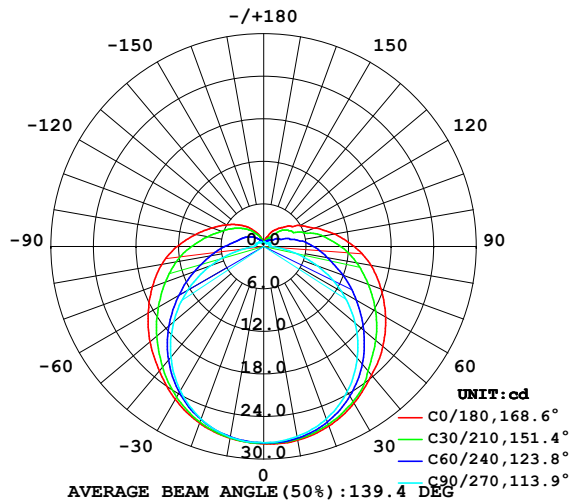


LUMINAIRE PHOTOMETRIC TEST REPORT

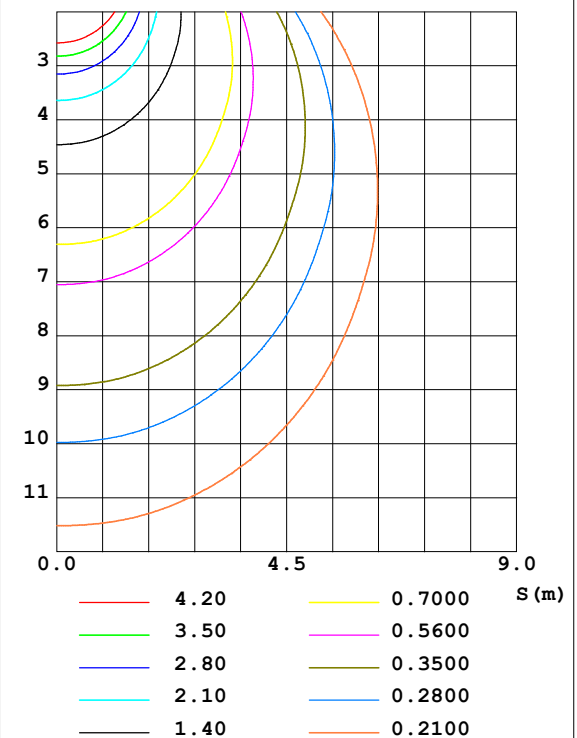
Test:U:24.00V I:0.2393A P:5.743W PF:1.000 Lamp Flux:128.599x1 lm		
NAME: SF21-24V-5050-70-SPI4-RGBW-4000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202303005
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 22.39 lm/W			
MODEL	5050	I _{max} (cd)	27.88	S/MH (C0/180)	1.37
NOMINAL POWER (W)	18	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	128.60	η UP, DN (C0-180)	9.1, 40.7
NOMINAL FLUX (lm)	128.599	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	9.7, 40.6
LAMPS INSIDE	1	η up (%)	18.8	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	24.0	η down (%)	81.2	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



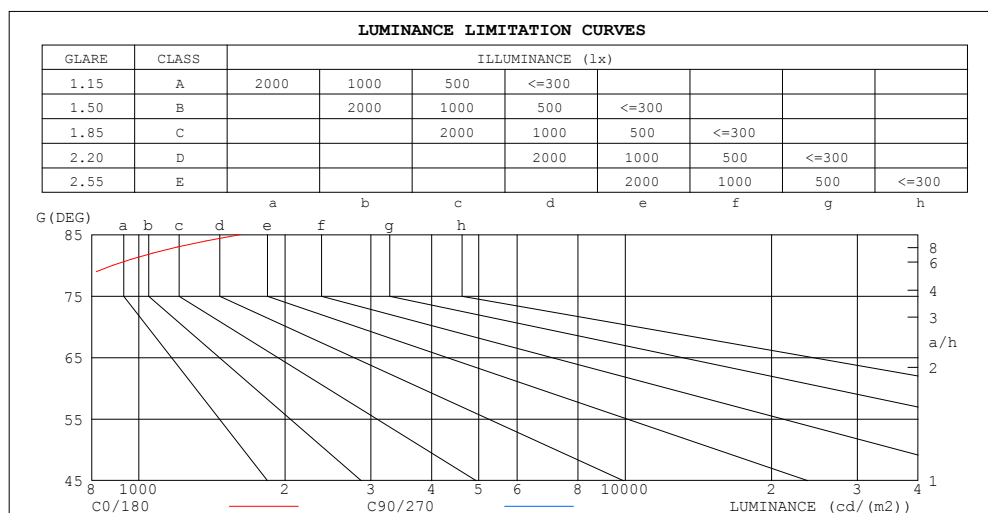
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: WFW
Test Date: 2023-03-04

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	27.76	27.53	27.21	27.14	27.46	27.33	27.30	27.45	0- 10	2.631	2.631	2.05,2.05
20	26.94	26.51	25.87	25.93	26.51	26.16	25.89	26.49	10- 20	7.609	10.24	7.96,7.96
30	25.52	24.80	23.59	23.96	24.93	24.17	23.51	24.73	20- 30	11.73	21.97	17.1,17.1
40	23.67	22.29	20.56	21.36	22.91	21.55	20.37	22.36	30- 40	14.54	36.51	28.4,28.4
50	21.96	19.53	16.83	18.42	20.94	18.60	16.60	19.64	40- 50	15.83	52.35	40.7,40.7
60	19.87	16.66	12.66	15.33	18.82	15.50	12.36	16.78	50- 60	15.71	68.06	52.9,52.9
70	17.64	13.83	8.120	12.41	16.72	12.60	7.975	13.98	60- 70	14.38	82.44	64.1,64.1
80	15.36	11.24	3.626	9.856	14.60	10.07	3.722	11.38	70- 80	12.23	94.67	73.6,73.6
90	12.78	8.952	0.9417	7.601	12.22	7.833	1.365	9.107	80- 90	9.793	104.5	81.2,81.2
100	10.18	6.729	0.8450	5.835	9.791	6.054	1.198	6.960	90-100	7.599	112.1	87.1,87.1
110	7.595	4.600	0.8657	4.640	7.721	4.824	1.115	5.188	100-110	5.661	117.7	91.5,91.5
120	5.951	3.366	0.9765	3.726	6.121	3.889	1.032	4.028	110-120	4.088	121.8	94.7,94.7
130	4.517	2.562	0.8167	2.891	4.805	3.065	0.9213	3.134	120-130	2.929	124.7	97,97
140	3.360	1.745	0.5887	2.161	3.600	2.292	0.8172	1.985	130-140	1.908	126.6	98.5,98.5
150	2.480	1.164	0.5887	1.486	2.471	1.565	0.6234	1.330	140-150	1.096	127.7	99.3,99.3
160	1.434	0.8552	0.5956	0.9798	1.592	1.039	0.5402	0.9422	150-160	0.5597	128.3	99.8,99.8
170	0.6999	0.6441	0.5956	0.6198	0.6921	0.6824	0.5402	0.6995	160-170	0.2340	128.5	100,100
180	0.6372	0.6233	0.5956	0.6025	0.6372	0.6164	0.5402	0.5991	170-180	0.0597	128.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1620	212
80	884	209
75	638	225
70	516	237
65	444	247
60	397	253
55	365	258
50	342	262
45	324	266

