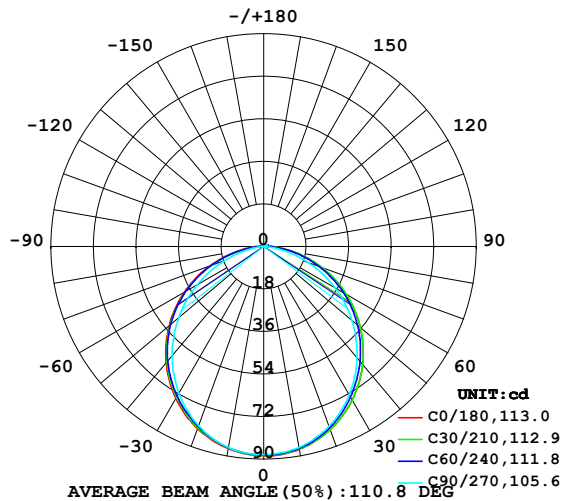


LUMINAIRE PHOTOMETRIC TEST REPORT

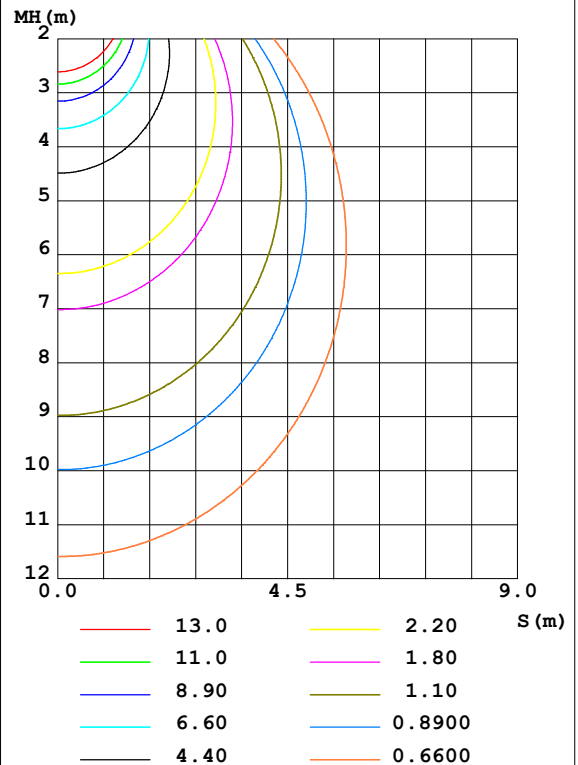
Test:U:24.00V I:0.6543A P:15.70W PF:1.000 Freq:50.00Hz Lamp Flux:253.32x1 lm		
NAME: SF15-24V-2835-120-2700+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122313
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 16.13 lm/W			
MODEL	2835	I _{max} (cd)	88.62	S/MH (C0/180)	1.25
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	1.22
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	253.32	η UP, DN (C0-180)	0.9, 49.4
NOMINAL FLUX (lm)	253.32	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 49.2
LAMPS INSIDE	1	η up (%)	1.5	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	24	η down (%)	98.5	CIBSE SHR MAX	1.35

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: 2021-12-23

γ Range: 0 - 120DEG
 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	87.13	86.87	86.35	85.93	86.84	86.53	86.41	86.76	0- 10	8.343	8.343	3.29,3.29
20	82.45	82.08	80.91	80.63	82.01	81.34	80.69	81.77	10- 20	23.82	32.16	12.7,12.7
30	74.97	74.30	72.41	72.63	74.33	73.48	71.75	73.87	20- 30	35.85	68.01	26.8,26.8
40	65.18	64.30	61.43	62.46	64.25	63.46	60.24	64.01	30- 40	42.94	110.9	43.8,43.8
50	53.40	52.67	48.70	50.49	52.25	51.60	46.97	52.96	40- 50	44.39	155.3	61.3,61.3
60	40.24	39.73	34.94	37.14	38.76	38.11	32.48	40.12	50- 60	40.09	195.4	77.1,77.1
70	26.16	25.77	20.22	22.94	24.40	23.73	17.70	26.22	60- 70	30.65	226.1	89.2,89.2
80	12.35	12.03	6.733	9.502	10.71	9.809	4.629	12.32	70- 80	17.75	243.8	96.3,96.3
90	3.272	2.684	0.8747	2.030	2.408	1.664	0.4446	2.534	80- 90	5.786	249.6	98.5,98.5
100	1.181	1.348	1.030	1.523	0.8802	1.047	0.5326	0.9298	90-100	1.481	251.1	99.1,99.1
110	1.201	1.399	1.160	1.499	0.4801	1.058	0.7458	1.013	100-110	1.165	252.3	99.6,99.6
120	1.322	0.8549	1.221	0.9262	0.0800	0.2128	0.8494	1.040	110-120	1.013	253.3	100,100
130	0	0	0	0	0	0	0	0	120-130	0.0411	253.3	100,100
140	0	0	0	0	0	0	0	0	130-140	0	253.3	100,100
150	0	0	0	0	0	0	0	0	140-150	0	253.3	100,100
160	0	0	0	0	0	0	0	0	150-160	0	253.3	100,100
170	0	0	0	0	0	0	0	0	160-170	0	253.3	100,100
180	0	0	0	0	0	0	0	0	170-180	0	253.3	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 133.32 lm

%lum = 52.6%

%lamp = 52.6%

Conical surface Flux(120deg): 195.43 lm

%lum = 77.1%

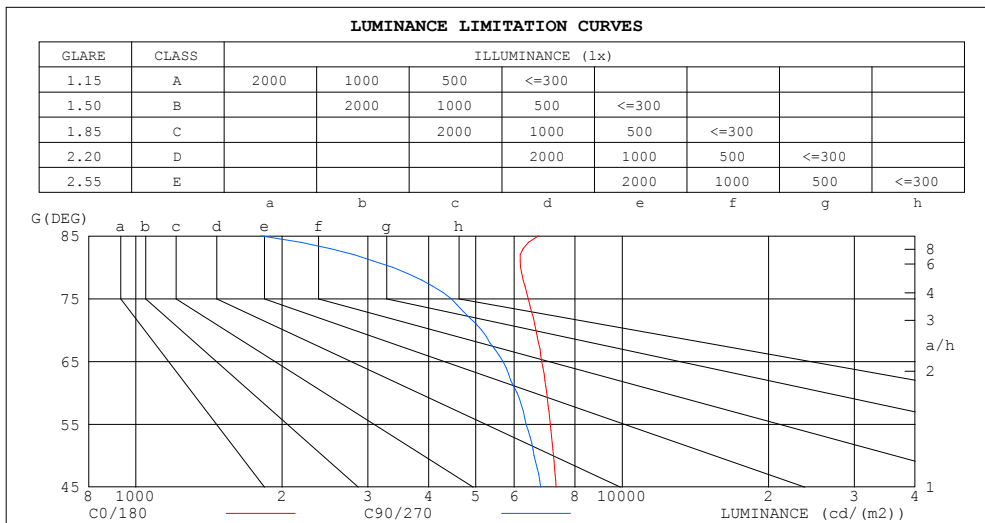
%lamp = 77.1%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-23

