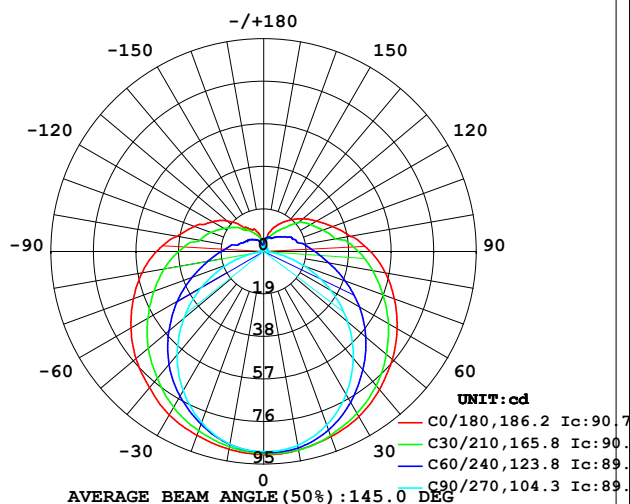


LUMINAIRE PHOTOMETRIC TEST REPORT

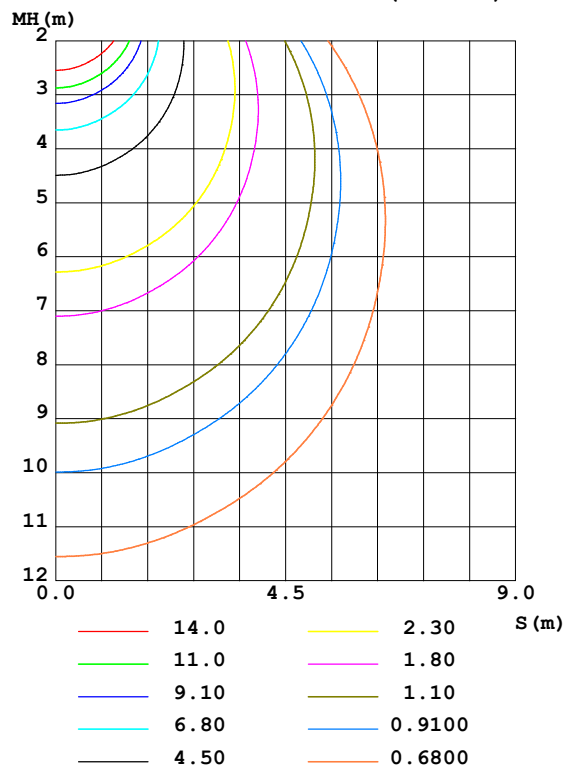
Test:U:24.00V I:0.6430A P:15.43W PF:1.000 Freq:50.00Hz Lamp Flux:445.383x1 lm		
NAME: SF21-24V-2835-120-3000+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120906
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 28.86 lm/W			
MODEL	2835	I _{max} (cd)	90.75	S/MH (C0/180)	1.40
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	1.20
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	445.38	η UP, DN (C0-180)	11.1, 38.8
NOMINAL FLUX (lm)	445.383	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	11.3, 38.8
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: 2021-12-09

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	90.03	89.58	87.90	87.27	89.67	88.06	87.43	88.97	0- 10	8.515	8.515	1.91,1.91
20	88.01	86.11	82.40	82.99	87.34	83.62	81.15	85.49	10- 20	24.54	33.05	7.42,7.42
30	85.13	80.60	73.69	76.76	84.30	77.60	71.85	80.02	20- 30	37.79	70.84	15.9,15.9
40	80.52	73.61	62.20	68.96	79.36	69.86	60.13	73.58	30- 40	47.07	117.9	26.5,26.5
50	75.03	65.53	49.00	60.28	74.47	61.31	46.71	66.05	40- 50	51.79	169.7	38.1,38.1
60	68.81	56.83	34.59	51.16	68.41	52.19	32.16	57.47	50- 60	51.93	221.6	49.8,49.8
70	62.17	47.81	19.57	42.15	61.96	43.16	17.47	48.65	60- 70	48.05	269.7	60.5,60.5
80	55.21	39.51	6.480	34.26	55.23	35.20	5.089	40.49	70- 80	41.52	311.2	69.9,69.9
90	47.67	32.63	1.302	27.40	47.86	28.46	0.9200	33.63	80- 90	34.42	345.6	77.6,77.6
100	39.44	25.43	1.483	20.87	39.36	22.06	1.040	26.37	90-100	28.16	373.8	83.9,83.9
110	32.71	21.73	1.591	17.15	32.92	18.04	1.176	22.54	100-110	21.80	395.6	88.8,88.8
120	27.34	18.59	1.679	14.08	26.57	14.97	1.322	18.57	110-120	17.14	412.7	92.7,92.7
130	22.80	15.18	1.799	11.89	21.29	12.59	1.482	15.37	120-130	13.00	425.7	95.6,95.6
140	18.42	10.97	1.915	9.556	13.94	10.12	1.633	10.85	130-140	8.948	434.7	97.6,97.6
150	14.24	8.254	2.201	7.503	11.39	8.046	1.965	8.324	140-150	5.582	440.3	98.8,98.8
160	10.14	6.741	2.217	5.252	9.726	5.917	2.071	6.836	150-160	3.273	443.5	99.6,99.6
170	4.535	5.757	2.176	2.946	4.009	3.637	2.141	6.121	160-170	1.500	445.0	99.9,99.9
180	2.307	2.249	2.161	2.224	2.307	2.249	2.292	2.244	170-180	0.3600	445.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 143.5 lm

%lum = 32.2%

%lamp = 32.2%

Conical surface Flux(120deg): 221.63 lm

%lum = 49.8%

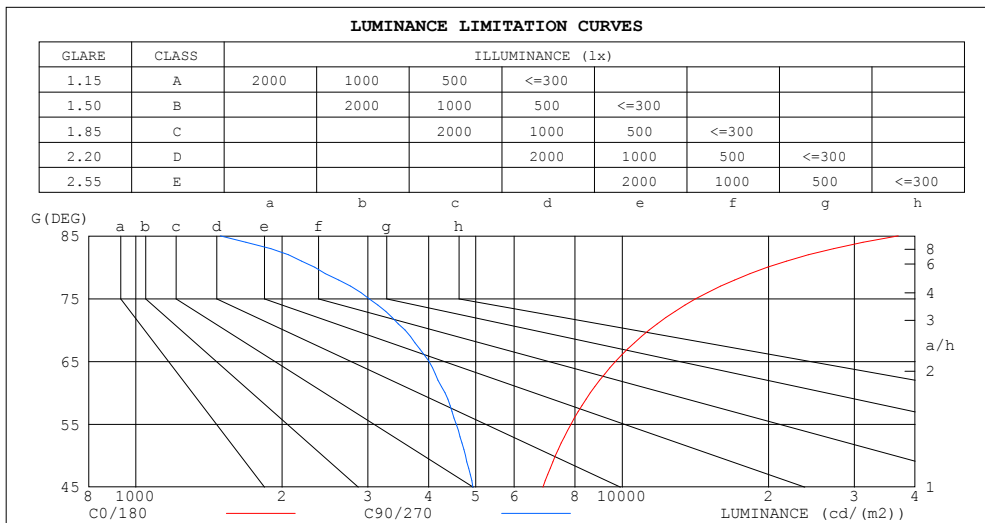
%lamp = 49.8%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-09

