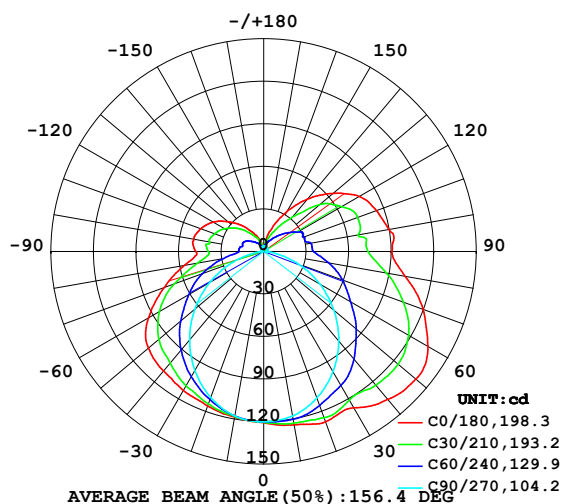


## LUMINAIRE PHOTOMETRIC TEST REPORT

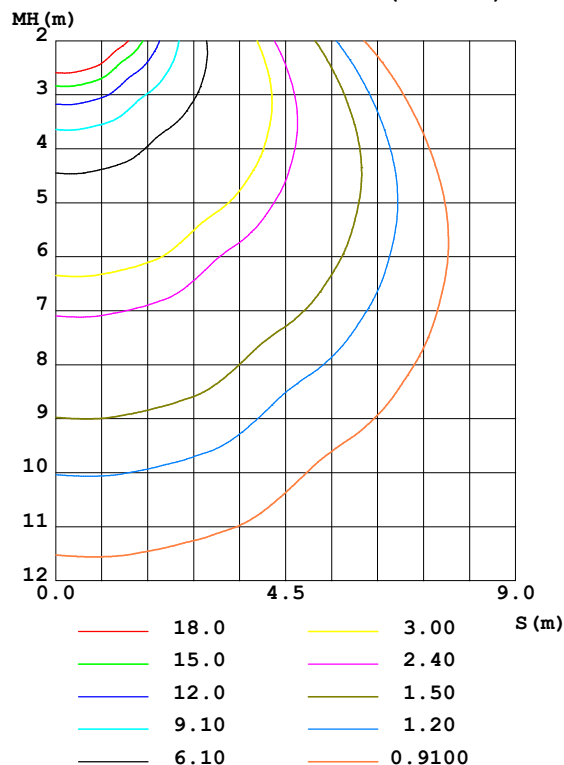
Test:U:24.00V I:0.6481A P:15.55W PF:1.000 Freq:0Hz Lamp Flux:680.282x1 lm		
NAME: SF18-24V-2835-120-3000+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022011106
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 43.74 lm/W			
MODEL	2835	I <sub>max</sub> (cd)	140.3	S/MH (C0/180)	1.42
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	1.21
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	680.28	η UP, DN (C0-180)	14.4, 38.3
NOMINAL FLUX (lm)	680.282	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	11.7, 35.6
LAMPS INSIDE	1	η up (%)	26.1	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	24.0	η down (%)	73.9	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: 2022-01-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 9.200m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	124.2	121.5	117.8	117.6	118.5	118.0	117.8	121.5	0- 10	11.47	11.47	1.69,1.69
20	127.9	120.1	109.8	112.5	115.9	112.8	109.6	119.7	10- 20	33.43	44.90	6.6,6.6
30	127.3	115.0	97.77	105.5	113.3	105.8	97.04	114.4	20- 30	52.21	97.10	14.3,14.3
40	136.2	111.1	82.45	96.21	110.1	96.71	81.40	110.6	30- 40	66.91	164.0	24.1,24.1
50	140.2	104.6	64.77	85.62	106.1	86.44	63.44	104.5	40- 50	76.76	240.8	35.4,35.4
60	133.7	94.38	45.65	72.34	93.88	73.03	44.04	94.21	50- 60	79.52	320.3	47.1,47.1
70	119.8	82.13	26.08	55.80	74.77	56.70	24.18	81.98	60- 70	73.89	394.2	57.9,57.9
80	101.4	67.22	8.411	37.72	56.80	38.09	6.972	67.15	70- 80	61.24	455.4	66.9,66.9
90	90.58	54.42	1.880	29.22	47.96	28.47	1.419	53.67	80- 90	46.98	502.4	73.9,73.9
100	89.64	50.81	2.177	28.54	50.25	28.00	1.668	50.00	90-100	42.87	545.3	80.2,80.2
110	84.72	50.44	2.392	26.77	47.30	26.42	1.785	49.51	100-110	39.68	584.9	86,86
120	77.84	45.49	2.694	23.62	41.49	23.34	2.085	42.82	110-120	35.13	620.1	91.2,91.2
130	63.84	35.62	2.925	18.57	32.69	18.48	2.402	33.86	120-130	26.78	646.9	95.1,95.1
140	48.29	22.85	3.352	13.55	24.01	13.38	2.859	20.96	130-140	17.29	664.1	97.6,97.6
150	32.12	14.11	3.719	8.933	15.48	8.991	3.267	13.02	140-150	9.538	673.7	99,99
160	18.00	8.359	3.774	5.408	9.029	5.390	3.498	8.161	150-160	4.537	678.2	99.7,99.7
170	5.835	5.380	3.794	3.601	3.568	3.601	3.669	5.325	160-170	1.676	679.9	99.9,99.9
180	3.810	3.784	3.835	3.840	3.769	3.739	3.825	3.850	170-180	0.3841	680.3	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 201.54 lm