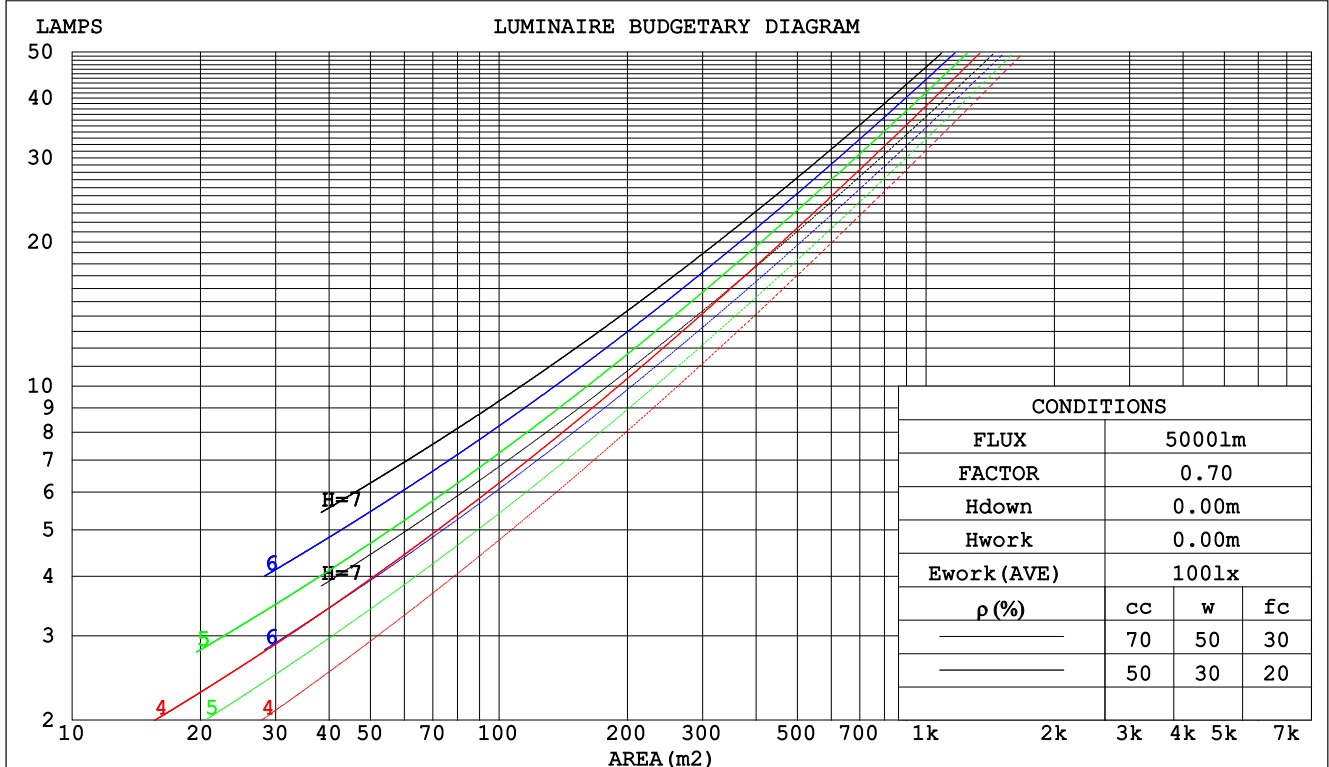
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2023-03-04

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.2393A P:5.743W PF:1.000 Lamp Flux:128.599x1 lm		
NAME: SF21-24V-5050-70-SPI4-RGBW-4000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202303005
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.15	1.15	1.15	1.10	1.10	1.10	1.01	1.01	1.01	.92	.92	.92	.85	.85	.85	.81
1.0	.95	.90	.85	.91	.86	.82	.83	.80	.76	.76	.73	.70	.70	.67	.65	.61
2.0	.82	.74	.67	.78	.71	.65	.71	.65	.60	.65	.60	.56	.59	.56	.52	.49
3.0	.71	.62	.55	.68	.59	.53	.62	.55	.49	.57	.51	.46	.52	.47	.43	.40
4.0	.62	.53	.45	.59	.51	.44	.55	.47	.41	.50	.44	.39	.46	.41	.36	.33
5.0	.55	.46	.39	.53	.44	.38	.49	.41	.35	.45	.38	.33	.41	.36	.31	.29
6.0	.49	.40	.33	.47	.39	.32	.44	.36	.31	.40	.34	.29	.37	.31	.27	.25
7.0	.45	.35	.29	.43	.34	.28	.40	.32	.27	.36	.30	.25	.34	.28	.24	.22
8.0	.40	.32	.26	.39	.31	.25	.36	.29	.24	.33	.27	.23	.31	.25	.21	.19
9.0	.37	.29	.23	.36	.28	.22	.33	.26	.21	.31	.25	.20	.28	.23	.19	.17
10.0	.34	.26	.21	.33	.25	.20	.31	.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:2023-03-04