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:0.6430A P:15.43W PF:1.000 Freq:50.00Hz Lamp Flux:445.383x1 lm		
NAME: SF21-24V-2835-120-3000+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120906
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	36965	1492
80	19871	2332
75	14183	3014
70	11360	3576
65	9688	4005
60	8602	4323
55	7847	4562
50	7295	4764
45	6870	4933

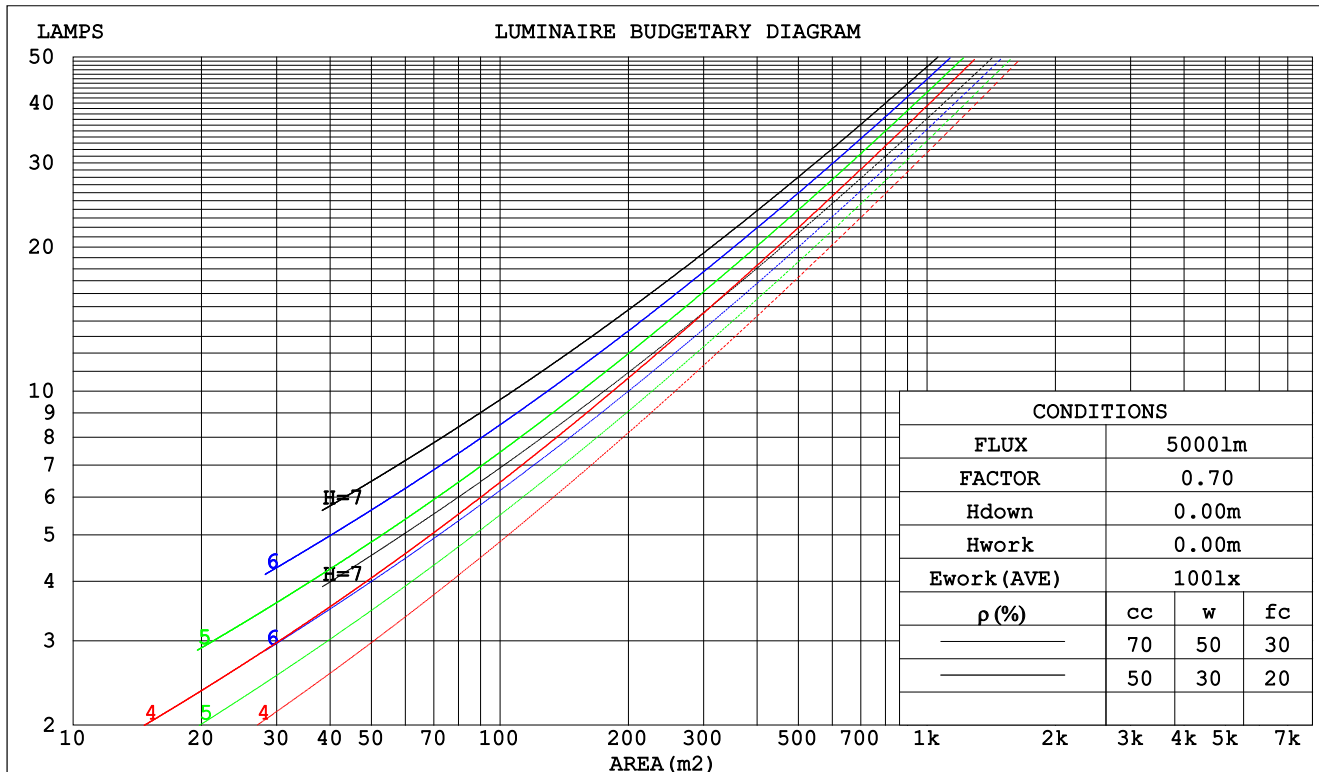
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-09

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:0.6430A P:15.43W PF:1.000 Freq:50.00Hz Lamp Flux:445.383x1 lm		
NAME: SF21-24V-2835-120-3000+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120906
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	.94	.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	.58	.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	.43	.39	.34	.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	.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	.22	.29	.24	.20	.18
9.0	.36	.28	.22	.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:2021-12-09

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:0.6430A P:15.43W PF:1.000 Freq:50.00Hz Lamp Flux:445.383x1 lm		
NAME: SF21-24V-2835-120-3000+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120906
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	.347	.199	.063	.322	.186	.060	.300	.174	.056		
2.0	.333	.183	.056	.320	.177	.054	.297	.165	.051	.275	.154	.048	.254	.144	.045		
3.0	.295	.157	.047	.284	.152	.046	.262	.142	.043	.242	.133	.041	.224	.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	.182	.097	.029		
6.0	.221	.111	.032	.212	.107	.031	.196	.100	.029	.181	.094	.028	.166	.088	.026		
7.0	.204	.101	.029	.196	.097	.028	.181	.091	.026	.167	.085	.025	.153	.080	.023		
8.0	.189	.092	.026	.182	.089	.025	.168	.084	.024	.155	.078	.023	.143	.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	.077	.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	.328	.300	.306	.281	.258	.209	.193	.179	.121	.112	.104	.039	.036	.034	
2.0	.351	.305	.266	.301	.262	.230	.206	.182	.161	.119	.106	.094	.038	.034	.031	
3.0	.344	.289	.245	.294	.249	.212	.202	.173	.149	.117	.101	.088	.038	.033	.029	
4.0	.336	.276	.231	.288	.239	.201	.198	.166	.141	.115	.097	.084	.037	.032	.027	
5.0	.328	.267	.221	.282	.231	.192	.194	.161	.136	.112	.095	.081	.036	.031	.027	
6.0	.321	.259	.214	.276	.224	.187	.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:2021-12-09

