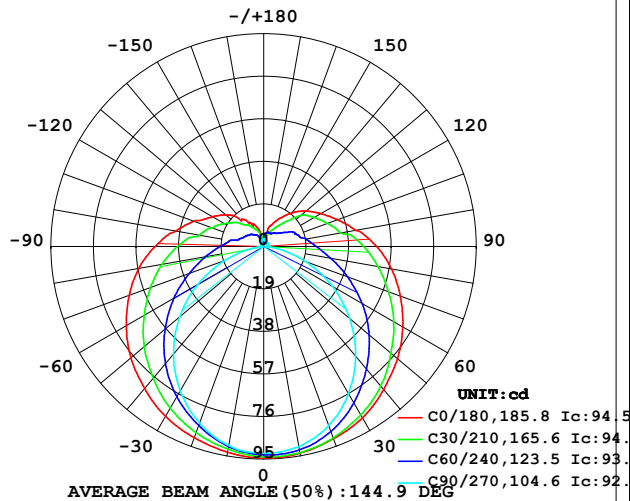


LUMINAIRE PHOTOMETRIC TEST REPORT

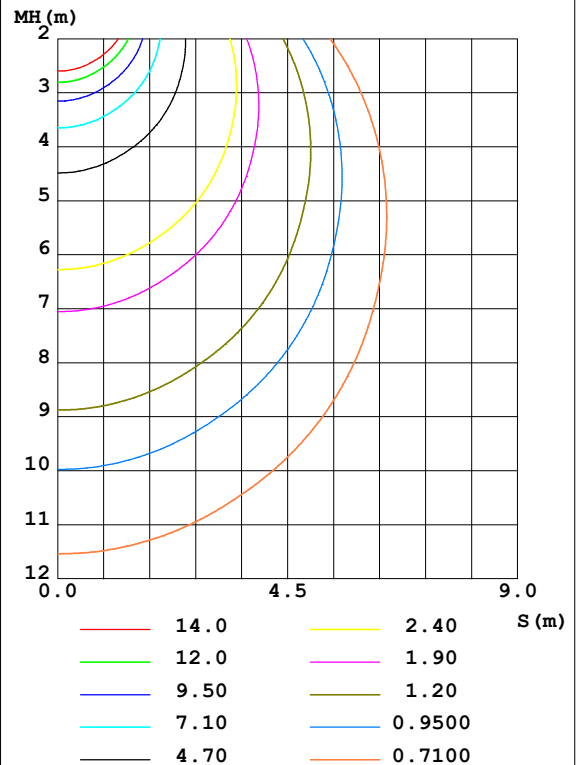
Test:U:24.00V I:0.6192A P:14.86W PF:1.000 Freq:50.00Hz Lamp Flux:460.145x1 lm		
NAME: SF21-24V-5050-70-DMX3-3000K	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121601
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 30.96 lm/W			
MODEL	5050	I _{max} (cd)	94.52	S/MH (C0/180)	1.40
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	1.21
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	460.14	η UP, DN (C0-180)	11.1, 38.7
NOMINAL FLUX (lm)	460.145	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	11.2, 38.9
LAMPS INSIDE	1	η up (%)	22.4	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	24	η down (%)	77.6	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-12-16

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	93.75	92.85	90.68	89.54	93.34	91.42	90.29	91.59	0- 10	8.807	8.807	1.91,1.91
20	91.36	89.42	85.06	85.26	90.89	86.80	83.92	88.04	10- 20	25.37	34.18	7.43,7.43
30	88.34	83.72	75.88	78.95	87.66	80.51	74.61	82.53	20- 30	39.10	73.28	15.9,15.9
40	83.40	76.38	63.90	70.91	82.80	72.55	62.74	75.98	30- 40	48.72	122.0	26.5,26.5
50	78.01	67.86	50.19	61.88	77.42	63.62	48.98	67.90	40- 50	53.59	175.6	38.2,38.2
60	71.73	58.91	35.30	52.37	70.88	54.00	33.90	59.09	50- 60	53.68	229.3	49.8,49.8
70	64.96	49.62	19.95	42.99	63.95	44.60	18.69	50.02	60- 70	49.65	278.9	60.6,60.6
80	57.99	41.08	6.379	34.57	56.63	36.22	5.271	41.60	70- 80	42.83	321.8	69.9,69.9
90	50.50	34.10	1.287	27.46	48.55	28.94	0.9116	34.64	80- 90	35.37	357.1	77.6,77.6
100	41.89	27.09	1.483	21.25	40.00	22.27	1.065	27.59	90-100	29.05	386.2	83.9,83.9
110	35.09	23.03	1.654	16.80	33.21	17.66	1.177	23.84	100-110	22.56	408.7	88.8,88.8
120	29.47	19.52	1.865	14.01	26.60	14.87	1.327	20.30	110-120	17.76	426.5	92.7,92.7
130	24.66	15.53	2.051	11.75	21.96	12.50	1.733	16.92	120-130	13.51	440.0	95.6,95.6
140	19.63	10.77	2.181	9.352	15.31	9.779	2.226	11.75	130-140	9.283	449.3	97.6,97.6
150	14.53	8.002	2.458	6.981	12.48	7.875	2.779	8.823	140-150	5.742	455.0	98.9,98.9
160	10.21	6.644	2.689	4.488	9.263	5.548	3.106	7.266	150-160	3.264	458.3	99.6,99.6
170	4.615	5.745	2.885	2.306	3.706	3.268	3.332	6.226	160-170	1.481	459.8	99.9,99.9
180	2.292	2.417	2.930	3.176	2.287	2.241	3.568	3.144	170-180	0.3672	460.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 148.49 lm

%lum = 32.3%

%lamp = 32.3%

Conical surface Flux(120deg): 229.27 lm

%lum = 49.8%

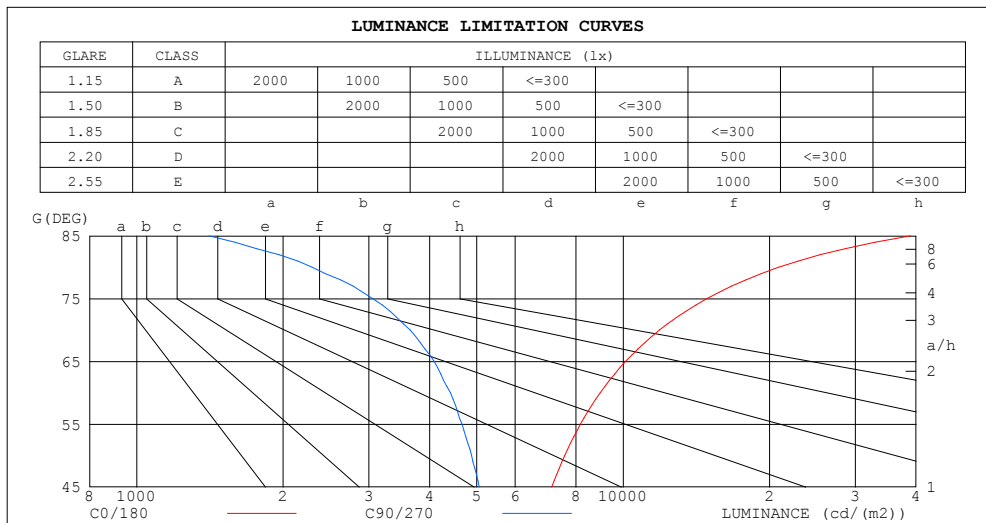
%lamp = 49.8%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-16

