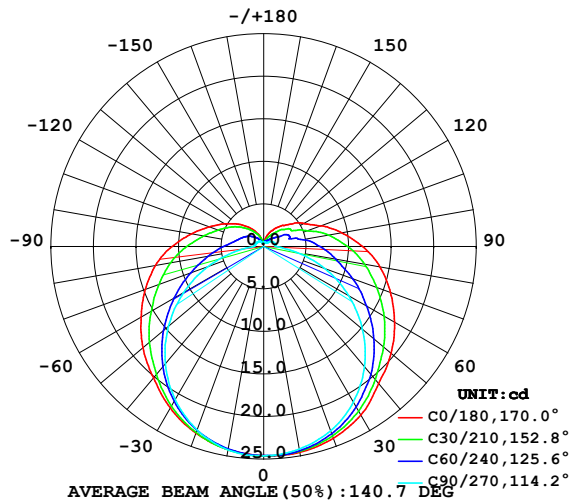


## LUMINAIRE PHOTOMETRIC TEST REPORT

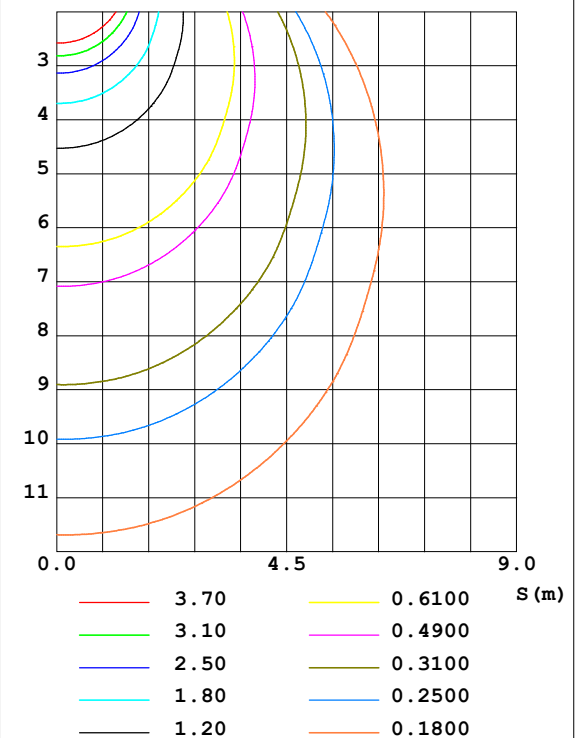
Test:U:24.00V I:0.2374A P:5.697W PF:1.000 Lamp Flux:115.594x1 lm		
NAME: SF21-24V-5050-70-SPI4-RGBW-5000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202303006
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 20.29 lm/W			
MODEL	5050	I <sub>max</sub> (cd)	24.65	S/MH (C0/180)	1.38
NOMINAL POWER (W)	18	LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	115.59	η UP, DN (C0-180)	9.4, 40.7
NOMINAL FLUX (lm)	115.594	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	9.7, 40.1
LAMPS INSIDE	1	η up (%)	19.2	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	24.0	η down (%)	80.8	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



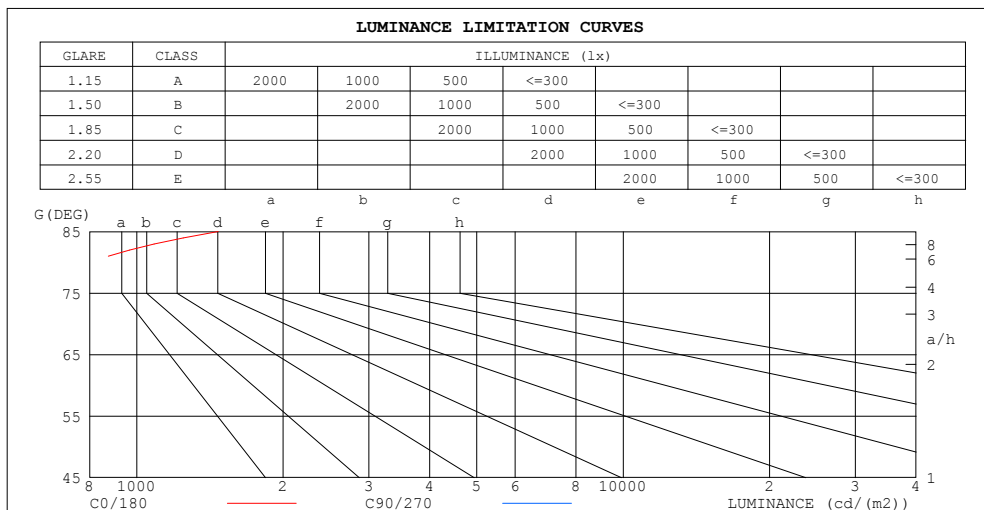
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: WFW  
Test Date: 2023-03-04

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	24.57	24.41	24.18	24.17	24.23	24.21	24.25	24.49	0- 10	2.335	2.335	2.02,2.02
20	23.98	23.55	23.05	23.09	23.35	23.13	22.94	23.66	10- 20	6.756	9.092	7.87,7.87
30	22.86	22.05	21.10	21.36	21.95	21.36	20.80	22.29	20- 30	10.44	19.53	16.9,16.9
40	21.03	20.02	18.45	19.04	20.17	19.03	17.98	20.26	30- 40	12.96	32.48	28.1,28.1
50	19.55	17.65	15.16	16.49	18.53	16.45	14.64	17.53	40- 50	14.12	46.60	40.3,40.3
60	17.77	15.15	11.52	13.76	16.64	13.72	10.92	15.02	50- 60	14.05	60.65	52.5,52.5
70	15.86	12.65	7.670	11.15	14.81	11.14	6.977	12.56	60- 70	12.90	73.55	63.6,63.6
80	13.87	10.32	3.841	8.858	12.91	8.865	3.237	10.29	70- 80	11.02	84.57	73.2,73.2
90	11.62	8.263	1.433	6.805	10.77	6.895	1.226	8.287	80- 90	8.867	93.44	80.8,80.8
100	9.311	6.237	1.385	5.239	8.648	5.344	1.101	6.417	90-100	6.914	100.3	86.8,86.8
110	7.055	4.390	1.281	4.138	6.793	4.280	1.025	4.842	100-110	5.189	105.5	91.3,91.3
120	5.431	3.287	1.156	3.265	5.345	3.473	0.9696	3.962	110-120	3.810	109.3	94.6,94.6
130	4.108	2.365	0.8585	2.500	4.133	2.708	0.8867	3.106	120-130	2.707	112.1	96.9,96.9
140	3.159	1.686	0.5954	1.849	3.081	1.998	0.8312	2.206	130-140	1.768	113.8	98.5,98.5
150	2.280	1.146	0.5056	1.250	2.105	1.374	0.6098	1.281	140-150	1.018	114.8	99.3,99.3
160	1.552	0.7928	0.5125	0.8169	1.266	0.8451	0.4504	0.8450	150-160	0.4981	115.3	99.8,99.8
170	0.6859	0.5956	0.5264	0.5194	0.5333	0.5681	0.4502	0.6130	160-170	0.2026	115.5	100,100
180	0.5402	0.5333	0.5264	0.5229	0.5333	0.5264	0.5125	0.5298	170-180	0.0520	115.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1470	264
80	799	221
75	575	221
70	464	224
65	398	227
60	355	230
55	326	233
50	304	236
45	287	239