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:0.6430A P:15.43W PF:1.000 Freq:50.00Hz Lamp Flux:445.383x1 lm										
NAME: SF21-24V-2835-120-3000+5700-80					TYPE: 硅胶			WEIGHT:		
SPEC.:					DIM.: 28mm*11.5mm			SERIAL No.:2021120906		
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	22.0	23.4	22.6	23.9	24.6	19.5	20.9	20.1	21.4	22.1
3H	24.8	26.0	25.4	26.6	27.3	21.0	22.2	21.6	22.8	23.5
4H	26.4	27.5	27.0	28.1	28.8	21.5	22.7	22.1	23.3	24.0
6H	28.1	29.2	28.7	29.8	30.6	21.9	23.0	22.5	23.6	24.3
8H	29.1	30.1	29.7	30.8	31.5	22.0	23.0	22.6	23.7	24.4
12H	30.2	31.2	30.8	31.8	32.6	22.0	23.0	22.6	23.7	24.4
4H 2H	22.6	23.8	23.2	24.4	25.1	20.8	22.0	21.5	22.6	23.3
3H	25.6	26.7	26.3	27.3	28.1	22.6	23.6	23.3	24.3	25.1
4H	27.4	28.3	28.1	29.0	29.8	23.4	24.4	24.1	25.0	25.8
6H	29.3	30.2	30.0	30.9	31.7	24.0	24.9	24.7	25.6	26.4
8H	30.4	31.2	31.1	31.9	32.8	24.3	25.0	25.0	25.7	26.6
12H	31.7	32.4	32.4	33.1	34.0	24.4	25.1	25.1	25.8	26.7
8H 4H	27.8	28.5	28.5	29.3	30.1	24.7	25.5	25.4	26.2	27.0
6H	30.0	30.7	30.8	31.4	32.3	25.8	26.4	26.5	27.2	28.1
8H	31.3	31.9	32.1	32.7	33.6	26.3	26.9	27.0	27.6	28.5
12H	32.8	33.4	33.6	34.1	35.1	26.7	27.2	27.4	28.0	28.9
12H 4H	27.8	28.5	28.5	29.2	30.1	25.1	25.8	25.9	26.6	27.4
6H	30.2	30.7	30.9	31.5	32.4	26.5	27.1	27.2	27.8	28.7
8H	31.6	32.1	32.4	32.9	33.8	27.2	27.7	28.0	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, 445.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.8)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-09

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:0.6430A P:15.43W PF:1.000 Freq:50.00Hz Lamp Flux:445.383x1 lm		
NAME: SF21-24V-2835-120-3000+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120906
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

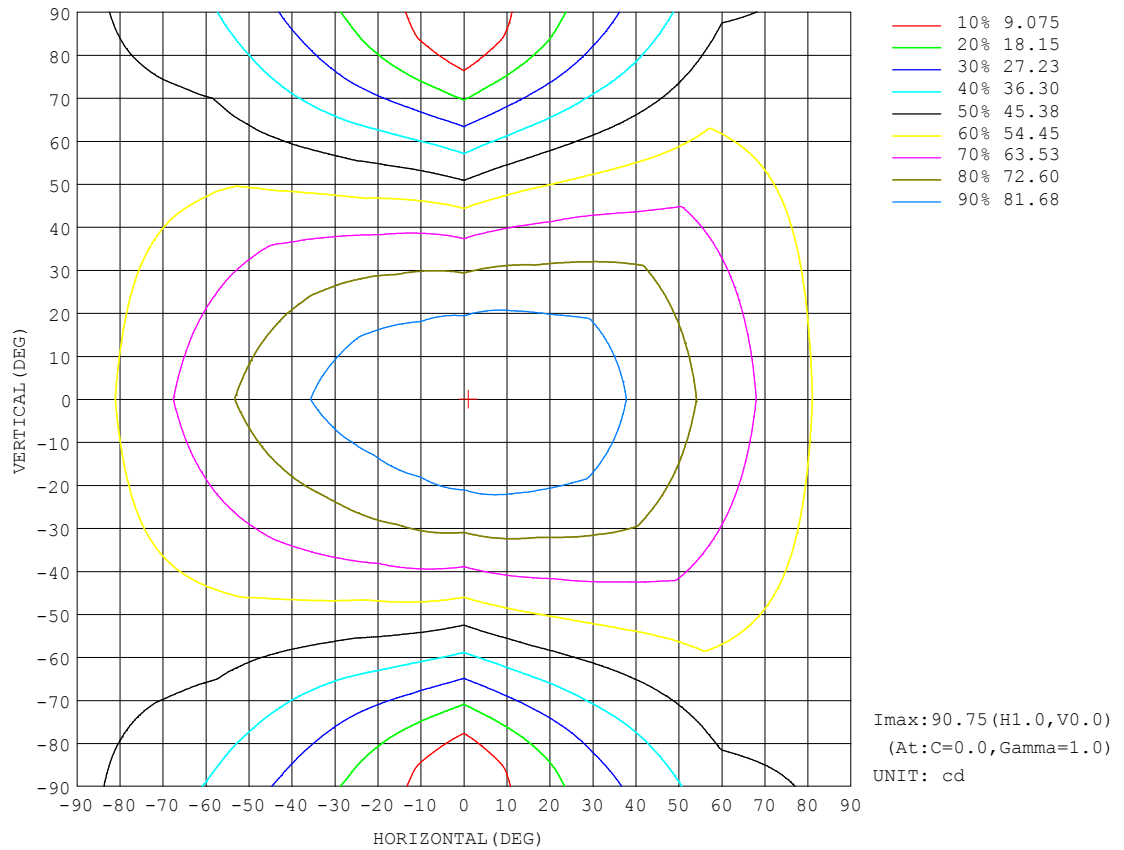
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	34	27	45	33	26	43	32	26	19
0.80	55	42	34	54	41	34	51	40	33	25
1.00	63	50	42	61	49	41	57	49	39	30
1.25	70	57	49	67	56	48	63	53	46	35
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	76	68	83	74	66	76	69	62	49
3.00	91	81	74	87	78	71	79	73	67	52
4.00	95	87	81	91	84	78	83	77	72	57
5.00	98	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:2021-12-09

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:0.6430A P:15.43W PF:1.000 Freq:50.00Hz Lamp Flux:445.383x1 lm		
NAME: SF21-24V-2835-120-3000+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120906
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