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:0.6192A P:14.86W PF:1.000 Freq:50.00Hz Lamp Flux:460.145x1 lm		
NAME: SF21-24V-5050-70-DMX3-3000K	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121601
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	38933	1410
80	20872	2296
75	14857	3055
70	11871	3646
65	10114	4086
60	8967	4413
55	8174	4661
50	7585	4880
45	7127	5058

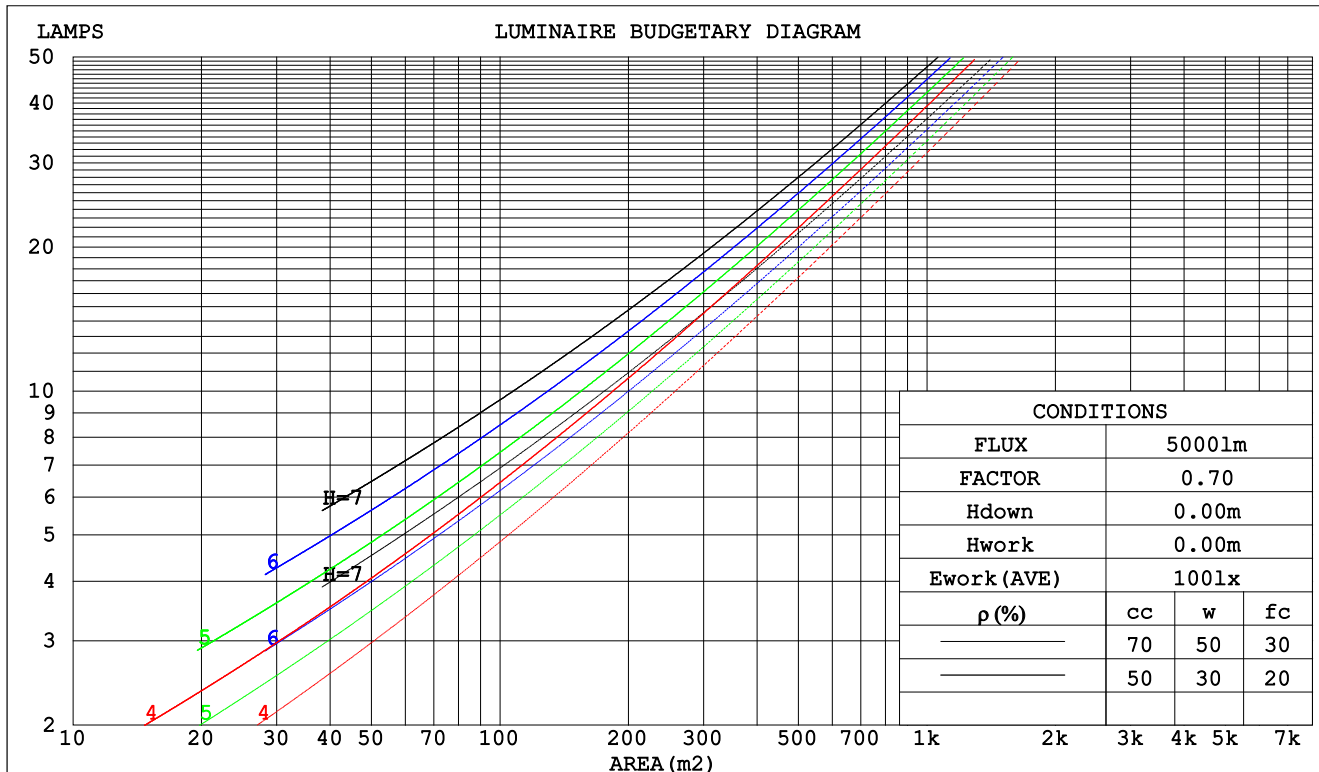
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-16

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:0.6192A P:14.86W PF:1.000 Freq:50.00Hz Lamp Flux:460.145x1 lm		
NAME: SF21-24V-5050-70-DMX3-3000K	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121601
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	.90	.90	.90	.81	.81	.81	.78
1.0	.95	.89	.84	.90	.85	.81	.82	.78	.74	.74	.71	.68	.67	.64	.62	.58
2.0	.81	.73	.66	.77	.70	.64	.70	.64	.59	.63	.58	.54	.57	.53	.50	.46
3.0	.70	.61	.54	.67	.59	.52	.60	.54	.48	.55	.49	.44	.49	.45	.41	.38
4.0	.61	.52	.45	.59	.50	.43	.53	.46	.40	.48	.42	.37	.44	.39	.35	.31
5.0	.54	.45	.38	.52	.43	.37	.47	.40	.34	.43	.37	.32	.39	.34	.30	.27
6.0	.49	.39	.33	.47	.38	.32	.43	.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	.25	.35	.28	.23	.32	.26	.22	.29	.24	.20	.18
9.0	.36	.28	.23	.35	.27	.22	.32	.25	.21	.30	.24	.19	.27	.22	.18	.16
10.0	.34	.26	.20	.32	.25	.20	.30	.23	.19	.27	.22	.17	.25	.20	.16	.14



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-16

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:0.6192A P:14.86W PF:1.000 Freq:50.00Hz Lamp Flux:460.145x1 lm		
NAME: SF21-24V-5050-70-DMX3-3000K	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121601
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	.386	.220	.070	.372	.212	.067	.346	.199	.063	.322	.186	.060	.300	.174	.056		
2.0	.333	.182	.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	.133	.041	.223	.124	.038		
4.0	.265	.138	.041	.255	.133	.039	.235	.125	.037	.217	.117	.035	.200	.109	.033		
5.0	.241	.123	.036	.232	.119	.035	.214	.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	.181	.091	.026	.167	.085	.025	.153	.080	.023		
8.0	.189	.092	.026	.181	.089	.025	.168	.084	.024	.155	.078	.023	.142	.073	.021		
9.0	.176	.085	.024	.169	.082	.023	.156	.077	.022	.144	.072	.021	.133	.068	.020		
10.0	.165	.079	.022	.158	.076	.021	.147	.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	.361	.361	.361	.309	.309	.309	.211	.211	.211	.121	.121	.121	.039	.039	.039		
1.0	.358	.327	.300	.306	.281	.258	.209	.193	.179	.120	.112	.104	.039	.036	.034		
2.0	.351	.305	.266	.301	.262	.230	.206	.182	.160	.119	.106	.094	.038	.034	.031		
3.0	.343	.289	.245	.294	.249	.212	.202	.173	.149	.117	.101	.088	.038	.033	.029		
4.0	.336	.276	.231	.288	.239	.200	.198	.166	.141	.115	.097	.084	.037	.032	.027		
5.0	.328	.266	.221	.282	.231	.192	.194	.161	.136	.112	.095	.081	.036	.031	.027		
6.0	.321	.259	.214	.276	.224	.186	.190	.157	.132	.110	.092	.078	.036	.030	.026		
7.0	.314	.252	.209	.270	.219	.182	.186	.153	.129	.108	.090	.077	.035	.030	.025		
8.0	.307	.247	.205	.264	.214	.179	.183	.150	.127	.106	.089	.076	.034	.029	.025		
9.0	.301	.242	.202	.259	.210	.176	.180	.148	.125	.105	.087	.075	.034	.029	.025		
10.0	.295	.238	.200	.254	.206	.174	.176	.145	.124	.103	.086	.074	.033	.028	.024		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-16

