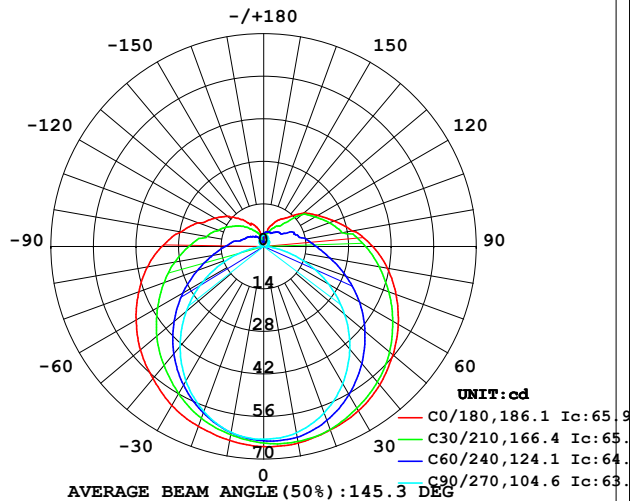


LUMINAIRE PHOTOMETRIC TEST REPORT

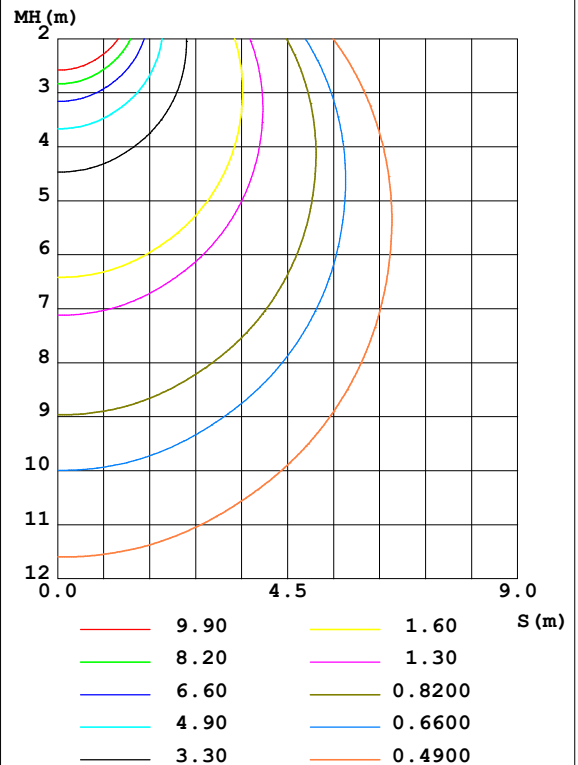
Test:U:24.00V I:0.8391A P:20.14W PF:1.000 Freq:50.00Hz Lamp Flux:319.821x1 lm		
NAME: SF21-24V-5050-70-DMX4-RGBW(4000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121705
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 15.88 lm/W			
MODEL	5050	I _{max} (cd)	65.96	S/MH (C0/180)	1.37
NOMINAL POWER (W)	18	LOR (%)	100.0	S/MH (C90/270)	1.21
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	319.82	η UP, DN (C0-180)	11.4, 38.9
NOMINAL FLUX (lm)	319.821	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	11.2, 38.4
LAMPS INSIDE	1	η up (%)	22.7	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	24	η down (%)	77.3	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-12-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	65.68	64.47	62.30	61.27	64.84	62.55	62.09	63.11	0- 10	6.069	6.069	1.9,1.9
20	64.26	62.52	58.29	57.98	62.98	59.18	57.77	61.07	10- 20	17.51	23.58	7.37,7.37
30	62.44	58.82	52.11	53.25	60.45	54.34	51.16	57.58	20- 30	26.97	50.55	15.8,15.8
40	59.47	54.27	44.10	47.62	56.70	48.58	42.84	53.32	30- 40	33.60	84.15	26.3,26.3
50	55.53	48.80	34.75	41.28	52.98	42.21	33.31	48.06	40- 50	37.02	121.2	37.9,37.9
60	51.14	42.69	24.58	34.76	48.49	35.55	22.96	42.10	50- 60	37.15	158.3	49.5,49.5
70	46.36	36.36	14.07	28.44	43.77	29.07	12.54	35.95	60- 70	34.44	192.8	60.3,60.3
80	41.35	30.41	4.537	22.95	38.86	23.41	3.433	30.10	70- 80	29.80	222.6	69.6,69.6
90	35.92	25.43	0.9147	18.32	33.49	18.67	0.6447	25.16	80- 90	24.71	247.3	77.3,77.3
100	29.70	20.24	1.036	14.32	27.68	14.56	0.7084	20.13	90-100	20.40	267.7	83.7,83.7
110	24.69	17.14	1.377	11.17	22.91	11.45	0.8139	17.20	100-110	15.86	283.5	88.7,88.7
120	20.55	14.37	1.759	9.443	18.67	9.640	1.357	14.47	110-120	12.48	296.0	92.6,92.6
130	17.05	11.68	2.141	7.712	15.46	7.831	1.869	12.15	120-130	9.484	305.5	95.5,95.5
140	12.62	7.781	2.453	6.055	11.67	6.203	2.236	8.849	130-140	6.518	312.0	97.6,97.6
150	10.18	6.279	2.885	4.425	8.576	4.628	2.678	6.699	140-150	4.042	316.0	98.8,98.8
160	7.480	5.231	3.438	2.829	6.727	3.010	3.201	5.384	150-160	2.375	318.4	99.6,99.6
170	3.177	4.619	3.880	1.643	2.888	1.570	3.679	4.656	160-170	1.107	319.5	99.9,99.9
180	1.598	2.907	3.995	3.764	1.608	2.877	4.126	3.769	170-180	0.2962	319.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 102.44 lm

%lum = 32.0%

%lamp = 32.0%

Conical surface Flux(120deg): 158.32 lm

%lum = 49.5%

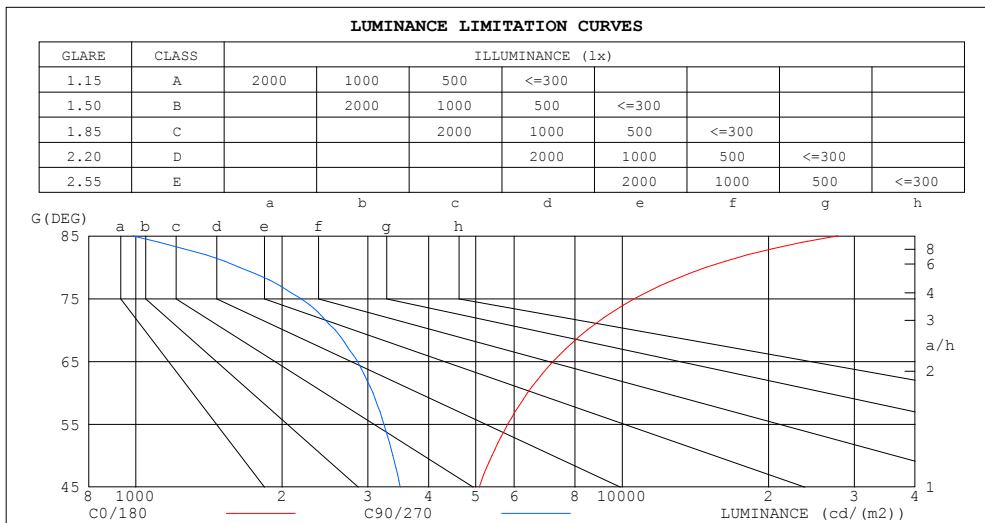
%lamp = 49.5%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.8391A P:20.14W PF:1.000 Freq:50.00Hz Lamp Flux:319.821x1 lm		
NAME: SF21-24V-5050-70-DMX4-RGBW(4000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121705
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	27737	985
80	14884	1633
75	10599	2188
70	8471	2571
65	7212	2857
60	6393	3073
55	5820	3237
50	5400	3379
45	5084	3495