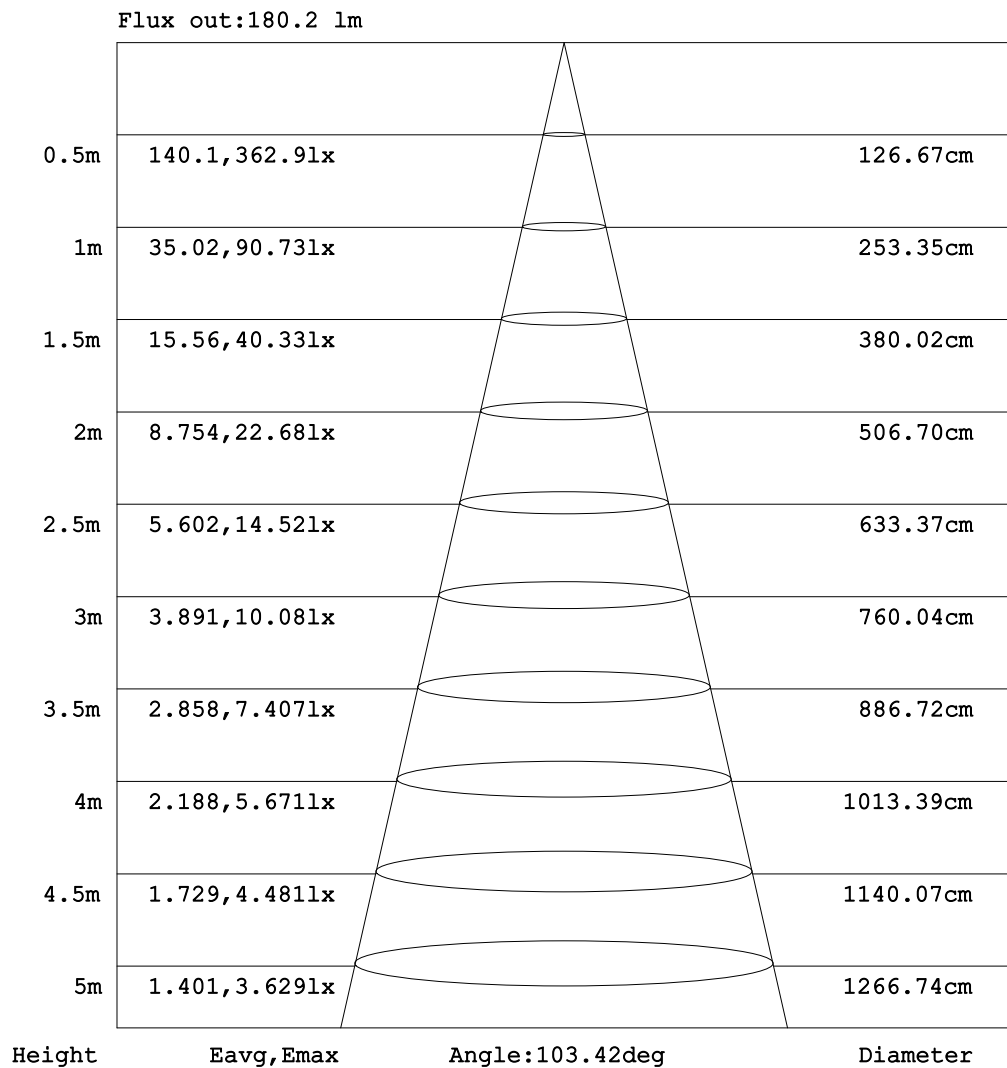


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-09

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:0.6430A P:15.43W PF:1.000 Freq:50.00Hz Lamp Flux:445.383x1 lm		
NAME: SF21-24V-2835-120-3000+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120906
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



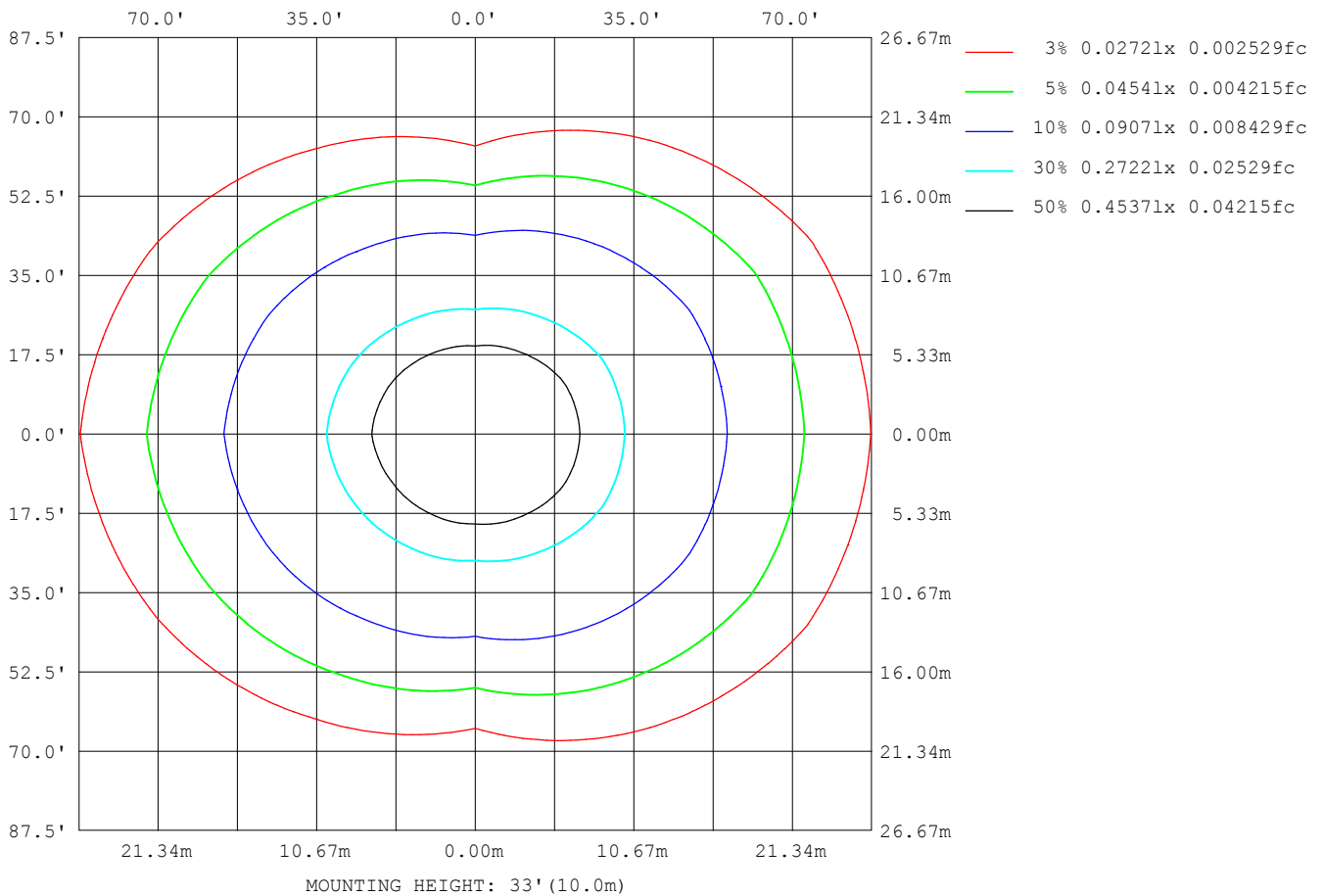
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-09