γ Range: 0 - 120DEG
 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:0.6543A P:15.70W PF:1.000 Freq:50.00Hz Lamp Flux:253.32x1 lm		
NAME: SF15-24V-2835-120-2700+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122313
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	6725	1809
80	6185	3372
75	6413	4447
70	6652	5141
65	6830	5686
60	6998	6077
55	7119	6340
50	7224	6588
45	7318	6798

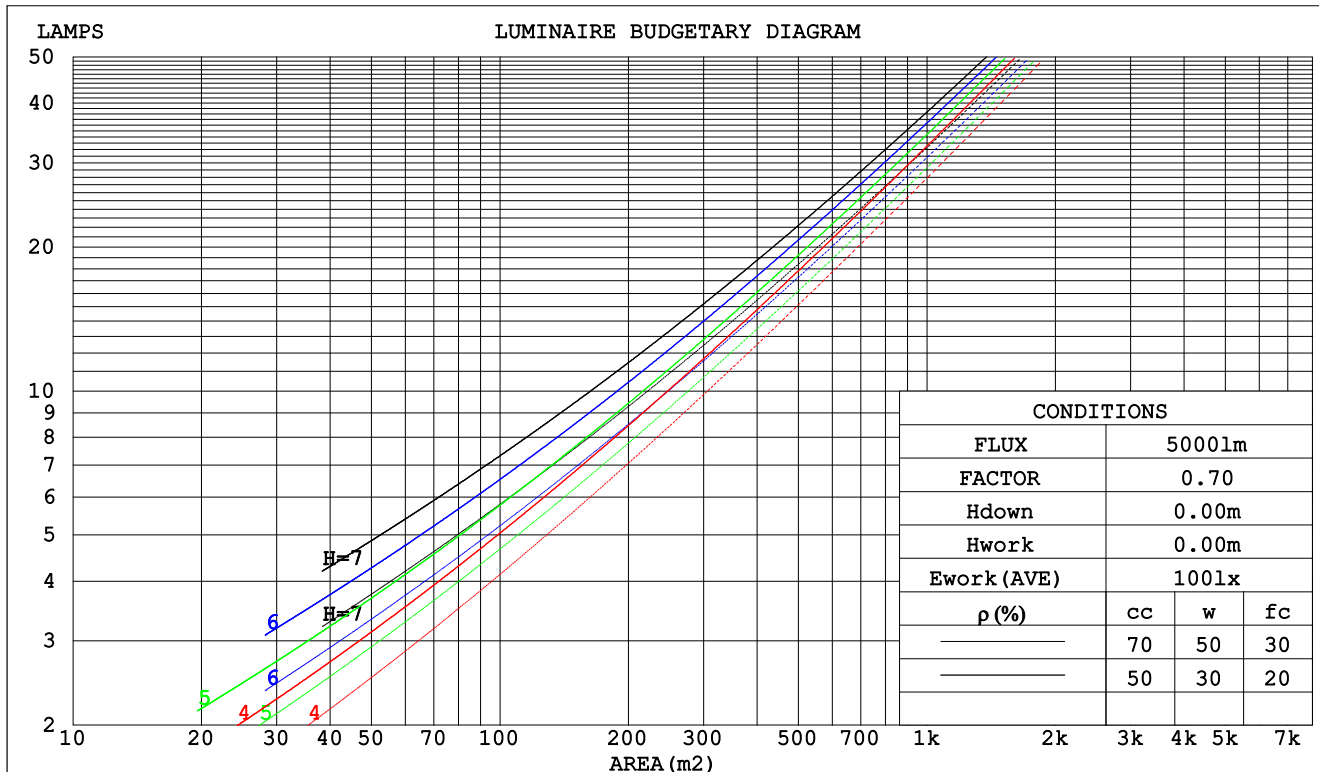
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-23

γ Range: 0 - 120DEG
 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:0.6543A P:15.70W PF:1.000 Freq:50.00Hz Lamp Flux:253.32x1 lm		
NAME: SF15-24V-2835-120-2700+5700-80	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122313
MFR.: OLYMPIA	SUR.:1*0.0115	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	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.90	.87	.88	.86	.84	.82
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.76	.72	.77	.74	.70	.68
3.0	.79	.71	.64	.77	.70	.63	.74	.67	.62	.71	.65	.61	.68	.64	.60	.57
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-23

γ Range: 0 - 120DEG
 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:0.6543A P:15.70W PF:1.000 Freq:50.00Hz Lamp Flux:253.32x1 lm		
NAME: SF15-24V-2835-120-2700+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122313
MFR.: OLYMPIA	SUR.:1*0.0115	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 Coeffcients (WEC)									
0.0																
1.0	.314	.178	.057	.306	.175	.055	.292	.168	.054	.279	.161	.052	.267	.155	.050	
2.0	.293	.161	.049	.287	.158	.049	.274	.152	.047	.263	.147	.046	.252	.143	.045	
3.0	.271	.144	.043	.265	.142	.043	.254	.137	.042	.243	.133	.041	.234	.130	.040	
4.0	.249	.130	.038	.244	.128	.038	.234	.124	.037	.225	.121	.036	.217	.118	.036	
5.0	.230	.117	.034	.226	.116	.034	.217	.113	.033	.209	.110	.033	.201	.107	.032	
6.0	.214	.107	.031	.209	.106	.030	.202	.103	.030	.194	.101	.030	.187	.099	.029	
7.0	.199	.098	.028	.195	.097	.028	.188	.095	.027	.181	.093	.027	.175	.091	.027	
8.0	.185	.091	.025	.182	.090	.025	.176	.088	.025	.170	.086	.025	.164	.084	.025	
9.0	.174	.084	.023	.171	.083	.023	.165	.082	.023	.160	.080	.023	.155	.079	.023	
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.021	.151	.075	.021	.146	.073	.021	