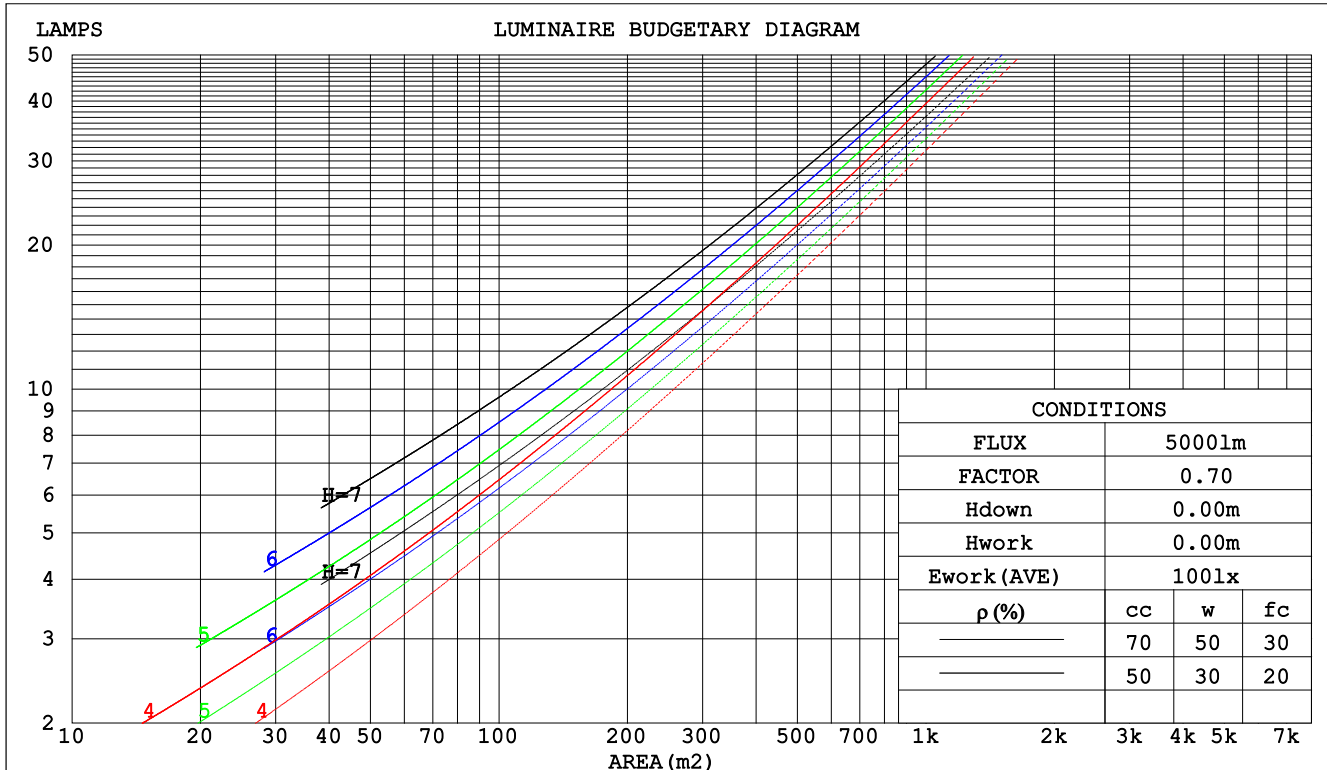
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.8391A P:20.14W PF:1.000 Freq:50.00Hz Lamp Flux:319.821x1 lm		
NAME: SF21-24V-5050-70-DMX4-RGBW(4000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121705
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.14	1.14	1.14	1.08	1.08	1.08	.99	.99	.99	.89	.89	.89	.81	.81	.81	.77
1.0	.94	.89	.84	.90	.85	.81	.81	.77	.74	.74	.70	.68	.66	.64	.62	.58
2.0	.81	.73	.66	.77	.70	.64	.69	.64	.59	.63	.58	.54	.56	.53	.49	.46
3.0	.70	.61	.54	.67	.58	.52	.60	.54	.48	.54	.49	.44	.49	.45	.41	.37
4.0	.61	.52	.45	.58	.50	.43	.53	.46	.40	.48	.42	.37	.43	.38	.34	.31
5.0	.54	.45	.38	.52	.43	.37	.47	.40	.34	.43	.37	.32	.39	.34	.29	.27
6.0	.49	.39	.33	.47	.38	.32	.42	.35	.30	.39	.32	.28	.35	.30	.26	.23
7.0	.44	.35	.29	.42	.34	.28	.38	.31	.26	.35	.29	.24	.32	.27	.23	.20
8.0	.40	.31	.25	.38	.30	.24	.35	.28	.23	.32	.26	.21	.29	.24	.20	.18
9.0	.36	.28	.22	.35	.27	.22	.32	.25	.20	.29	.23	.19	.27	.22	.18	.16
10.0	.33	.25	.20	.32	.25	.20	.30	.23	.18	.27	.21	.17	.25	.20	.16	.14