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:0.6430A P:15.43W PF:1.000 Freq:50.00Hz Lamp Flux:445.383x1 lm		
NAME: SF21-24V-2835-120-3000+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120906
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:2021-12-09

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:0.6430A P:15.43W PF:1.000 Freq:50.00Hz Lamp Flux:445.383x1 lm		
NAME: SF21-24V-2835-120-3000+5700-80	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120906
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

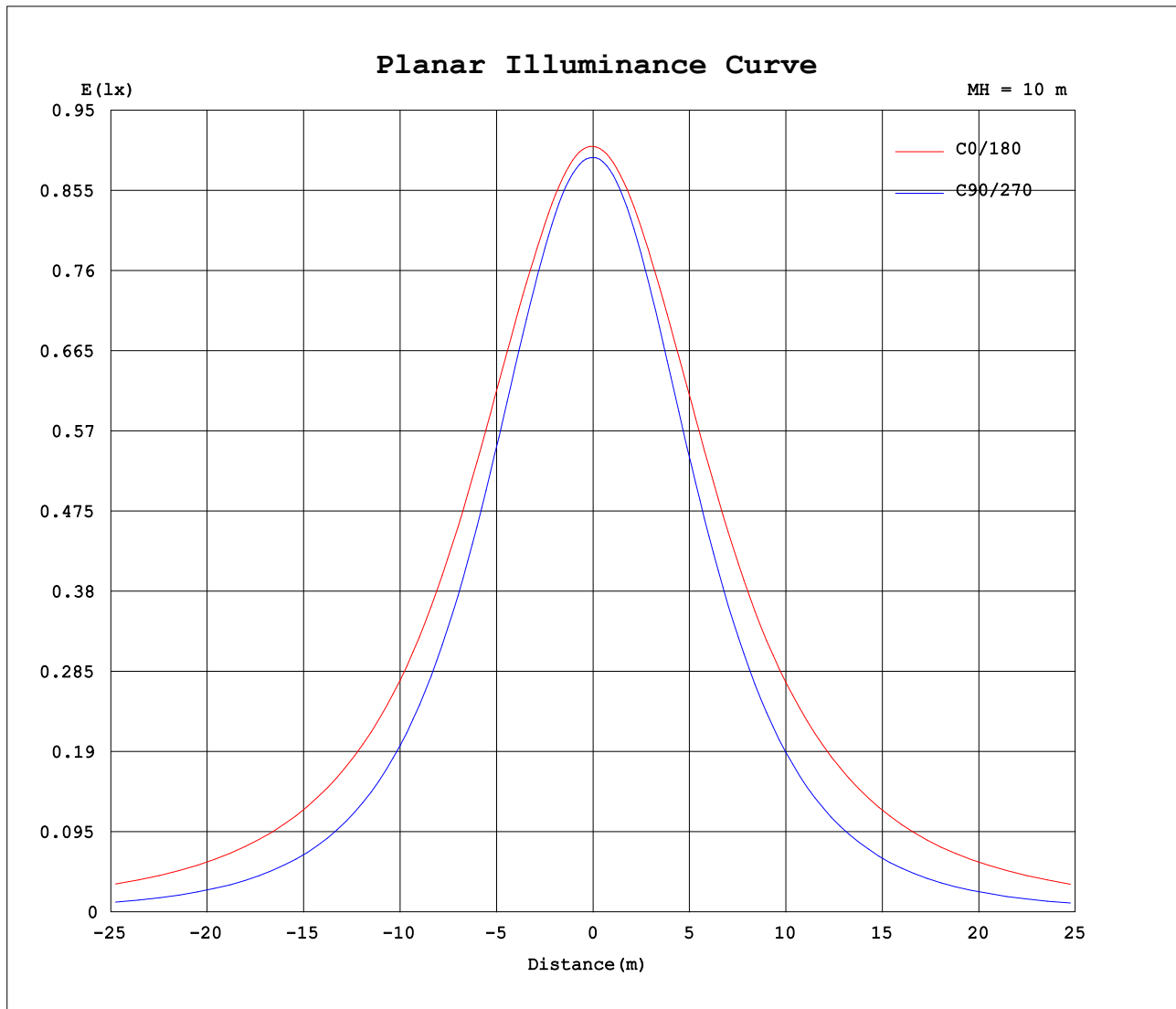
AvgL	cd/m2
L_0~180 (65) av	9668
L_0~180 (75) av	14173
L_0~180 (85) av	37000
L_90~270 (65) av	3832
L_90~270 (75) av	2797
L_90~270 (85) av	1187
L_45 (65) av	7456
L_45 (75) av	10143
L_45 (85) av	24882