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	.202	.202	.202	.172	.172	.172	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.192	.167	.145	.164	.144	.125	.112	.099	.086	.065	.057	.050	.021	.018	.016	
2.0	.184	.143	.109	.157	.123	.094	.108	.085	.066	.062	.050	.039	.020	.016	.013	
3.0	.176	.126	.086	.151	.108	.074	.104	.075	.052	.060	.044	.031	.019	.014	.010	
4.0	.168	.112	.070	.144	.097	.061	.099	.068	.043	.057	.040	.025	.018	.013	.008	
5.0	.161	.102	.059	.138	.088	.051	.095	.062	.036	.055	.036	.021	.018	.012	.007	
6.0	.154	.094	.051	.132	.081	.044	.091	.057	.031	.053	.033	.019	.017	.011	.006	
7.0	.147	.087	.045	.126	.075	.039	.087	.053	.028	.051	.031	.016	.016	.010	.005	
8.0	.140	.081	.040	.121	.070	.035	.084	.049	.025	.049	.029	.015	.016	.010	.005	
9.0	.134	.076	.037	.116	.066	.032	.080	.046	.023	.047	.027	.014	.015	.009	.005	
10.0	.129	.072	.034	.111	.062	.030	.077	.044	.021	.045	.026	.013	.015	.009	.004	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-23

γ Range: 0 - 120DEG
 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:0.6543A P:15.70W PF:1.000 Freq:50.00Hz Lamp Flux:253.32x1 lm											
NAME: SF15-24V-2835-120-2700+5700-80						TYPE:硅胶			WEIGHT:		
SPEC.:						DIM.: 21mm*11.5mm			SERIAL No.:2021122313		
MFR.: OLYMPIA						SUR.:1*0.0115			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	24.5	26.0	24.8	26.3	26.5	24.1	25.6	24.4	25.8	26.1	
	3H	26.2	27.6	26.5	27.8	28.1	25.5	26.9	25.8	27.1	27.4
	4H	26.9	28.2	27.2	28.5	28.8	26.0	27.3	26.3	27.6	27.8
	6H	27.4	28.7	27.8	29.0	29.3	26.2	27.5	26.6	27.8	28.1
	8H	27.6	28.8	28.0	29.1	29.5	26.3	27.5	26.7	27.8	28.1
	12H	27.8	28.9	28.2	29.3	29.6	26.3	27.4	26.7	27.8	28.1
4H	2H	25.2	26.5	25.5	26.8	27.0	24.8	26.1	25.1	26.4	26.7
	3H	27.0	28.2	27.4	28.5	28.8	26.4	27.6	26.8	27.9	28.2
	4H	27.8	28.9	28.2	29.2	29.6	27.1	28.1	27.5	28.5	28.9
	6H	28.5	29.5	28.9	29.8	30.2	27.5	28.4	27.9	28.8	29.2
	8H	28.8	29.7	29.2	30.1	30.5	27.6	28.5	28.0	28.9	29.3
	12H	29.0	29.8	29.5	30.2	30.7	27.6	28.4	28.1	28.9	29.3
8H	4H	28.1	29.0	28.6	29.4	29.8	27.5	28.3	27.9	28.7	29.2
	6H	29.0	29.7	29.5	30.2	30.6	28.1	28.8	28.6	29.3	29.7
	8H	29.4	30.0	29.9	30.5	31.0	28.3	29.0	28.8	29.4	29.9
	12H	29.7	30.3	30.2	30.8	31.3	28.4	29.0	28.9	29.4	30.0
12H	4H	28.1	28.9	28.6	29.4	29.8	27.5	28.3	28.0	28.7	29.2
	6H	29.1	29.7	29.5	30.2	30.6	28.2	28.9	28.7	29.3	29.8
	8H	29.5	30.1	30.0	30.5	31.0	28.5	29.0	29.0	29.5	30.0
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4					
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.4					

CIE Pub.117, 253.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.8)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-23

γ Range: 0 - 120DEG
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:0.6543A P:15.70W PF:1.000 Freq:50.00Hz Lamp Flux:253.32x1 lm		
NAME: SF15-24V-2835-120-2700+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122313
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

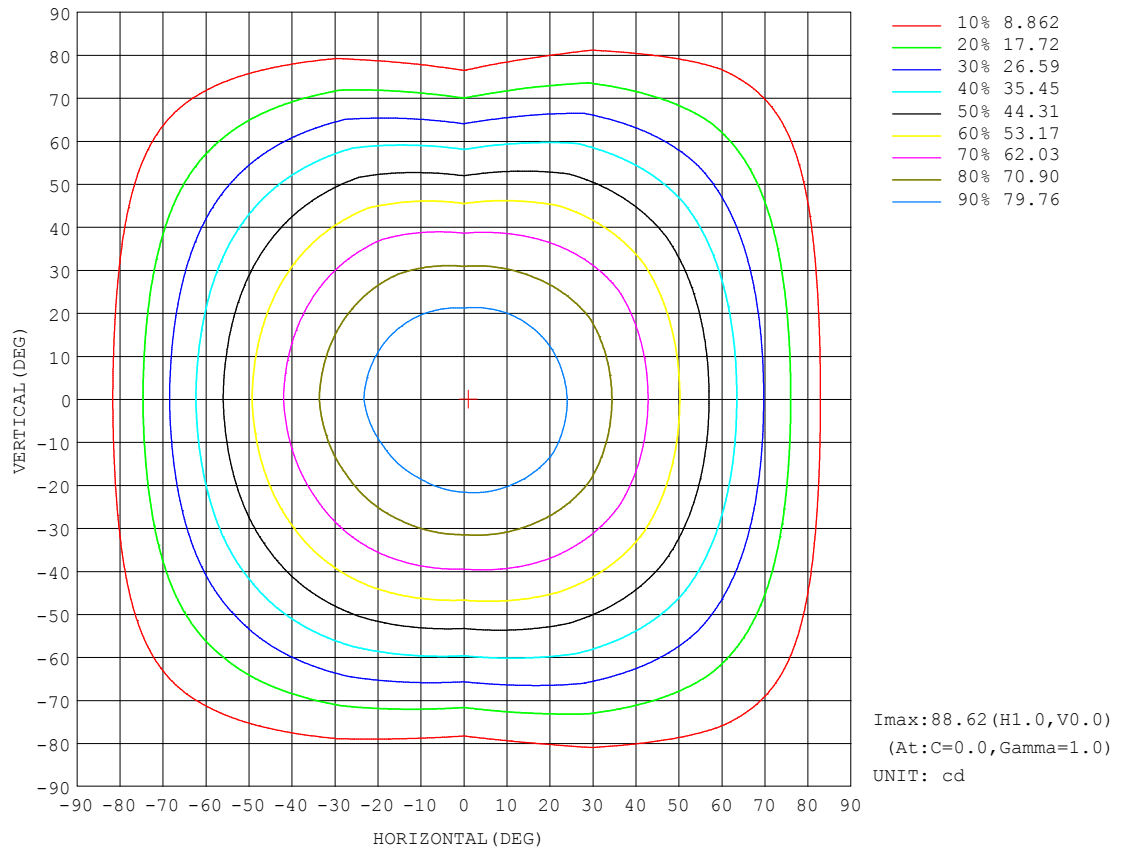
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	49
1.25	82	72	64	81	71	64	78	69	63	56
1.50	87	77	70	86	76	70	82	75	69	61
2.00	94	86	79	92	84	78	89	82	77	68
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	99	93	88	95	90	85	77
4.00	106	100	95	103	98	93	99	94	91	81
5.00	108	103	99	105	101	97	101	97	94	84
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: 2021-12-23