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:0.6192A P:14.86W PF:1.000 Freq:50.00Hz Lamp Flux:460.145x1 lm											
NAME: SF21-24V-5050-70-DMX3-3000K						TYPE:硅胶			WEIGHT:		
SPEC.:						DIM.: 28mm*11.5mm			SERIAL No.:2021121601		
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		22.1	23.4	22.7	24.0	24.6	19.5	20.8	20.1	21.4	22.0
	3H	24.9	26.1	25.5	26.7	27.4	20.9	22.1	21.5	22.7	23.4
	4H	26.4	27.6	27.1	28.2	28.9	21.5	22.6	22.1	23.2	23.9
	6H	28.2	29.3	28.8	29.9	30.6	21.8	22.9	22.4	23.5	24.3
	8H	29.2	30.2	29.8	30.8	31.6	21.9	22.9	22.5	23.6	24.3
	12H	30.3	31.3	30.9	31.9	32.7	21.9	22.9	22.6	23.6	24.3
4H	2H	22.7	23.8	23.3	24.4	25.1	20.8	22.0	21.4	22.6	23.3
	3H	25.7	26.7	26.4	27.4	28.1	22.6	23.6	23.3	24.3	25.0
	4H	27.5	28.4	28.2	29.1	29.9	23.4	24.3	24.1	25.0	25.8
	6H	29.4	30.3	30.1	31.0	31.8	24.0	24.8	24.7	25.5	26.3
	8H	30.5	31.3	31.2	32.0	32.9	24.2	25.0	24.9	25.7	26.5
	12H	31.8	32.5	32.5	33.2	34.1	24.3	25.0	25.0	25.8	26.6
8H	4H	27.8	28.6	28.5	29.3	30.2	24.7	25.5	25.4	26.2	27.0
	6H	30.1	30.8	30.9	31.5	32.4	25.8	26.4	26.5	27.2	28.0
	8H	31.4	32.0	32.2	32.8	33.7	26.2	26.8	27.0	27.6	28.5
	12H	32.9	33.5	33.7	34.2	35.2	26.6	27.1	27.4	27.9	28.8
12H	4H	27.8	28.6	28.6	29.3	30.2	25.1	25.9	25.9	26.6	27.4
	6H	30.2	30.8	31.0	31.6	32.5	26.5	27.1	27.2	27.8	28.7
	8H	31.7	32.2	32.4	33.0	33.9	27.2	27.7	27.9	28.5	29.4
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, 460.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.7)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-16

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:0.6192A P:14.86W PF:1.000 Freq:50.00Hz Lamp Flux:460.145x1 lm		
NAME: SF21-24V-5050-70-DMX3-3000K	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121601
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

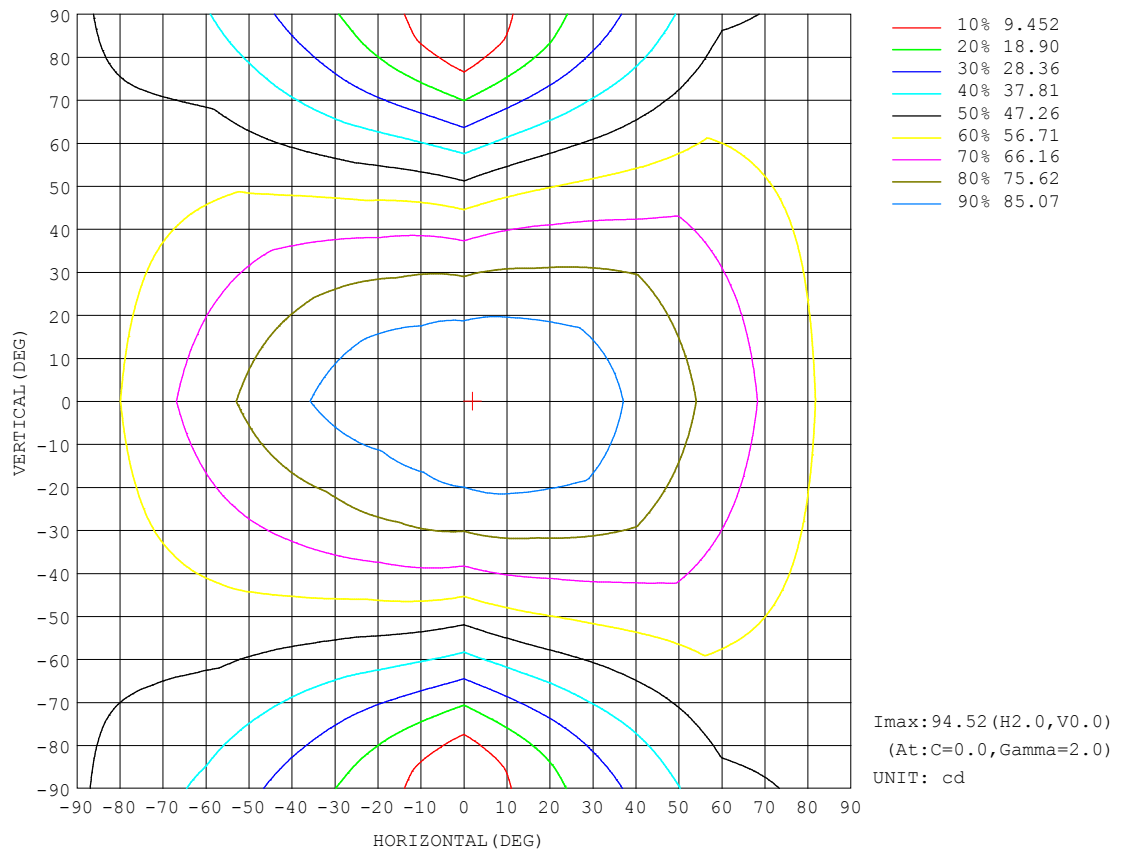
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	34	27	45	33	26	43	32	26	19
0.80	55	42	34	54	42	34	51	40	33	25
1.00	63	50	42	61	49	41	57	49	40	30
1.25	70	57	49	67	56	48	63	53	46	36
1.50	75	63	54	72	61	53	67	57	50	39
2.00	82	71	63	79	69	61	73	64	58	45
2.50	87	77	68	83	74	66	76	69	63	49
3.00	91	81	74	87	78	71	79	73	67	52
4.00	95	87	81	91	84	78	83	77	73	57
5.00	99	91	85	94	88	82	86	81	76	60
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:2021-12-16