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:24.00V I:0.8391A P:20.14W PF:1.000 Freq:50.00Hz Lamp Flux:319.821x1 lm		
NAME: SF21-24V-5050-70-DMX4-RGBW(4000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121705
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.387	.220	.070	.373	.213	.068	.346	.199	.063	.322	.186	.060	.299	.174	.056		
2.0	.333	.183	.056	.320	.176	.054	.296	.165	.051	.274	.154	.048	.254	.144	.045		
3.0	.295	.157	.047	.284	.152	.046	.262	.142	.043	.242	.132	.041	.223	.124	.038		
4.0	.265	.138	.041	.255	.133	.039	.235	.125	.037	.217	.116	.035	.200	.108	.033		
5.0	.241	.123	.036	.232	.119	.035	.213	.111	.033	.197	.104	.031	.181	.097	.029		
6.0	.221	.111	.032	.212	.107	.031	.196	.100	.029	.180	.094	.028	.166	.087	.026		
7.0	.204	.101	.029	.196	.097	.028	.180	.091	.026	.166	.085	.025	.153	.079	.023		
8.0	.189	.092	.026	.181	.089	.025	.167	.084	.024	.154	.078	.023	.142	.073	.021		
9.0	.176	.085	.024	.169	.082	.023	.156	.077	.022	.144	.072	.021	.133	.067	.019		
10.0	.165	.079	.022	.158	.076	.021	.146	.072	.020	.135	.067	.019	.125	.063	.018		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.363	.363	.363	.311	.311	.311	.212	.212	.212	.122	.122	.122	.039	.039	.039	
1.0	.360	.330	.303	.308	.283	.260	.211	.195	.180	.121	.113	.105	.039	.036	.034	
2.0	.353	.307	.268	.303	.264	.232	.207	.183	.162	.120	.106	.095	.038	.034	.031	
3.0	.346	.291	.247	.296	.251	.214	.203	.174	.150	.118	.102	.089	.038	.033	.029	
4.0	.338	.279	.233	.290	.241	.202	.199	.168	.143	.115	.098	.084	.037	.032	.028	
5.0	.330	.269	.223	.284	.233	.194	.195	.162	.137	.113	.095	.081	.036	.031	.027	
6.0	.323	.261	.216	.278	.226	.188	.192	.158	.133	.111	.093	.079	.036	.030	.026	
7.0	.316	.254	.211	.272	.221	.184	.188	.155	.130	.109	.091	.078	.035	.030	.026	
8.0	.309	.249	.207	.266	.216	.181	.184	.152	.128	.107	.089	.076	.035	.029	.025	
9.0	.303	.244	.204	.261	.212	.178	.181	.149	.127	.105	.088	.076	.034	.029	.025	
10.0	.297	.240	.202	.256	.208	.176	.178	.147	.125	.104	.087	.075	.034	.028	.025	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.00V I:0.8391A P:20.14W PF:1.000 Freq:50.00Hz Lamp Flux:319.821x1 lm											
NAME: SF21-24V-5050-70-DMX4-RGBW(4000)						TYPE:硅胶			WEIGHT:		
SPEC.:						DIM.: 28mm*11.5mm			SERIAL No.:2021121705		
MFR.: OLYMPIA						SUR.:1*0.016			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H	22.3	23.7	22.9	24.2	24.9	19.6	21.0	20.2	21.5	22.2	
	3H	25.1	26.4	25.7	27.0	27.6	21.1	22.3	21.7	22.9	23.6
	4H	26.7	27.8	27.3	28.5	29.2	21.6	22.8	22.2	23.4	24.1
	6H	28.4	29.5	29.1	30.1	30.9	22.0	23.1	22.6	23.7	24.4
	8H	29.4	30.4	30.0	31.1	31.8	22.1	23.1	22.7	23.8	24.5
	12H	30.5	31.5	31.1	32.2	32.9	22.1	23.1	22.8	23.8	24.5
4H	2H	22.9	24.1	23.5	24.7	25.4	21.0	22.2	21.7	22.8	23.5
	3H	26.0	27.0	26.7	27.7	28.4	22.8	23.8	23.5	24.5	25.3
	4H	27.8	28.7	28.4	29.4	30.2	23.6	24.6	24.3	25.2	26.0
	6H	29.7	30.5	30.4	31.2	32.1	24.2	25.1	24.9	25.8	26.6
	8H	30.8	31.6	31.5	32.3	33.1	24.4	25.2	25.2	25.9	26.8
	12H	32.0	32.7	32.8	33.5	34.3	24.6	25.3	25.3	26.0	26.9
8H	4H	28.1	28.9	28.9	29.6	30.5	25.0	25.8	25.7	26.5	27.3
	6H	30.4	31.1	31.2	31.8	32.7	26.1	26.7	26.8	27.5	28.4
	8H	31.7	32.3	32.5	33.1	34.0	26.6	27.1	27.3	27.9	28.8
	12H	33.2	33.8	34.0	34.5	35.5	26.9	27.4	27.7	28.2	29.2
12H	4H	28.2	28.9	28.9	29.6	30.5	25.4	26.2	26.2	26.9	27.8
	6H	30.6	31.1	31.3	31.9	32.8	26.8	27.4	27.6	28.2	29.1
	8H	32.0	32.5	32.8	33.3	34.2	27.5	28.0	28.3	28.8	29.7
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4					

CIE Pub.117, 319.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.0)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.8391A P:20.14W PF:1.000 Freq:50.00Hz Lamp Flux:319.821x1 lm		
NAME: SF21-24V-5050-70-DMX4-RGBW(4000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121705
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

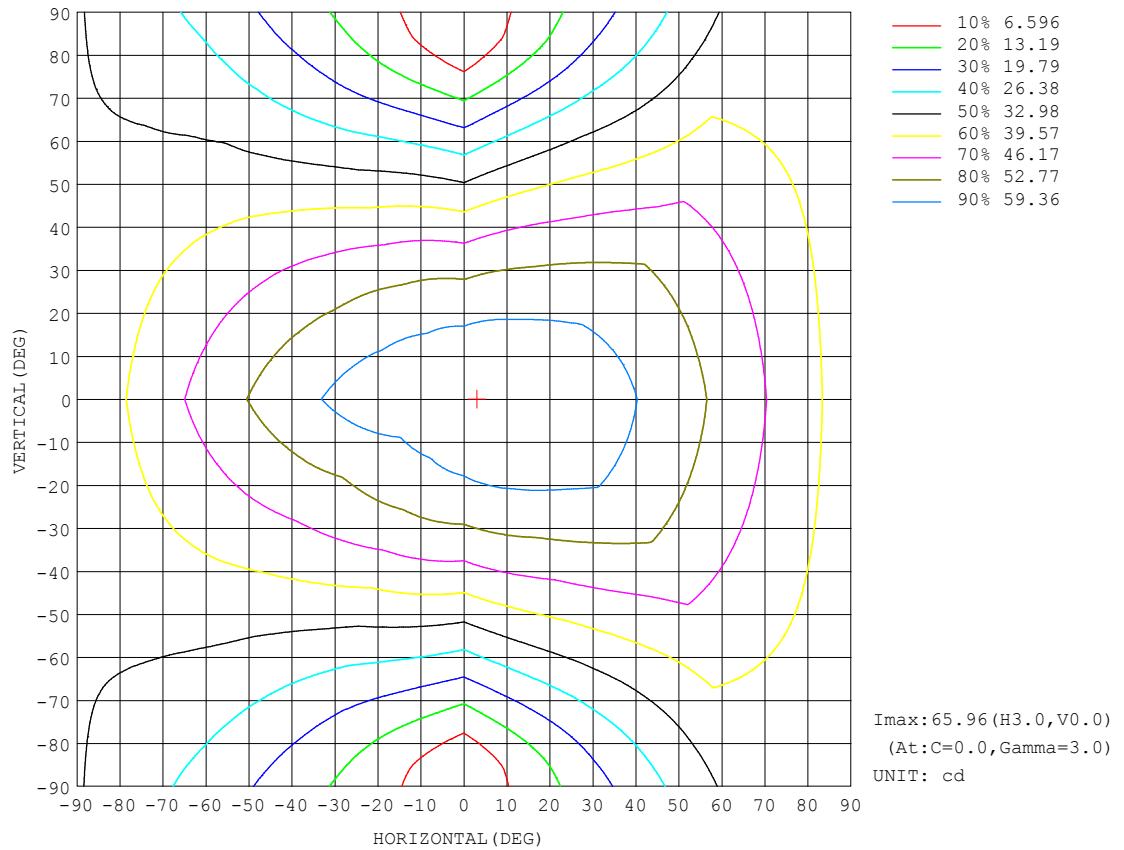
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	34	27	45	33	26	43	32	26	19
0.80	55	42	34	54	41	34	50	40	33	25
1.00	63	50	41	61	49	41	57	49	39	30
1.25	70	57	48	67	55	47	62	53	45	35
1.50	75	63	54	72	61	53	67	57	50	39
2.00	82	71	62	79	69	61	73	64	58	45
2.50	87	76	68	83	74	66	76	68	62	49
3.00	91	81	73	87	78	71	79	72	67	52
4.00	95	87	80	91	84	78	83	77	72	57
5.00	98	91	85	94	88	82	86	81	76	59
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.8391A P:20.14W PF:1.000 Freq:50.00Hz Lamp Flux:319.821x1 lm		
NAME: SF21-24V-5050-70-DMX4-RGBW(4000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121705
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

