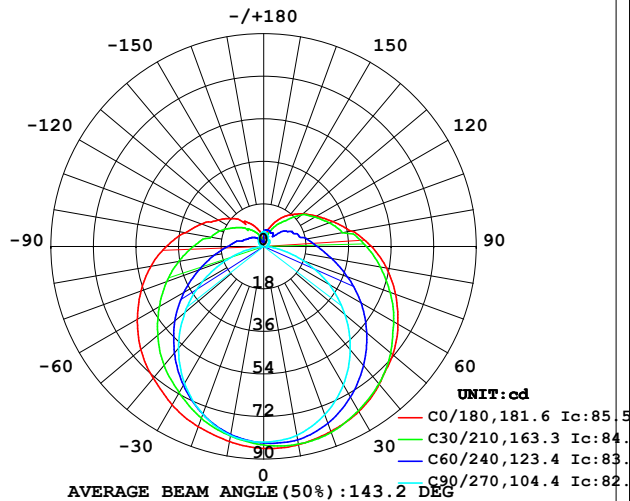


LUMINAIRE PHOTOMETRIC TEST REPORT

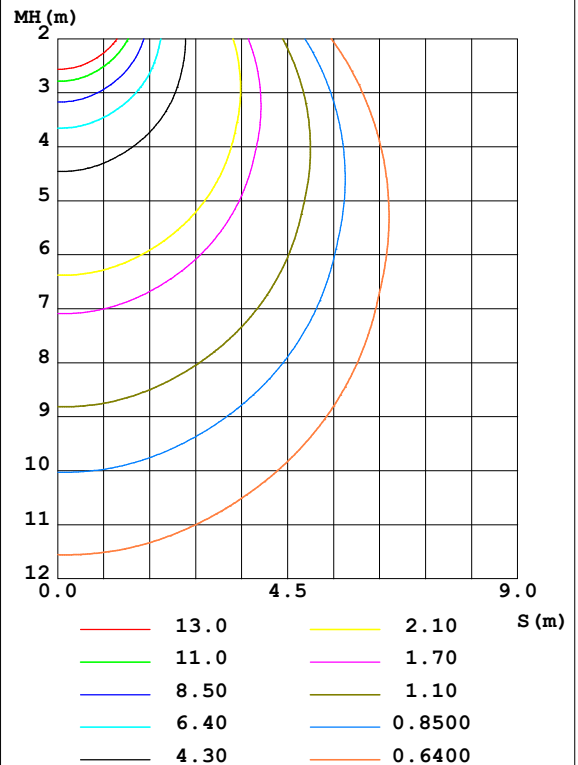
Test:U:24.00V I:0.6577A P:15.78W PF:1.000 Freq:50.00Hz Lamp Flux:411.806x1 lm		
NAME: SF21-24V-2835-120-2200+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120808
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 26.09 lm/W			
MODEL	2835	I _{max} (cd)	85.59	S/MH (C0/180)	1.36
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	1.21
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	411.81	η UP, DN (C0-180)	11.2, 38.9
NOMINAL FLUX (lm)	411.806	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	11.2, 38.8
LAMPS INSIDE	1	η up (%)	22.3	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	24	η down (%)	77.7	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: 2021-12-08

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	85.18	84.01	81.15	80.09	83.80	81.07	81.12	83.37	0- 10	7.915	7.915	1.92,1.92
20	83.26	81.65	75.73	75.15	81.13	76.39	75.55	81.23	10- 20	22.83	30.74	7.47,7.47
30	80.63	76.89	67.55	68.49	77.42	69.70	66.99	76.96	20- 30	35.10	65.84	16,16
40	76.11	70.83	57.01	60.91	72.74	62.19	56.15	71.42	30- 40	43.66	109.5	26.6,26.6
50	71.28	63.54	44.96	52.54	67.87	53.86	43.53	64.60	40- 50	48.03	157.5	38.3,38.3
60	65.62	55.54	31.89	43.73	61.74	44.99	30.13	56.59	50- 60	48.08	205.6	49.9,49.9
70	59.40	47.35	18.21	35.23	55.29	36.42	16.37	48.69	60- 70	44.43	250.0	60.7,60.7
80	52.79	39.64	6.018	27.76	48.47	28.83	4.566	41.00	70- 80	38.25	288.3	70,70
90	45.63	33.10	1.226	21.76	41.18	22.55	0.8862	34.43	80- 90	31.49	319.8	77.7,77.7
100	37.54	26.18	1.373	16.81	33.66	17.39	1.090	27.42	90-100	25.87	345.6	83.9,83.9
110	31.03	22.44	1.800	13.55	28.01	14.11	1.407	23.20	100-110	20.08	365.7	88.8,88.8
120	25.75	18.99	2.368	10.71	22.44	11.41	2.160	19.38	110-120	15.72	381.4	92.6,92.6
130	21.51	15.36	2.905	8.807	18.52	9.260	2.849	16.33	120-130	11.94	393.4	95.5,95.5
140	17.47	10.07	3.368	6.810	13.52	7.247	3.422	11.90	130-140	8.237	401.6	97.5,97.5
150	13.54	8.371	4.042	4.604	11.19	5.176	4.100	9.348	140-150	5.222	406.8	98.8,98.8
160	9.323	6.424	4.976	3.324	8.018	3.856	4.995	7.723	150-160	3.070	409.9	99.5,99.5
170	3.886	6.140	5.810	2.123	3.385	2.137	5.840	7.067	160-170	1.469	411.4	99.9,99.9
180	2.146	3.928	6.136	6.003	2.136	3.654	6.398	5.978	170-180	0.4233	411.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 133.24 lm

%lum = 32.4%

%lamp = 32.4%

Conical surface Flux(120deg): 205.62 lm

%lum = 49.9%

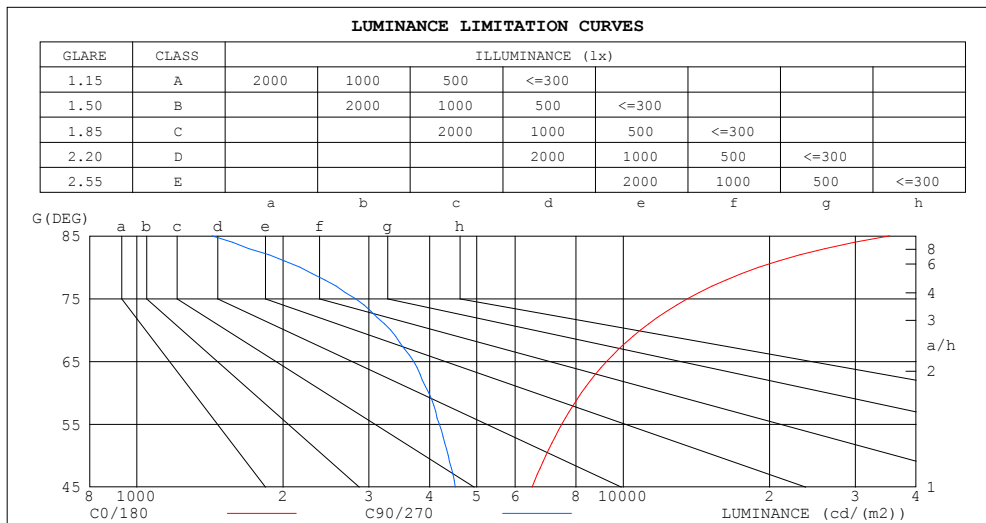
%lamp = 49.9%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-08