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:0.6192A P:14.86W PF:1.000 Freq:50.00Hz Lamp Flux:460.145x1 lm		
NAME: SF21-24V-5050-70-DMX3-3000K	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121601
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

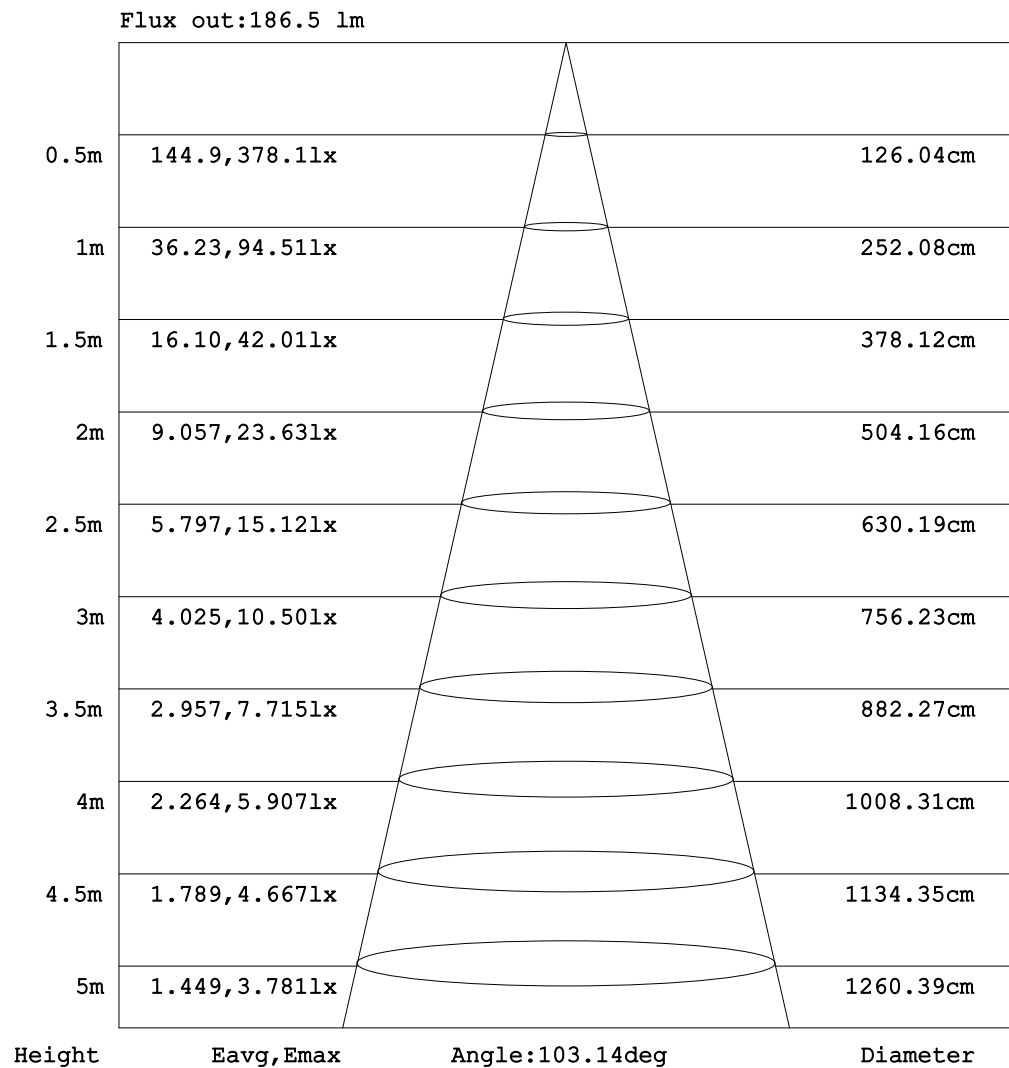


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-12-16

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:0.6192A P:14.86W PF:1.000 Freq:50.00Hz Lamp Flux:460.145x1 lm		
NAME: SF21-24V-5050-70-DMX3-3000K	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121601
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



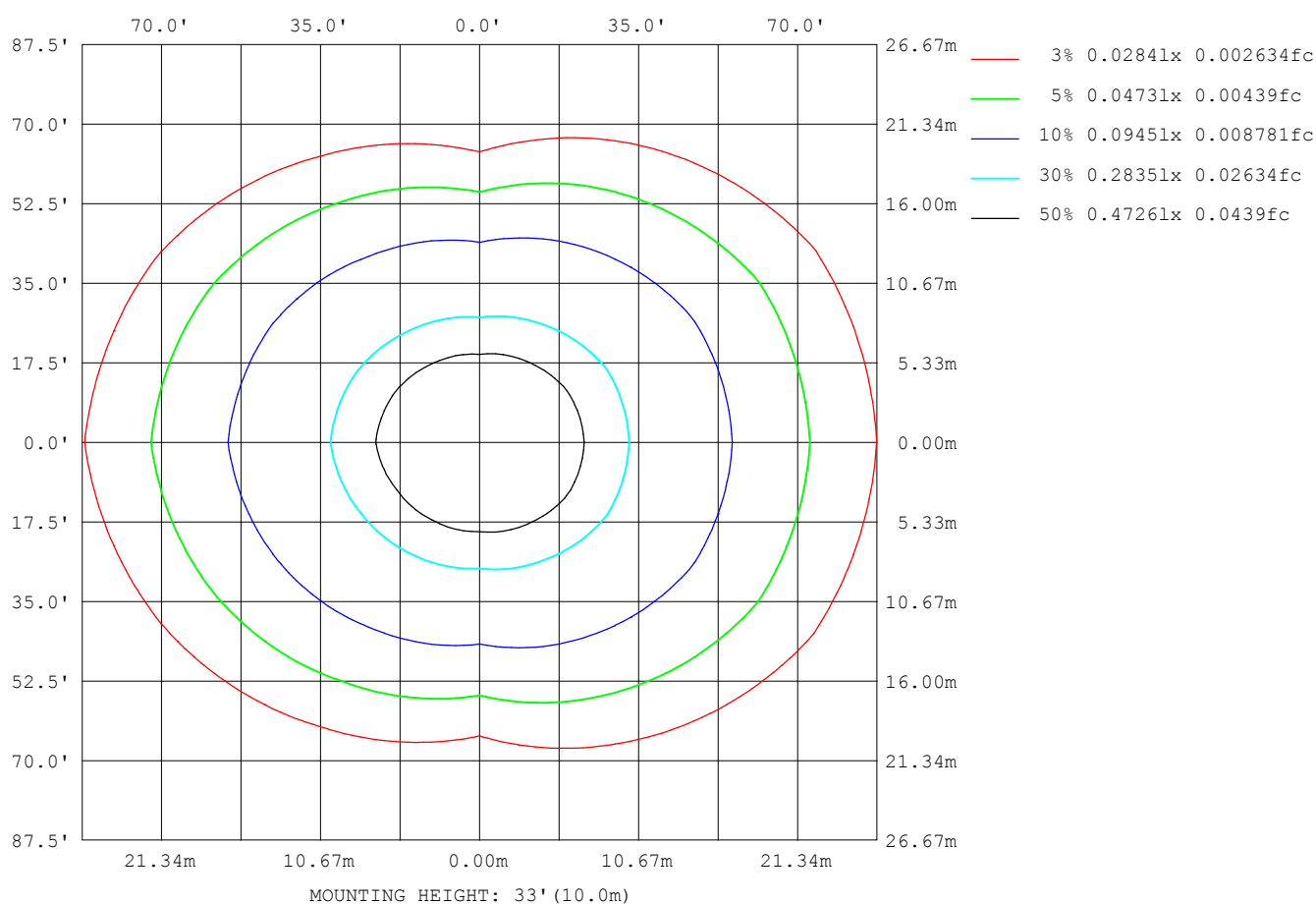
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-16

