77	2.387	12.89	23.41	28.58	23.88	13.07	3.709
90.0	26.20	22.06	11.69	1.842	11.84	22.06	27.06	22.45	11.89	2.965
93.0	24.73	20.73	10.45	1.822	10.95	20.68	25.55	21.07	10.90	2.861
96.0	23.30	19.23	9.542	1.794	10.34	19.40	24.09	19.71	10.11	2.667
99.0	21.84	17.59	7.574	1.767	9.885	18.14	22.64	18.45	9.397	2.515
102.0	20.41	16.00	7.213	1.751	9.421	16.92	21.20	17.21	9.064	2.417
105.0	19.00	14.94	6.527	1.734	9.088	15.73	19.81	15.99	8.663	2.348
108.0	17.69	13.21	6.076	1.724	8.790	14.63	18.45	14.86	8.386	2.293
111.0	15.71	11.65	5.811	1.718	8.430	13.63	17.12	13.79	8.067	2.258
114.0	14.55	10.73	5.645	1.713	7.960	12.73	15.99	12.86	7.707	2.189
117.0	13.56	10.48	5.424	1.697	7.468	11.90	14.89	12.04	7.194	2.140
120.0	12.64	9.736	5.237	1.676	6.990	11.12	13.90	11.21	6.514	2.085
123.0	11.74	9.085	4.898	1.641	6.505	10.37	12.93	10.44	5.615	1.981
126.0	10.69	8.434	4.538	1.627	5.979	9.680	12.05	9.719	5.061	1.836
129.0	9.742	7.928	4.212	1.623	5.419	8.946	11.17	9.040	4.597	1.697
132.0	8.979	7.458	3.880	1.620	4.733	8.288	10.32	8.334	4.147	1.573
135.0	8.279	6.688	3.506	1.530	4.033	7.589	9.485	7.662	3.759	1.462
138.0	7.462	6.051	3.131	1.475	3.575	6.958	8.703	7.011	3.427	1.372
141.0	6.762	5.400	2.875	1.385	3.270	6.328	7.920	6.381	3.129	1.295
144.0	6.118	4.826	2.640	1.330	3.014	5.719	7.166	5.771	2.853	1.247
147.0	5.598	4.293	2.438	1.281	2.737	5.040	6.452	5.044	2.610	1.178
150.0	5.058	3.808	2.238	1.280	2.487	4.452	5.628	4.441	2.367	1.143
153.0	4.476	3.357	2.030	1.276	2.079	3.919	4.894	3.942	1.952	1.123
156.0	3.943	2.936	1.905	1.272	1.884	3.462	4.278	3.457	1.738	1.123
159.0	3.458	2.554	1.808	1.270	1.704	3.046	3.704	3.048	1.585	1.126
162.0	3.021	2.187	1.704	1.269	1.552	2.595	3.212	2.633	1.412	1.130
165.0	2.523	1.856	1.614	1.269	1.441	2.028	2.580	2.030	1.316	1.133
168.0	2.079	1.710	1.510	1.269	1.365	1.710	1.978	1.746	1.287	1.150
171.0	1.594	1.551	1.441	1.268	1.323	1.481	1.544	1.517	1.276	1.161
174.0	1.434	1.413	1.358	1.268	1.309	1.309	1.378	1.365	1.275	1.178
177.0	1.337	1.316	1.302	1.267	1.295	1.288	1.330	1.323	1.274	1.198
180.0	1.316	1.316	1.254	1.261	1.267	1.281	1.330	1.302	1.274	1.233
G/C	300.0	330.0								
0.0	53.92	53.63								
3.0	53.85	53.60								
6.0	53.67	53.42								
9.0	53.36	53.16								
12.0	52.88	52.81								
15.0	52.29	52.36								
18.0	51.60	51.77								
21.0	50.69	51.02								
24.0	49.66	50.21								
27.0	48.48	49.23								
30.0	47.17	48.20								

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:

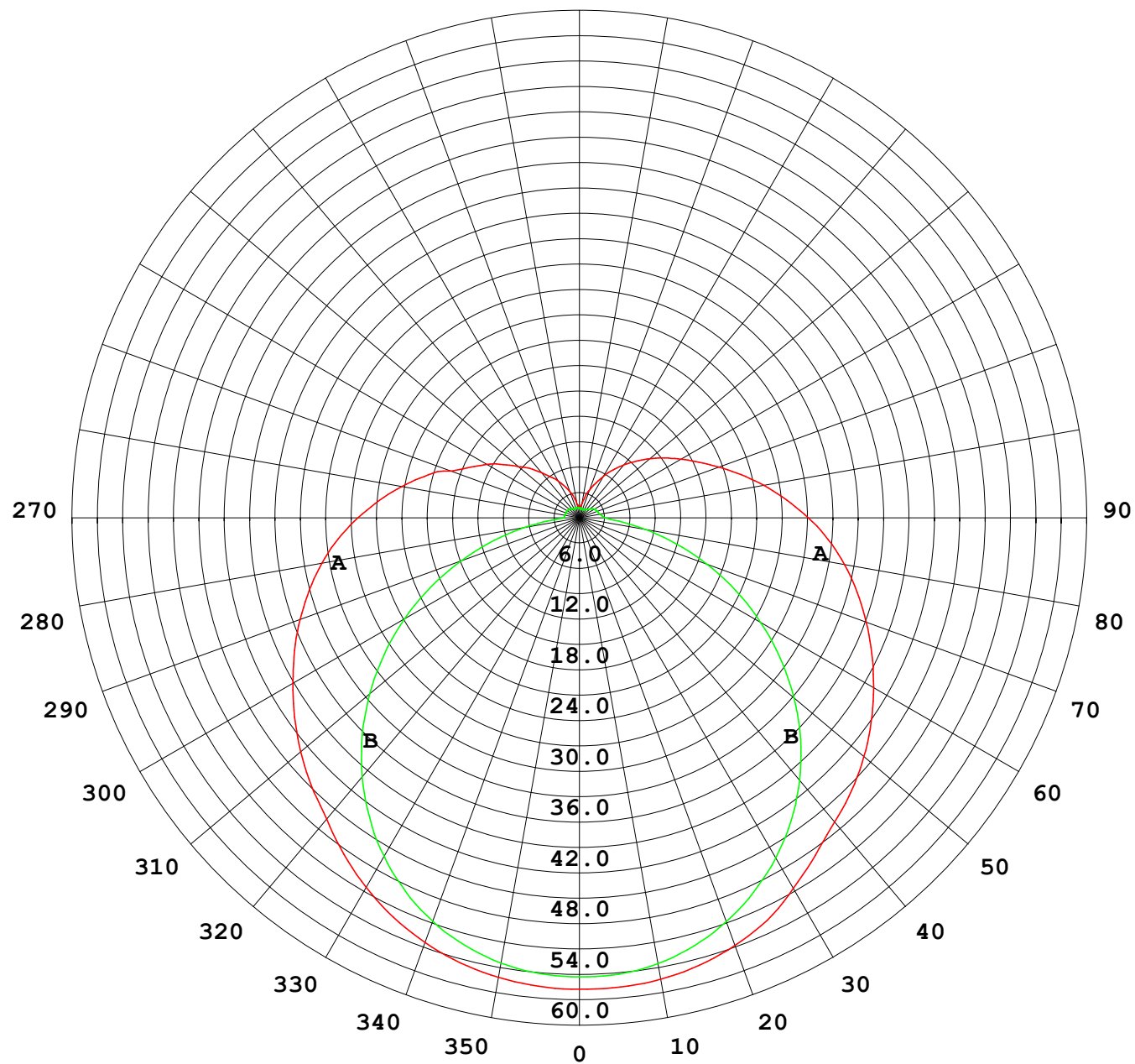
## Photometric Data Table [cd]

33.0	45.72	46.99
36.0	44.16	45.68
39.0	42.49	44.32
42.0	40.71	42.85
45.0	38.79	41.38
48.0	36.80	40.09
51.0	34.69	38.79
54.0	32.55	37.44
57.0	30.40	35.99
60.0	28.10	34.55
63.0	26.09	33.16
66.0	23.96	31.75
69.0	22.00	30.43
72.0	20.05	29.11
75.0	18.24	27.87
78.0	16.61	26.60
81.0	15.13	25.31
84.0	13.80	24.00
87.0	12.61	22.68
90.0	11.53	21.38
93.0	10.60	20.07
96.0	9.470	18.81
99.0	8.189	17.59
102.0	7.256	15.95
105.0	6.619	13.05
108.0	6.101	12.66
111.0	5.782	11.44
114.0	5.505	10.94
117.0	5.117	10.09
120.0	4.909	9.283
123.0	4.653	8.673
126.0	4.286	8.126
129.0	3.966	7.620
132.0	3.587	7.149
135.0	3.281	6.498
138.0	2.803	5.778
141.0	2.471	4.975
144.0	2.216	4.455
147.0	2.035	3.908
150.0	1.814	3.457
153.0	1.578	3.014
156.0	1.433	2.564
159.0	1.385	2.190
162.0	1.357	1.885
165.0	1.307	1.580
168.0	1.302	1.455
171.0	1.297	1.392
174.0	1.292	1.323
177.0	1.288	1.288
180.0	1.281	1.267