γ Range: 0 - 120DEG
 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:0.6543A P:15.70W PF:1.000 Freq:50.00Hz Lamp Flux:253.32x1 lm		
NAME: SF15-24V-2835-120-2700+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122313
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

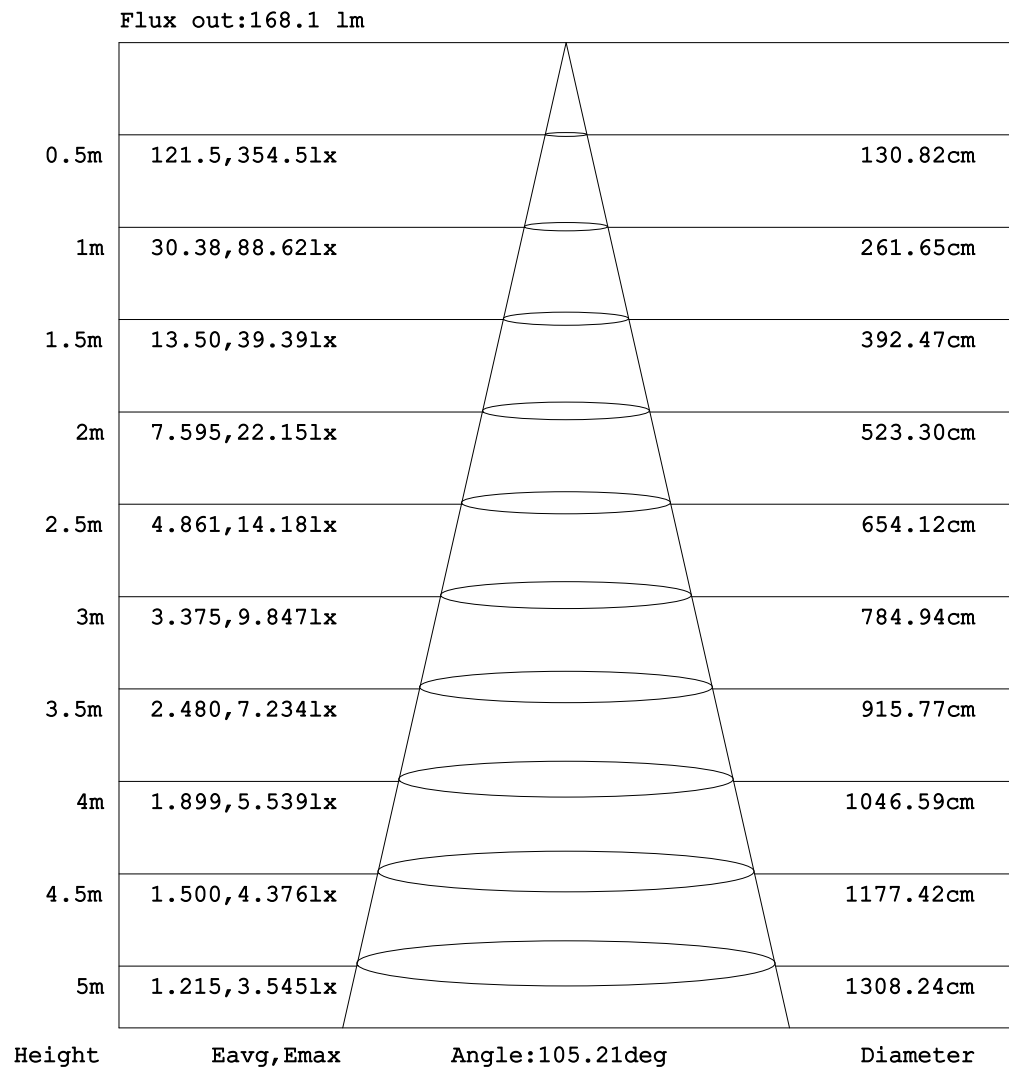


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-12-23

γ Range: 0 - 120DEG
 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:0.6543A P:15.70W PF:1.000 Freq:50.00Hz Lamp Flux:253.32x1 lm		
NAME: SF15-24V-2835-120-2700+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122313
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