%lum = 29.6%

%lamp = 29.6%

Conical surface Flux(120deg): 320.29 lm

%lum = 47.1%

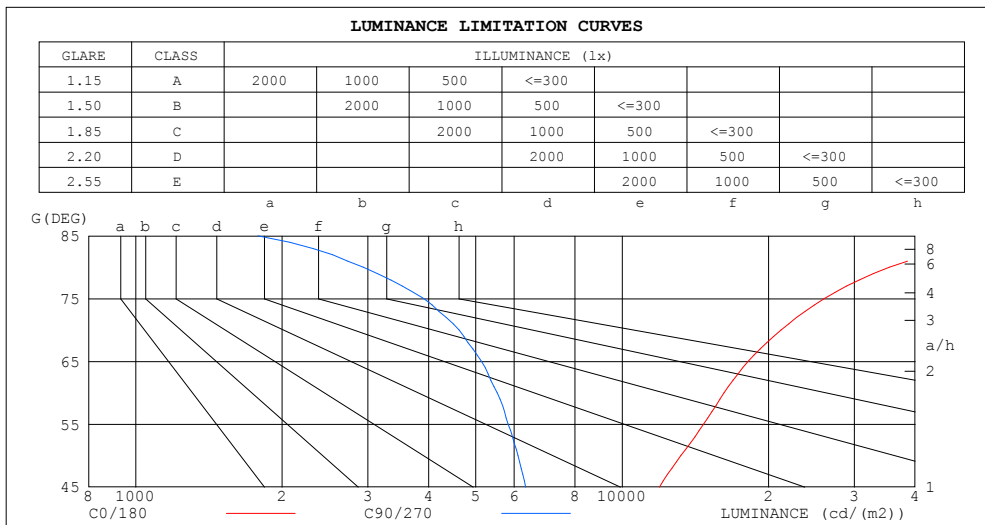
%lamp = 47.1%

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2022-01-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:9.200m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.6481A P:15.55W PF:1.000 Freq:0Hz Lamp Flux:680.282x1 lm		
NAME: SF18-24V-2835-120-3000+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022011106
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	65158	1783
80	35399	2936
75	26029	3913
70	21221	4621
65	18140	5142
60	16202	5534
55	14705	5830
50	13214	6107
45	11922	6330