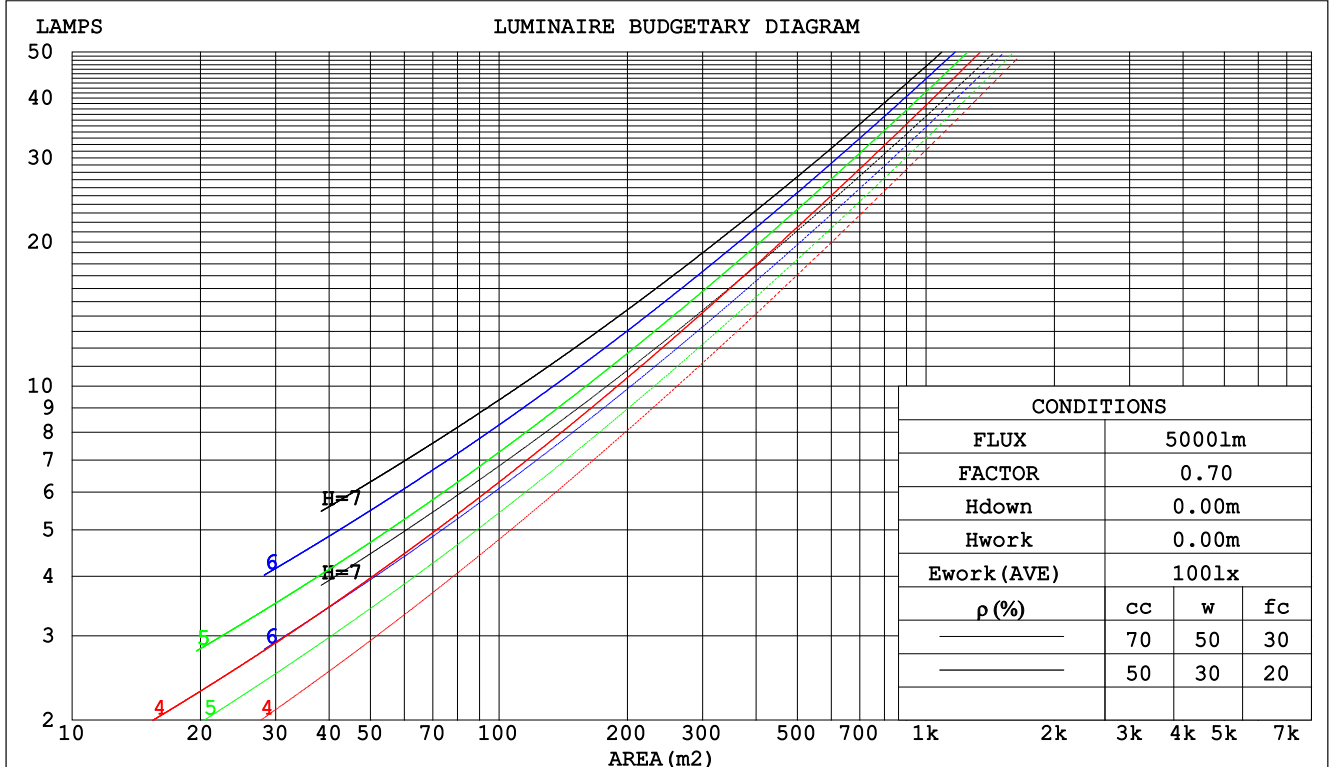
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-03-04

$\gamma$  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:24.00V I:0.2374A P:5.697W PF:1.000 Lamp Flux:115.594x1 lm		
NAME: SF21-24V-5050-70-SPI4-RGBW-5000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202303006
MFR.: OLYMPIA	SUR.:1.0*0.0115	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															



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-03-04

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:24.00V I:0.2374A P:5.697W PF:1.000 Lamp Flux:115.594x1 lm					
NAME: SF21-24V-5050-70-SPI4-RGBW-5000K-G			TYPE: 硅胶		WEIGHT:
DIM.: 28MM*11.5MM			SPEC.:		SERIAL No.:202303006
MFR.: OLYMPIA			SUR.:1.0*0.0115		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	.350	.201	.064	.327	.189	.061	.306	.178	.057		
2.0	.334	.183	.056	.322	.178	.055	.300	.167	.052	.280	.157	.049	.261	.148	.047		
3.0	.296	.158	.047	.286	.153	.046	.266	.144	.044	.247	.135	.042	.230	.127	.039		
4.0	.267	.138	.041	.257	.134	.040	.239	.127	.038	.222	.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	.199	.102	.030	.185	.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	.076	.022		
9.0	.177	.085	.024	.171	.083	.023	.159	.079	.022	.148	.074	.021	.137	.070	.020		
10.0	.165	.079	.022	.160	.077	.022	.149	.073	.021	.139	.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	.337	.337	.337	.288	.288	.288	.196	.196	.196	.113	.113	.113	.036	.036	.036	
1.0	.333	.303	.276	.285	.260	.237	.195	.179	.164	.112	.103	.095	.036	.033	.031	
2.0	.326	.280	.241	.279	.241	.208	.191	.167	.145	.110	.097	.085	.035	.031	.028	
3.0	.319	.264	.220	.273	.227	.190	.188	.158	.134	.108	.092	.079	.035	.030	.026	
4.0	.311	.251	.205	.267	.217	.178	.183	.151	.126	.106	.089	.074	.034	.029	.024	
5.0	.303	.241	.196	.260	.209	.170	.179	.146	.120	.104	.086	.071	.033	.028	.023	
6.0	.296	.233	.189	.254	.202	.164	.175	.141	.116	.102	.083	.069	.033	.027	.023	
7.0	.289	.227	.183	.248	.197	.160	.172	.138	.113	.100	.081	.067	.032	.027	.022	
8.0	.282	.221	.180	.243	.192	.157	.168	.135	.111	.098	.079	.066	.032	.026	.022	
9.0	.276	.216	.176	.237	.188	.154	.165	.132	.109	.096	.078	.065	.031	.026	.022	
10.0	.270	.212	.174	.233	.184	.152	.161	.130	.108	.094	.077	.064	.031	.025	.021	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:WFW  
 Test Date:2023-03-04