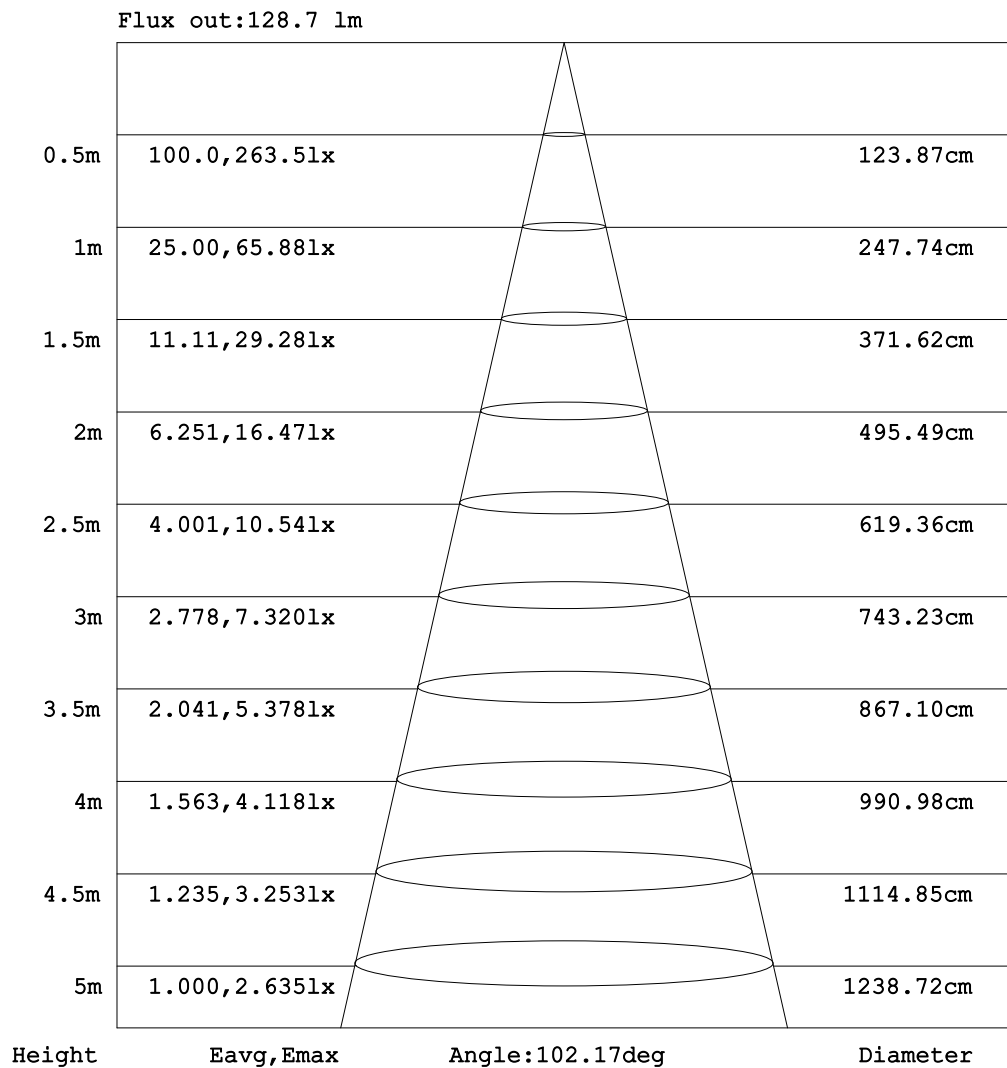


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-12-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

AAI Figure

Test:U:24.00V I:0.8391A P:20.14W PF:1.000 Freq:50.00Hz Lamp Flux:319.82lx1 lm		
NAME: SF21-24V-5050-70-DMX4-RGBW(4000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121705
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