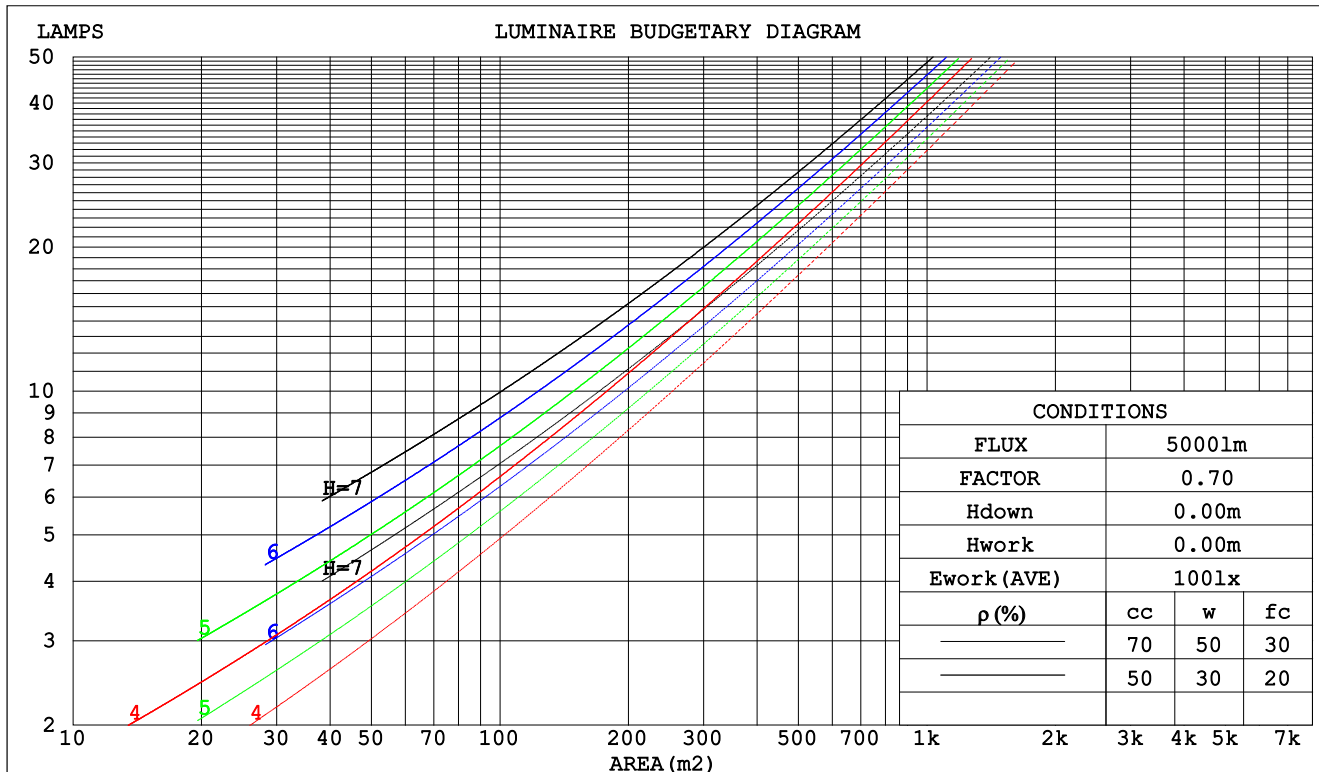
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2022-01-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.6481A P:15.55W PF:1.000 Freq:0Hz Lamp Flux:680.282x1 lm		
NAME: SF18-24V-2835-120-3000+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022011106
MFR.: OLYMPIA	SUR.:1*0.0165	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	1.13	1.13	1.13	1.07	1.07	1.07	.97	.97	.97	.87	.87	.87	.78	.78	.78	.74
1.0	.94	.89	.84	.89	.84	.80	.80	.76	.73	.72	.69	.66	.64	.62	.59	.55
2.0	.80	.72	.66	.76	.69	.63	.68	.63	.58	.61	.56	.52	.54	.51	.48	.44
3.0	.69	.60	.53	.66	.58	.51	.59	.52	.47	.53	.47	.43	.47	.43	.39	.36
4.0	.61	.51	.44	.58	.49	.43	.52	.45	.39	.46	.41	.36	.41	.37	.33	.29
5.0	.54	.44	.37	.51	.42	.36	.46	.39	.33	.41	.35	.31	.37	.32	.28	.25
6.0	.48	.39	.32	.46	.37	.31	.41	.34	.29	.37	.31	.26	.33	.28	.24	.21
7.0	.43	.34	.28	.41	.33	.27	.37	.30	.25	.34	.28	.23	.30	.25	.21	.19
8.0	.39	.31	.25	.37	.29	.24	.34	.27	.22	.31	.25	.20	.28	.23	.19	.16
9.0	.36	.27	.22	.34	.26	.21	.31	.24	.20	.28	.22	.18	.25	.20	.17	.15
10.0	.33	.25	.20	.31	.24	.19	.29	.22	.18	.26	.20	.16	.24	.19	.15	.13



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2022-01-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