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:24.00V I:0.2374A P:5.697W PF:1.000 Lamp Flux:115.594x1 lm										
NAME: SF21-24V-5050-70-SPI4-RGBW-5000K-G					TYPE:硅胶			WEIGHT:		
DIM.: 28MM*11.5MM					SPEC.:			SERIAL No.:202303006		
MFR.: OLYMPIA					SUR.:1.0*0.0115			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	8.2	9.5	8.7	10.1	10.6	6.6	8.0	7.1	8.5	9.1
3H	10.9	12.2	11.4	12.7	13.3	8.4	9.6	8.9	10.2	10.8
4H	12.4	13.6	13.0	14.2	14.8	9.2	10.4	9.7	10.9	11.6
6H	14.1	15.2	14.7	15.8	16.5	9.8	10.9	10.4	11.5	12.2
8H	15.1	16.1	15.7	16.7	17.4	10.1	11.2	10.7	11.8	12.5
12H	16.1	17.2	16.7	17.8	18.5	10.3	11.4	10.9	12.0	12.7
4H 2H	8.8	10.0	9.4	10.6	11.2	7.7	8.9	8.3	9.5	10.1
3H	11.7	12.8	12.4	13.4	14.1	9.7	10.8	10.3	11.4	12.1
4H	13.4	14.4	14.1	15.0	15.8	10.7	11.7	11.4	12.3	13.1
6H	15.3	16.2	16.0	16.9	17.6	11.6	12.5	12.3	13.1	13.9
8H	16.4	17.2	17.1	17.9	18.7	12.0	12.8	12.7	13.5	14.3
12H	17.6	18.4	18.3	19.1	19.9	12.3	13.1	13.0	13.8	14.6
8H 4H	13.8	14.6	14.5	15.3	16.1	11.7	12.5	12.4	13.2	13.9
6H	16.0	16.7	16.7	17.4	18.2	13.0	13.7	13.7	14.4	15.2
8H	17.3	17.9	18.0	18.6	19.5	13.6	14.2	14.3	15.0	15.8
12H	18.8	19.3	19.5	20.0	20.9	14.2	14.8	15.0	15.5	16.4
12H 4H	13.9	14.6	14.6	15.3	16.1	12.0	12.7	12.7	13.4	14.2
6H	16.2	16.8	16.9	17.5	18.4	13.5	14.1	14.2	14.8	15.7
8H	17.6	18.1	18.3	18.8	19.7	14.3	14.9	15.1	15.6	16.5
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 Corrected 115.6 lm Total Lamp Luminous Flux. (8log(F/F0) = -7.5)

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:WFW  
 Test Date:2023-03-04

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:24.00V I:0.2374A P:5.697W PF:1.000 Lamp Flux:115.594x1 lm		
NAME: SF21-24V-5050-70-SPI4-RGBW-5000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202303006
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

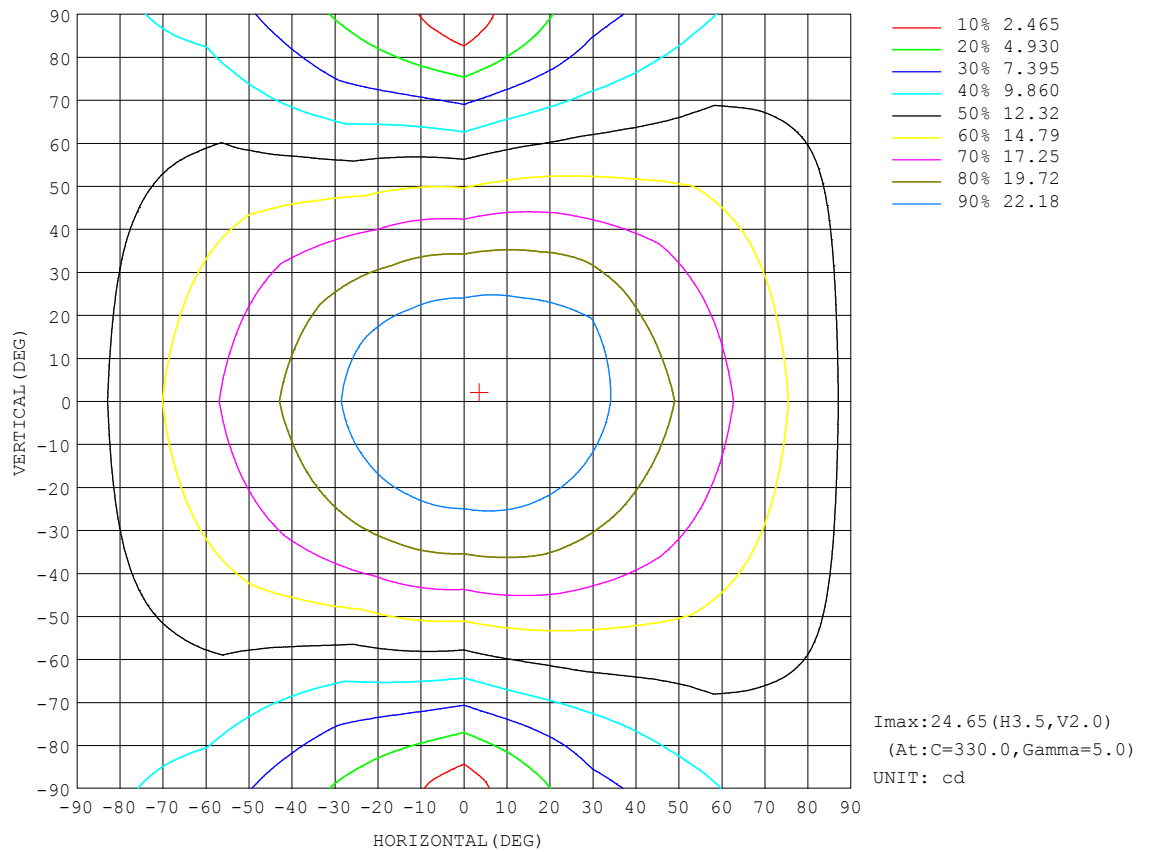
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	47	35	28	46	35	27	44	34	27	20
0.80	57	43	35	55	43	35	52	41	34	26
1.00	64	51	43	62	50	42	59	51	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	48
2.50	88	78	70	84	75	68	78	70	64	51
3.00	92	82	75	88	80	73	81	74	69	55
4.00	96	88	82	92	85	79	85	79	74	60
5.00	99	92	86	95	89	84	88	83	78	63
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:2023-03-04

$\gamma$  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:24.00V I:0.2374A P:5.697W PF:1.000 Lamp Flux:115.594x1 lm		
NAME: SF21-24V-5050-70-SPI4-RGBW-5000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202303006
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