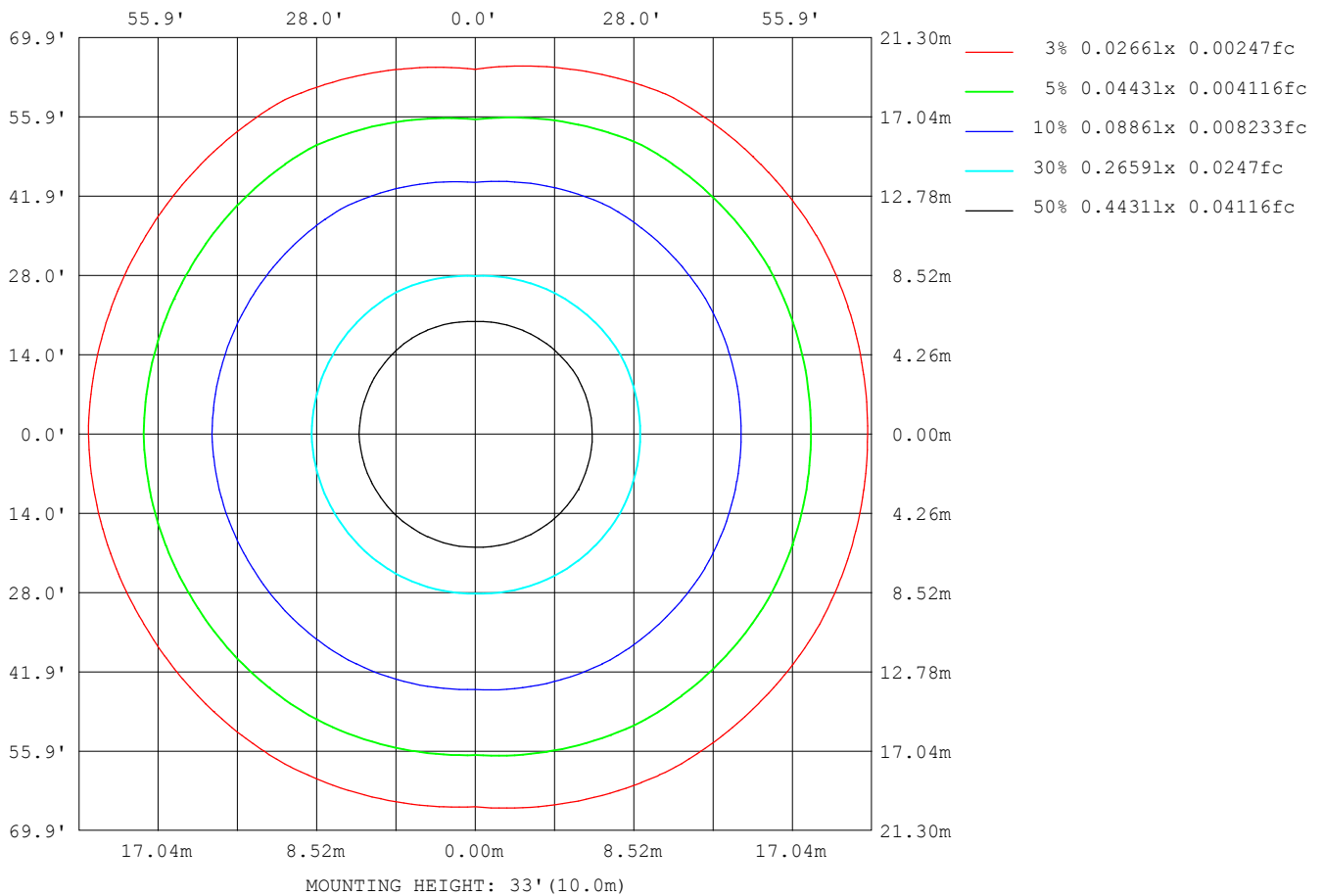
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-23

γ Range: 0 - 120DEG
 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:0.6543A P:15.70W PF:1.000 Freq:50.00Hz Lamp Flux:253.32x1 lm		
NAME: SF15-24V-2835-120-2700+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122313
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-23

γ Range: 0 - 120DEG
 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:0.6543A P:15.70W PF:1.000 Freq:50.00Hz Lamp Flux:253.32x1 lm		
NAME: SF15-24V-2835-120-2700+5700-80	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122313
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

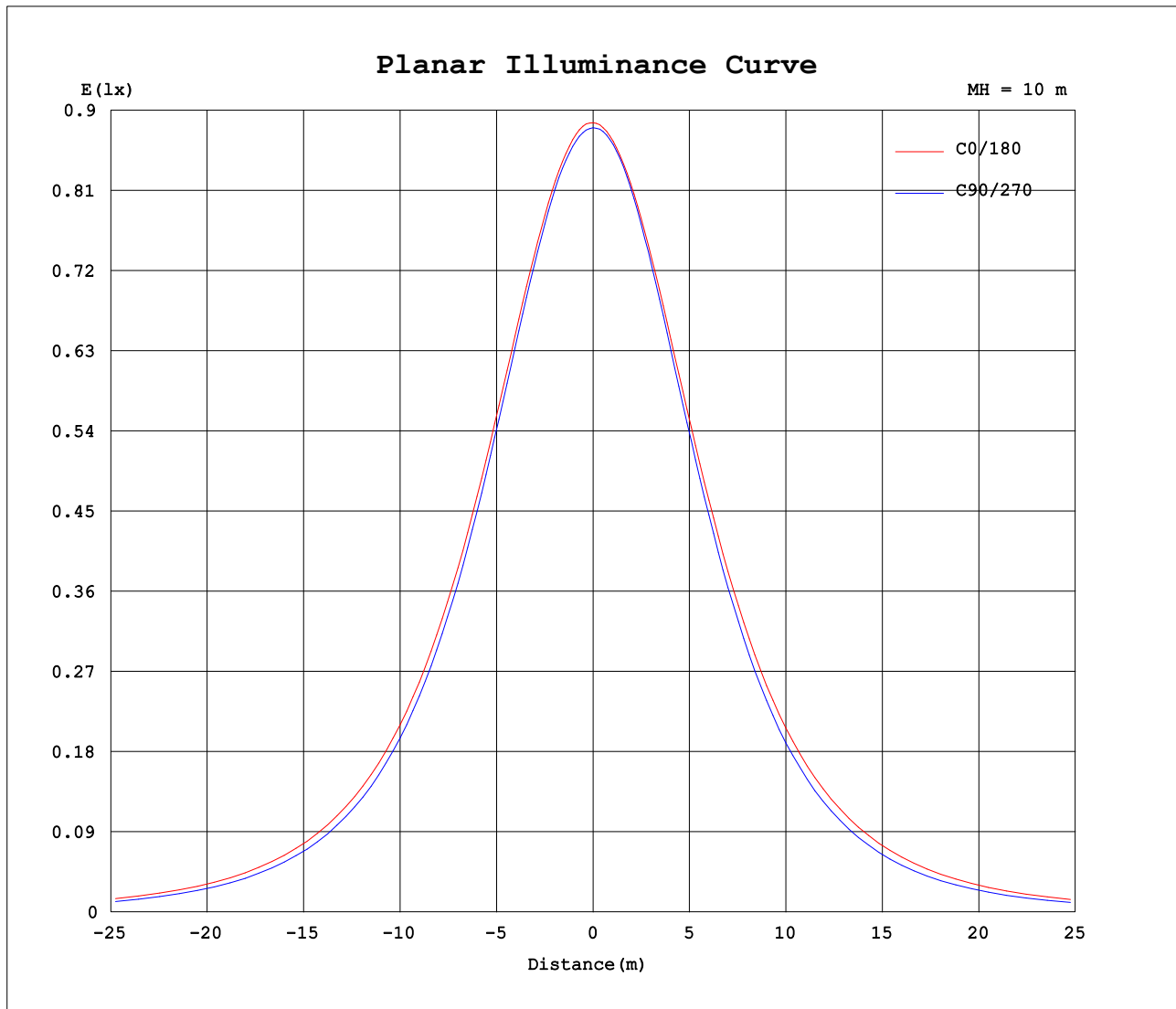
AvgL	cd/m2
L_0~180 (65) av	6668
L_0~180 (75) av	6102
L_0~180 (85) av	6196
L_90~270 (65) av	5419
L_90~270 (75) av	4022
L_90~270 (85) av	1283
L_45 (65) av	6603
L_45 (75) av	6017
L_45 (85) av	5626