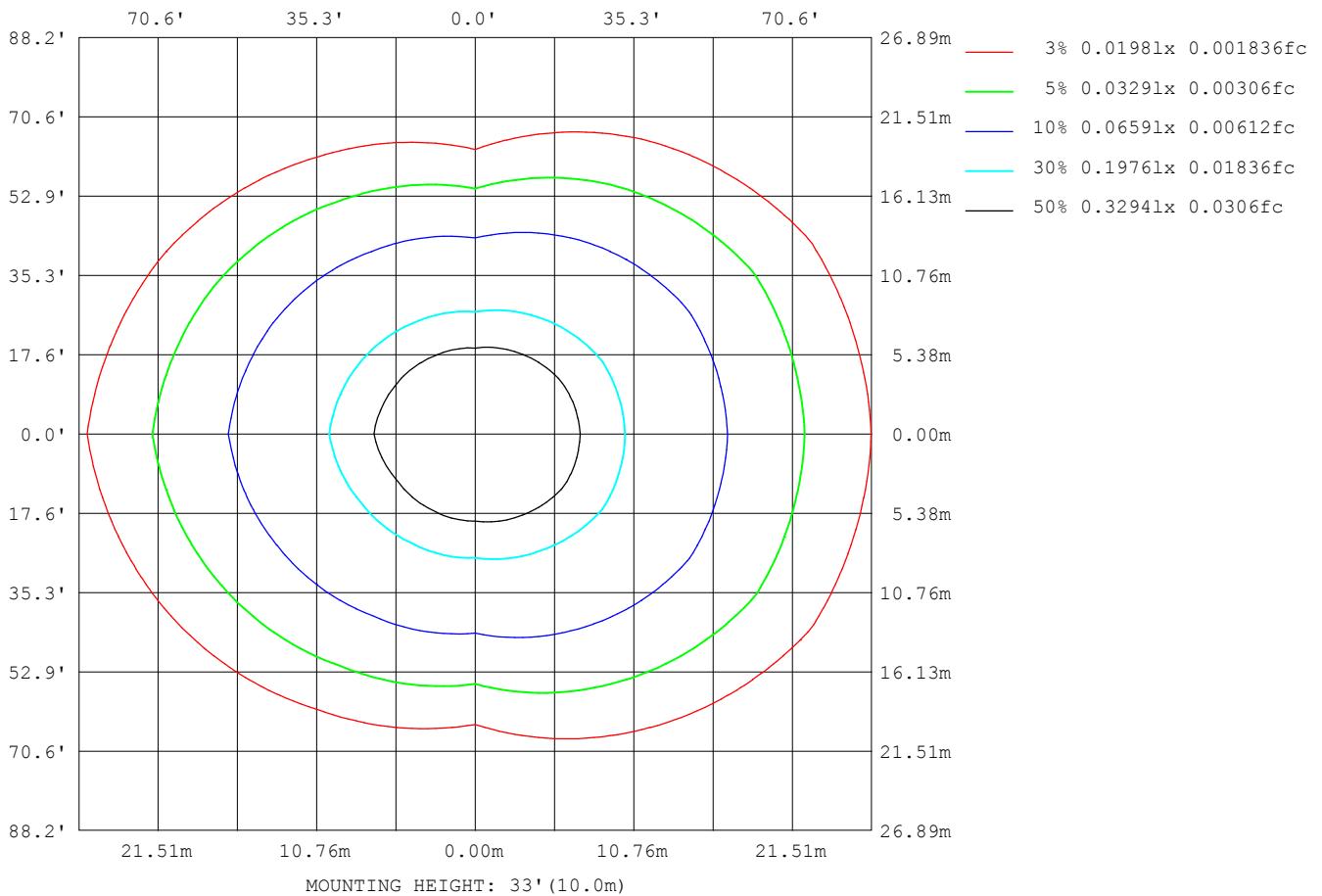
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 9.200m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:24.00V I:0.8391A P:20.14W PF:1.000 Freq:50.00Hz Lamp Flux:319.821x1 lm		
NAME: SF21-24V-5050-70-DMX4-RGBW(4000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121705
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:24.00V I:0.8391A P:20.14W PF:1.000 Freq:50.00Hz Lamp Flux:319.821x1 lm		
NAME: SF21-24V-5050-70-DMX4-RGBW(4000)	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121705
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

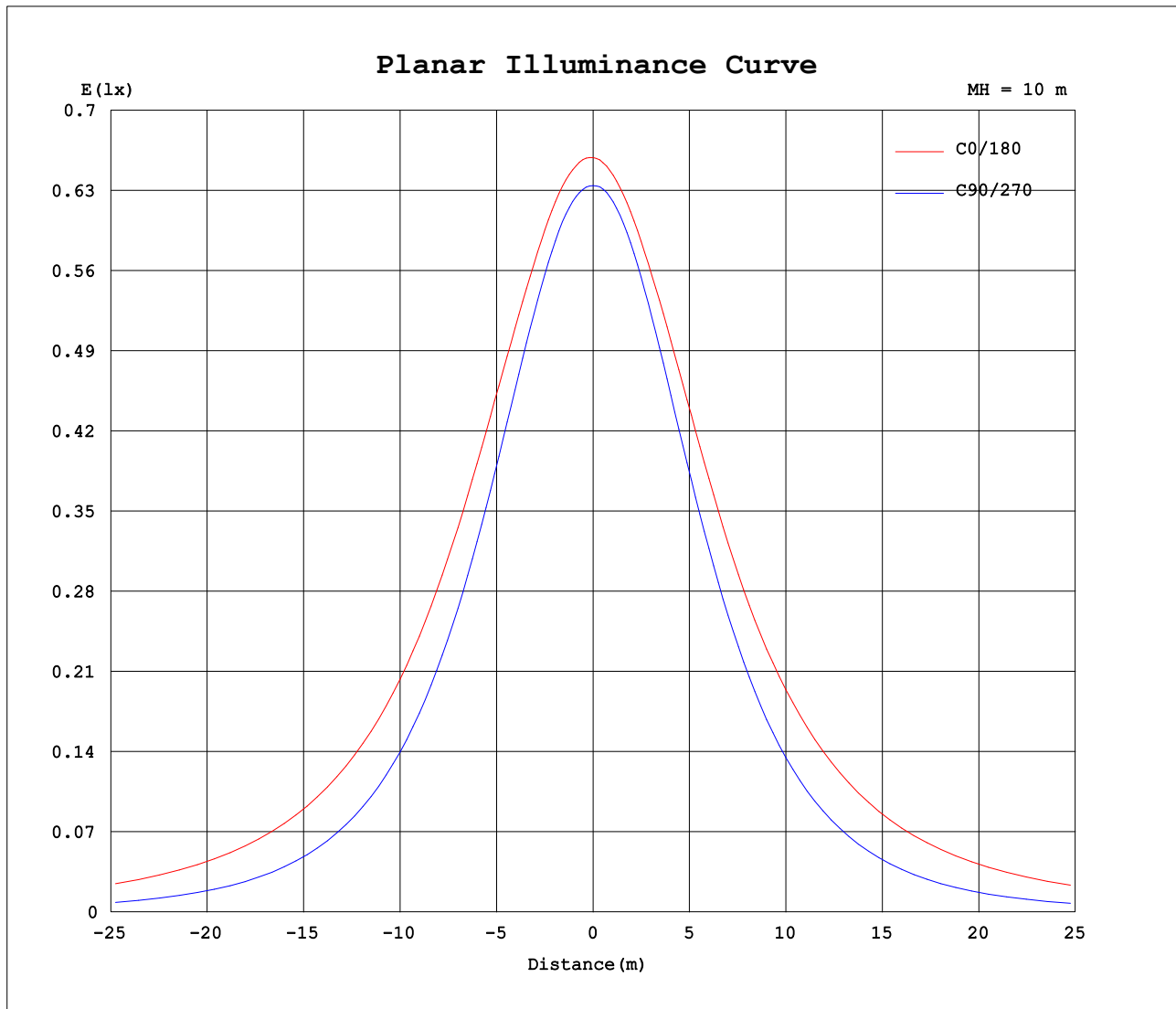
AvgL	cd/m2
L_0~180 (65) av	7019
L_0~180 (75) av	10292
L_0~180 (85) av	26869
L_90~270 (65) av	2739
L_90~270 (75) av	2008
L_90~270 (85) av	789
L_45 (65) av	5314
L_45 (75) av	7243
L_45 (85) av	17763