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:0.6577A P:15.78W PF:1.000 Freq:50.00Hz Lamp Flux:411.806x1 lm		
NAME: SF21-24V-2835-120-2200+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120808
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	35315	1427
80	19001	2166
75	13562	2815
70	10854	3327
65	9245	3707
60	8202	3986
55	7479	4189
50	6930	4372
45	6495	4518

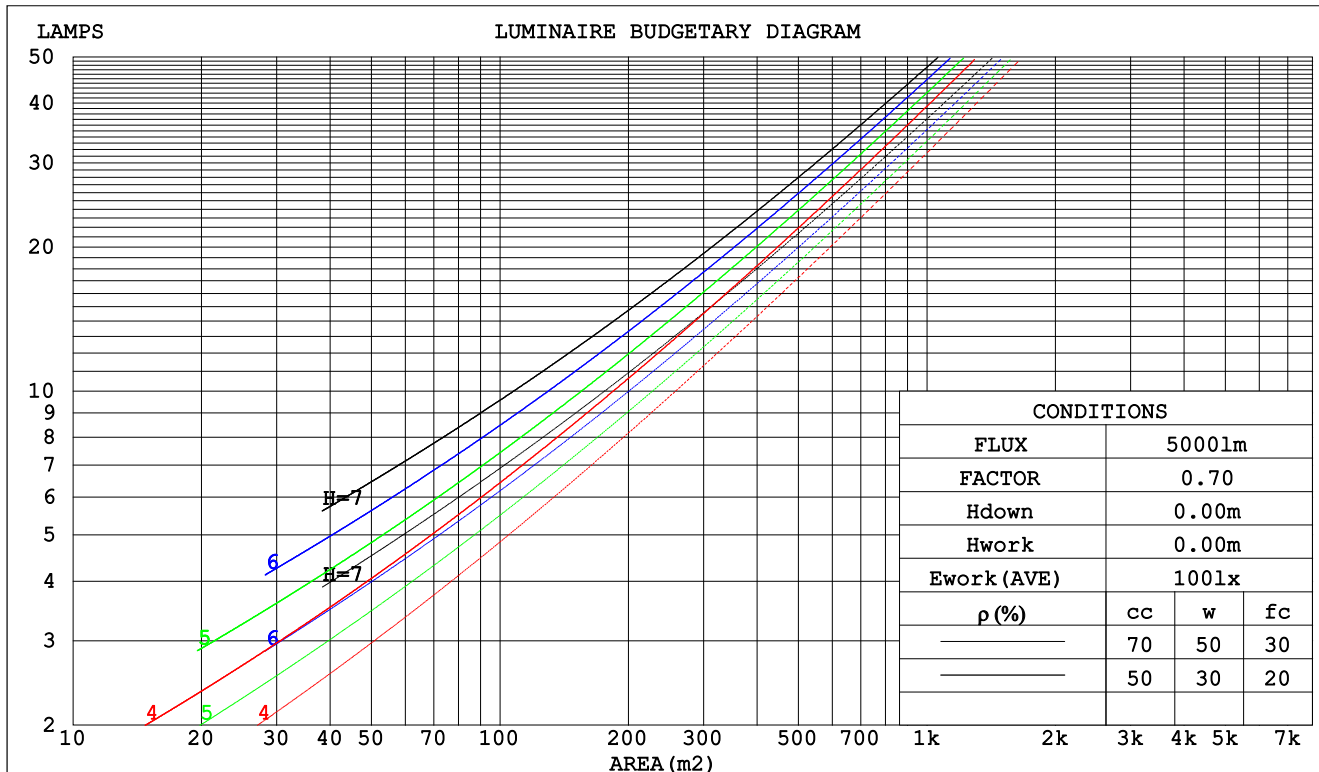
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-08

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:0.6577A P:15.78W PF:1.000 Freq:50.00Hz Lamp Flux:411.806x1 lm		
NAME: SF21-24V-2835-120-2200+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120808
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	.82	.82	.82	.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	.45	.49	.45	.41	.38
4.0	.61	.52	.45	.59	.50	.43	.53	.46	.40	.48	.42	.37	.44	.39	.35	.32
5.0	.55	.45	.38	.52	.43	.37	.47	.40	.34	.43	.37	.32	.39	.34	.30	.27
6.0	.49	.40	.33	.47	.38	.32	.43	.35	.30	.39	.33	.28	.35	.30	.26	.23
7.0	.44	.35	.29	.42	.34	.28	.39	.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	.37	.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:2021-12-08

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:0.6577A P:15.78W PF:1.000 Freq:50.00Hz Lamp Flux:411.806x1 lm		
NAME: SF21-24V-2835-120-2200+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120808
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	.219	.070	.372	.212	.067	.346	.198	.063	.321	.185	.059	.299	.173	.056		
2.0	.333	.182	.056	.320	.176	.054	.296	.165	.051	.274	.154	.048	.254	.144	.045		
3.0	.295	.157	.047	.283	.152	.046	.262	.142	.043	.242	.133	.041	.223	.124	.038		
4.0	.265	.138	.041	.255	.133	.039	.235	.125	.037	.217	.116	.035	.200	.109	.033		
5.0	.241	.123	.036	.231	.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	.203	.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	.164	.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	.308	.308	.308	.210	.210	.210	.121	.121	.121	.039	.039	.039		
1.0	.357	.327	.300	.306	.281	.258	.209	.193	.179	.120	.112	.104	.039	.036	.034		
2.0	.350	.305	.266	.300	.262	.230	.206	.181	.160	.119	.106	.094	.038	.034	.031		
3.0	.343	.288	.245	.294	.249	.212	.202	.173	.149	.117	.101	.088	.037	.033	.029		
4.0	.335	.276	.230	.288	.238	.200	.198	.166	.141	.114	.097	.083	.037	.032	.027		
5.0	.328	.266	.221	.281	.230	.192	.194	.161	.136	.112	.094	.080	.036	.031	.027		
6.0	.320	.258	.214	.275	.224	.186	.190	.157	.132	.110	.092	.078	.036	.030	.026		
7.0	.313	.252	.209	.269	.218	.182	.186	.153	.129	.108	.090	.077	.035	.030	.025		
8.0	.307	.246	.205	.264	.214	.179	.183	.150	.127	.106	.088	.075	.034	.029	.025		
9.0	.300	.241	.202	.259	.210	.176	.179	.147	.125	.104	.087	.075	.034	.029	.025		
10.0	.295	.237	.199	.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:2021-12-08