## WEC AND CCEC

Test:U:24.00V I:0.6481A P:15.55W PF:1.000 Freq:0Hz Lamp Flux:680.282x1 lm		
NAME: SF18-24V-2835-120-3000+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022011106
MFR.: OLYMPIA	SUR.:1*0.0165	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	.379	.216	.068	.364	.208	.066	.336	.193	.062	.310	.179	.057	.286	.166	.053		
2.0	.329	.181	.055	.316	.174	.054	.290	.161	.050	.266	.149	.047	.244	.138	.044		
3.0	.293	.156	.047	.281	.150	.045	.257	.139	.042	.235	.129	.040	.215	.119	.037		
4.0	.264	.137	.040	.253	.132	.039	.231	.123	.037	.212	.114	.034	.193	.105	.032		
5.0	.240	.122	.035	.230	.118	.034	.210	.109	.032	.192	.101	.030	.175	.094	.028		
6.0	.220	.110	.032	.211	.106	.031	.193	.099	.029	.176	.091	.027	.160	.084	.025		
7.0	.203	.100	.028	.194	.097	.028	.178	.090	.026	.163	.083	.024	.148	.077	.023		
8.0	.188	.092	.026	.180	.089	.025	.165	.082	.024	.151	.076	.022	.138	.071	.021		
9.0	.175	.085	.024	.168	.082	.023	.154	.076	.022	.141	.071	.020	.128	.065	.019		
10.0	.164	.079	.022	.157	.076	.021	.144	.071	.020	.132	.066	.019	.120	.061	.017		

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	.390	.390	.390	.333	.333	.333	.227	.227	.227	.131	.131	.131	.042	.042	.042	
1.0	.386	.356	.330	.330	.306	.284	.226	.210	.196	.130	.122	.114	.042	.039	.037	
2.0	.379	.334	.296	.325	.287	.256	.223	.199	.178	.128	.116	.105	.041	.037	.034	
3.0	.372	.318	.274	.319	.274	.238	.219	.190	.167	.127	.111	.098	.041	.036	.032	
4.0	.365	.306	.260	.313	.264	.226	.215	.184	.159	.124	.108	.094	.040	.035	.031	
5.0	.357	.296	.251	.307	.256	.218	.211	.179	.154	.122	.105	.091	.039	.034	.030	
6.0	.350	.288	.244	.301	.250	.212	.208	.175	.150	.120	.103	.089	.039	.034	.029	
7.0	.343	.282	.239	.295	.244	.208	.204	.171	.147	.118	.101	.088	.038	.033	.029	
8.0	.336	.276	.235	.290	.240	.205	.200	.168	.145	.117	.099	.087	.038	.033	.029	
9.0	.330	.272	.232	.285	.236	.202	.197	.166	.144	.115	.098	.086	.037	.032	.028	
10.0	.324	.267	.229	.280	.232	.200	.194	.163	.142	.113	.097	.085	.037	.032	.028	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2022-01-11

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:9.200m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.00V I:0.6481A P:15.55W PF:1.000 Freq:0Hz Lamp Flux:680.282x1 lm										
NAME: SF18-24V-2835-120-3000+5700-80					TYPE: 硅胶			WEIGHT:		
SPEC.:					DIM.: 16.5mm*16.5mm			SERIAL No.:2022011106		
MFR.: OLYMPIA					SUR.:1*0.0165			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	23.2	24.4	23.8	25.1	25.8	18.9	20.1	19.5	20.8	21.5
3H	26.1	27.2	26.7	27.9	28.6	20.3	21.5	20.9	22.1	22.9
4H	27.6	28.7	28.3	29.4	30.2	20.9	22.0	21.5	22.6	23.4
6H	29.3	30.3	30.0	31.0	31.8	21.2	22.3	21.9	23.0	23.8
8H	30.2	31.2	30.9	31.9	32.7	21.3	22.3	22.0	23.0	23.8
12H	31.3	32.2	32.0	32.9	33.8	21.3	22.3	22.0	23.0	23.8
4H 2H	23.6	24.7	24.3	25.4	26.2	20.7	21.8	21.3	22.5	23.2
3H	26.8	27.8	27.5	28.5	29.3	22.4	23.4	23.1	24.1	24.9
4H	28.6	29.5	29.3	30.2	31.0	23.2	24.1	23.9	24.8	25.6
6H	30.5	31.2	31.2	32.0	32.9	23.8	24.6	24.5	25.3	26.2
8H	31.5	32.2	32.2	33.0	33.9	24.0	24.7	24.7	25.5	26.4
12H	32.7	33.4	33.5	34.1	35.1	24.1	24.8	24.9	25.6	26.5
8H 4H	28.8	29.6	29.6	30.3	31.3	24.8	25.5	25.5	26.3	27.2
6H	31.1	31.7	31.8	32.5	33.4	25.8	26.5	26.6	27.2	28.2
8H	32.3	32.9	33.1	33.7	34.6	26.3	26.8	27.1	27.6	28.6
12H	33.8	34.3	34.6	35.1	36.1	26.6	27.1	27.5	27.9	28.9
12H 4H	28.8	29.5	29.6	30.3	31.2	25.3	26.0	26.1	26.8	27.7
6H	31.2	31.7	31.9	32.5	33.5	26.6	27.2	27.4	28.0	29.0
8H	32.5	33.0	33.3	33.8	34.8	27.3	27.8	28.1	28.6	29.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 680.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.3)