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-12-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.8391A P:20.14W PF:1.000 Freq:50.00Hz Lamp Flux:319.821x1 lm		
NAME: SF21-24V-5050-70-DMX4-RGBW(4000)	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121705
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	65.9	64.7	64.0	63.4	63.2	62.9	65.9	64.7	64.0	63.4	63.2	62.9						
5	65.9	65.1	64.1	63.2	62.5	62.1	65.5	63.9	63.3	63.2	63.2	63.4						
10	65.7	65.2	63.8	62.3	61.4	61.1	64.8	62.9	62.2	62.1	62.8	63.4						
15	65.0	64.9	62.6	60.6	59.7	60.0	63.9	61.7	60.4	60.3	61.6	63.1						
20	64.3	64.1	60.9	58.3	57.5	58.4	63.0	60.1	58.2	57.8	59.8	62.3						
25	63.5	62.8	58.8	55.5	55.1	56.5	61.9	58.2	55.6	54.7	57.6	61.3						
30	62.4	61.4	56.2	52.1	52.2	54.3	60.5	55.9	52.7	51.2	55.2	60.0						
35	61.1	59.9	53.4	48.3	49.0	52.0	58.6	53.5	49.6	47.2	52.5	58.5						
40	59.5	58.3	50.3	44.1	45.5	49.7	56.7	51.1	46.1	42.8	49.7	57.0						
45	57.5	56.3	46.9	39.5	41.8	47.2	54.9	48.6	42.3	38.2	46.5	55.1						
50	55.5	54.1	43.5	34.8	38.0	44.5	53.0	45.9	38.5	33.3	43.1	53.1						
55	53.4	51.6	40.0	29.7	34.3	41.8	50.8	43.1	34.7	28.2	39.6	50.7						
60	51.1	49.0	36.4	24.6	30.4	39.1	48.5	40.3	30.8	23.0	36.0	48.2						
65	48.8	46.5	32.6	19.3	26.6	36.5	46.2	37.6	26.9	17.7	32.4	45.8						
70	46.4	43.8	28.9	14.1	22.9	33.9	43.8	34.9	23.2	12.5	28.6	43.3						
75	43.9	41.2	25.4	9.06	19.8	31.4	41.4	32.3	20.0	7.57	25.2	40.7						
80	41.4	38.6	22.2	4.54	17.0	28.9	38.9	29.7	17.1	3.43	22.0	38.2						
85	38.7	36.1	19.5	1.37	14.6	26.3	36.3	27.1	14.7	0.83	19.2	35.8						
90	35.9	33.6	17.3	0.91	12.7	23.9	33.5	24.6	12.7	0.64	17.0	33.3						
95	33.1	31.1	15.6	0.95	11.3	21.8	30.8	22.5	11.2	0.65	15.3	31.0						
100	29.7	26.3	14.2	1.04	10.2	18.4	27.7	19.0	10.1	0.71	13.9	26.4						
105	27.1	24.7	12.1	1.30	7.50	17.3	25.4	17.7	7.82	0.77	11.8	24.8						
110	24.7	23.0	11.3	1.38	7.16	15.2	22.9	15.8	7.11	0.81	11.4	23.0						
115	22.5	21.2	11.0	1.56	6.56	13.8	20.4	14.6	6.51	1.07	10.0	21.2						
120	20.6	19.6	9.17	1.76	6.26	12.6	18.7	13.1	6.21	1.36	9.44	19.5						
125	18.8	18.1	7.33	1.95	5.71	11.5	17.0	11.7	5.59	1.61	8.83	18.1						
130	17.1	16.4	6.99	2.14	5.21	10.2	15.5	10.6	5.07	1.87	8.10	16.2						
135	14.8	12.5	6.70	2.30	4.81	9.14	13.5	9.39	4.68	2.07	7.37	13.4						
140	12.6	9.35	6.21	2.45	4.31	7.80	11.7	8.15	4.26	2.24	6.47	11.2						
145	11.2	8.22	5.67	2.56	3.87	6.72	9.88	6.94	3.97	2.41	5.84	9.43						
150	10.2	7.44	5.12	2.89	3.13	5.72	8.58	5.96	3.30	2.68	5.22	8.17						
155	8.90	6.41	5.10	3.17	2.43	4.83	7.92	5.10	2.52	2.92	5.01	6.75						
160	7.48	5.33	5.13	3.44	1.78	3.88	6.73	4.25	1.77	3.20	5.06	5.71						
165	6.22	4.60	5.04	3.70	1.60	2.57	5.33	2.90	1.54	3.43	5.05	4.75						
170	3.18	4.37	4.87	3.88	1.56	1.73	2.89	1.60	1.54	3.68	4.71	4.60						
175	2.61	4.05	4.59	3.99	1.53	1.59	2.11	1.59	1.54	3.90	4.48	4.47						
180	1.60	1.93	3.88	4.00	3.99	3.54	1.61	2.25	3.50	4.13	4.04	3.50						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

Photometric Data Table [cd]