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:0.6577A P:15.78W PF:1.000 Freq:50.00Hz Lamp Flux:411.806x1 lm										
NAME: SF21-24V-2835-120-2200+5700-80					TYPE: 硅胶			WEIGHT:		
SPEC.:					DIM.: 28mm*11.5mm			SERIAL No.:2021120808		
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	22.4	23.7	22.9	24.3	24.9	19.7	21.0	20.3	21.6	22.3
3H	25.1	26.4	25.7	27.0	27.7	21.2	22.4	21.8	23.0	23.7
4H	26.7	27.9	27.3	28.5	29.2	21.7	22.9	22.3	23.5	24.2
6H	28.4	29.5	29.0	30.1	30.9	22.1	23.2	22.7	23.8	24.5
8H	29.4	30.4	30.0	31.1	31.8	22.2	23.2	22.8	23.9	24.6
12H	30.5	31.5	31.1	32.1	32.9	22.2	23.2	22.8	23.9	24.6
4H 2H	23.0	24.1	23.6	24.7	25.5	21.1	22.3	21.7	22.9	23.6
3H	26.0	27.1	26.7	27.7	28.5	22.9	23.9	23.6	24.6	25.3
4H	27.8	28.7	28.5	29.4	30.2	23.7	24.6	24.4	25.3	26.1
6H	29.7	30.6	30.4	31.3	32.1	24.3	25.2	25.0	25.9	26.7
8H	30.8	31.6	31.5	32.3	33.1	24.6	25.3	25.3	26.0	26.9
12H	32.0	32.7	32.7	33.5	34.3	24.7	25.4	25.4	26.1	27.0
8H 4H	28.2	29.0	28.9	29.7	30.5	25.1	25.9	25.8	26.6	27.4
6H	30.5	31.1	31.2	31.9	32.7	26.2	26.8	26.9	27.6	28.5
8H	31.8	32.3	32.5	33.1	34.0	26.7	27.3	27.4	28.0	28.9
12H	33.2	33.8	34.0	34.5	35.5	27.1	27.6	27.8	28.3	29.3
12H 4H	28.2	28.9	28.9	29.6	30.5	25.5	26.3	26.3	27.0	27.8
6H	30.6	31.2	31.3	31.9	32.8	26.9	27.5	27.7	28.3	29.2
8H	32.0	32.5	32.8	33.3	34.2	27.6	28.1	28.4	28.9	29.8
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 / - 0.5				

CIE Pub.117, 411.8 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -3.1$)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-08

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:0.6577A P:15.78W PF:1.000 Freq:50.00Hz Lamp Flux:411.806x1 lm		
NAME: SF21-24V-2835-120-2200+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120808
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

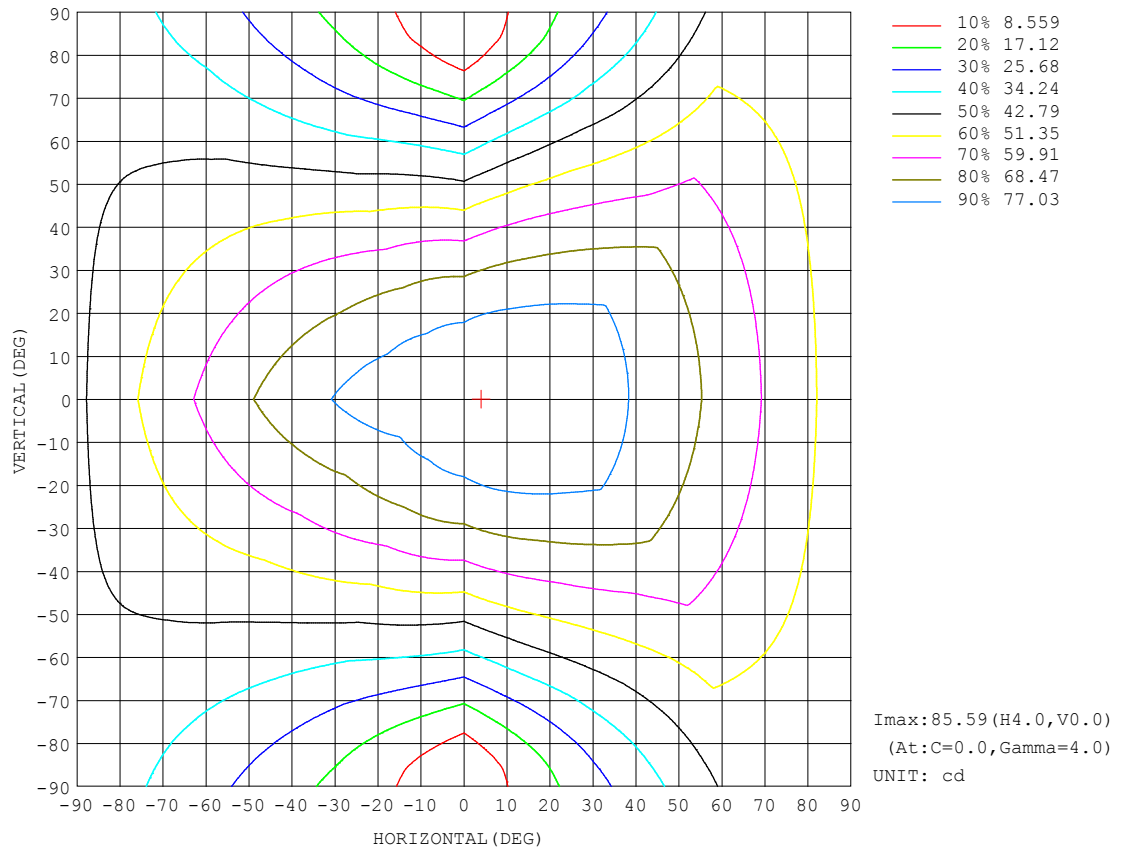
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	34	27	45	34	27	43	32	26	19
0.80	55	42	34	54	42	34	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	67	76	69	63	49
3.00	91	81	74	87	78	71	79	73	67	52
4.00	96	87	81	91	84	78	83	78	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:2021-12-08

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:0.6577A P:15.78W PF:1.000 Freq:50.00Hz Lamp Flux:411.806x1 lm		
NAME: SF21-24V-2835-120-2200+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120808
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