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-09

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: 2021-12-09

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:0.6430A P:15.43W PF:1.000 Freq:50.00Hz Lamp Flux:445.383x1 lm		
NAME: SF21-24V-2835-120-3000+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120906
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	90.7	90.3	89.8	89.4	89.4	89.3	90.7	90.3	89.8	89.4	89.4	89.3						
5	90.7	90.4	89.8	89.1	88.7	88.5	90.4	89.7	89.0	89.0	89.3	89.6						
10	90.0	90.0	89.1	87.9	87.3	87.3	89.7	88.6	87.6	87.4	88.4	89.5						
15	89.0	89.1	87.3	85.6	85.0	85.7	88.6	87.0	85.1	84.8	86.6	88.6						
20	88.0	87.4	84.8	82.4	82.1	83.9	87.3	85.2	82.1	81.2	83.9	87.1						
25	86.8	85.5	81.6	78.4	78.8	81.5	86.1	83.0	78.6	76.8	80.5	85.2						
30	85.1	83.5	77.7	73.7	74.9	78.6	84.3	80.4	74.8	71.8	76.6	83.4						
35	83.0	81.0	73.5	68.2	70.6	75.2	82.0	77.4	70.5	66.3	72.6	81.3						
40	80.5	78.3	68.9	62.2	65.8	72.1	79.4	73.9	65.8	60.1	68.3	78.8						
45	77.7	75.1	64.4	55.8	60.7	68.8	77.0	70.7	60.7	53.6	64.0	76.0						
50	75.0	71.5	59.5	49.0	55.3	65.3	74.5	67.3	55.3	46.7	59.3	72.8						
55	72.0	68.0	54.5	41.9	50.0	61.5	71.6	63.6	49.9	39.5	54.3	69.3						
60	68.8	64.3	49.3	34.6	44.6	57.7	68.4	59.8	44.6	32.2	49.1	65.8						
65	65.5	60.6	44.0	27.1	39.2	54.0	65.2	55.9	39.3	24.7	43.8	62.3						
70	62.2	56.8	38.9	19.6	34.0	50.3	62.0	52.2	34.1	17.5	38.7	58.6						
75	58.7	53.1	34.0	12.5	29.3	46.7	58.7	48.6	29.3	10.7	33.9	55.0						
80	55.2	49.5	29.5	6.48	25.3	43.2	55.2	45.1	25.3	5.09	29.5	51.5						
85	51.5	45.9	25.8	2.08	21.9	39.6	51.6	41.6	21.9	1.23	25.7	48.0						
90	47.7	42.4	22.9	1.30	18.8	35.9	47.9	38.0	18.9	0.92	22.7	44.5						
95	43.8	38.9	20.4	1.36	16.3	32.3	44.0	34.6	16.7	0.93	20.3	41.1						
100	39.4	32.4	18.5	1.48	14.9	26.8	39.4	28.9	15.2	1.04	18.4	34.4						
105	36.0	30.5	15.6	1.59	11.1	25.4	35.9	27.2	11.7	1.16	15.5	32.5						
110	32.7	28.2	15.3	1.59	10.6	23.7	32.9	25.2	10.9	1.18	15.0	30.1						
115	29.9	26.0	14.2	1.62	9.84	20.7	29.0	22.8	9.78	1.24	13.0	27.3						
120	27.3	24.2	13.0	1.68	9.09	19.1	26.6	20.6	9.33	1.32	12.3	24.8						
125	25.0	22.4	11.5	1.74	8.63	17.6	24.2	18.6	8.77	1.40	11.1	22.8						
130	22.8	20.1	10.3	1.80	7.83	16.0	21.3	16.9	8.32	1.48	10.00	20.7						
135	20.6	16.6	9.33	1.85	7.49	13.9	18.2	15.0	7.67	1.54	9.17	17.2						
140	18.4	13.5	8.43	1.91	6.91	12.2	13.9	13.2	7.05	1.63	8.00	13.7						
145	16.3	11.5	7.63	1.97	6.32	10.6	13.0	11.5	6.54	1.73	7.15	11.9						
150	14.2	9.61	6.90	2.20	5.77	9.24	11.4	10.0	6.08	1.96	6.39	10.3						
155	12.3	8.04	6.87	2.22	4.81	8.08	11.0	8.61	5.33	2.05	6.60	8.69						
160	10.1	6.70	6.79	2.22	3.85	6.65	9.73	7.49	4.34	2.07	6.63	7.04						
165	8.31	5.63	6.55	2.21	2.64	5.25	8.32	6.35	3.53	2.13	6.38	6.07						
170	4.53	5.42	6.09	2.18	2.27	3.62	4.01	4.76	2.52	2.14	6.09	6.16						
175	3.53	4.72	5.68	2.17	2.25	2.24	3.59	3.30	2.31	2.21	5.76	5.74						
180	2.31	2.28	2.22	2.16	2.22	2.23	2.31	2.28	2.22	2.29	2.25	2.24						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-09