G/C	0.0	30.0	60.0	90.0	120.0	150.0	180.0	210.0	240.0	270.0
0.0	65.88	64.69	63.96	63.43	63.16	62.89	65.88	64.69	63.96	63.43
3.0	65.96	65.02	64.10	63.35	62.83	62.45	65.70	64.27	63.65	63.37
6.0	65.89	65.14	64.03	63.07	62.35	61.92	65.40	63.74	63.18	63.03
9.0	65.78	65.19	63.89	62.57	61.69	61.33	64.98	63.10	62.50	62.39
12.0	65.46	65.10	63.35	61.64	60.74	60.70	64.48	62.41	61.56	61.45
15.0	65.05	64.86	62.60	60.59	59.65	59.98	63.92	61.70	60.43	60.26
18.0	64.55	64.47	61.66	59.29	58.43	59.11	63.34	60.81	59.14	58.84
21.0	64.11	63.90	60.54	57.73	57.07	58.07	62.78	59.76	57.75	57.20
24.0	63.65	63.11	59.25	56.12	55.58	56.90	62.13	58.66	56.18	55.33
27.0	63.11	62.28	57.82	54.10	53.97	55.63	61.35	57.34	54.51	53.35
30.0	62.44	61.41	56.23	52.11	52.22	54.28	60.45	55.93	52.75	51.16
33.0	61.67	60.53	54.54	49.84	50.34	52.86	59.41	54.52	50.86	48.82
36.0	60.79	59.62	52.78	47.45	48.35	51.52	58.24	53.00	48.87	46.35
39.0	59.82	58.62	50.91	44.99	46.28	50.18	57.07	51.58	46.78	43.71
42.0	58.72	57.52	48.95	42.35	44.06	48.71	56.00	50.15	44.60	40.98
45.0	57.52	56.30	46.94	39.54	41.83	47.18	54.95	48.59	42.33	38.19
48.0	56.31	55.03	44.89	36.72	39.55	45.63	53.79	47.03	40.03	35.27
51.0	55.13	53.61	42.82	33.75	37.31	43.98	52.57	45.38	37.72	32.30
54.0	53.86	52.13	40.72	30.72	35.04	42.35	51.25	43.66	35.43	29.29
57.0	52.53	50.55	38.56	27.69	32.71	40.76	49.87	41.99	33.12	26.15
60.0	51.14	49.02	36.35	24.58	30.38	39.15	48.49	40.32	30.78	22.96
63.0	49.73	47.52	34.14	21.39	28.09	37.54	47.10	38.70	28.45	19.86
66.0	48.29	45.97	31.89	18.23	25.83	36.02	45.67	37.04	26.16	16.72
69.0	46.84	44.36	29.64	15.10	23.65	34.45	44.25	35.45	23.95	13.58
72.0	45.38	42.74	27.47	11.99	21.63	32.89	42.79	33.90	21.87	10.52
75.0	43.89	41.19	25.43	9.059	19.76	31.40	41.35	32.30	19.96	7.567
78.0	42.38	39.63	23.44	6.265	18.06	29.88	39.87	30.82	18.21	4.922
81.0	40.83	38.10	21.61	3.808	16.52	28.37	38.36	29.16	16.64	2.744
84.0	39.22	36.61	19.96	1.870	15.07	26.82	36.80	27.61	15.16	1.035
87.0	37.59	35.06	18.54	0.9895	13.79	25.38	35.14	26.09	13.84	0.6740
90.0	35.92	33.56	17.30	0.9147	12.69	23.95	33.49	24.65	12.69	0.6447
93.0	34.20	32.12	16.26	0.9349	11.80	22.67	31.89	23.30	11.77	0.6464
96.0	32.51	30.65	15.30	0.9650	11.07	21.46	30.32	22.07	10.99	0.6482
99.0	30.86	27.52	14.47	1.000	10.43	18.61	28.26	19.26	10.27	0.6784
102.0	28.66	25.75	13.61	1.212	9.057	18.01	26.75	18.57	9.079	0.7639
105.0	27.14	24.72	12.11	1.302	7.501	17.27	25.38	17.70	7.825	0.7746
108.0	25.66	23.72	11.88	1.337	7.403	16.20	23.95	16.39	7.486	0.7854
111.0	24.22	22.63	11.25	1.397	7.008	14.91	21.90	15.57	6.959	0.8490
114.0	22.89	21.56	11.00	1.518	6.731	14.03	20.63	14.86	6.588	1.005
117.0	21.68	20.52	10.65	1.639	6.499	13.28	19.69	13.99	6.457	1.191
120.0	20.55	19.56	9.174	1.759	6.258	12.63	18.67	13.07	6.211	1.357
123.0	19.51	18.68	7.963	1.880	5.866	11.98	17.70	12.23	5.908	1.517
126.0	18.51	17.86	7.138	1.991	5.610	11.29	16.75	11.49	5.568	1.663
129.0	17.47	17.01	6.996	2.101	5.354	10.49	15.77	10.81	5.150	1.809
132.0	16.18	14.97	6.951	2.207	5.032	9.819	14.19	10.06	5.000	1.945
135.0	14.76	12.47	6.700	2.302	4.810	9.139	13.53	9.385	4.682	2.070
138.0	13.41	10.49	6.444	2.403	4.499	8.311	12.47	8.520	4.392	2.181
141.0	12.25	8.933	6.093	2.468	4.228	7.537	11.51	7.744	4.252	2.281
144.0	11.41	8.342	5.786	2.538	3.951	7.009	10.33	7.168	4.080	2.377
147.0	10.82	8.035	5.434	2.604	3.600	6.260	9.353	6.335	3.768	2.492
150.0	10.18	7.436	5.122	2.885	3.128	5.722	8.576	5.957	3.299	2.678
153.0	9.416	6.788	5.006	3.066	2.686	5.180	8.354	5.459	2.798	2.814
156.0	8.597	6.195	5.121	3.222	2.278	4.718	7.712	5.081	2.411	2.965
159.0	7.641	5.537	5.136	3.388	1.877	4.124	6.859	4.549	1.948	3.141
162.0	7.049	4.953	5.096	3.549	1.642	3.324	6.258	3.616	1.538	3.331
165.0	6.220	4.596	5.041	3.699	1.596	2.567	5.334	2.902	1.539	3.432
168.0	3.417	4.436	4.941	3.830	1.560	1.788	3.135	2.284	1.540	3.583
171.0	3.057	4.352	4.825	3.925	1.553	1.701	2.767	1.598	1.541	3.709
174.0	2.715	4.135	4.664	3.985	1.533	1.614	2.280	1.593	1.542	3.839
177.0	2.344	3.980	4.469	3.995	1.513	1.528	1.888	1.588	1.543	4.000
180.0	1.598	1.935	3.880	3.995	3.985	3.543	1.608	2.252	3.503	4.126
G/C	300.0	330.0								
0.0	63.16	62.89								
3.0	63.26	63.22								
6.0	63.21	63.40								
9.0	62.93	63.44								
12.0	62.38	63.43								
15.0	61.59	63.10								
18.0	60.61	62.67								
21.0	59.42	62.12								
24.0	58.09	61.50								
27.0	56.67	60.81								
30.0	55.19	59.97								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 9.200m [K=1.0000]
 Remarks:

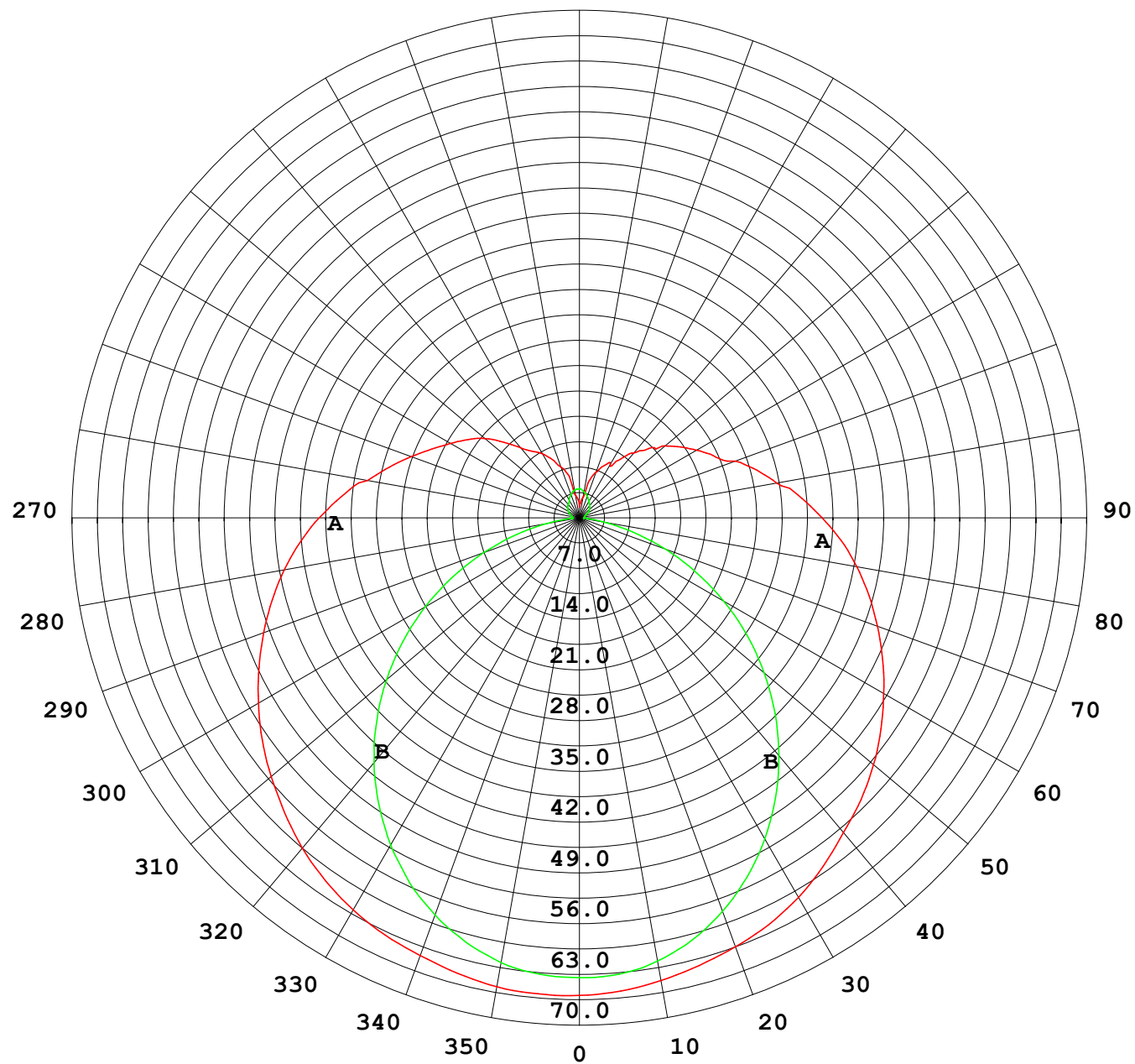
Photometric Data Table [cd]