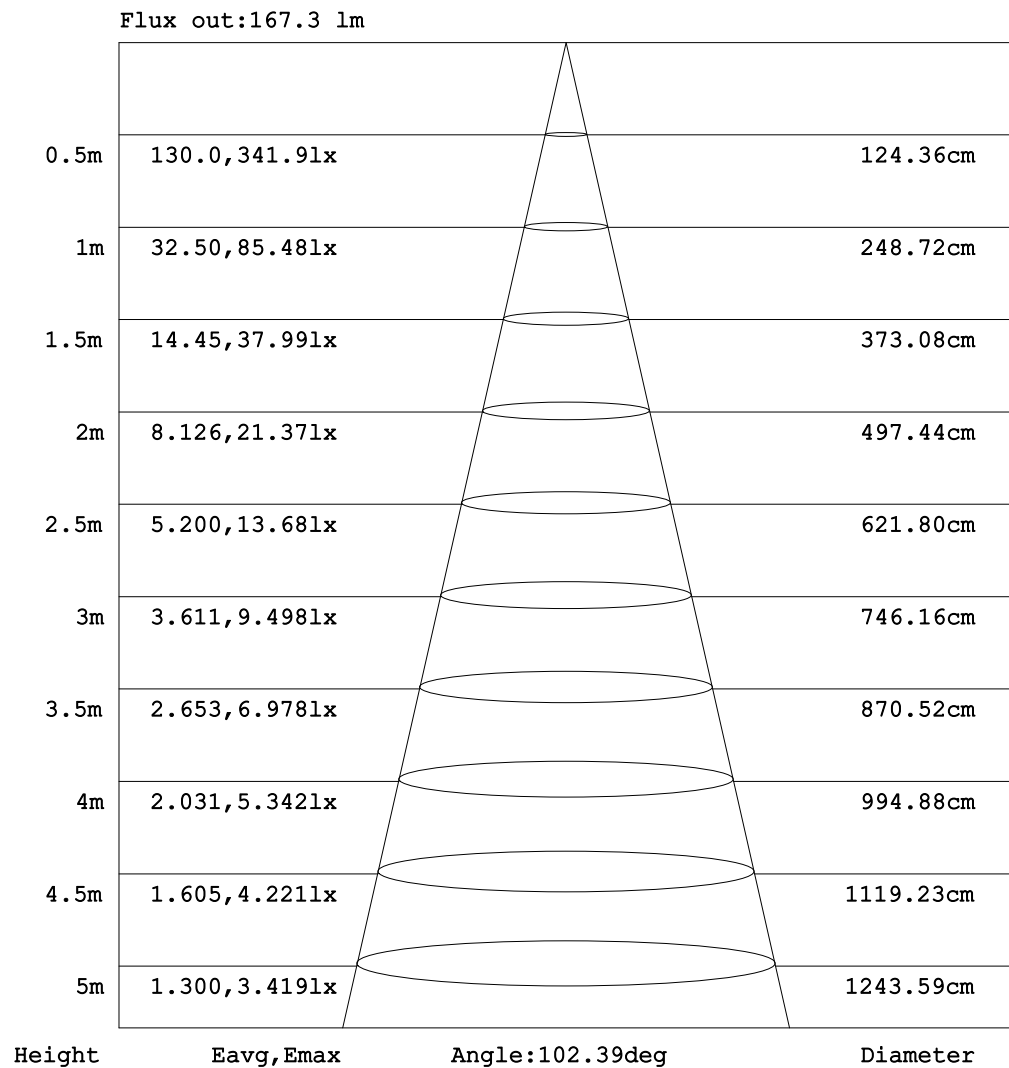


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-12-08

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:0.6577A P:15.78W PF:1.000 Freq:50.00Hz Lamp Flux:411.806x1 lm		
NAME: SF21-24V-2835-120-2200+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120808
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



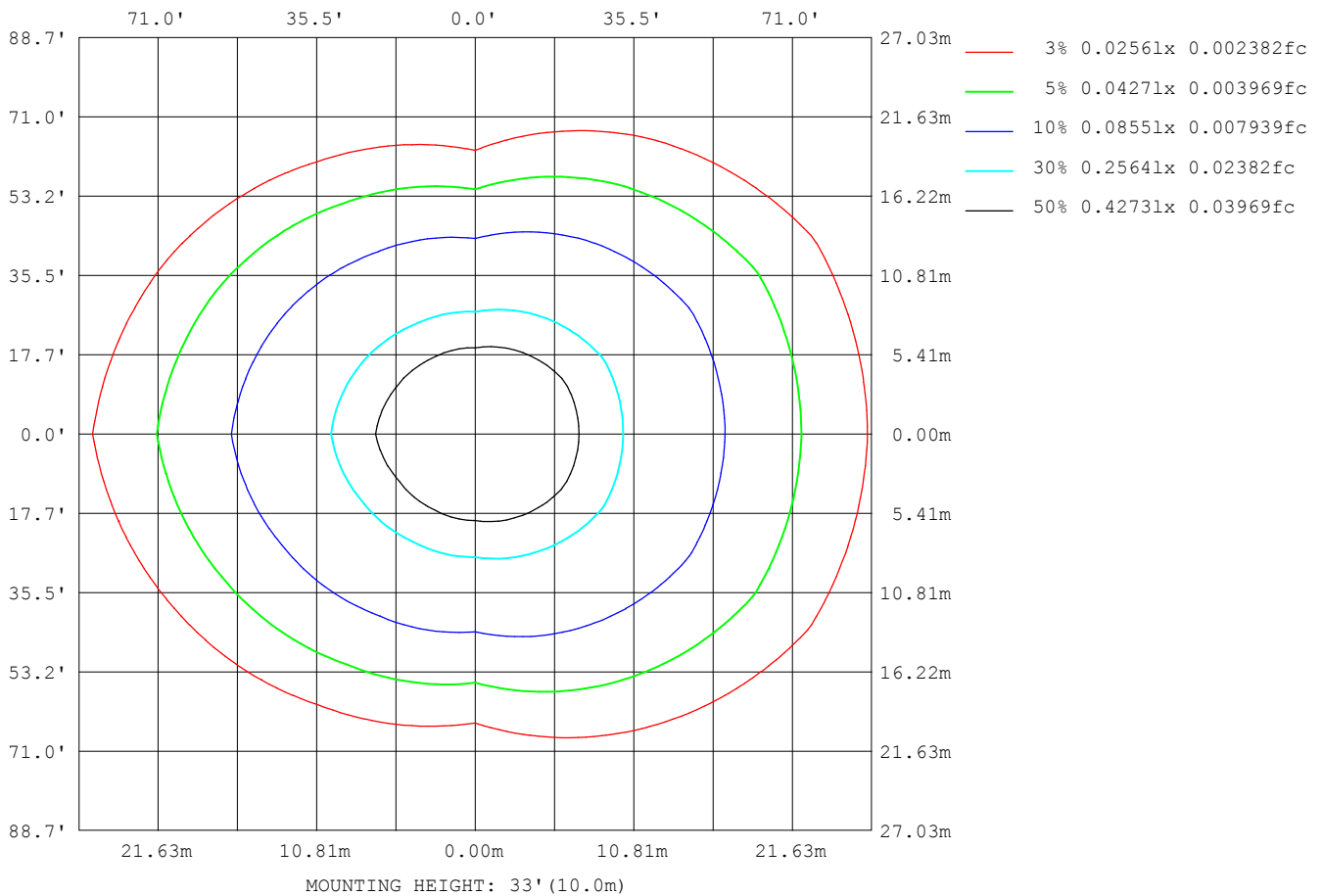
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-08