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:0.6192A P:14.86W PF:1.000 Freq:50.00Hz Lamp Flux:460.145x1 lm		
NAME: SF21-24V-5050-70-DMX3-3000K	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121601
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: 2021-12-16

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:0.6192A P:14.86W PF:1.000 Freq:50.00Hz Lamp Flux:460.145x1 lm		
NAME: SF21-24V-5050-70-DMX3-3000K	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121601
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

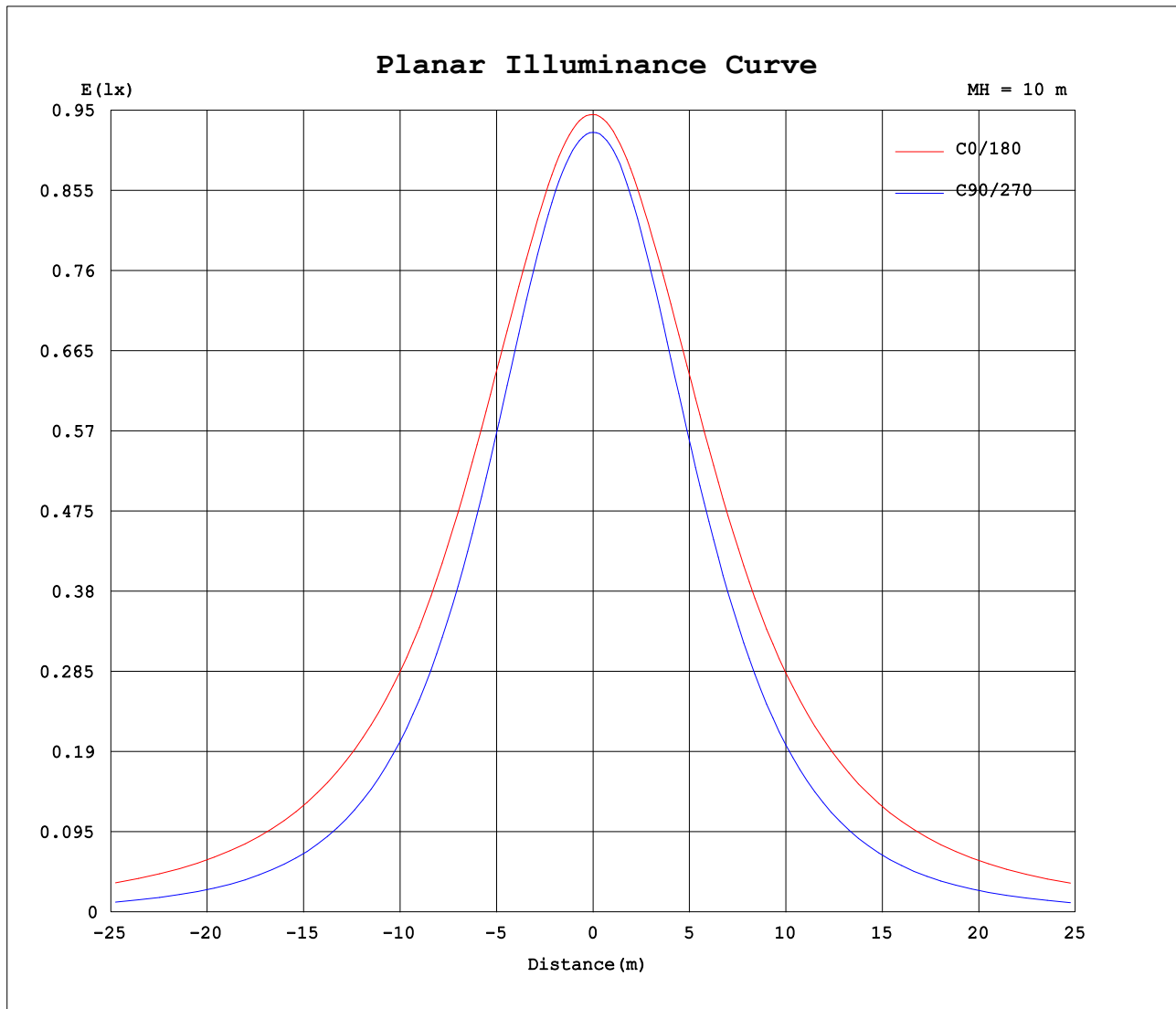
AvgL	cd/m2
L_0~180 (65) av	10044
L_0~180 (75) av	14715
L_0~180 (85) av	38357
L_90~270 (65) av	3983
L_90~270 (75) av	2914
L_90~270 (85) av	1133
L_45 (65) av	7674
L_45 (75) av	10432
L_45 (85) av	25457