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-23

γ Range: 0 - 120DEG
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: 2021-12-23

γ Range: 0 - 120DEG
 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:0.6543A P:15.70W PF:1.000 Freq:50.00Hz Lamp Flux:253.32x1 lm		
NAME: SF15-24V-2835-120-2700+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122313
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	88.6	88.4	88.2	88.0	88.0	87.9	88.6	88.4	88.2	88.0	88.0	87.9						
5	88.3	88.1	87.9	87.6	87.4	87.3	88.1	87.9	87.8	87.7	87.8	87.8						
10	87.1	87.0	86.8	86.4	86.0	85.9	86.8	86.6	86.5	86.4	86.7	86.8						
15	85.2	85.1	84.6	84.0	83.6	83.7	84.8	84.4	84.2	84.0	84.5	84.9						
20	82.4	82.5	81.7	80.9	80.5	80.8	82.0	81.6	81.1	80.7	81.5	82.1						
25	79.0	79.1	78.0	77.0	76.7	77.2	78.5	78.0	77.4	76.5	77.7	78.5						
30	75.0	75.0	73.6	72.4	72.3	73.0	74.3	73.8	73.2	71.8	73.1	74.6						
35	70.3	70.3	68.7	67.2	67.5	68.1	69.5	69.0	68.5	66.3	68.1	70.3						
40	65.2	65.2	63.4	61.4	62.2	62.7	64.2	63.7	63.2	60.2	62.7	65.3						
45	59.5	59.5	57.8	55.3	56.4	56.9	58.5	58.0	57.5	53.8	57.5	59.7						
50	53.4	53.5	51.9	48.7	50.3	50.7	52.3	51.7	51.5	47.0	52.1	53.8						
55	47.0	47.1	45.6	41.8	43.8	44.2	45.7	45.1	45.0	39.9	45.9	47.6						
60	40.2	40.4	39.0	34.9	37.0	37.3	38.8	38.1	38.2	32.5	39.4	40.9						
65	33.2	33.5	32.1	27.6	30.0	30.2	31.6	30.9	31.1	25.0	32.6	33.9						
70	26.2	26.5	25.1	20.2	22.9	23.0	24.4	23.7	23.8	17.7	25.6	26.8						
75	19.1	19.5	18.1	13.2	15.8	16.0	17.2	16.5	16.5	10.7	18.6	19.7						
80	12.4	12.6	11.4	6.73	9.31	9.69	10.7	9.99	9.63	4.63	11.8	12.8						
85	6.74	6.79	5.63	1.81	4.19	4.98	5.68	4.93	4.17	0.76	5.76	6.97						
90	3.27	3.17	2.20	0.87	1.79	2.27	2.41	1.98	1.34	0.44	1.95	3.12						
95	1.58	1.57	1.47	0.94	1.57	1.67	1.09	1.14	1.08	0.47	1.00	1.38						
100	1.18	1.32	1.38	1.03	1.52	1.53	0.88	1.08	1.01	0.53	0.97	0.89						
105	1.18	1.37	1.29	1.12	1.34	1.55	0.68	1.08	0.87	0.72	0.85	0.93						
110	1.20	1.40	1.40	1.16	1.44	1.56	0.48	1.08	1.04	0.75	1.03	1.00						
115	1.25	0.99	1.51	1.21	1.52	1.00	0.28	1.09	0.86	0.76	1.09	1.03						
120	1.32	0.28	1.43	1.22	1.57	0.28	0.08	0.18	0.24	0.85	0.99	1.09						
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-23