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:0.6577A P:15.78W PF:1.000 Freq:50.00Hz Lamp Flux:411.806x1 lm		
NAME: SF21-24V-2835-120-2200+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120808
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:2021-12-08

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:0.6577A P:15.78W PF:1.000 Freq:50.00Hz Lamp Flux:411.806x1 lm		
NAME: SF21-24V-2835-120-2200+5700-80	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120808
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

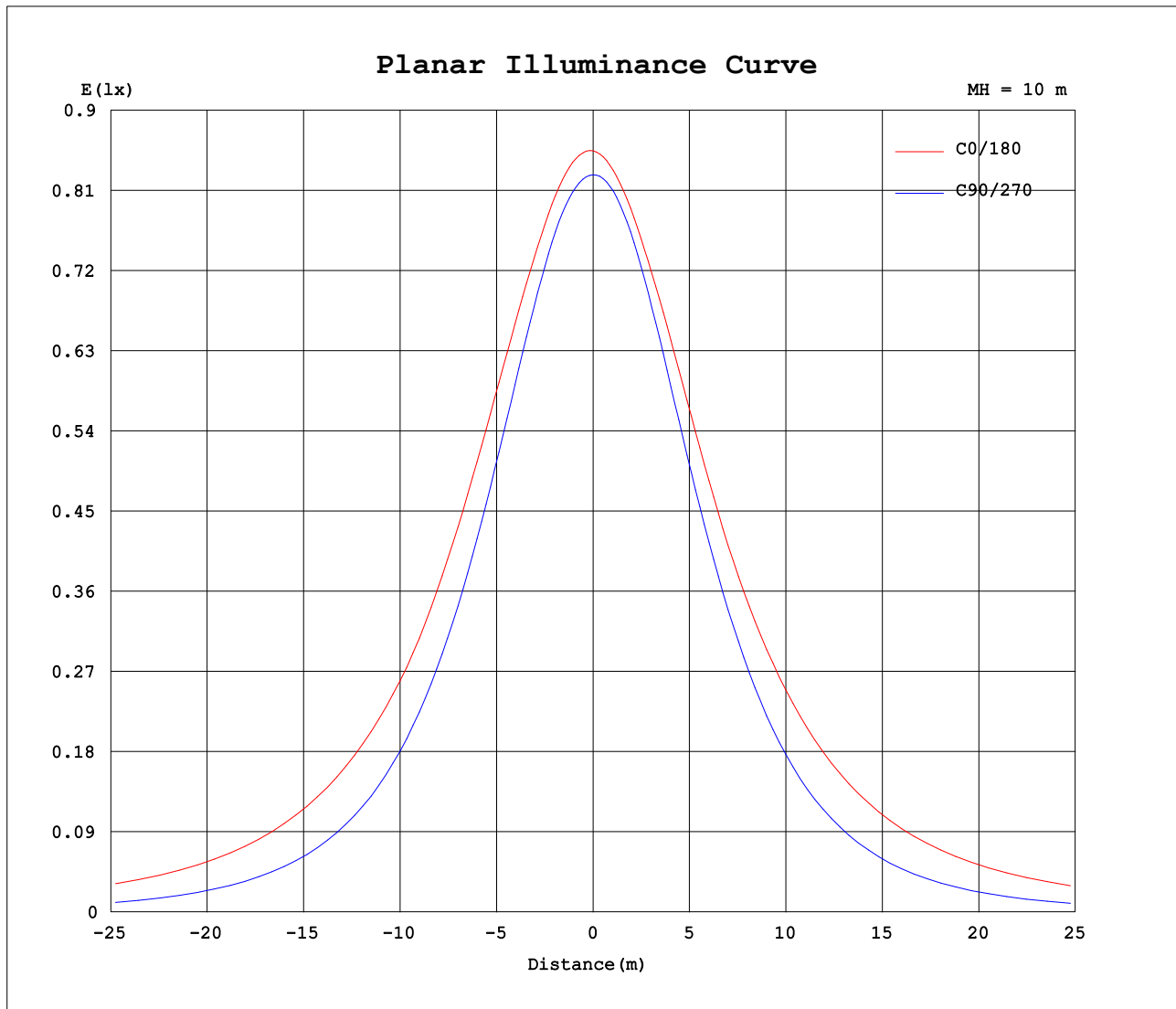
AvgL	cd/m2
L_0~180 (65) av	8951
L_0~180 (75) av	13049
L_0~180 (85) av	33742
L_90~270 (65) av	3567
L_90~270 (75) av	2617
L_90~270 (85) av	1126
L_45 (65) av	6884
L_45 (75) av	9342
L_45 (85) av	22764