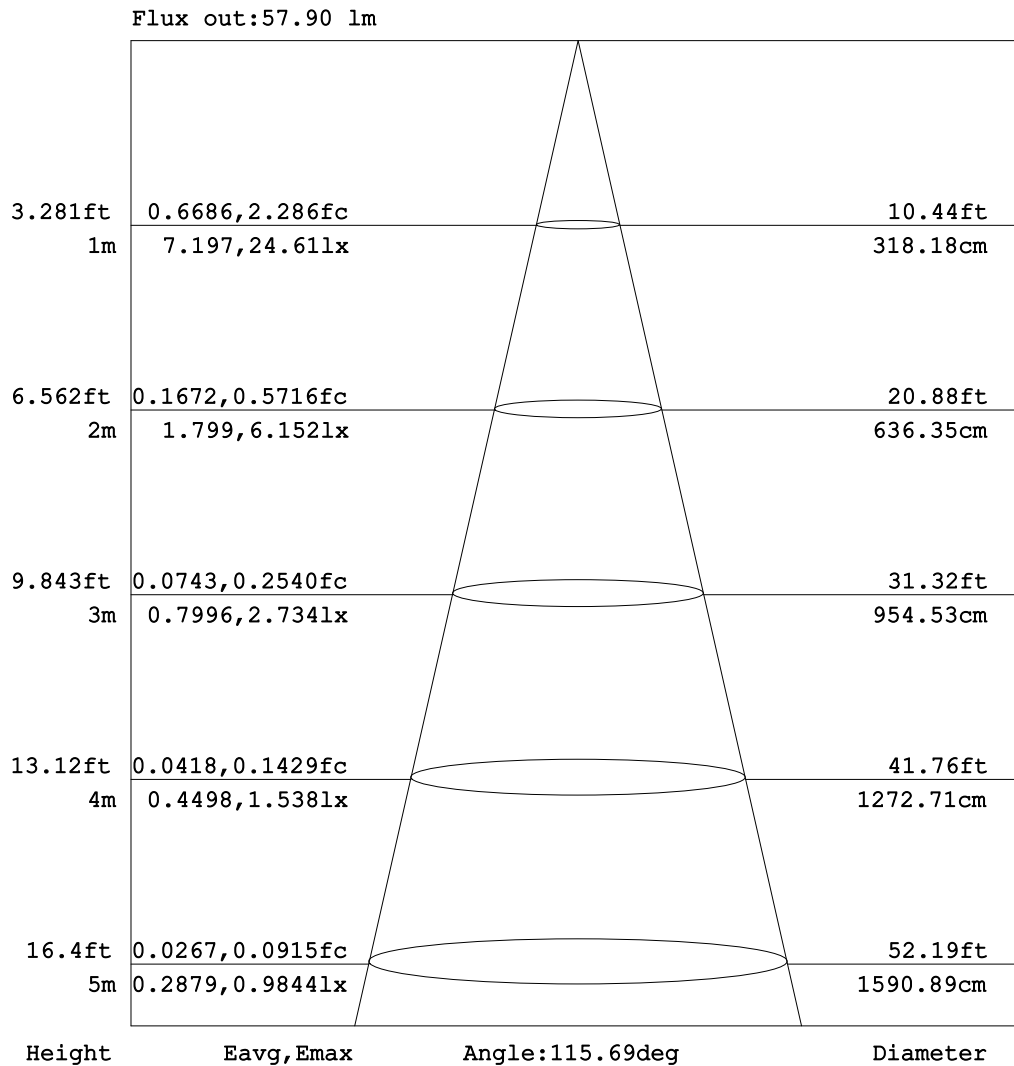


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-03-04

$\gamma$  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:24.00V I:0.2374A P:5.697W PF:1.000 Lamp Flux:115.594x1 lm		
NAME: SF21-24V-5050-70-SPI4-RGBW-5000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202303006
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:



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

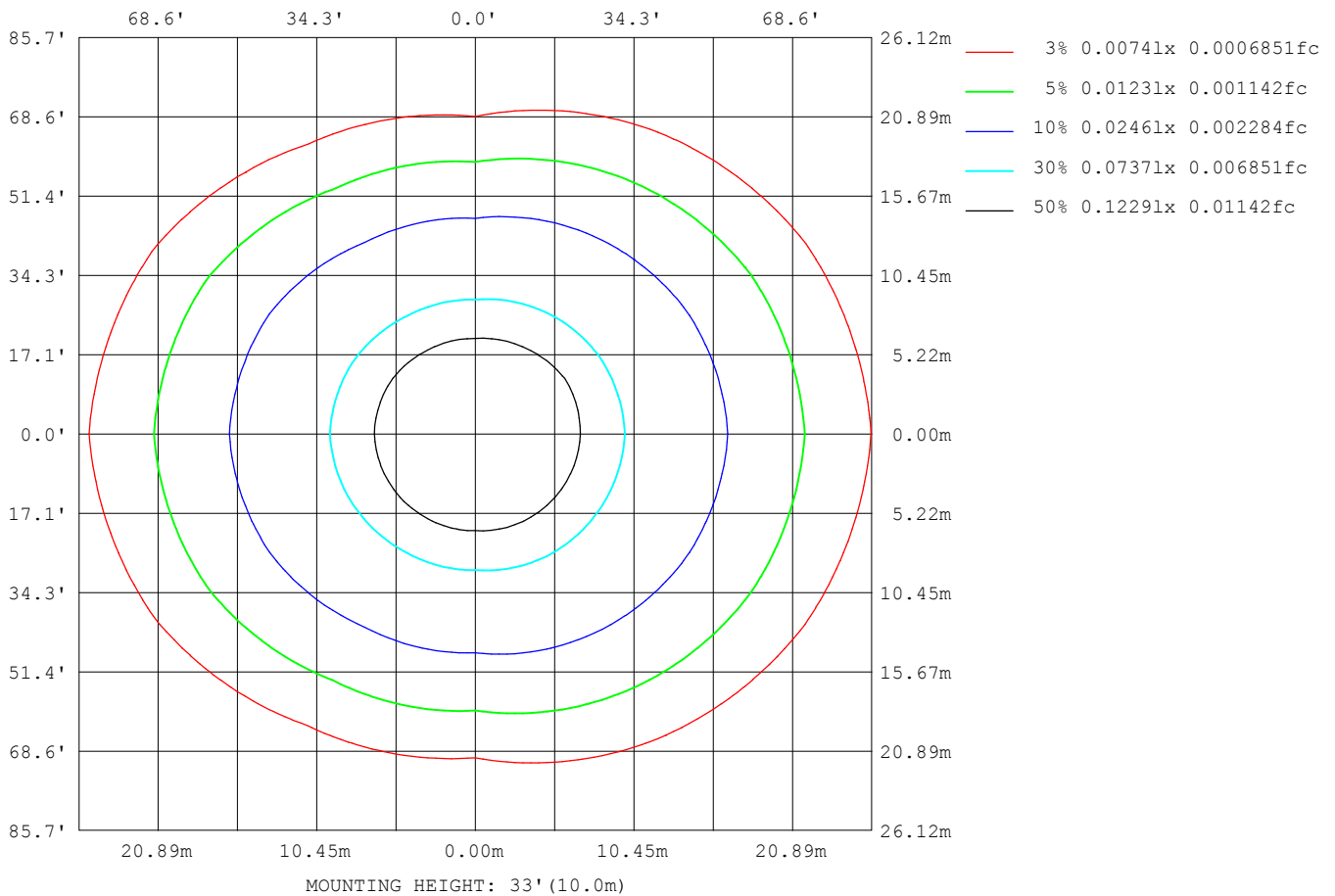
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: WFW  
Test Date: 2023-03-04