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:0.2393A P:5.743W PF:1.000 Lamp Flux:128.599x1 lm		
NAME: SF21-24V-5050-70-SPI4-RGBW-4000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202303005
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	.386	.220	.070	.373	.213	.068	.349	.200	.064	.327	.189	.060	.306	.178	.057		
2.0	.334	.183	.056	.322	.177	.055	.300	.167	.052	.280	.157	.049	.261	.148	.047		
3.0	.296	.158	.047	.286	.153	.046	.266	.144	.044	.247	.136	.042	.230	.127	.039		
4.0	.266	.138	.041	.257	.134	.040	.239	.127	.038	.222	.119	.036	.207	.112	.034		
5.0	.242	.123	.036	.233	.120	.035	.217	.113	.033	.202	.106	.032	.188	.100	.030		
6.0	.222	.111	.032	.214	.108	.031	.199	.102	.030	.185	.096	.028	.172	.091	.027		
7.0	.204	.101	.029	.197	.098	.028	.184	.093	.027	.171	.088	.025	.159	.083	.024		
8.0	.190	.093	.026	.183	.090	.025	.170	.085	.024	.159	.080	.023	.148	.076	.022		
9.0	.177	.085	.024	.171	.083	.023	.159	.079	.022	.148	.074	.021	.138	.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	.333	.333	.333	.285	.285	.285	.195	.195	.195	.112	.112	.112	.036	.036	.036	
1.0	.330	.300	.272	.282	.257	.235	.193	.177	.162	.111	.102	.094	.036	.033	.030	
2.0	.323	.277	.238	.277	.238	.206	.190	.165	.144	.109	.096	.084	.035	.031	.027	
3.0	.315	.260	.217	.270	.225	.188	.186	.156	.132	.107	.091	.078	.034	.030	.025	
4.0	.308	.248	.202	.264	.214	.176	.182	.149	.124	.105	.087	.073	.034	.028	.024	
5.0	.300	.238	.193	.258	.206	.167	.177	.144	.118	.103	.085	.070	.033	.028	.023	
6.0	.293	.230	.185	.251	.199	.162	.173	.140	.114	.101	.082	.068	.032	.027	.022	
7.0	.285	.224	.180	.246	.194	.157	.170	.136	.111	.099	.080	.066	.032	.026	.022	
8.0	.279	.218	.176	.240	.189	.154	.166	.133	.109	.097	.078	.065	.031	.026	.022	
9.0	.272	.213	.173	.235	.185	.151	.163	.130	.107	.095	.077	.064	.031	.025	.021	
10.0	.267	.209	.171	.230	.182	.149	.159	.128	.106	.093	.076	.063	.030	.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:0.2393A P:5.743W PF:1.000 Lamp Flux:128.599x1 lm										
NAME: SF21-24V-5050-70-SPI4-RGBW-4000K-G					TYPE: 硅胶			WEIGHT:		
DIM.: 28MM*11.5MM					SPEC.:			SERIAL No.:202303005		
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	8.6	10.0	9.1	10.5	11.0	6.9	8.2	7.4	8.8	9.3
3H	11.3	12.5	11.8	13.1	13.7	8.6	9.8	9.1	10.4	11.0
4H	12.8	14.0	13.4	14.6	15.2	9.3	10.5	9.9	11.1	11.7
6H	14.5	15.6	15.1	16.2	16.9	9.9	11.0	10.4	11.6	12.2
8H	15.4	16.5	16.0	17.1	17.8	10.1	11.2	10.7	11.7	12.4
12H	16.5	17.5	17.1	18.1	18.8	10.2	11.3	10.8	11.9	12.6
4H 2H	9.2	10.4	9.8	10.9	11.6	7.9	9.1	8.5	9.7	10.4
3H	12.1	13.2	12.7	13.8	14.5	9.9	11.0	10.5	11.6	12.3
4H	13.8	14.8	14.5	15.4	16.1	10.9	11.8	11.5	12.5	13.2
6H	15.7	16.6	16.4	17.2	18.0	11.7	12.5	12.3	13.2	13.9
8H	16.8	17.6	17.4	18.2	19.0	12.0	12.8	12.7	13.5	14.2
12H	18.0	18.7	18.7	19.4	20.2	12.3	13.0	12.9	13.7	14.5
8H 4H	14.2	15.0	14.9	15.7	16.4	11.9	12.7	12.5	13.3	14.1
6H	16.4	17.1	17.1	17.8	18.6	13.1	13.8	13.8	14.5	15.3
8H	17.7	18.3	18.4	19.0	19.8	13.7	14.3	14.4	15.0	15.8
12H	19.1	19.7	19.8	20.4	21.2	14.2	14.7	14.9	15.5	16.3
12H 4H	14.2	15.0	14.9	15.7	16.5	12.2	12.9	12.9	13.6	14.4
6H	16.5	17.1	17.2	17.9	18.7	13.6	14.2	14.3	15.0	15.8
8H	17.9	18.4	18.6	19.2	20.0	14.4	14.9	15.1	15.7	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					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 128.6 lm Total Lamp Luminous Flux. (8log(F/F0) = -7.1)

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:0.2393A P:5.743W PF:1.000 Lamp Flux:128.599x1 lm		
NAME: SF21-24V-5050-70-SPI4-RGBW-4000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202303005
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

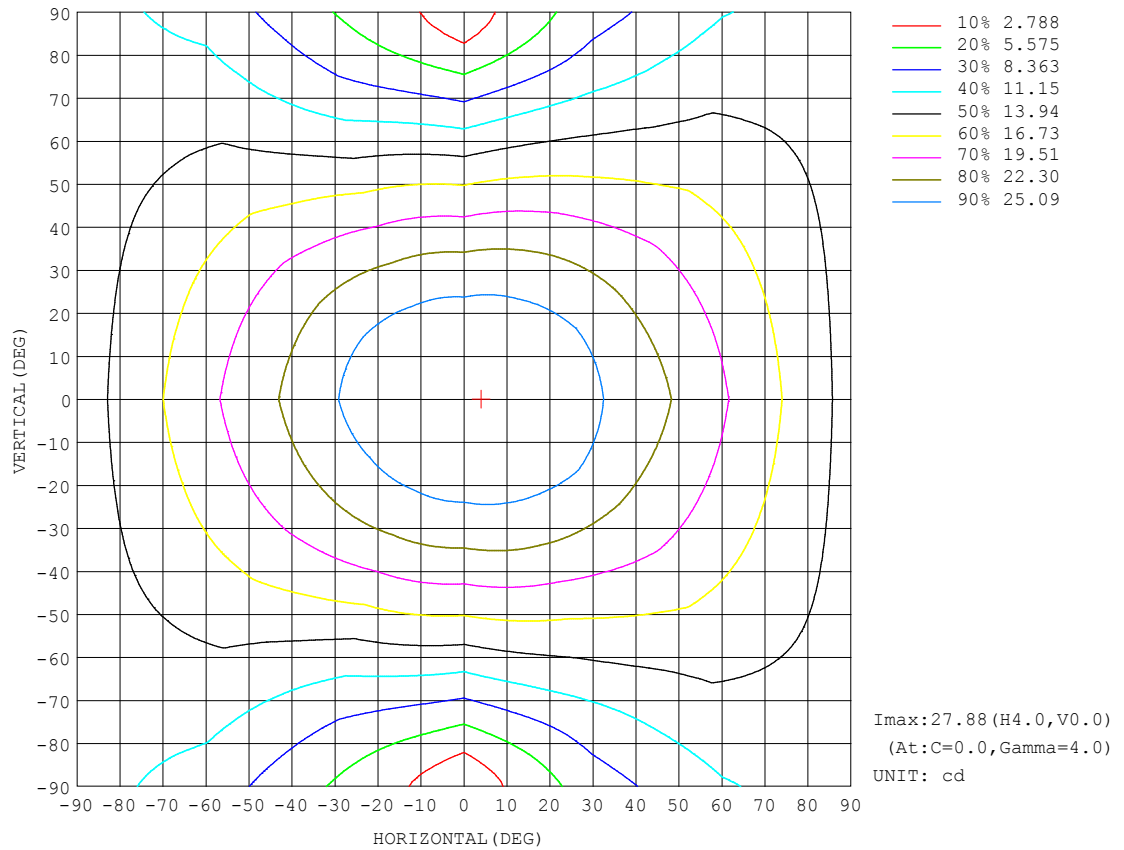
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	48	35	28	46	35	28	45	34	27	20
0.80	57	44	36	55	43	35	52	41	34	26
1.00	64	51	43	62	50	42	59	51	41	32
1.25	71	59	50	69	57	49	65	55	48	38
1.50	76	64	55	74	62	54	69	59	52	42
2.00	84	73	64	81	70	63	75	66	60	48
2.50	88	78	70	85	75	68	78	71	65	52
3.00	92	82	75	88	80	73	81	75	69	55
4.00	97	89	82	93	85	79	85	80	75	60
5.00	100	93	87	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