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-08

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: 2021-12-08

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:0.6577A P:15.78W PF:1.000 Freq:50.00Hz Lamp Flux:411.806x1 lm		
NAME: SF21-24V-2835-120-2200+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120808
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	85.5	84.0	83.1	82.7	82.7	82.7	85.5	84.0	83.1	82.7	82.7	82.7							
5	85.6	84.8	83.3	82.3	81.7	81.4	84.8	82.8	82.2	82.4	83.0	83.6							
10	85.2	84.9	83.1	81.1	80.2	80.0	83.8	81.4	80.8	81.1	82.7	84.1							
15	84.3	84.6	81.7	78.8	77.8	78.1	82.5	79.6	78.5	78.8	81.4	83.9							
20	83.3	83.7	79.6	75.7	74.7	75.6	81.1	77.3	75.5	75.5	79.2	83.2							
25	82.1	82.1	76.8	71.9	71.2	72.6	79.5	74.5	71.9	71.5	76.5	82.1							
30	80.6	80.2	73.6	67.5	67.2	69.8	77.4	71.5	67.9	67.0	73.4	80.5							
35	78.7	78.1	69.8	62.5	62.8	67.0	75.0	68.6	63.5	61.8	70.0	78.6							
40	76.1	75.9	65.8	57.0	58.1	63.7	72.7	65.6	58.7	56.1	66.3	76.5							
45	73.5	73.2	61.4	51.1	53.4	60.2	70.5	62.2	53.9	50.1	62.2	74.2							
50	71.3	70.2	56.9	45.0	48.6	56.5	67.9	58.6	49.1	43.5	57.7	71.5							
55	68.6	66.6	52.3	38.4	43.6	52.7	64.9	54.8	44.1	36.9	53.1	68.3							
60	65.6	63.6	47.5	31.9	38.5	49.0	61.7	51.0	39.0	30.1	48.4	64.8							
65	62.5	60.4	42.7	25.1	33.4	45.3	58.5	47.3	33.9	23.2	43.6	62.0							
70	59.4	57.0	37.7	18.2	28.7	41.7	55.3	43.6	29.2	16.4	38.6	58.8							
75	56.2	53.4	33.3	11.7	24.5	38.2	51.9	40.1	24.9	10.0	34.0	55.5							
80	52.8	50.1	29.2	6.02	20.9	34.7	48.5	36.5	21.2	4.57	29.9	52.1							
85	49.2	46.8	25.5	1.99	17.7	31.3	44.9	33.0	17.9	1.15	26.1	48.9							
90	45.6	43.5	22.7	1.23	15.2	28.3	41.2	29.8	15.3	0.89	23.2	45.7							
95	41.9	40.3	20.5	1.27	13.5	25.6	37.7	27.0	13.4	0.90	20.9	42.5							
100	37.5	33.7	18.7	1.37	12.2	21.4	33.7	22.7	12.1	1.09	18.7	36.1							
105	34.2	31.9	15.7	1.60	9.03	20.2	30.7	21.2	9.30	1.21	16.0	34.2							
110	31.0	29.5	15.4	1.80	8.44	18.7	28.0	19.7	8.56	1.41	14.9	31.5							
115	28.2	27.2	13.9	2.07	7.61	16.0	24.6	17.6	7.59	1.77	14.0	28.2							
120	25.7	25.0	13.0	2.37	6.99	14.4	22.4	15.7	7.12	2.16	12.9	25.8							
125	23.6	23.1	11.5	2.65	6.60	13.1	20.4	14.0	6.59	2.53	12.1	23.4							
130	21.5	21.0	9.69	2.91	5.88	11.7	18.5	12.4	6.07	2.85	11.1	21.5							
135	19.5	17.5	6.42	3.15	5.41	10.2	16.6	11.0	5.45	3.17	10.2	18.6							
140	17.5	14.2	5.91	3.37	4.65	8.97	13.5	9.68	4.82	3.42	8.99	14.8							
145	15.6	12.2	7.00	3.55	3.81	7.61	12.8	8.35	4.04	3.66	8.07	13.1							
150	13.5	10.2	6.59	4.04	2.73	6.48	11.2	7.11	3.24	4.10	7.36	11.3							
155	11.4	7.84	6.78	4.51	3.33	5.21	9.69	6.00	2.87	4.55	7.22	9.74							
160	9.32	5.77	7.08	4.98	2.97	3.68	8.02	4.73	2.98	4.99	7.44	8.00							
165	7.50	4.38	7.24	5.43	2.13	3.51	6.79	3.19	2.14	5.45	7.43	6.75							
170	3.89	5.09	7.19	5.81	2.12	2.13	3.38	2.16	2.11	5.84	7.29	6.85							
175	3.30	5.59	6.95	6.07	2.09	2.07	2.62	2.15	2.09	6.18	7.09	6.78							
180	2.15	2.13	5.73	6.14	6.34	5.67	2.14	2.35	4.96	6.40	6.28	5.67							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-08