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

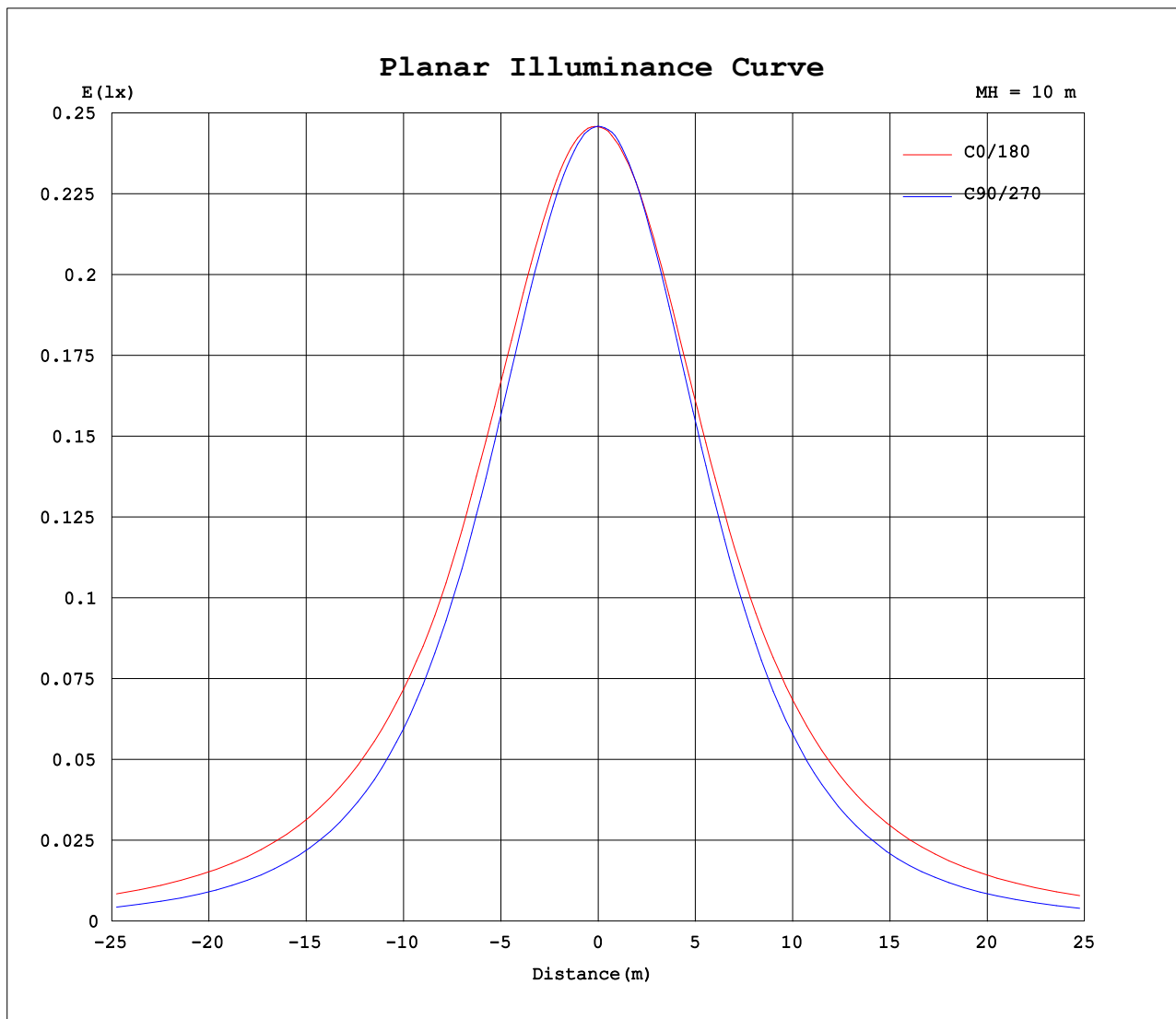
Test:U:24.00V I:0.2374A P:5.697W PF:1.000 Lamp Flux:115.594x1 lm		
NAME: SF21-24V-5050-70-SPI4-RGBW-5000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202303006
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: WFW  
Test Date: 2023-03-04