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-16

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: 2021-12-16

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:0.6192A P:14.86W PF:1.000 Freq:50.00Hz Lamp Flux:460.145x1 lm		
NAME: SF21-24V-5050-70-DMX3-3000K	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021121601
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	94.5	94.0	93.1	92.4	92.0	91.8	94.5	94.0	93.1	92.4	92.0	91.8						
5	94.4	94.0	93.1	91.9	91.2	90.8	94.2	93.2	92.3	92.0	92.0	92.2						
10	93.7	93.5	92.2	90.7	89.6	89.5	93.3	92.0	90.9	90.3	91.1	92.0						
15	92.7	92.5	90.5	88.3	87.3	88.0	92.1	90.4	88.2	87.6	89.2	91.1						
20	91.4	90.9	87.9	85.1	84.4	86.1	90.9	88.5	85.1	83.9	86.5	89.6						
25	90.1	89.0	84.6	80.9	81.0	83.7	89.5	86.2	81.5	79.6	83.1	87.8						
30	88.3	86.8	80.6	75.9	77.1	80.8	87.7	83.5	77.6	74.6	79.3	85.7						
35	86.1	84.3	76.2	70.2	72.6	77.5	85.4	80.3	73.2	68.9	75.3	83.5						
40	83.4	81.3	71.4	63.9	67.7	74.1	82.8	76.8	68.3	62.7	71.0	81.0						
45	80.6	78.0	66.5	57.2	62.5	70.7	80.2	73.3	63.1	56.0	66.3	77.9						
50	78.0	74.2	61.5	50.2	56.9	66.9	77.4	69.7	57.5	49.0	61.3	74.5						
55	75.0	70.7	56.2	42.8	51.3	63.0	74.3	65.7	51.9	41.6	56.1	70.8						
60	71.7	67.1	50.7	35.3	45.7	59.0	70.9	61.6	46.4	33.9	50.7	67.4						
65	68.4	63.3	45.1	27.6	40.1	55.1	67.4	57.7	40.8	26.2	45.2	63.9						
70	65.0	59.3	39.9	20.0	34.8	51.2	64.0	53.8	35.4	18.7	39.9	60.2						
75	61.5	55.5	34.9	12.7	29.9	47.3	60.3	49.9	30.5	11.5	35.0	56.5						
80	58.0	51.9	30.3	6.38	25.7	43.4	56.6	46.2	26.3	5.27	30.3	52.9						
85	54.3	48.3	26.5	1.97	22.0	39.5	52.7	42.2	22.6	1.19	26.4	49.4						
90	50.5	44.7	23.5	1.29	19.0	35.9	48.6	38.4	19.4	0.91	23.3	45.9						
95	46.6	41.2	21.2	1.36	16.7	32.6	44.6	35.0	17.0	0.92	21.0	42.7						
100	41.9	34.8	19.3	1.48	15.2	27.3	40.0	29.2	15.3	1.06	19.2	36.0						
105	38.3	32.7	16.7	1.58	11.4	25.6	36.5	27.2	11.6	1.17	16.3	34.1						
110	35.1	30.3	15.7	1.65	10.9	22.7	33.2	24.5	10.9	1.18	15.9	31.8						
115	32.1	28.1	15.1	1.76	10.1	20.4	29.1	22.6	9.92	1.23	13.9	29.5						
120	29.5	26.0	13.0	1.86	9.34	18.7	26.6	20.5	9.26	1.33	13.2	27.4						
125	27.0	24.2	11.0	1.97	8.69	17.1	24.3	18.5	8.79	1.52	12.1	25.4						
130	24.7	21.6	9.46	2.05	8.00	15.5	22.0	16.8	8.19	1.73	11.1	22.8						
135	22.2	17.2	8.41	2.13	7.41	13.5	19.6	14.1	7.76	1.98	9.89	18.6						
140	19.6	13.7	7.87	2.18	6.70	12.0	15.3	12.5	7.01	2.23	8.65	14.9						
145	17.0	11.3	7.31	2.23	5.94	10.2	14.5	11.6	6.27	2.47	7.81	12.9						
150	14.5	9.28	6.72	2.46	5.03	8.93	12.5	9.87	5.88	2.78	6.94	10.7						
155	12.4	7.86	6.68	2.56	4.04	7.51	11.2	8.48	4.59	2.97	6.81	9.27						
160	10.2	6.61	6.68	2.69	2.88	6.10	9.26	7.36	3.73	3.11	6.96	7.58						
165	8.69	5.45	6.59	2.82	2.26	4.30	7.35	5.61	2.41	3.26	6.72	6.35						
170	4.62	5.31	6.18	2.88	2.24	2.38	3.71	4.21	2.33	3.33	6.26	6.19						
175	3.86	4.95	5.82	2.95	2.21	2.21	2.91	2.28	2.24	3.43	5.98	5.97						
180	2.29	2.27	2.56	2.93	3.42	2.94	2.29	2.27	2.21	3.57	3.38	2.90						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-16