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	85.45	84.02	83.13	82.74	82.67	82.65	85.45	84.02	83.13	82.74
3.0	85.59	84.52	83.36	82.60	82.15	81.95	85.13	83.35	82.67	82.67
6.0	85.57	84.85	83.34	82.17	81.43	81.20	84.65	82.55	82.00	82.28
9.0	85.31	84.92	83.23	81.48	80.53	80.32	84.03	81.72	81.13	81.44
12.0	84.87	84.86	82.62	80.31	79.28	79.29	83.29	80.73	79.92	80.27
15.0	84.30	84.62	81.68	78.82	77.76	78.07	82.47	79.60	78.46	78.83
18.0	83.70	84.18	80.51	77.04	76.03	76.63	81.66	78.36	76.73	76.92
21.0	83.05	83.43	79.09	75.05	74.06	75.00	80.85	76.75	74.79	74.75
24.0	82.37	82.44	77.44	72.76	71.93	73.20	79.87	75.20	72.65	72.49
27.0	81.59	81.32	75.60	70.24	69.65	71.40	78.72	73.28	70.33	69.74
30.0	80.63	80.21	73.56	67.55	67.19	69.78	77.42	71.51	67.88	66.99
33.0	79.50	78.97	71.34	64.56	64.56	68.14	75.99	69.76	65.28	63.99
36.0	78.19	77.69	69.04	61.41	61.85	66.32	74.48	68.10	62.56	60.73
39.0	76.65	76.34	66.61	58.19	59.01	64.40	73.14	66.26	59.71	57.28
42.0	74.95	74.88	64.07	54.77	56.20	62.36	71.91	64.30	56.81	53.70
45.0	73.49	73.24	61.44	51.12	53.42	60.20	70.52	62.24	53.93	50.11
48.0	72.23	71.40	58.73	47.48	50.56	58.01	68.97	60.06	51.12	46.06
51.0	70.79	69.48	55.99	43.69	47.62	55.71	67.30	57.81	48.15	42.35
54.0	69.20	67.36	53.22	39.79	44.61	53.43	65.52	55.56	45.12	38.18
57.0	67.49	65.21	50.41	35.86	41.57	51.21	63.65	53.25	42.05	34.13
60.0	65.62	63.55	47.53	31.89	38.47	48.98	61.74	51.02	38.97	30.13
63.0	63.72	61.67	44.63	27.75	35.44	46.78	59.81	48.80	35.94	25.97
66.0	61.90	59.74	41.69	23.65	32.46	44.62	57.90	46.59	32.97	21.82
69.0	60.02	57.68	38.71	19.54	29.63	42.44	55.93	44.39	30.08	17.69
72.0	58.13	55.52	35.87	15.44	27.00	40.34	53.94	42.24	27.39	13.87
75.0	56.16	53.42	33.31	11.66	24.54	38.19	51.91	40.11	24.89	10.02
78.0	54.15	51.46	30.79	8.108	22.27	36.02	49.87	37.90	22.60	6.558
81.0	52.10	49.50	28.36	5.053	20.17	33.96	47.80	35.76	20.47	3.755
84.0	49.96	47.48	26.19	2.632	18.27	31.99	45.62	33.69	18.49	1.479
87.0	47.80	45.50	24.33	1.356	16.63	30.05	43.35	31.67	16.78	0.9455
90.0	45.63	43.50	22.71	1.226	15.25	28.27	41.18	29.81	15.30	0.8862
93.0	43.37	41.51	21.31	1.241	14.12	26.67	39.06	28.04	14.11	0.8953
96.0	41.18	39.66	20.10	1.287	13.21	25.16	37.00	26.44	13.13	0.9044
99.0	38.99	35.80	18.99	1.337	12.43	23.73	34.74	23.07	12.32	0.9995
102.0	36.15	33.21	17.98	1.528	11.70	21.03	32.44	22.18	11.63	1.176
105.0	34.16	31.89	15.75	1.603	9.032	20.20	30.70	21.25	9.297	1.215
108.0	32.25	30.49	15.55	1.704	8.585	19.31	29.05	20.32	9.018	1.291
111.0	30.45	29.02	15.15	1.845	8.294	18.03	27.51	19.15	8.346	1.462
114.0	28.76	27.57	13.71	2.016	7.721	16.41	25.63	18.05	7.753	1.688
117.0	27.21	26.24	13.45	2.192	7.365	15.26	23.70	16.82	7.356	1.924
120.0	25.75	25.01	12.97	2.368	6.988	14.44	22.44	15.70	7.119	2.160
123.0	24.41	23.82	11.92	2.543	6.778	13.64	21.21	14.62	6.744	2.387
126.0	23.15	22.74	11.20	2.699	6.494	12.82	20.05	13.63	6.497	2.603
129.0	21.92	21.71	10.27	2.855	6.064	11.98	18.90	12.71	6.190	2.784
132.0	20.69	19.48	8.346	3.011	5.730	11.19	17.73	11.92	5.819	2.975
135.0	19.47	17.50	6.423	3.152	5.409	10.22	16.61	11.03	5.447	3.166
138.0	18.27	15.30	5.731	3.292	5.002	9.496	14.99	10.15	5.080	3.322
141.0	17.09	13.89	6.248	3.403	4.455	8.712	12.14	9.346	4.682	3.482
144.0	15.94	12.52	7.000	3.508	3.957	7.948	13.14	8.621	4.200	3.618
147.0	14.80	11.45	6.836	3.635	3.515	7.120	11.91	7.822	3.708	3.774
150.0	13.54	10.15	6.590	4.042	2.732	6.476	11.19	7.113	3.239	4.100
153.0	12.23	8.736	6.572	4.328	3.033	5.787	10.26	6.435	2.564	4.367
156.0	10.94	7.354	6.869	4.604	3.471	4.903	9.350	5.786	3.037	4.633
159.0	9.824	6.108	7.056	4.886	3.760	3.973	8.424	4.998	3.467	4.899
162.0	8.448	5.133	7.151	5.167	2.162	2.830	7.480	4.154	2.150	5.191
165.0	7.498	4.378	7.242	5.433	2.133	3.510	6.791	3.190	2.135	5.447
168.0	4.083	4.831	7.209	5.680	2.128	3.351	3.758	3.169	2.120	5.734
171.0	3.761	5.213	7.127	5.866	2.111	2.126	3.154	2.162	2.105	5.925
174.0	3.414	5.509	6.997	6.026	2.091	2.076	2.772	2.154	2.091	6.126
177.0	3.022	5.628	6.836	6.157	2.061	2.066	2.141	2.146	2.076	6.247
180.0	2.146	2.126	5.729	6.136	6.337	5.669	2.136	2.347	4.960	6.398
G/C	300.0	330.0								
0.0	82.67	82.65								
3.0	82.99	83.28								
6.0	83.01	83.76								
9.0	82.81	84.03								
12.0	82.23	84.13								
15.0	81.36	83.95								
18.0	80.19	83.58								
21.0	78.73	83.03								
24.0	77.08	82.33								
27.0	75.30	81.51								
30.0	73.42	80.51								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-08

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:

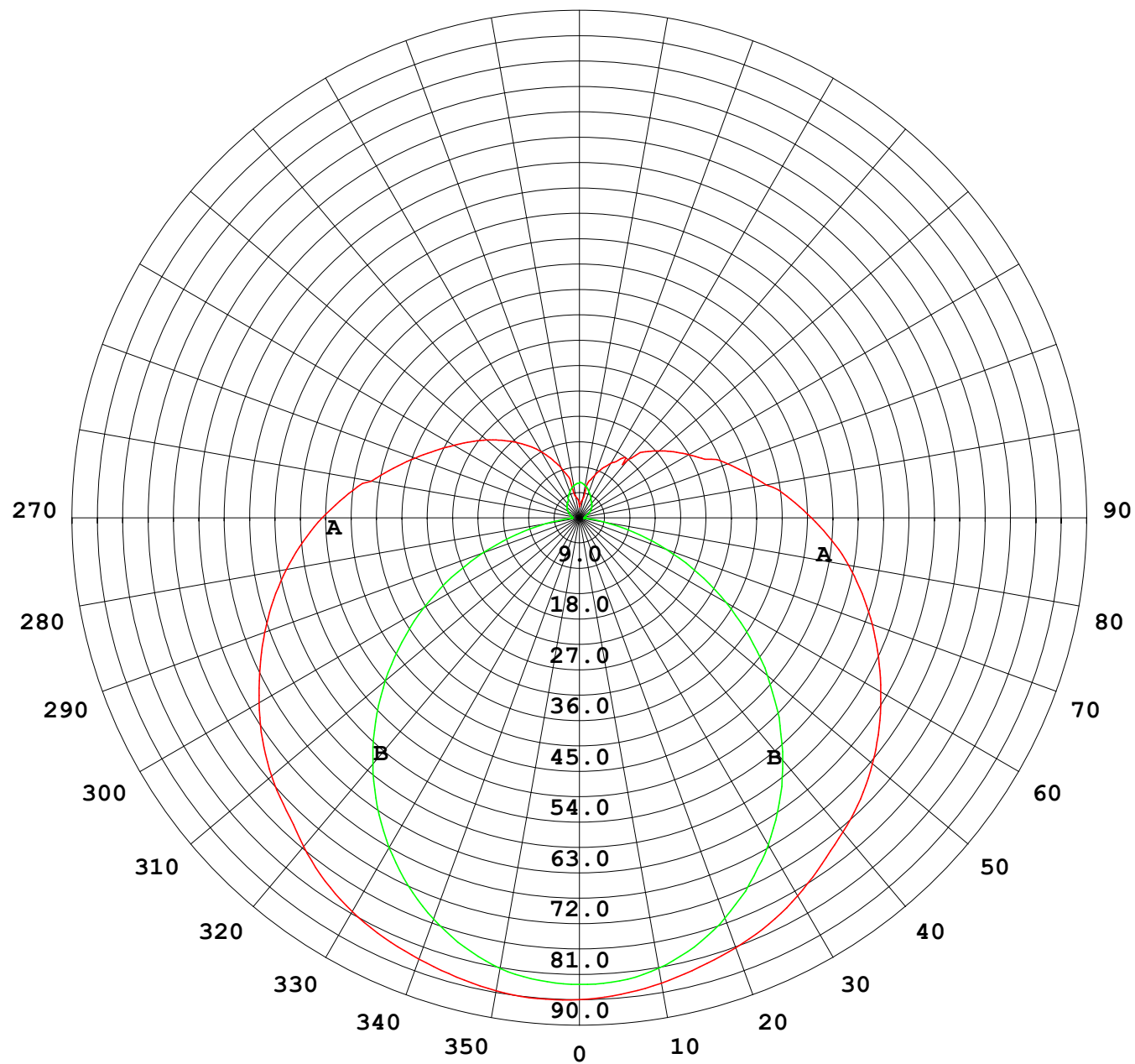
Photometric Data Table [cd]