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	90.73	90.35	89.76	89.42	89.35	89.32	90.73	90.35	89.76	89.42
3.0	90.75	90.45	89.87	89.34	89.05	88.91	90.58	90.02	89.41	89.25
6.0	90.57	90.40	89.76	88.96	88.45	88.30	90.29	89.51	88.79	88.74
9.0	90.19	90.14	89.34	88.27	87.61	87.56	89.84	88.85	87.91	87.80
12.0	89.66	89.69	88.48	87.07	86.42	86.64	89.27	87.97	86.65	86.45
15.0	89.02	89.05	87.34	85.60	84.97	85.74	88.60	86.97	85.12	84.77
18.0	88.41	88.18	85.94	83.78	83.31	84.65	87.84	85.96	83.35	82.81
21.0	87.80	86.96	84.23	81.74	81.44	83.46	87.10	84.77	81.40	80.33
24.0	87.07	85.85	82.26	79.37	79.44	81.98	86.34	83.51	79.31	77.82
27.0	86.19	84.67	80.10	76.65	77.29	80.32	85.43	82.05	77.09	74.89
30.0	85.13	83.46	77.73	73.69	74.93	78.59	84.30	80.43	74.76	71.85
33.0	83.92	82.05	75.19	70.50	72.37	76.60	83.02	78.66	72.27	68.61
36.0	82.57	80.50	72.57	67.02	69.67	74.54	81.52	76.69	69.61	65.04
39.0	81.05	78.83	69.84	63.47	66.79	72.70	79.90	74.65	66.80	61.43
42.0	79.41	77.03	67.12	59.78	63.82	70.86	78.38	72.59	63.80	57.63
45.0	77.72	75.11	64.36	55.81	60.71	68.85	77.02	70.71	60.70	53.61
48.0	76.15	73.00	61.50	51.79	57.46	66.78	75.55	68.67	57.50	49.39
51.0	74.45	70.81	58.57	47.62	54.19	64.55	73.94	66.56	54.20	45.19
54.0	72.65	68.60	55.56	43.31	51.01	62.27	72.20	64.42	50.93	40.97
57.0	70.76	66.58	52.49	38.96	47.86	59.94	70.38	62.03	47.81	36.44
60.0	68.81	64.34	49.32	34.59	44.61	57.70	68.41	59.77	44.61	32.16
63.0	66.85	62.03	46.14	30.01	41.37	55.40	66.52	57.45	41.39	27.70
66.0	64.85	59.80	42.95	25.54	38.18	53.20	64.58	55.14	38.22	23.23
69.0	62.83	57.49	39.87	21.04	35.01	51.04	62.62	53.03	35.09	18.97
72.0	60.80	55.24	36.87	16.66	32.02	48.86	60.64	50.76	32.11	14.80
75.0	58.73	53.08	33.99	12.48	29.29	46.71	58.65	48.63	29.34	10.69
78.0	56.64	50.90	31.23	8.695	26.82	44.65	56.61	46.57	26.83	7.147
81.0	54.49	48.74	28.73	5.490	24.58	42.55	54.53	44.42	24.56	4.148
84.0	52.29	46.66	26.51	2.817	22.55	40.27	52.37	42.34	22.50	1.536
87.0	50.02	44.49	24.56	1.437	20.66	38.17	50.19	40.15	20.60	0.9759
90.0	47.67	42.38	22.87	1.302	18.85	35.94	47.86	37.98	18.94	0.9200
93.0	45.35	40.25	21.35	1.332	17.12	33.69	45.60	35.90	17.53	0.9196
96.0	43.07	38.14	19.99	1.377	16.00	31.64	43.16	34.00	16.39	0.9398
99.0	40.85	34.35	18.84	1.443	15.14	27.18	40.37	29.28	15.47	1.005
102.0	38.02	31.77	17.74	1.583	14.21	26.35	37.91	28.31	14.69	1.120
105.0	35.98	30.54	15.61	1.586	11.11	25.45	35.91	27.25	11.72	1.163
108.0	33.99	29.09	15.43	1.589	10.73	24.39	34.09	26.04	11.43	1.171
111.0	32.12	27.69	15.08	1.592	10.51	22.63	32.35	24.48	10.66	1.178
114.0	30.40	26.41	14.09	1.613	9.953	21.15	29.83	23.32	9.954	1.231
117.0	28.80	25.22	13.99	1.644	9.581	19.94	28.01	21.88	9.532	1.266
120.0	27.34	24.17	13.02	1.679	9.094	19.08	26.57	20.60	9.331	1.322
123.0	25.94	23.17	12.09	1.714	8.616	18.22	25.16	19.40	8.920	1.362
126.0	24.60	22.12	11.26	1.754	8.530	17.32	23.70	18.25	8.683	1.407
129.0	23.26	20.93	10.53	1.784	8.035	16.28	21.88	17.17	8.437	1.452
132.0	21.92	18.65	9.863	1.819	7.715	15.26	20.04	16.21	8.050	1.508
135.0	20.60	16.63	9.335	1.855	7.494	13.93	18.23	15.03	7.668	1.543
138.0	19.30	14.26	8.782	1.895	7.178	12.42	15.95	13.81	7.296	1.593
141.0	18.00	13.10	8.254	1.930	6.742	11.92	12.50	12.87	6.944	1.643
144.0	16.72	11.80	7.792	1.965	6.394	10.94	13.31	11.78	6.653	1.704
147.0	15.47	10.71	7.324	2.026	6.127	10.00	12.15	10.90	6.301	1.799
150.0	14.24	9.606	6.902	2.201	5.772	9.235	11.39	10.01	6.079	1.965
153.0	13.06	8.586	6.774	2.221	5.184	8.591	10.90	9.190	5.627	2.000
156.0	11.89	7.747	6.880	2.219	4.601	7.823	11.00	8.370	5.134	2.050
159.0	10.71	6.953	6.825	2.218	4.023	6.953	10.26	7.727	4.541	2.061
162.0	9.372	6.220	6.695	2.216	3.515	6.194	9.063	7.134	3.958	2.111
165.0	8.312	5.634	6.549	2.209	2.638	5.254	8.318	6.350	3.531	2.126
168.0	4.874	5.598	6.329	2.201	2.287	4.204	4.084	5.441	2.881	2.136
171.0	4.359	5.316	6.032	2.174	2.267	3.165	4.315	4.450	2.475	2.146
174.0	3.722	4.888	5.771	2.167	2.247	2.241	3.787	3.581	2.348	2.196
177.0	3.163	4.305	5.266	2.161	2.226	2.231	3.225	2.367	2.221	2.241
180.0	2.307	2.277	2.221	2.161	2.216	2.231	2.307	2.277	2.221	2.292
G/C	300.0	330.0								
0.0	89.35	89.32								
3.0	89.37	89.59								
6.0	89.18	89.61								
9.0	88.70	89.59								
12.0	87.79	89.26								
15.0	86.60	88.64								
18.0	85.08	87.74								
21.0	83.29	86.74								
24.0	81.24	85.64								
27.0	78.97	84.50								
30.0	76.63	83.42								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-09

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:

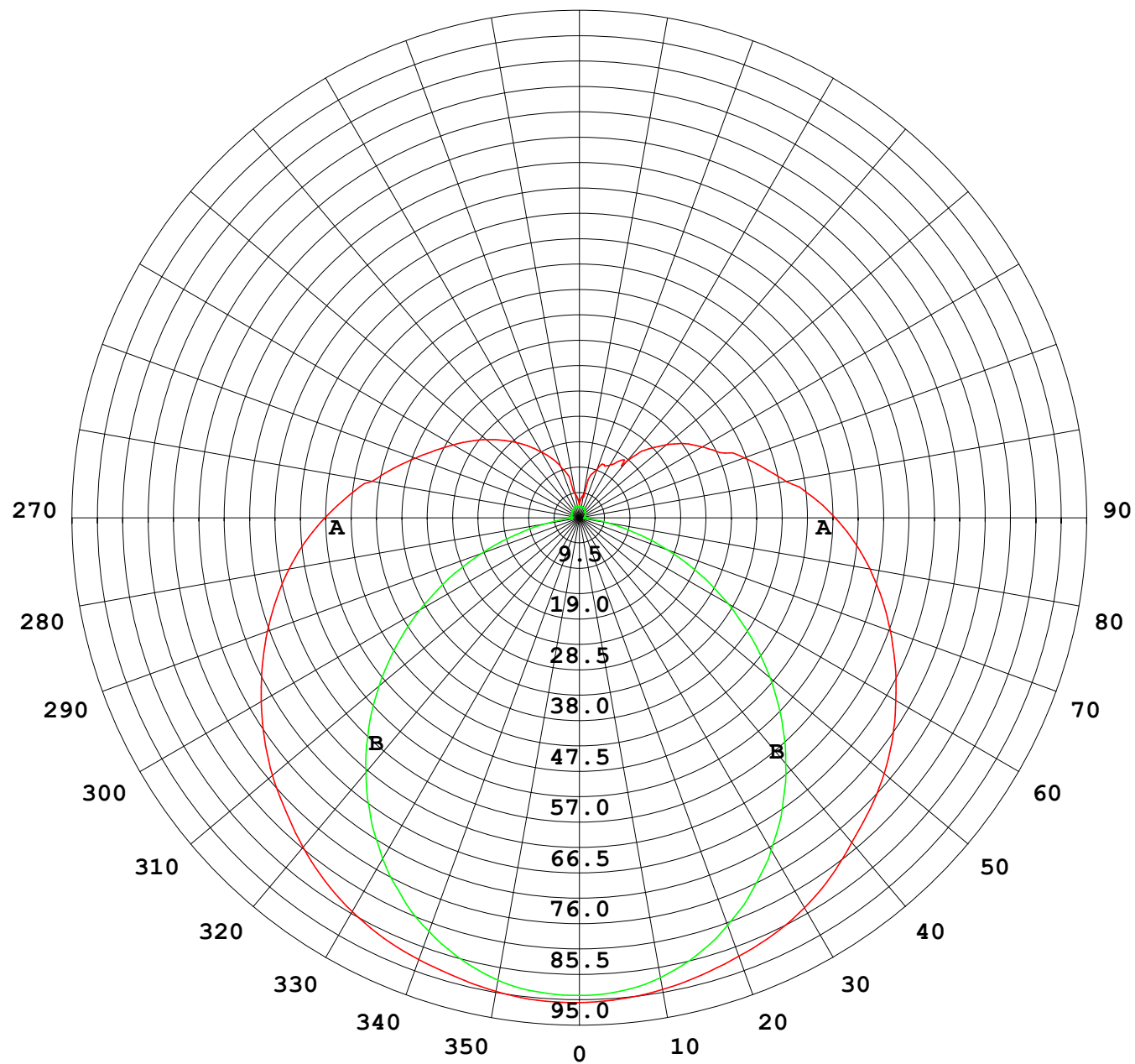
Photometric Data Table [cd]