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	94.51	93.98	93.10	92.40	92.03	91.75	94.51	93.98	93.10	92.40
3.0	94.52	94.04	93.16	92.22	91.60	91.25	94.37	93.60	92.74	92.25
6.0	94.28	93.93	92.97	91.76	90.90	90.53	94.05	93.00	92.11	91.77
9.0	93.91	93.61	92.46	90.99	89.98	89.76	93.53	92.26	91.23	90.78
12.0	93.36	93.12	91.68	89.83	88.82	88.86	92.89	91.38	89.81	89.33
15.0	92.65	92.46	90.52	88.34	87.32	87.98	92.14	90.37	88.22	87.57
18.0	91.84	91.60	89.07	86.52	85.64	86.89	91.37	89.31	86.39	85.59
21.0	91.12	90.53	87.31	84.22	83.77	85.68	90.64	88.12	84.38	83.05
24.0	90.34	89.39	85.30	81.85	81.70	84.22	89.78	86.67	82.24	80.56
27.0	89.43	88.06	83.08	78.89	79.49	82.60	88.80	85.15	79.96	77.58
30.0	88.34	86.82	80.62	75.88	77.06	80.85	87.66	83.47	77.55	74.61
33.0	87.06	85.36	77.97	72.49	74.43	78.85	86.38	81.62	74.97	71.28
36.0	85.62	83.74	75.22	68.91	71.66	76.74	84.95	79.66	72.22	67.74
39.0	83.98	82.01	72.39	65.27	68.73	74.72	83.36	77.51	69.30	63.97
42.0	82.23	80.09	69.47	61.35	65.69	72.79	81.69	75.32	66.26	60.09
45.0	80.63	77.96	66.53	57.23	62.50	70.68	80.19	73.31	63.08	56.04
48.0	79.10	75.75	63.52	53.02	59.15	68.47	78.60	71.18	59.79	51.84
51.0	77.43	73.49	60.50	48.73	55.72	66.13	76.81	68.92	56.41	47.52
54.0	75.63	71.42	57.32	44.27	52.37	63.73	74.91	66.57	52.97	43.12
57.0	73.72	69.35	54.05	39.76	49.07	61.31	72.92	64.12	49.67	38.56
60.0	71.73	67.10	50.72	35.30	45.73	59.00	70.88	61.64	46.36	33.90
63.0	69.73	64.78	47.37	30.63	42.38	56.61	68.81	59.26	43.01	29.37
66.0	67.74	62.45	44.03	26.07	39.04	54.28	66.76	56.93	39.70	24.80
69.0	65.64	60.11	40.92	21.47	35.81	51.98	64.67	54.57	36.44	20.22
72.0	63.58	57.80	37.91	16.93	32.77	49.59	62.52	52.26	33.40	15.77
75.0	61.52	55.50	34.93	12.65	29.94	47.35	60.35	49.94	30.55	11.48
78.0	59.41	53.31	32.08	8.744	27.32	45.04	58.12	47.63	27.91	7.484
81.0	57.27	51.16	29.47	5.374	24.95	42.61	55.87	45.40	25.50	4.225
84.0	55.05	48.96	27.18	2.662	22.72	40.30	53.51	43.03	23.29	1.490
87.0	52.79	46.85	25.21	1.402	20.73	38.07	51.00	40.66	21.23	0.9607
90.0	50.50	44.66	23.53	1.287	19.00	35.91	48.55	38.45	19.44	0.9116
93.0	48.12	42.63	22.09	1.327	17.51	33.84	46.18	36.32	17.89	0.9213
96.0	45.80	40.49	20.76	1.377	16.34	31.97	43.87	34.29	16.63	0.9297
99.0	43.49	38.24	19.64	1.428	15.43	27.66	40.80	29.59	15.63	0.9948
102.0	40.43	34.06	18.50	1.521	13.61	26.67	38.58	28.40	14.01	1.136
105.0	38.35	32.71	16.71	1.577	11.44	25.58	36.49	27.21	11.62	1.166
108.0	36.38	31.31	16.43	1.633	11.06	24.50	34.48	26.05	11.39	1.172
111.0	34.48	29.83	15.64	1.664	10.75	22.17	32.50	24.16	10.63	1.180
114.0	32.70	28.53	15.23	1.734	10.24	20.78	29.63	23.11	10.00	1.201
117.0	31.04	27.26	14.61	1.804	9.787	19.60	28.06	21.79	9.629	1.251
120.0	29.47	26.04	12.99	1.865	9.345	18.68	26.60	20.48	9.257	1.327
123.0	27.97	24.91	11.80	1.930	8.952	17.74	25.20	19.25	9.109	1.432
126.0	26.54	23.80	10.67	1.985	8.466	16.80	23.83	18.07	8.546	1.563
129.0	25.13	22.38	9.759	2.031	8.071	15.82	22.40	17.10	8.232	1.693
132.0	23.71	20.01	8.984	2.081	7.786	14.75	21.03	16.03	8.111	1.839
135.0	22.25	17.17	8.415	2.126	7.414	13.52	19.63	14.13	7.763	1.985
138.0	20.70	15.08	8.068	2.161	7.037	12.53	17.05	13.13	7.281	2.136
141.0	19.11	13.14	7.746	2.191	6.516	11.63	15.77	12.49	6.878	2.286
144.0	17.50	11.77	7.429	2.206	6.058	10.37	14.90	11.77	6.367	2.432
147.0	15.94	10.55	7.057	2.272	5.651	9.748	13.27	10.85	6.081	2.603
150.0	14.53	9.284	6.720	2.458	5.033	8.928	12.48	9.873	5.878	2.779
153.0	13.23	8.315	6.574	2.518	4.440	8.114	10.35	9.003	5.248	2.894
156.0	12.00	7.602	6.699	2.588	3.862	7.215	10.84	8.229	4.330	3.010
159.0	10.52	6.863	6.682	2.664	3.089	6.400	9.764	7.575	3.833	3.091
162.0	9.753	6.079	6.665	2.739	2.525	5.404	8.579	6.729	3.375	3.166
165.0	8.689	5.448	6.589	2.820	2.257	4.305	7.348	5.606	2.410	3.256
168.0	4.936	5.417	6.368	2.865	2.242	3.113	4.411	4.777	2.361	3.292
171.0	4.464	5.246	6.097	2.905	2.227	2.231	3.411	3.842	2.311	3.347
174.0	4.012	5.020	5.876	2.930	2.221	2.210	3.069	2.352	2.261	3.412
177.0	3.510	4.718	5.765	2.955	2.186	2.201	2.595	2.277	2.211	3.502
180.0	2.292	2.272	2.563	2.930	3.418	2.935	2.287	2.272	2.211	3.568
G/C	300.0	330.0								
0.0	92.03	91.75								
3.0	92.09	92.08								
6.0	91.93	92.20								
9.0	91.48	92.12								
12.0	90.45	91.80								
15.0	89.21	91.07								
18.0	87.69	90.22								
21.0	85.87	89.25								
24.0	83.79	88.17								
27.0	81.59	87.02								
30.0	79.33	85.74								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-16

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:

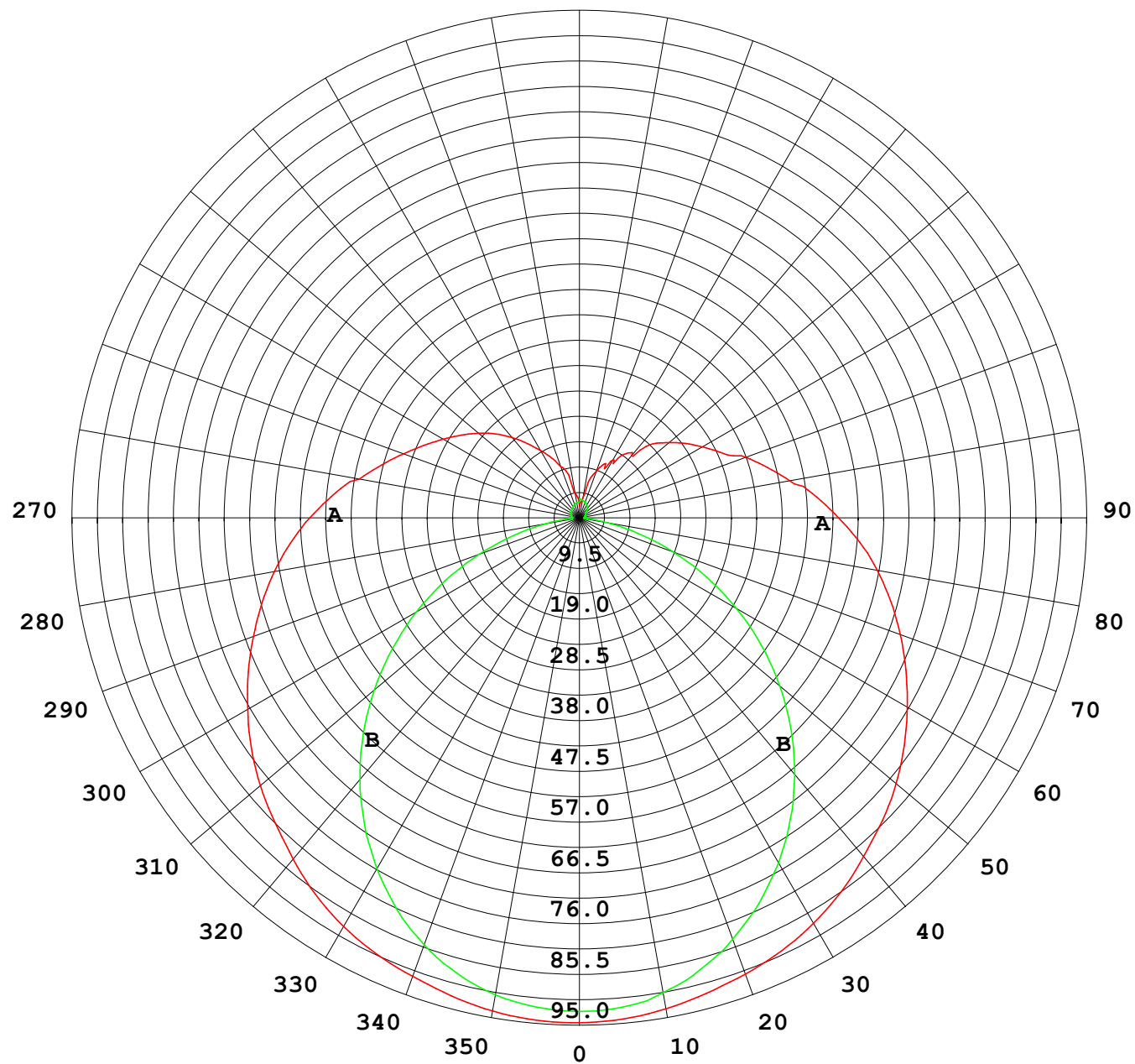
Photometric Data Table [cd]