33.0	71.42	79.36
36.0	69.31	78.18
39.0	67.09	76.94
42.0	64.75	75.63
45.0	62.23	74.19
48.0	59.56	72.61
51.0	56.82	70.87
54.0	54.06	68.98
57.0	51.27	66.91
60.0	48.41	64.77
63.0	45.50	63.13
66.0	42.57	61.34
69.0	39.56	59.47
72.0	36.62	57.52
75.0	34.04	55.45
78.0	31.50	53.41
81.0	29.06	51.48
84.0	26.80	49.56
87.0	24.87	47.58
90.0	23.19	45.67
93.0	21.75	43.76
96.0	20.48	41.87
99.0	19.34	38.23
102.0	17.21	35.60
105.0	15.99	34.22
108.0	15.32	32.79
111.0	14.74	30.67
114.0	14.53	28.68
117.0	13.54	27.35
120.0	12.91	25.85
123.0	12.44	24.05
126.0	11.90	23.12
129.0	11.35	22.17
132.0	10.75	20.47
135.0	10.21	18.61
138.0	9.441	16.58
141.0	8.727	14.53
144.0	8.191	13.61
147.0	7.833	12.30
150.0	7.361	11.34
153.0	7.092	10.41
156.0	7.273	9.401
159.0	7.413	8.381
162.0	7.440	7.351
165.0	7.435	6.746
168.0	7.377	6.829
171.0	7.271	6.857
174.0	7.121	6.811
177.0	6.985	6.735
180.0	6.282	5.674

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-08

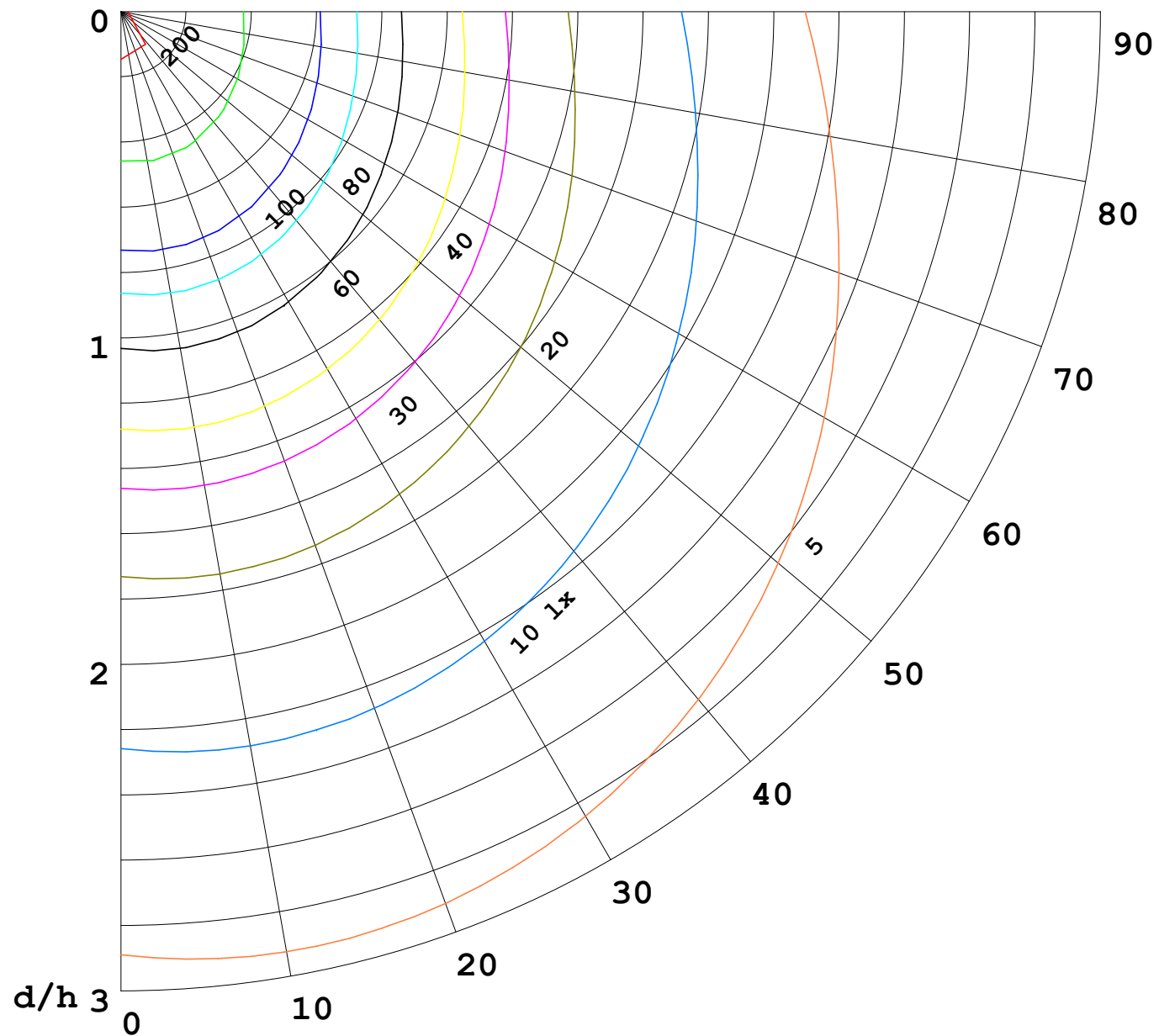
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

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