$\gamma$  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: 2023-03-04

$\gamma$  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:24.00V I:0.2374A P:5.697W PF:1.000 Lamp Flux:115.594x1 lm		
NAME: SF21-24V-5050-70-SPI4-RGBW-5000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202303006
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6							
5	24.6	24.6	24.6	24.5	24.5	24.4	24.4	24.5	24.5	24.6	24.6	24.6							
10	24.6	24.4	24.4	24.2	24.2	24.2	24.2	24.3	24.1	24.3	24.4	24.6							
15	24.3	24.1	24.0	23.7	23.7	23.7	23.9	23.8	23.7	23.7	24.0	24.4							
20	24.0	23.7	23.4	23.1	23.0	23.1	23.3	23.3	23.0	22.9	23.4	24.0							
25	23.5	23.1	22.7	22.2	22.2	22.4	22.7	22.5	22.1	22.0	22.6	23.5							
30	22.9	22.3	21.8	21.1	21.2	21.5	21.9	21.7	21.0	20.8	21.6	22.9							
35	22.0	21.4	20.7	19.8	20.0	20.5	21.1	20.7	19.8	19.5	20.5	22.2							
40	21.0	20.4	19.6	18.4	18.7	19.4	20.2	19.6	18.4	18.0	19.4	21.1							
45	20.3	19.3	18.3	16.9	17.2	18.4	19.4	18.6	16.9	16.4	18.1	19.5							
50	19.6	18.4	16.9	15.2	15.6	17.3	18.5	17.5	15.4	14.6	16.6	18.4							
55	18.7	17.4	15.5	13.4	14.0	16.3	17.6	16.4	13.7	12.8	15.2	17.4							
60	17.8	16.3	14.0	11.5	12.4	15.1	16.6	15.3	12.2	10.9	13.7	16.4							
65	16.8	15.2	12.6	9.60	10.8	14.0	15.7	14.2	10.6	8.97	12.3	15.3							
70	15.9	14.1	11.2	7.67	9.30	13.0	14.8	13.1	9.16	6.98	10.9	14.2							
75	14.9	13.1	9.74	5.72	7.95	12.0	13.9	12.1	7.78	5.04	9.61	13.2							
80	13.9	12.0	8.59	3.84	6.75	11.0	12.9	11.1	6.62	3.24	8.46	12.1							
85	12.8	11.0	7.62	2.30	5.69	9.91	11.9	10.1	5.62	1.88	7.47	11.1							
90	11.6	9.88	6.64	1.43	4.76	8.85	10.8	9.05	4.74	1.23	6.58	10.00							
95	10.4	8.78	5.78	1.39	4.04	7.84	9.67	8.06	4.03	1.15	5.83	8.92							
100	9.31	7.76	4.71	1.39	3.55	6.93	8.65	7.18	3.50	1.10	4.91	7.92							
105	8.26	6.67	3.86	1.38	3.17	6.13	7.68	6.38	3.15	1.06	4.27	6.82							
110	7.05	5.47	3.31	1.28	2.83	5.44	6.79	5.69	2.87	1.03	3.90	5.78							
115	6.13	4.64	3.21	1.20	2.55	4.81	6.02	5.11	2.62	0.98	3.47	5.11							
120	5.43	3.77	2.81	1.16	2.29	4.24	5.35	4.57	2.38	0.97	3.37	4.56							
125	4.90	3.66	1.96	1.07	2.02	3.74	4.70	4.07	2.11	0.92	3.03	4.02							
130	4.11	3.14	1.59	0.86	1.73	3.28	4.13	3.55	1.87	0.89	2.71	3.51							
135	3.53	2.73	1.36	0.67	1.46	2.85	3.59	3.07	1.61	0.86	2.46	3.05							
140	3.16	2.24	1.13	0.60	1.26	2.44	3.08	2.63	1.36	0.83	2.08	2.34							
145	2.74	1.81	0.94	0.51	1.09	2.04	2.60	2.20	1.15	0.76	1.63	1.82							
150	2.28	1.47	0.82	0.51	0.86	1.64	2.10	1.80	0.95	0.61	0.97	1.59							
155	1.91	1.14	0.73	0.51	0.72	1.32	1.63	1.46	0.68	0.50	0.74	1.28							
160	1.55	0.88	0.71	0.51	0.60	1.04	1.27	1.14	0.55	0.45	0.64	1.05							
165	1.18	0.69	0.66	0.52	0.54	0.73	0.84	0.81	0.52	0.45	0.60	0.85							
170	0.69	0.60	0.60	0.53	0.53	0.51	0.53	0.62	0.52	0.45	0.53	0.70							
175	0.58	0.53	0.55	0.53	0.53	0.51	0.53	0.54	0.53	0.48	0.53	0.58							
180	0.54	0.53	0.53	0.53	0.53	0.52	0.53	0.53	0.53	0.51	0.52	0.54							