33.0	53.60	59.10
36.0	51.97	58.22
39.0	50.26	57.30
42.0	48.45	56.26
45.0	46.49	55.14
48.0	44.45	53.91
51.0	42.41	52.60
54.0	40.33	51.22
57.0	38.20	49.72
60.0	36.04	48.17
63.0	33.81	46.78
66.0	31.60	45.31
69.0	29.39	43.77
72.0	27.21	42.26
75.0	25.17	40.72
78.0	23.21	39.21
81.0	21.35	37.73
84.0	19.67	36.28
87.0	18.23	34.79
90.0	16.98	33.33
93.0	15.93	31.91
96.0	14.97	30.52
99.0	14.14	29.16
102.0	13.36	27.80
105.0	11.81	24.82
108.0	11.54	23.72
111.0	10.93	22.61
114.0	10.82	21.50
117.0	10.15	20.46
120.0	9.436	19.51
123.0	9.111	18.63
126.0	8.642	17.83
129.0	8.201	16.81
132.0	7.829	15.19
135.0	7.366	13.40
138.0	6.783	11.84
141.0	6.331	10.70
144.0	5.949	9.671
147.0	5.602	8.923
150.0	5.225	8.173
153.0	4.956	7.365
156.0	5.041	6.560
159.0	5.056	5.963
162.0	5.071	5.199
165.0	5.046	4.750
168.0	4.874	4.642
171.0	4.673	4.578
174.0	4.518	4.514
177.0	4.407	4.238
180.0	4.036	3.503

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-17

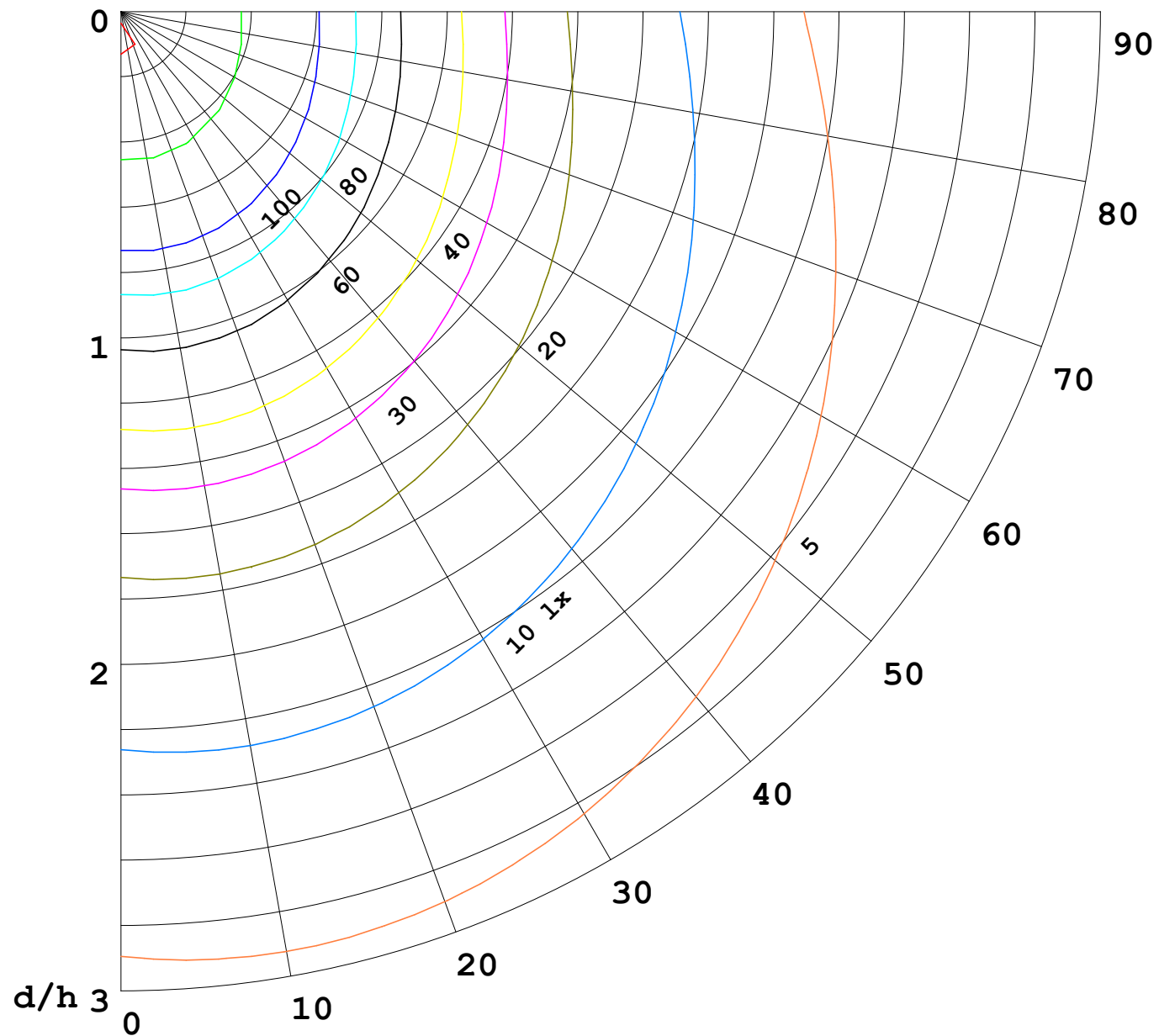
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

I (cd)



1000 lm

$\kappa = 1$



F = 5000 lm
 K = 0.7
 Hcc = 0.0 m
 Hfc = 0.0 m
 Eave = 100 lx

	Pcc	Pw	Pfc
—	70	50	30
—	50	30	20