33.0	76.94	84.43
36.0	74.45	83.04
39.0	71.88	81.48
42.0	69.21	79.76
45.0	66.32	77.94
48.0	63.31	75.92
51.0	60.30	73.75
54.0	57.19	71.54
57.0	54.01	69.47
60.0	50.74	67.45
63.0	47.42	65.36
66.0	44.08	63.18
69.0	40.88	60.94
72.0	37.88	58.68
75.0	34.95	56.47
78.0	32.11	54.25
81.0	29.43	52.24
84.0	27.06	50.09
87.0	25.05	48.02
90.0	23.33	45.95
93.0	21.89	44.02
96.0	20.59	42.09
99.0	19.48	37.62
102.0	18.49	35.34
105.0	16.29	34.11
108.0	16.05	32.69
111.0	15.15	31.35
114.0	14.89	29.91
117.0	13.67	28.59
120.0	13.23	27.36
123.0	12.48	26.23
126.0	11.93	25.01
129.0	11.30	23.49
132.0	10.61	21.45
135.0	9.892	18.65
138.0	9.079	16.57
141.0	8.466	13.83
144.0	7.954	13.27
147.0	7.486	12.05
150.0	6.938	10.71
153.0	6.690	9.933
156.0	6.861	8.949
159.0	6.956	7.928
162.0	6.945	6.869
165.0	6.719	6.354
168.0	6.492	6.268
171.0	6.216	6.151
174.0	6.005	6.011
177.0	5.837	5.701
180.0	3.382	2.905

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-16

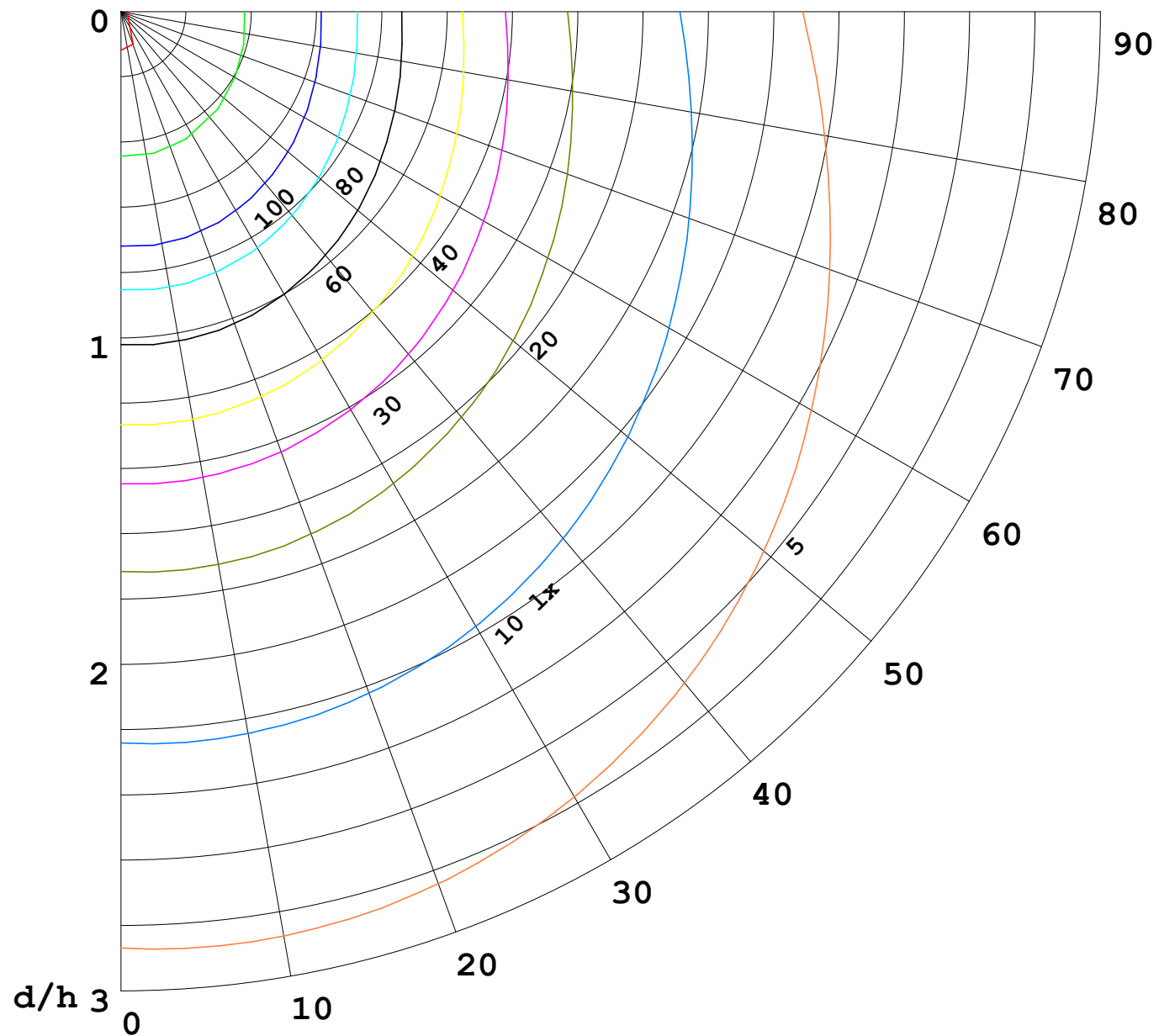
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

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