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:24.00V I:0.2393A P:5.743W PF:1.000 Lamp Flux:128.599x1 lm		
NAME: SF21-24V-5050-70-SPI4-RGBW-4000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202303005
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

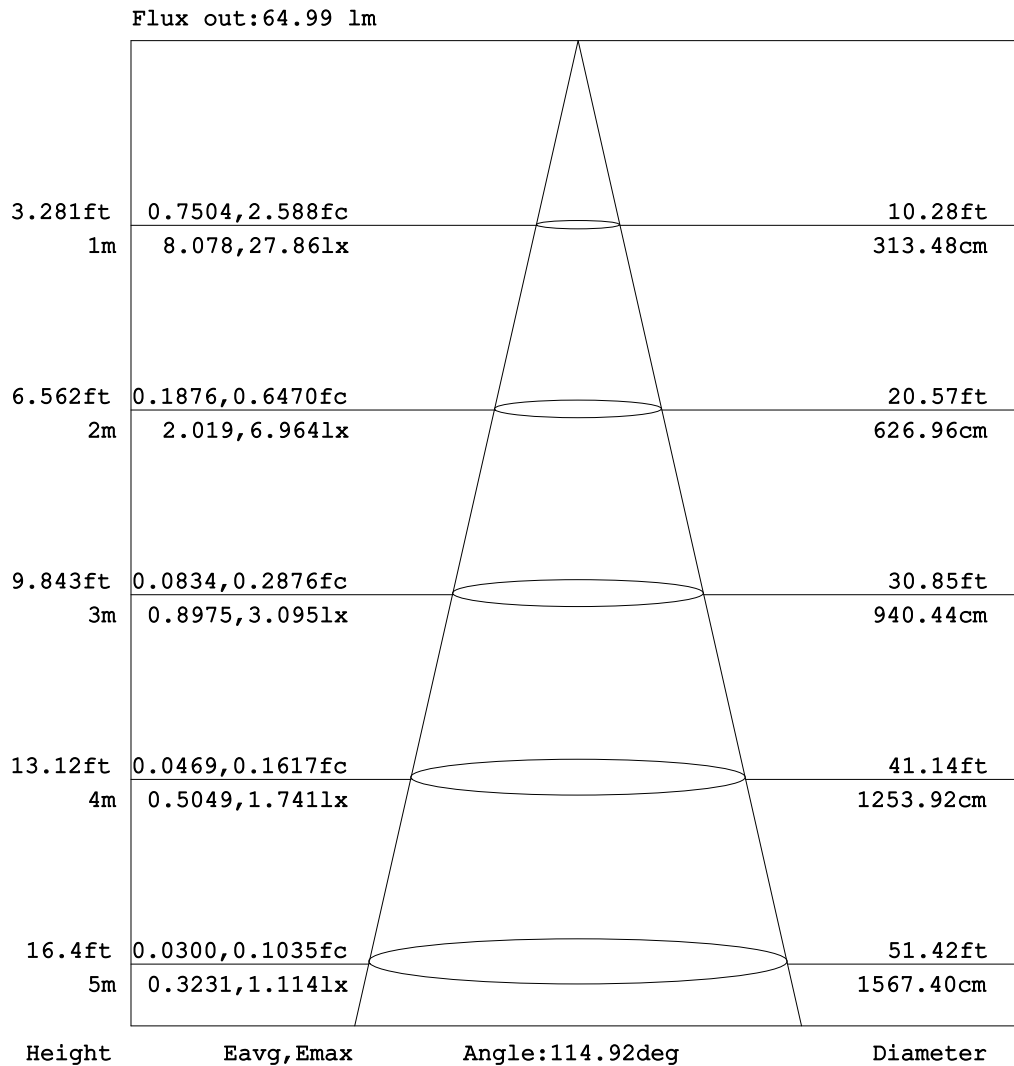


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2023-03-04

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:

AAI Figure

Test:U:24.00V I:0.2393A P:5.743W PF:1.000 Lamp Flux:128.599x1 lm		
NAME: SF21-24V-5050-70-SPI4-RGBW-4000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202303005
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:



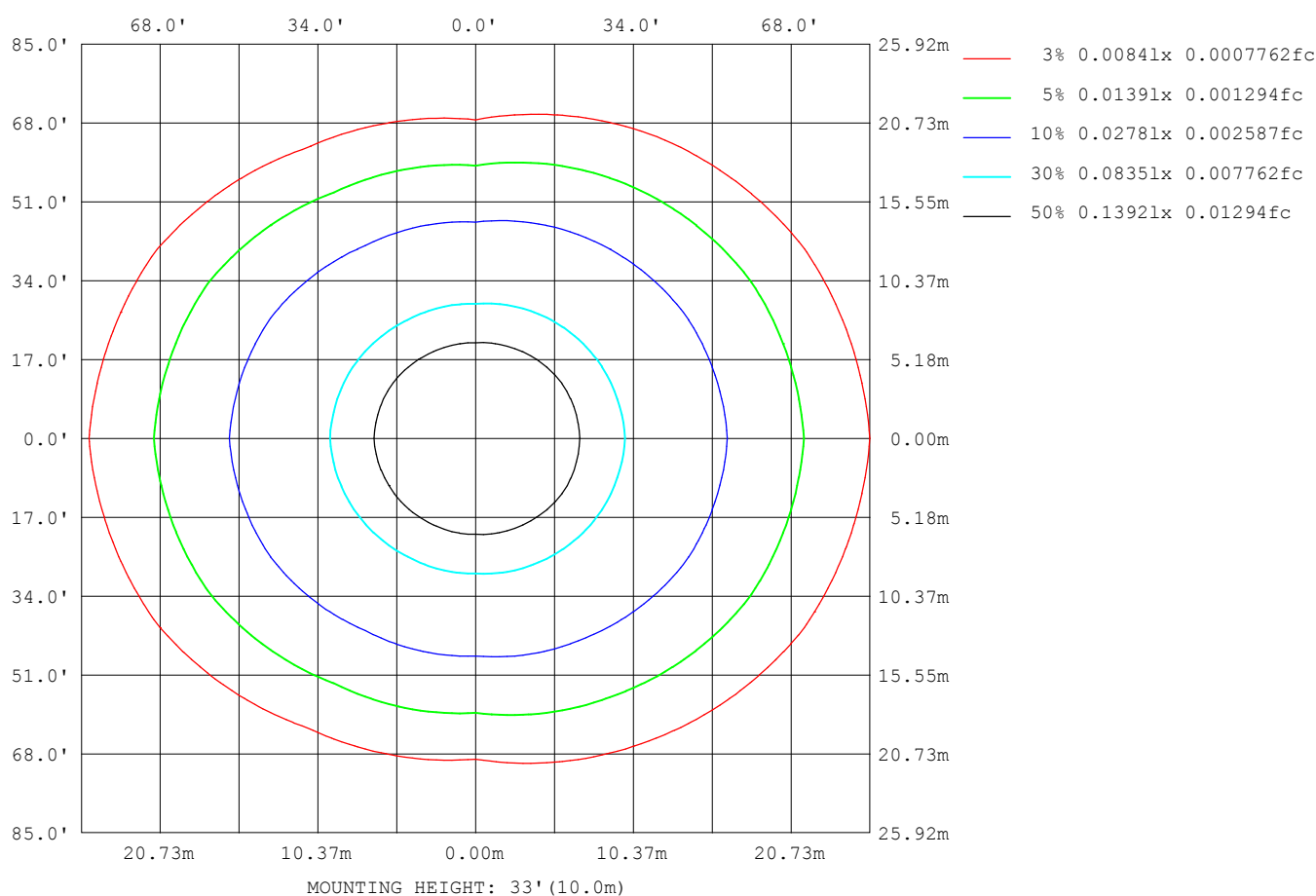
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