γ Range: 0 - 120DEG
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	88.62	88.39	88.22	88.03	88.00	87.92	88.62	88.39	88.22	88.03
3.0	88.57	88.31	88.16	87.84	87.74	87.65	88.42	88.21	88.05	87.97
6.0	88.15	87.94	87.74	87.39	87.15	87.08	87.94	87.70	87.59	87.56
9.0	87.44	87.28	87.04	86.65	86.30	86.23	87.15	86.89	86.82	86.80
12.0	86.43	86.35	86.05	85.49	85.14	85.11	86.11	85.80	85.69	85.56
15.0	85.16	85.12	84.61	84.03	83.61	83.69	84.79	84.41	84.17	83.97
18.0	83.63	83.65	82.95	82.29	81.81	82.00	83.22	82.81	82.40	82.11
21.0	81.83	81.90	80.99	80.20	79.76	80.15	81.34	80.91	80.44	79.90
24.0	79.77	79.81	78.76	77.91	77.47	77.93	79.26	78.73	78.17	77.40
27.0	77.50	77.50	76.27	75.33	75.01	75.52	76.88	76.37	75.88	74.76
30.0	74.97	75.03	73.57	72.41	72.32	72.95	74.33	73.77	73.20	71.75
33.0	72.23	72.28	70.67	69.41	69.43	70.07	71.55	70.96	70.45	68.51
36.0	69.33	69.31	67.68	66.10	66.47	66.99	68.52	68.00	67.46	65.21
39.0	66.26	66.25	64.53	62.69	63.30	63.84	65.35	64.82	64.27	61.48
42.0	62.95	62.97	61.23	59.16	59.92	60.47	61.99	61.44	61.03	57.89
45.0	59.51	59.52	57.84	55.28	56.43	56.93	58.45	57.96	57.54	53.77
48.0	55.89	55.98	54.28	51.47	52.78	53.29	54.80	54.24	53.88	49.78
51.0	52.15	52.23	50.63	47.44	49.00	49.44	50.96	50.38	50.21	45.65
54.0	48.28	48.39	46.89	43.30	45.10	45.49	47.01	46.47	46.31	41.32
57.0	44.31	44.47	43.00	39.23	41.09	41.45	42.94	42.35	42.25	36.92
60.0	40.24	40.43	39.02	34.94	37.00	37.29	38.76	38.06	38.16	32.48
63.0	36.08	36.31	34.92	30.51	32.82	33.03	34.50	33.87	33.82	28.22
66.0	31.81	32.15	30.66	26.13	28.57	28.78	30.19	29.57	29.58	23.54
69.0	27.56	27.89	26.51	21.66	24.27	24.46	25.83	25.14	25.23	19.26
72.0	23.33	23.63	22.41	17.25	20.03	20.16	21.48	20.80	20.75	14.93
75.0	19.09	19.45	18.13	13.24	15.85	16.04	17.24	16.51	16.46	10.70
78.0	14.96	15.27	14.09	9.251	11.79	12.05	13.22	12.39	12.27	7.021
81.0	11.10	11.32	10.22	5.548	8.133	8.579	9.573	8.825	8.395	3.612
84.0	7.717	7.800	6.672	2.625	5.007	5.791	6.574	5.780	5.096	1.214
87.0	5.099	5.075	3.868	1.059	2.866	3.639	4.120	3.464	2.673	0.5085
90.0	3.272	3.167	2.200	0.8747	1.787	2.274	2.408	1.984	1.345	0.4446
93.0	2.104	2.028	1.559	0.9148	1.583	1.746	1.405	1.258	1.112	0.4472
96.0	1.444	1.431	1.449	0.9601	1.571	1.636	1.040	1.126	1.070	0.4724
99.0	1.182	1.307	1.396	1.010	1.542	1.518	0.9202	1.081	1.028	0.5176
102.0	1.181	1.332	1.344	1.091	1.468	1.545	0.8002	1.081	1.000	0.6529
105.0	1.181	1.367	1.292	1.117	1.338	1.551	0.6801	1.081	0.8696	0.7236
108.0	1.181	1.387	1.326	1.143	1.362	1.558	0.5601	1.081	0.9652	0.7369
111.0	1.216	1.412	1.457	1.169	1.482	1.564	0.4401	1.080	1.076	0.7503
114.0	1.246	1.130	1.506	1.196	1.508	1.137	0.3201	1.080	0.9784	0.7636
117.0	1.261	0.7062	1.515	1.212	1.534	0.7108	0.2000	0.7237	0.6115	0.7789
120.0	1.322	0.2825	1.427	1.221	1.568	0.2843	0.0800	0.1809	0.2446	0.8494
G/C	300.0	330.0								
0.0	88.00	87.92								
3.0	87.95	87.96								
6.0	87.64	87.66								
9.0	87.02	87.07								
12.0	85.96	86.13								
15.0	84.52	84.95								
18.0	82.79	83.41								
21.0	80.77	81.37								
24.0	78.49	79.27								
27.0	75.93	76.94								
30.0	73.12	74.62								
33.0	70.11	72.16								
36.0	66.98	69.32								
39.0	63.77	66.32								
42.0	60.68	63.18								
45.0	57.53	59.74								
48.0	54.32	56.18								
51.0	50.88	52.61								
54.0	47.14	48.76								
57.0	43.31	44.82								
60.0	39.36	40.88								
63.0	35.32	36.85								
66.0	31.22	32.54								
69.0	27.03	28.26								
72.0	22.80	24.12								
75.0	18.61	19.69								
78.0	14.47	15.78								
81.0	10.50	11.55								
84.0	6.833	8.109								
87.0	3.858	5.129								
90.0	1.946	3.121								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-23