33.0	74.20	82.21
36.0	71.73	80.88
39.0	69.17	79.37
42.0	66.57	77.75
45.0	63.95	76.02
48.0	61.23	74.12
51.0	58.29	72.10
54.0	55.27	70.01
57.0	52.22	67.86
60.0	49.09	65.84
63.0	45.94	63.72
66.0	42.79	61.54
69.0	39.74	59.32
72.0	36.79	57.12
75.0	33.94	54.96
78.0	31.21	52.85
81.0	28.68	50.76
84.0	26.44	48.68
87.0	24.46	46.57
90.0	22.74	44.52
93.0	21.24	42.49
96.0	19.86	40.39
99.0	18.71	38.38
102.0	17.65	36.68
105.0	15.47	32.47
108.0	15.11	31.09
111.0	14.95	29.59
114.0	14.43	27.84
117.0	13.38	26.21
120.0	12.34	24.80
123.0	11.63	23.55
126.0	10.85	22.48
129.0	10.11	21.33
132.0	9.794	19.30
135.0	9.174	17.22
138.0	8.411	15.22
141.0	7.828	13.52
144.0	7.291	12.34
147.0	6.899	11.25
150.0	6.387	10.26
153.0	6.419	9.321
156.0	6.605	8.366
159.0	6.622	7.350
162.0	6.633	6.470
165.0	6.382	6.067
168.0	6.267	6.177
171.0	6.020	6.062
174.0	5.819	5.806
177.0	5.617	5.584
180.0	2.252	2.236

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-09

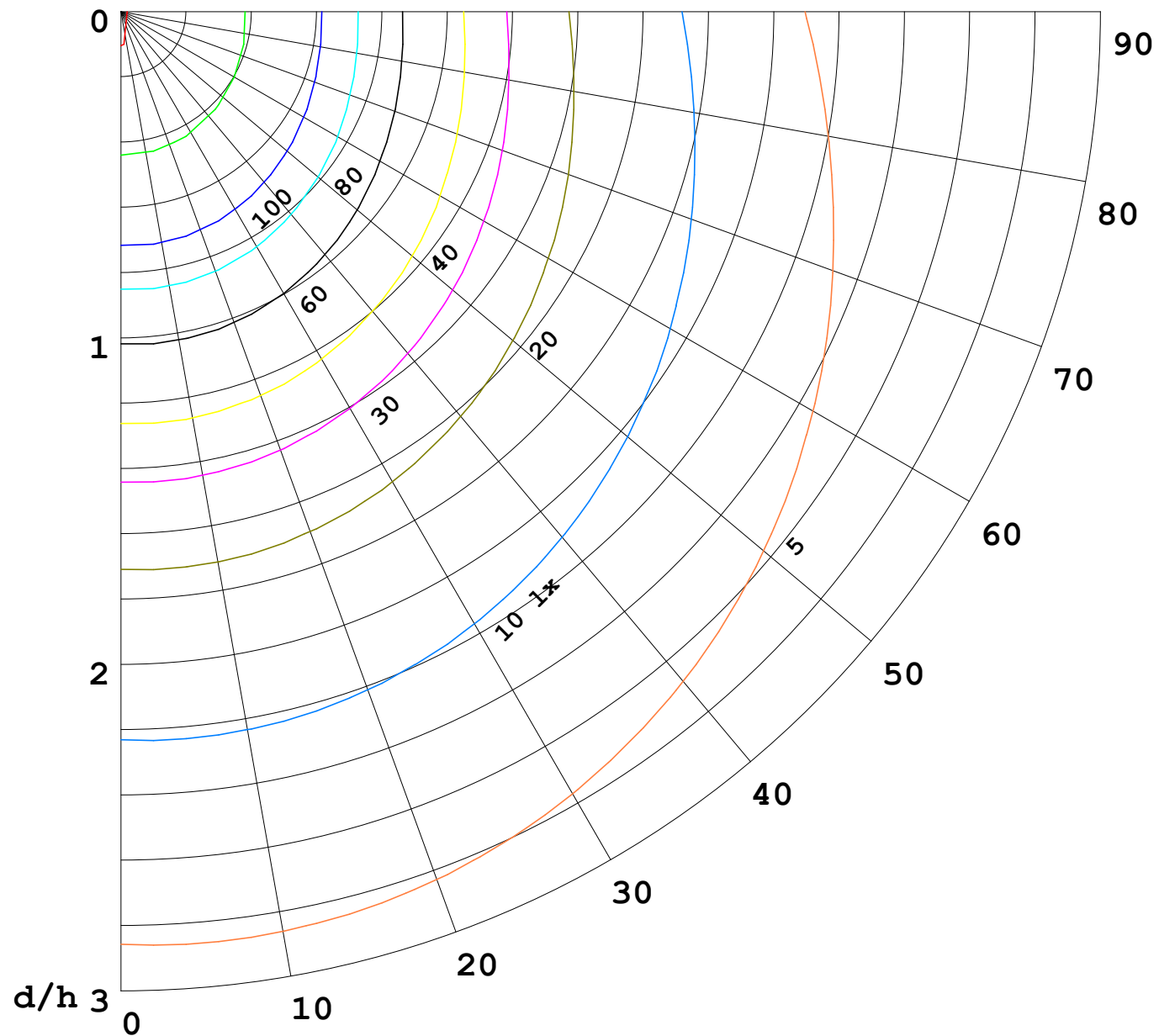
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

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