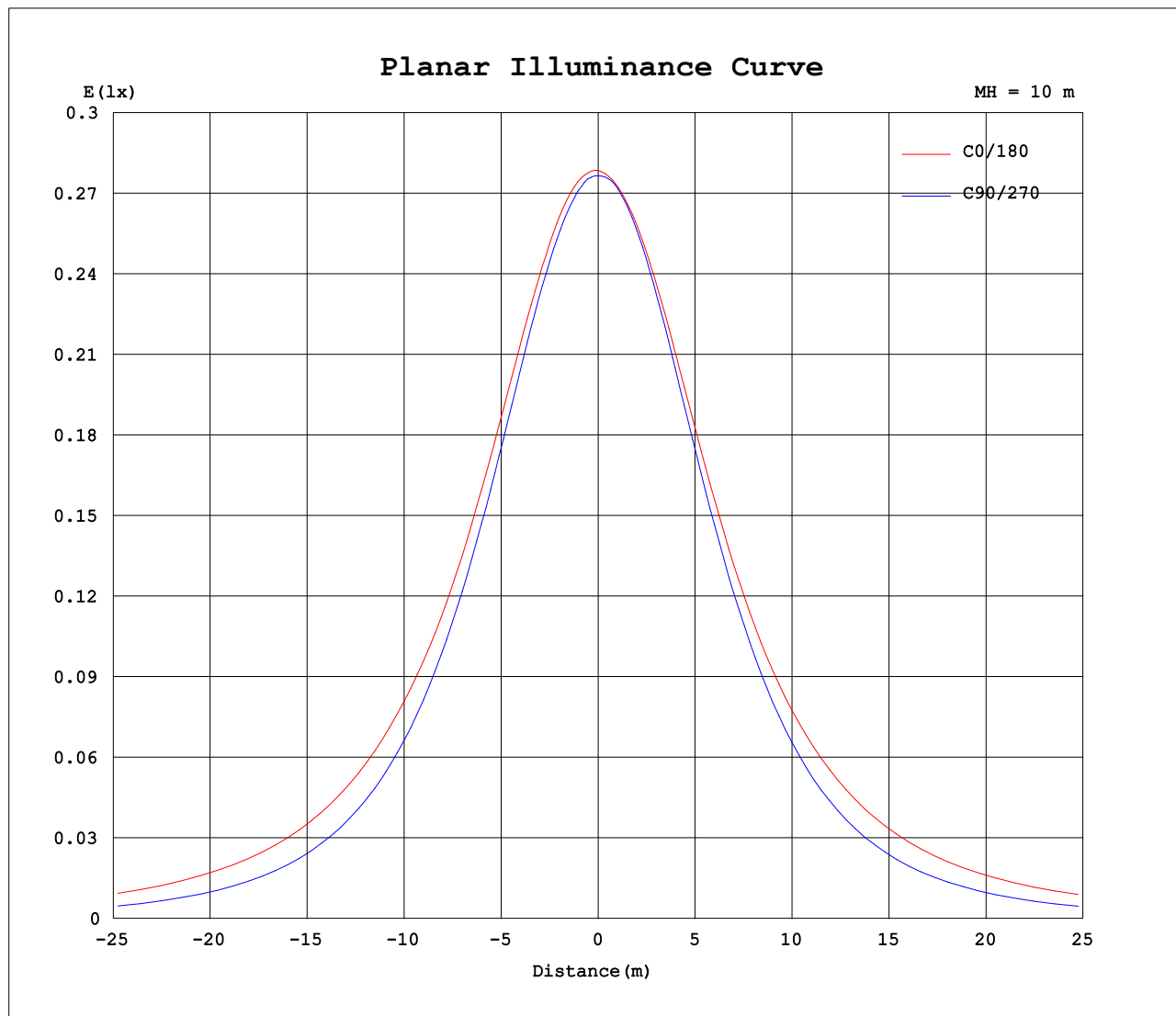
Test:U:24.00V I:0.2393A P:5.743W PF:1.000 Lamp Flux:128.599x1 lm		
NAME: SF21-24V-5050-70-SPI4-RGBW-4000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202303005
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:



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

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:

Planar Illuminance Curve



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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.2393A P:5.743W PF:1.000 Lamp Flux:128.599x1 lm		
NAME: SF21-24V-5050-70-SPI4-RGBW-4000K-G	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202303005
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	27.8	27.8	27.7	27.7	27.6	27.6	27.8	27.8	27.7	27.7	27.6	27.6						
5	27.9	27.8	27.7	27.6	27.5	27.4	27.7	27.7	27.6	27.6	27.6	27.6						
10	27.8	27.6	27.5	27.2	27.2	27.1	27.5	27.4	27.2	27.3	27.3	27.6						
15	27.4	27.2	27.0	26.7	26.6	26.7	27.1	27.0	26.7	26.7	26.9	27.2						
20	26.9	26.7	26.3	25.9	25.8	26.0	26.5	26.3	26.0	25.9	26.2	26.7						
25	26.3	26.0	25.4	24.8	24.9	25.2	25.8	25.5	25.0	24.8	25.4	26.0						
30	25.5	25.3	24.3	23.6	23.7	24.2	24.9	24.5	23.8	23.5	24.3	25.2						
35	24.6	24.3	23.1	22.2	22.4	23.1	23.9	23.5	22.4	22.0	23.1	24.2						
40	23.7	22.9	21.7	20.6	20.9	21.9	22.9	22.2	20.9	20.4	21.7	23.0						
45	22.9	21.7	20.1	18.8	19.2	20.6	21.9	20.9	19.2	18.6	20.2	21.7						
50	22.0	20.6	18.4	16.8	17.4	19.4	20.9	19.7	17.5	16.6	18.7	20.6						
55	20.9	19.5	16.7	14.8	15.5	18.2	19.9	18.5	15.6	14.5	17.0	19.5						
60	19.9	18.2	15.1	12.7	13.7	17.0	18.8	17.2	13.8	12.4	15.3	18.2						
65	18.8	17.0	13.5	10.4	12.0	15.7	17.8	15.9	12.1	10.2	13.7	17.0						
70	17.6	15.7	11.9	8.12	10.3	14.5	16.7	14.8	10.4	7.97	12.2	15.8						
75	16.5	14.5	10.4	5.82	8.77	13.4	15.7	13.6	8.91	5.77	10.7	14.6						
80	15.4	13.3	9.16	3.63	7.44	12.3	14.6	12.5	7.61	3.72	9.35	13.4						
85	14.1	12.1	8.05	1.85	6.29	11.1	13.4	11.4	6.49	2.11	8.24	12.2						
90	12.8	10.9	7.03	0.94	5.27	9.93	12.2	10.2	5.50	1.37	7.22	11.0						
95	11.4	9.64	6.15	0.87	4.47	8.82	11.0	9.05	4.69	1.27	6.34	9.77						
100	10.2	8.52	4.94	0.84	3.87	7.80	9.79	8.03	4.08	1.20	5.25	8.67						
105	8.87	7.25	3.85	0.84	3.48	6.89	8.72	7.12	3.66	1.15	4.53	7.45						
110	7.59	5.87	3.33	0.87	3.15	6.13	7.72	6.33	3.32	1.12	4.06	6.32						
115	6.69	4.63	2.51	0.96	2.83	5.48	6.87	5.67	3.01	1.07	3.64	5.56						
120	5.95	4.49	2.24	0.98	2.54	4.91	6.12	5.08	2.70	1.03	3.26	4.79						
125	4.90	4.06	1.68	0.96	2.26	4.36	5.46	4.52	2.42	0.98	2.92	4.31						
130	4.52	3.59	1.54	0.82	1.97	3.82	4.80	3.99	2.14	0.92	2.51	3.76						
135	3.82	2.96	1.33	0.62	1.71	3.32	4.18	3.49	1.85	0.87	1.93	3.19						
140	3.36	2.31	1.18	0.59	1.48	2.85	3.60	3.01	1.58	0.82	1.45	2.52						
145	2.91	1.70	1.05	0.59	1.28	2.38	3.05	2.53	1.29	0.72	1.17	2.00						
150	2.48	1.41	0.92	0.59	1.03	1.95	2.47	2.05	1.08	0.62	0.98	1.68						
155	1.89	1.15	0.83	0.59	0.86	1.57	1.99	1.70	0.84	0.58	0.82	1.39						
160	1.43	0.94	0.77	0.60	0.73	1.23	1.59	1.38	0.70	0.54	0.73	1.15						
165	1.16	0.75	0.71	0.60	0.64	0.86	1.15	1.00	0.62	0.54	0.65	0.91						
170	0.70	0.64	0.65	0.60	0.62	0.62	0.69	0.77	0.60	0.54	0.62	0.78						
175	0.64	0.63	0.63	0.60	0.62	0.60	0.63	0.64	0.60	0.54	0.59	0.67						
180	0.64	0.63	0.62	0.60	0.60	0.60	0.64	0.62	0.61	0.54	0.58	0.62						