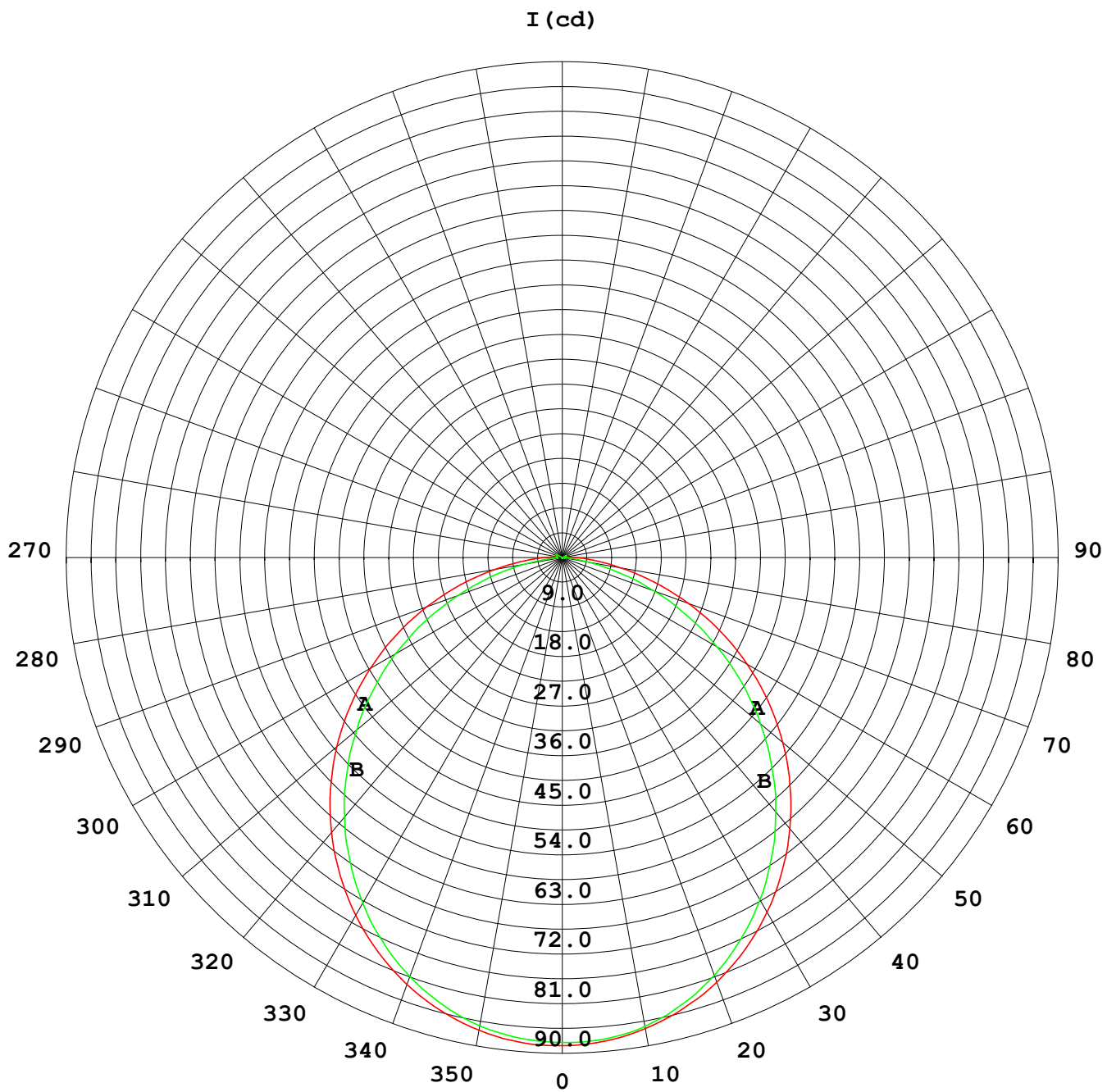
γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 9.200m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

93.0	1.129	1.858
96.0	0.9963	1.193
99.0	0.9762	0.9453
102.0	0.9561	0.8895
105.0	0.8494	0.9347
108.0	0.9403	0.9648
111.0	1.071	1.020
114.0	1.091	1.026
117.0	1.055	1.050
120.0	0.9901	1.091

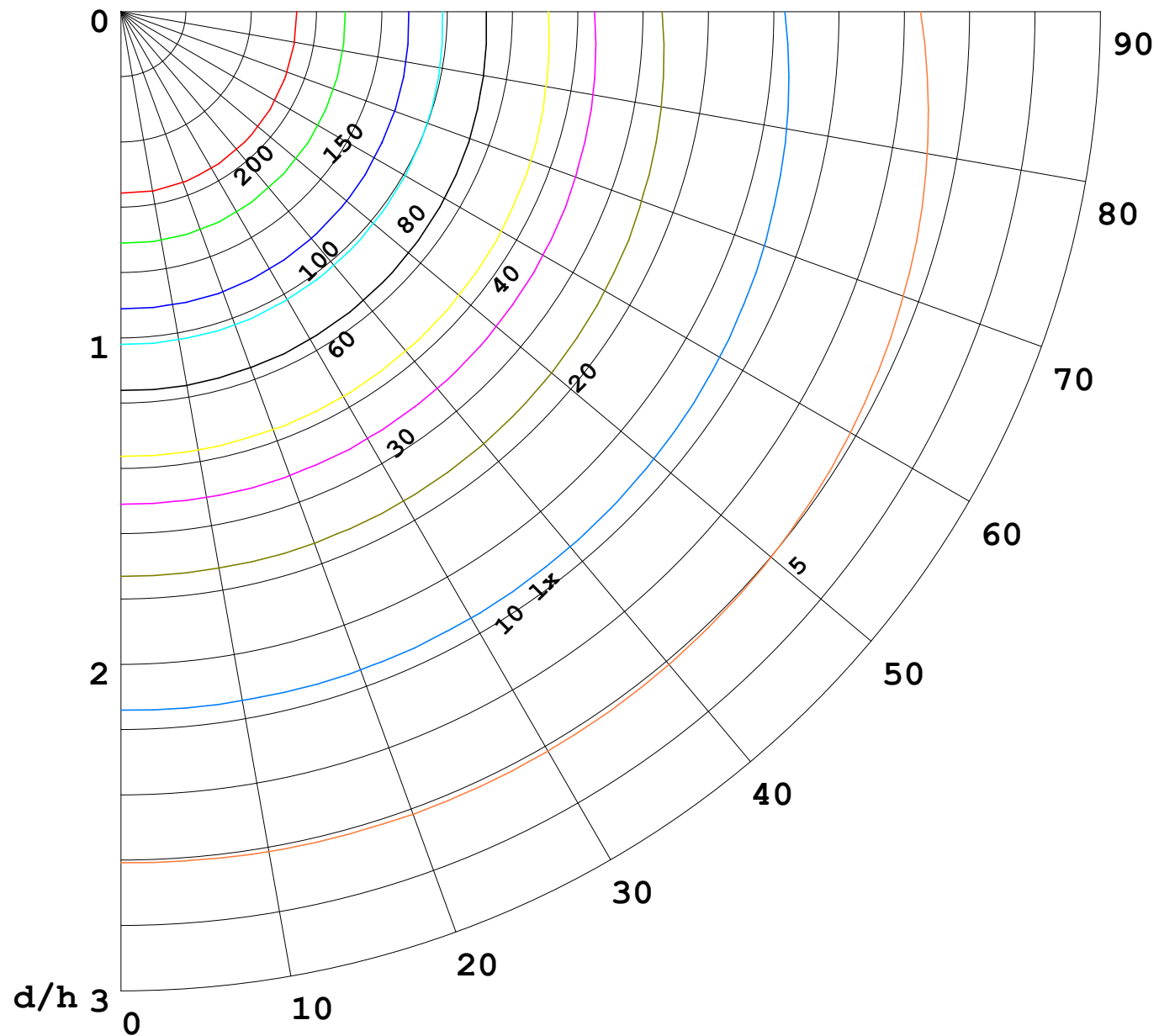
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
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γ Range: 0 - 120DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:



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