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-03-04

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	24.58	24.61	24.57	24.59	24.59	24.59	24.58	24.61	24.57	24.59
3.0	24.63	24.61	24.59	24.55	24.59	24.53	24.54	24.59	24.53	24.59
6.0	24.63	24.58	24.59	24.44	24.46	24.42	24.42	24.48	24.41	24.53
9.0	24.59	24.49	24.44	24.25	24.26	24.23	24.28	24.33	24.23	24.34
12.0	24.50	24.35	24.24	24.00	23.99	24.00	24.10	24.12	23.97	24.07
15.0	24.34	24.14	23.99	23.70	23.69	23.73	23.86	23.85	23.65	23.69
18.0	24.15	23.89	23.66	23.35	23.33	23.38	23.56	23.54	23.28	23.29
21.0	23.89	23.57	23.29	22.89	22.88	23.00	23.23	23.15	22.81	22.76
24.0	23.58	23.24	22.84	22.38	22.39	22.56	22.85	22.71	22.29	22.18
27.0	23.26	22.80	22.32	21.77	21.81	22.07	22.42	22.21	21.69	21.52
30.0	22.86	22.34	21.76	21.10	21.19	21.53	21.95	21.69	21.02	20.80
33.0	22.40	21.80	21.13	20.37	20.51	20.92	21.43	21.11	20.31	20.02
36.0	21.80	21.23	20.46	19.58	19.77	20.28	20.88	20.50	19.54	19.19
39.0	21.21	20.62	19.87	18.74	18.95	19.63	20.33	19.85	18.72	18.30
42.0	20.72	19.98	19.10	17.83	18.09	18.97	19.87	19.17	17.85	17.35
45.0	20.32	19.35	18.31	16.87	17.19	18.37	19.38	18.56	16.94	16.38
48.0	19.88	18.77	17.48	15.88	16.26	17.76	18.88	17.95	16.02	15.32
51.0	19.39	18.20	16.63	14.82	15.30	17.13	18.35	17.32	15.04	14.26
54.0	18.87	17.60	15.76	13.72	14.31	16.47	17.79	16.67	14.06	13.18
57.0	18.33	16.97	14.85	12.64	13.32	15.80	17.24	15.99	13.09	12.01
60.0	17.77	16.34	13.96	11.52	12.39	15.14	16.64	15.27	12.17	10.92
63.0	17.19	15.68	13.11	10.38	11.44	14.47	16.11	14.59	11.23	9.707
66.0	16.62	15.02	12.30	9.229	10.52	13.82	15.55	13.96	10.33	8.578
69.0	16.06	14.36	11.44	8.086	9.602	13.20	15.00	13.32	9.437	7.393
72.0	15.47	13.70	10.57	6.901	8.758	12.58	14.44	12.70	8.578	6.209
75.0	14.89	13.07	9.741	5.718	7.947	11.99	13.88	12.10	7.782	5.038
78.0	14.28	12.46	9.020	4.575	7.199	11.37	13.30	11.53	7.062	3.889
81.0	13.67	11.85	8.389	3.481	6.526	10.75	12.72	10.92	6.411	2.932
84.0	13.02	11.22	7.815	2.560	5.889	10.12	12.10	10.29	5.802	2.087
87.0	12.34	10.55	7.212	1.841	5.294	9.480	11.45	9.670	5.255	1.498
90.0	11.62	9.881	6.644	1.433	4.760	8.849	10.77	9.054	4.736	1.226
93.0	10.90	9.189	6.103	1.385	4.296	8.240	10.09	8.430	4.285	1.171
96.0	10.21	8.572	5.639	1.385	3.935	7.651	9.451	7.890	3.912	1.143
99.0	9.533	7.956	4.955	1.385	3.630	7.111	8.842	7.343	3.594	1.108
102.0	8.902	7.388	4.227	1.385	3.395	6.606	8.239	6.858	3.351	1.081
105.0	8.258	6.667	3.860	1.378	3.166	6.128	7.678	6.380	3.151	1.060
108.0	7.662	5.844	3.137	1.302	2.958	5.692	7.118	5.951	2.977	1.032
111.0	6.859	5.269	3.269	1.274	2.778	5.304	6.626	5.569	2.818	1.025
114.0	6.311	4.812	3.242	1.233	2.605	4.923	6.169	5.223	2.680	0.9905
117.0	5.799	4.223	3.103	1.170	2.439	4.584	5.740	4.884	2.507	0.9835
120.0	5.431	3.768	2.806	1.156	2.286	4.245	5.345	4.565	2.382	0.9696
123.0	5.140	3.767	2.176	1.101	2.134	3.926	4.944	4.253	2.216	0.9351
126.0	4.780	3.635	1.857	1.059	1.961	3.642	4.591	3.956	2.084	0.9143
129.0	4.227	3.185	1.642	0.9343	1.788	3.372	4.244	3.644	1.938	0.9073
132.0	3.859	3.019	1.483	0.7754	1.607	3.095	3.912	3.346	1.752	0.8866
135.0	3.527	2.735	1.365	0.6716	1.462	2.846	3.587	3.069	1.613	0.8589
138.0	3.339	2.416	1.219	0.6025	1.344	2.603	3.282	2.792	1.468	0.8519
141.0	3.062	2.125	1.088	0.5678	1.233	2.381	2.977	2.549	1.315	0.8242
144.0	2.827	1.870	0.9839	0.5263	1.116	2.132	2.686	2.293	1.170	0.7897
147.0	2.591	1.675	0.9005	0.5056	1.012	1.869	2.409	2.030	1.039	0.6998
150.0	2.280	1.475	0.8175	0.5056	0.8593	1.641	2.105	1.801	0.9476	0.6098
153.0	2.092	1.280	0.7552	0.5056	0.7760	1.454	1.813	1.607	0.7476	0.5404
156.0	1.843	1.066	0.7272	0.5056	0.6929	1.260	1.571	1.400	0.6507	0.4987
159.0	1.621	0.9208	0.7134	0.5056	0.6235	1.073	1.329	1.213	0.6088	0.4779
162.0	1.393	0.7960	0.6789	0.5194	0.5679	0.8306	1.114	0.9981	0.5194	0.4502
165.0	1.178	0.6855	0.6580	0.5194	0.5403	0.7266	0.8443	0.8108	0.5194	0.4502
168.0	0.8803	0.6232	0.6166	0.5194	0.5333	0.5607	0.6918	0.6653	0.5194	0.4502
171.0	0.6651	0.5677	0.5819	0.5264	0.5264	0.5125	0.5333	0.5889	0.5195	0.4502
174.0	0.5890	0.5333	0.5748	0.5264	0.5264	0.5125	0.5333	0.5403	0.5264	0.4710
177.0	0.5611	0.5333	0.5404	0.5264	0.5264	0.5125	0.5333	0.5264	0.5264	0.4986
180.0	0.5402	0.5333	0.5333	0.5264	0.5264	0.5194	0.5333	0.5264	0.5264	0.5125
G/C	300.0	330.0								
0.0	24.59	24.59								
3.0	24.60	24.64								
6.0	24.56	24.65								
9.0	24.42	24.65								
12.0	24.22	24.52								
15.0	23.96	24.37								
18.0	23.60	24.15								
21.0	23.21	23.87								
24.0	22.76	23.65								
27.0	22.23	23.30								
30.0	21.63	22.95								

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: WFW  
 Test Date: 2023-03-04

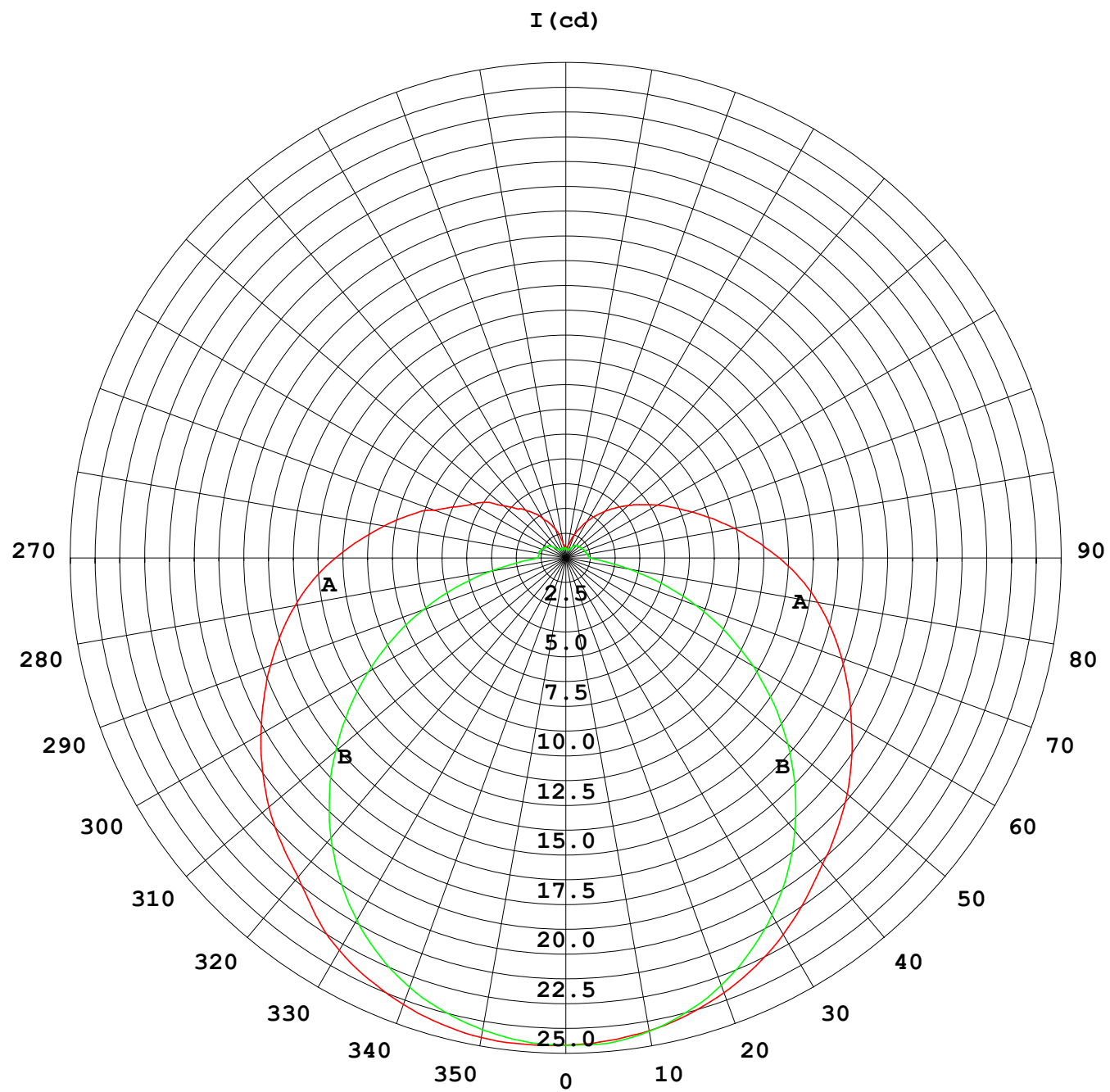
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 10.800m [K=1.0000]  
 Remarks:

## Photometric Data Table [cd]

33.0	21.00	22.49
36.0	20.30	22.02
39.0	19.64	21.38
42.0	18.86	20.59
45.0	18.05	19.46
48.0	17.21	18.79
51.0	16.34	18.23
54.0	15.46	17.63
57.0	14.56	16.99
60.0	13.66	16.37
63.0	12.81	15.72
66.0	11.99	15.07
69.0	11.19	14.43
72.0	10.37	13.81
75.0	9.611	13.17
78.0	8.904	12.54
81.0	8.253	11.93
84.0	7.658	11.31
87.0	7.125	10.68
90.0	6.578	9.996
93.0	6.121	9.338
96.0	5.691	8.722
99.0	5.089	8.112
102.0	4.604	7.516
105.0	4.272	6.817
108.0	4.030	6.179
111.0	3.871	5.653
114.0	3.593	5.244
117.0	3.477	4.884
120.0	3.365	4.558
123.0	3.213	4.253
126.0	2.957	3.893
129.0	2.770	3.568
132.0	2.597	3.367
135.0	2.465	3.048
138.0	2.243	2.723
141.0	1.994	2.252
144.0	1.724	1.767
147.0	1.184	1.821
150.0	0.9690	1.594
153.0	0.8099	1.289
156.0	0.7201	1.254
159.0	0.6509	1.088
162.0	0.6095	0.9493
165.0	0.6023	0.8453
168.0	0.5332	0.7412
171.0	0.5264	0.6789
174.0	0.5264	0.6096
177.0	0.5264	0.5680
180.0	0.5194	0.5402

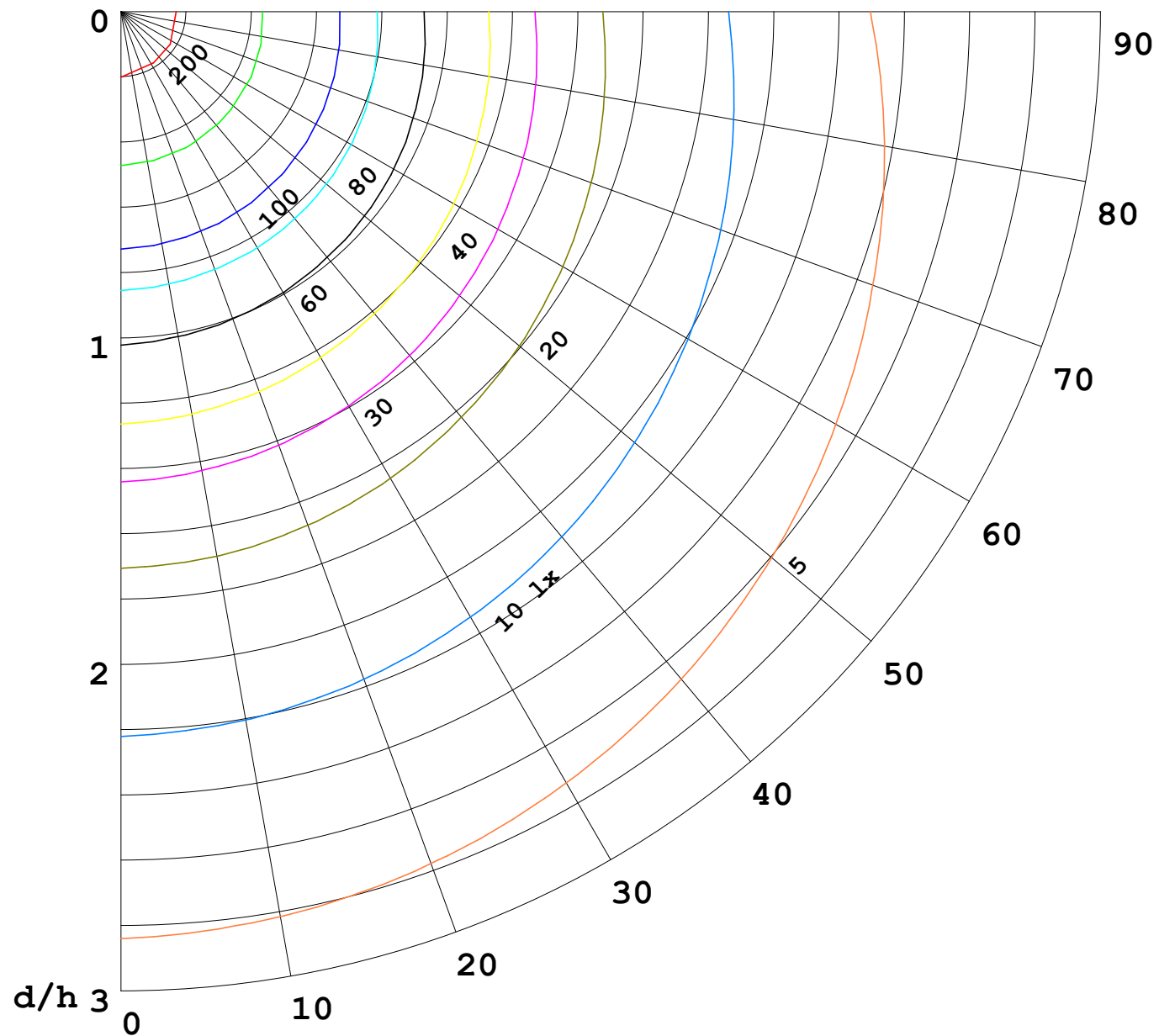
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:WFW  
Test Date:2023-03-04

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