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	27.85	27.78	27.70	27.65	27.65	27.58	27.85	27.78	27.70	27.65
3.0	27.88	27.77	27.70	27.65	27.61	27.51	27.76	27.77	27.65	27.65
6.0	27.88	27.74	27.69	27.52	27.48	27.39	27.65	27.64	27.52	27.59
9.0	27.81	27.65	27.53	27.29	27.25	27.19	27.51	27.49	27.33	27.39
12.0	27.64	27.47	27.31	27.00	26.96	26.98	27.32	27.27	27.06	27.09
15.0	27.42	27.24	27.01	26.66	26.61	26.68	27.07	26.99	26.74	26.73
18.0	27.15	26.91	26.62	26.22	26.17	26.30	26.75	26.64	26.31	26.24
21.0	26.83	26.57	26.17	25.67	25.67	25.87	26.37	26.19	25.79	25.68
24.0	26.43	26.19	25.63	25.08	25.09	25.37	25.94	25.70	25.21	25.03
27.0	25.99	25.70	25.03	24.37	24.43	24.81	25.46	25.15	24.54	24.32
30.0	25.52	25.26	24.34	23.59	23.70	24.22	24.93	24.55	23.79	23.51
33.0	24.98	24.72	23.59	22.78	22.93	23.55	24.36	23.88	23.00	22.66
36.0	24.42	24.06	22.84	21.86	22.08	22.87	23.74	23.20	22.14	21.72
39.0	23.85	23.17	21.97	20.89	21.18	22.11	23.11	22.46	21.22	20.70
42.0	23.37	22.42	21.04	19.85	20.21	21.36	22.51	21.67	20.25	19.65
45.0	22.89	21.72	20.07	18.78	19.20	20.63	21.92	20.93	19.24	18.57
48.0	22.35	21.08	19.10	17.62	18.13	19.92	21.35	20.19	18.20	17.35
51.0	21.76	20.42	18.11	16.43	17.04	19.19	20.73	19.46	17.12	16.19
54.0	21.15	19.70	17.09	15.21	15.93	18.46	20.10	18.73	16.00	14.93
57.0	20.50	18.98	16.06	13.94	14.81	17.71	19.46	17.91	14.89	13.65
60.0	19.87	18.24	15.09	12.66	13.72	16.95	18.82	17.18	13.82	12.36
63.0	19.19	17.47	14.13	11.30	12.66	16.20	18.18	16.40	12.78	11.08
66.0	18.53	16.72	13.20	9.976	11.62	15.48	17.55	15.72	11.74	9.755
69.0	17.86	15.99	12.26	8.584	10.61	14.76	16.92	15.00	10.77	8.412
72.0	17.19	15.23	11.29	7.185	9.652	14.06	16.31	14.31	9.790	7.083
75.0	16.51	14.52	10.39	5.821	8.771	13.40	15.68	13.63	8.911	5.766
78.0	15.83	13.81	9.609	4.498	7.947	12.72	15.04	12.95	8.107	4.491
81.0	15.12	13.09	8.943	3.231	7.198	12.05	14.38	12.31	7.373	3.355
84.0	14.37	12.38	8.265	2.144	6.506	11.35	13.68	11.60	6.702	2.406
87.0	13.58	11.63	7.635	1.321	5.862	10.64	12.95	10.90	6.079	1.678
90.0	12.78	10.87	7.032	0.9417	5.273	9.930	12.22	10.16	5.504	1.365
93.0	11.97	10.12	6.484	0.8726	4.767	9.230	11.46	9.483	4.999	1.295
96.0	11.19	9.396	6.006	0.8657	4.337	8.600	10.73	8.832	4.556	1.254
99.0	10.43	8.732	5.178	0.8450	3.977	7.984	10.01	8.244	4.182	1.212
102.0	9.609	8.067	4.635	0.8450	3.706	7.416	9.341	7.661	3.898	1.184
105.0	8.868	7.248	3.846	0.8450	3.485	6.890	8.717	7.121	3.656	1.150
108.0	8.230	6.149	3.768	0.8588	3.284	6.405	8.108	6.630	3.469	1.122
111.0	7.406	5.726	2.907	0.8658	3.083	5.990	7.547	6.193	3.261	1.108
114.0	6.851	4.935	2.522	0.9284	2.896	5.602	7.028	5.791	3.074	1.087
117.0	6.374	4.591	2.397	0.9765	2.709	5.249	6.564	5.438	2.887	1.053
120.0	5.951	4.494	2.238	0.9765	2.543	4.910	6.121	5.078	2.701	1.032
123.0	5.309	4.190	2.031	0.9765	2.376	4.577	5.699	4.745	2.534	0.9974
126.0	4.855	3.961	1.573	0.9416	2.210	4.251	5.311	4.413	2.375	0.9629
129.0	4.614	3.663	1.551	0.8378	2.037	3.919	4.930	4.087	2.195	0.9351
132.0	4.213	3.427	1.462	0.7270	1.850	3.621	4.556	3.782	2.029	0.9005
135.0	3.817	2.956	1.330	0.6233	1.711	3.317	4.182	3.491	1.849	0.8728
138.0	3.575	2.465	1.233	0.6025	1.573	3.040	3.829	3.187	1.696	0.8313
141.0	3.263	2.215	1.157	0.5887	1.448	2.756	3.496	2.923	1.502	0.7967
144.0	2.993	1.889	1.074	0.5887	1.337	2.479	3.157	2.639	1.343	0.7481
147.0	2.709	1.475	0.9907	0.5887	1.206	2.188	2.735	2.342	1.198	0.6650
150.0	2.480	1.406	0.9214	0.5887	1.026	1.945	2.471	2.051	1.080	0.6234
153.0	2.196	1.239	0.8592	0.5887	0.9146	1.710	2.153	1.850	0.9203	0.5956
156.0	1.747	1.101	0.8243	0.5887	0.8314	1.502	1.924	1.635	0.8237	0.5612
159.0	1.462	0.9762	0.7828	0.6025	0.7483	1.295	1.655	1.434	0.7132	0.5402
162.0	1.358	0.8448	0.7481	0.5956	0.6859	1.045	1.412	1.247	0.6302	0.5402
165.0	1.165	0.7480	0.7065	0.5956	0.6443	0.8584	1.148	0.9978	0.6163	0.5402
168.0	0.9772	0.7267	0.6857	0.5956	0.6234	0.7199	0.8791	0.8522	0.5956	0.5402
171.0	0.6995	0.6303	0.6442	0.5956	0.6164	0.6024	0.6508	0.7207	0.5956	0.5402
174.0	0.6581	0.6303	0.6303	0.5956	0.6164	0.6025	0.6303	0.6512	0.5957	0.5402
177.0	0.6372	0.6303	0.6303	0.5956	0.6164	0.6025	0.6440	0.6303	0.6025	0.5402
180.0	0.6372	0.6303	0.6164	0.5956	0.6025	0.6025	0.6372	0.6233	0.6095	0.5402
G/C	300.0	330.0								
0.0	27.65	27.58								
3.0	27.64	27.64								
6.0	27.56	27.65								
9.0	27.42	27.59								
12.0	27.20	27.45								
15.0	26.91	27.23								
18.0	26.54	26.95								
21.0	26.09	26.62								
24.0	25.56	26.20								
27.0	24.96	25.73								
30.0	24.28	25.18								

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:

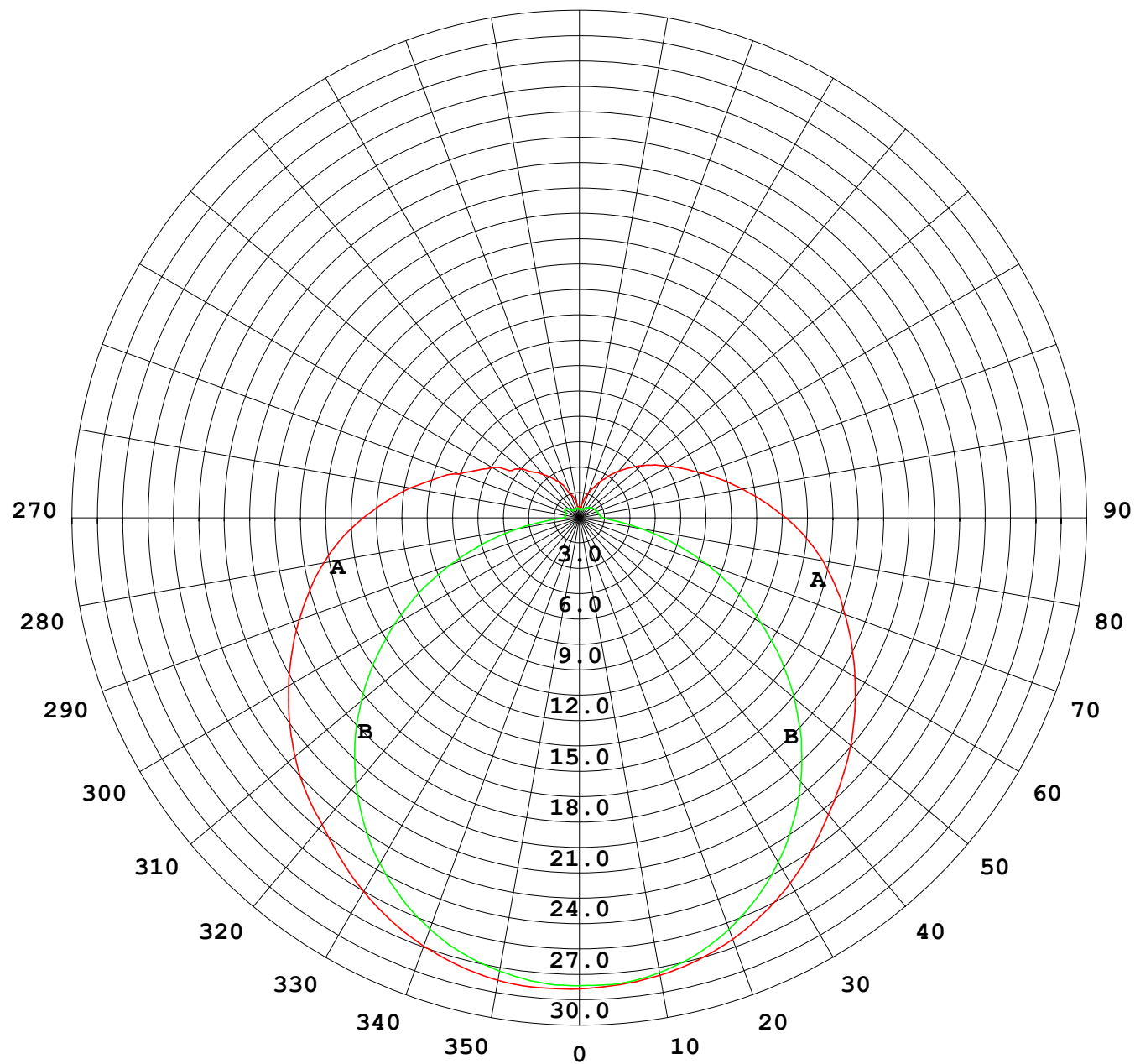
Photometric Data Table [cd]