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Test Date:2023-02-23

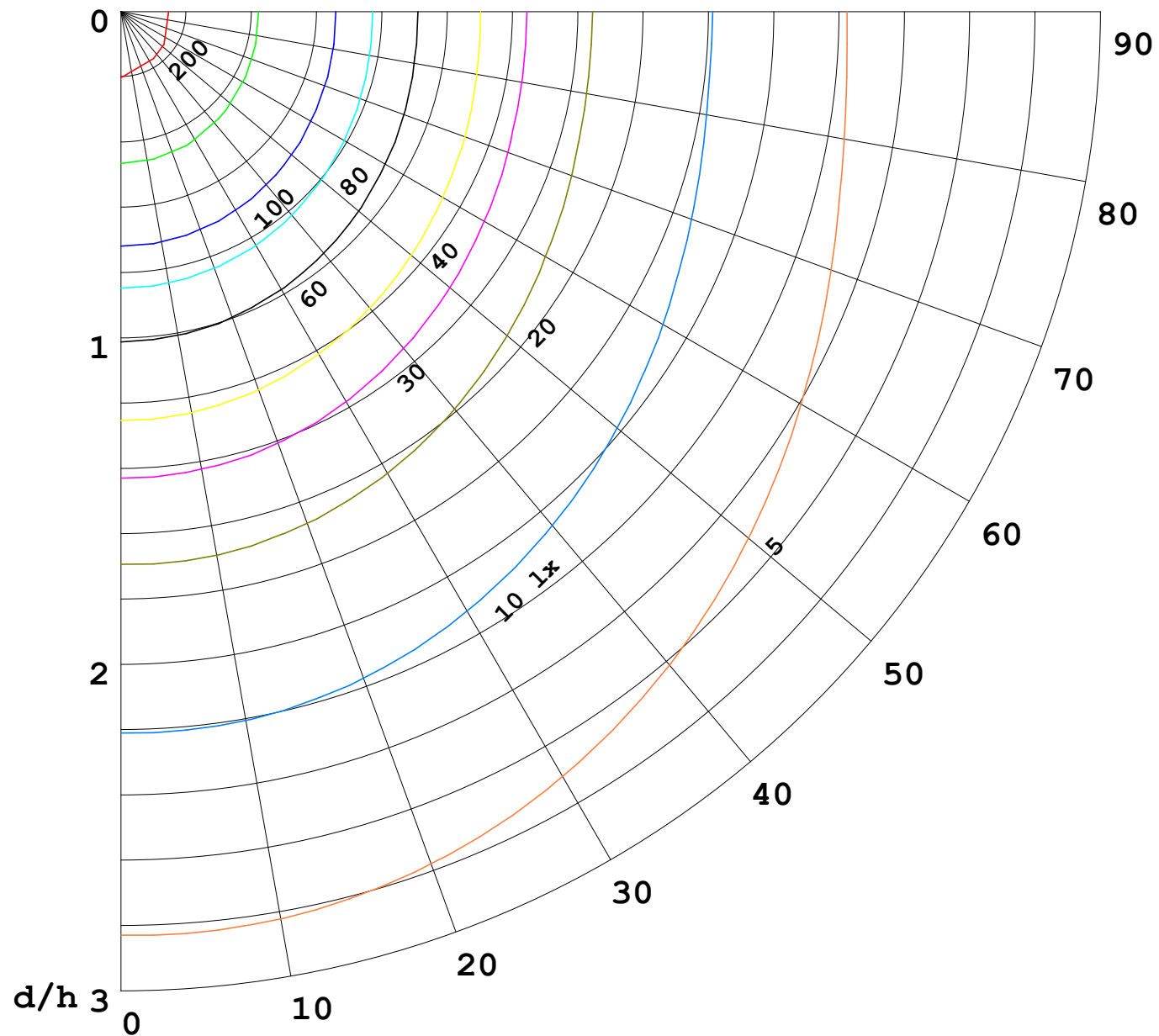
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.800m [K=1.0000]  
Remarks:

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