33.0	23.56	24.62
36.0	22.80	23.98
39.0	22.00	23.25
42.0	21.15	22.46
45.0	20.24	21.71
48.0	19.31	21.04
51.0	18.34	20.38
54.0	17.35	19.72
57.0	16.32	18.94
60.0	15.32	18.24
63.0	14.36	17.47
66.0	13.42	16.75
69.0	12.51	16.03
72.0	11.56	15.30
75.0	10.68	14.58
78.0	9.867	13.88
81.0	9.139	13.18
84.0	8.454	12.48
87.0	7.824	11.77
90.0	7.221	10.99
93.0	6.667	10.25
96.0	6.183	9.546
99.0	5.455	8.874
102.0	4.916	8.209
105.0	4.528	7.447
108.0	4.224	6.740
111.0	4.065	6.158
114.0	3.814	5.708
117.0	3.365	5.224
120.0	3.262	4.794
123.0	3.123	4.544
126.0	2.839	4.212
129.0	2.603	3.866
132.0	2.263	3.595
135.0	1.931	3.195
138.0	1.592	2.820
141.0	1.392	2.459
144.0	1.253	2.141
147.0	1.094	1.767
150.0	0.9831	1.676
153.0	0.8930	1.504
156.0	0.7755	1.385
159.0	0.7410	1.212
162.0	0.7341	1.060
165.0	0.6508	0.9147
168.0	0.6164	0.8105
171.0	0.6094	0.7482
174.0	0.6024	0.6789
177.0	0.5887	0.6442
180.0	0.5818	0.6164

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

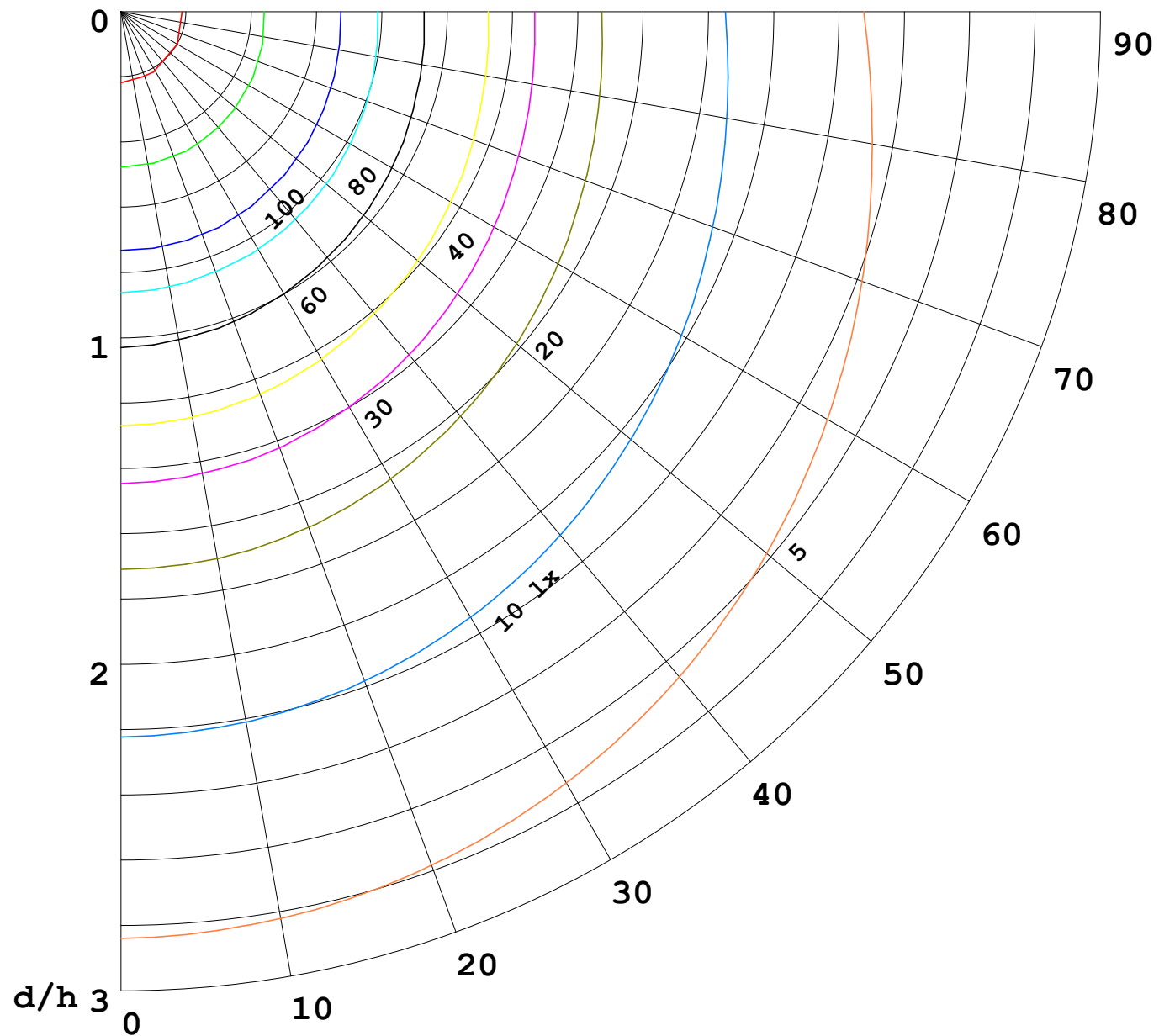
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity: 65.0%
 Test Distance: 10.800m [K=1.0000]
 Remarks:

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