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2022-01-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:9.200m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.6481A P:15.55W PF:1.000 Freq:0Hz Lamp Flux:680.282x1 lm		
NAME: SF18-24V-2835-120-3000+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022011106
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding Angle:

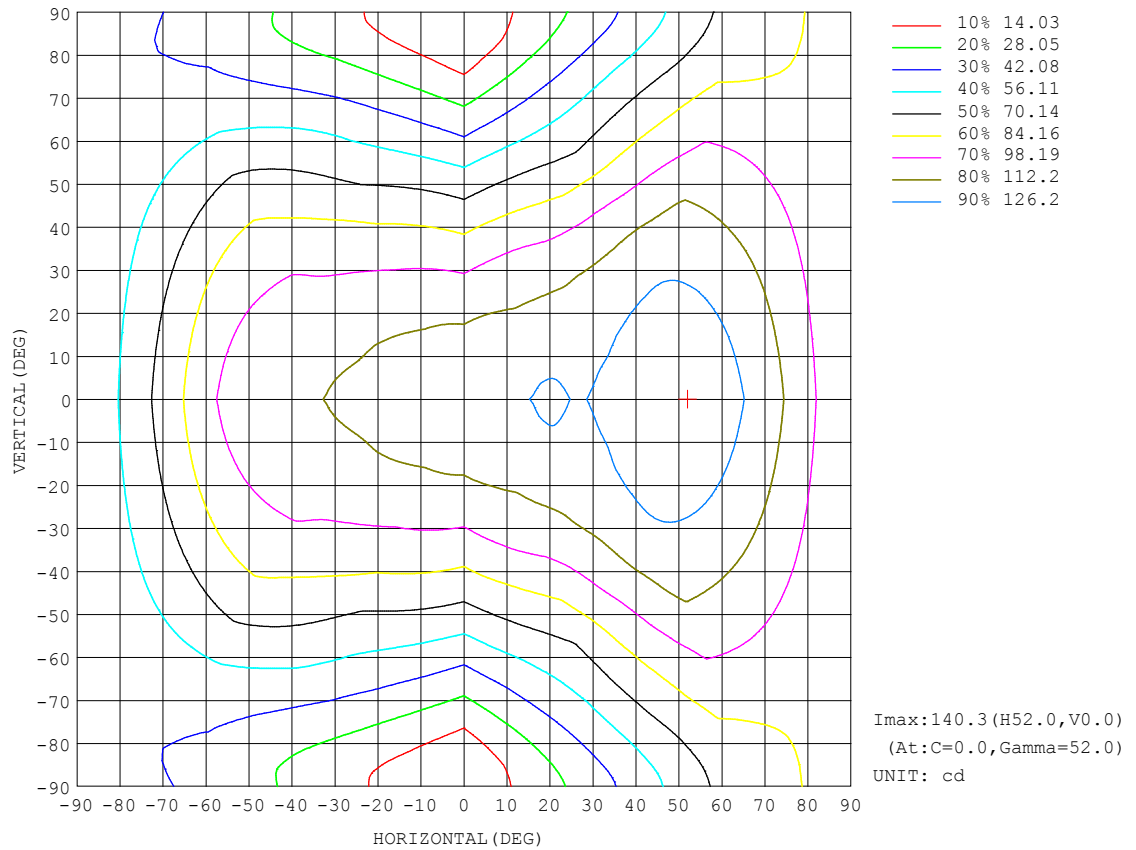
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	45	32	25	43	32	25	41	31	24	17
0.80	54	41	33	52	40	32	49	38	31	23
1.00	62	48	40	59	47	39	55	47	38	28
1.25	69	56	47	66	54	46	61	51	44	33
1.50	74	61	53	71	59	51	65	55	48	37
2.00	81	70	61	78	67	60	71	63	56	43
2.50	86	75	67	82	73	65	75	67	61	46
3.00	90	80	73	85	77	70	78	71	65	50
4.00	95	86	80	90	83	77	81	76	71	54
5.00	98	91	85	93	87	81	84	79	75	57
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: 2022-01-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 9.200m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:24.00V I:0.6481A P:15.55W PF:1.000 Freq:0Hz Lamp Flux:680.282x1 lm		
NAME: SF18-24V-2835-120-3000+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022011106
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding Angle:



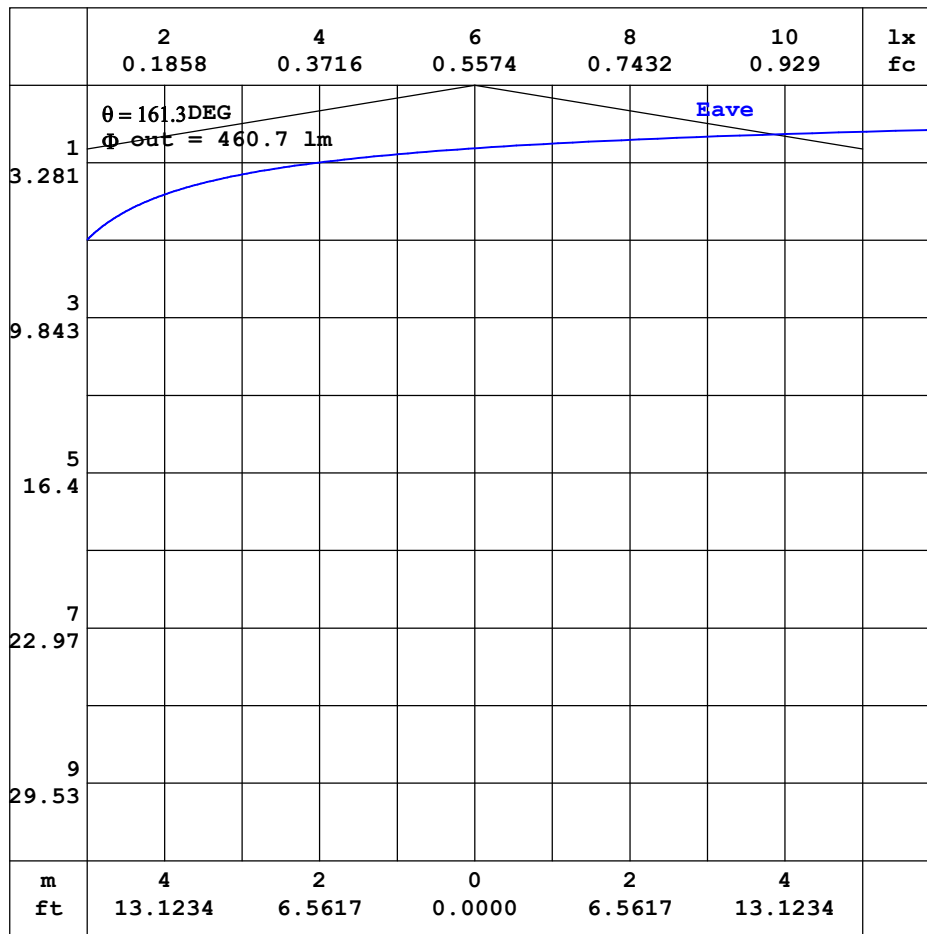
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2022-01-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:



## AAI CURVES

Test:U:24.00V I:0.6481A P:15.55W PF:1.000 Freq:0Hz Lamp Flux:680.282x1 lm		
NAME: SF18-24V-2835-120-3000+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022011106
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding Angle:



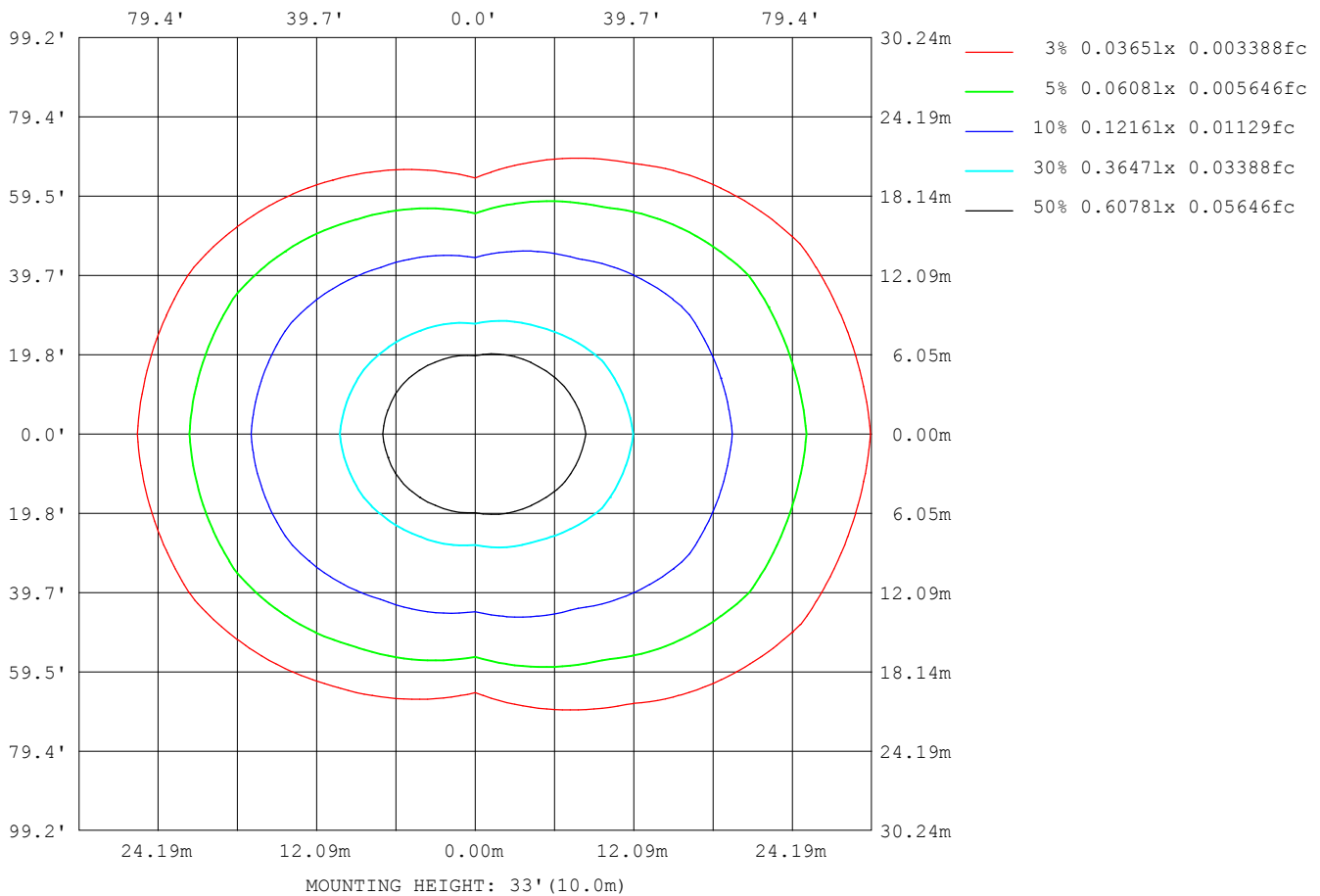
Note: The Curves indicate the illuminated area and the average illuminance when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LPC  
 Test Date: 2022-01-11

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 9.200m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:24.00V I:0.6481A P:15.55W PF:1.000 Freq:0Hz Lamp Flux:680.282x1 lm		
NAME: SF18-24V-2835-120-3000+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022011106
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2022-01-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:24.00V I:0.6481A P:15.55W PF:1.000 Freq:0Hz Lamp Flux:680.282x1 lm		
NAME: SF18-24V-2835-120-3000+5700-80	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022011106
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding Angle:

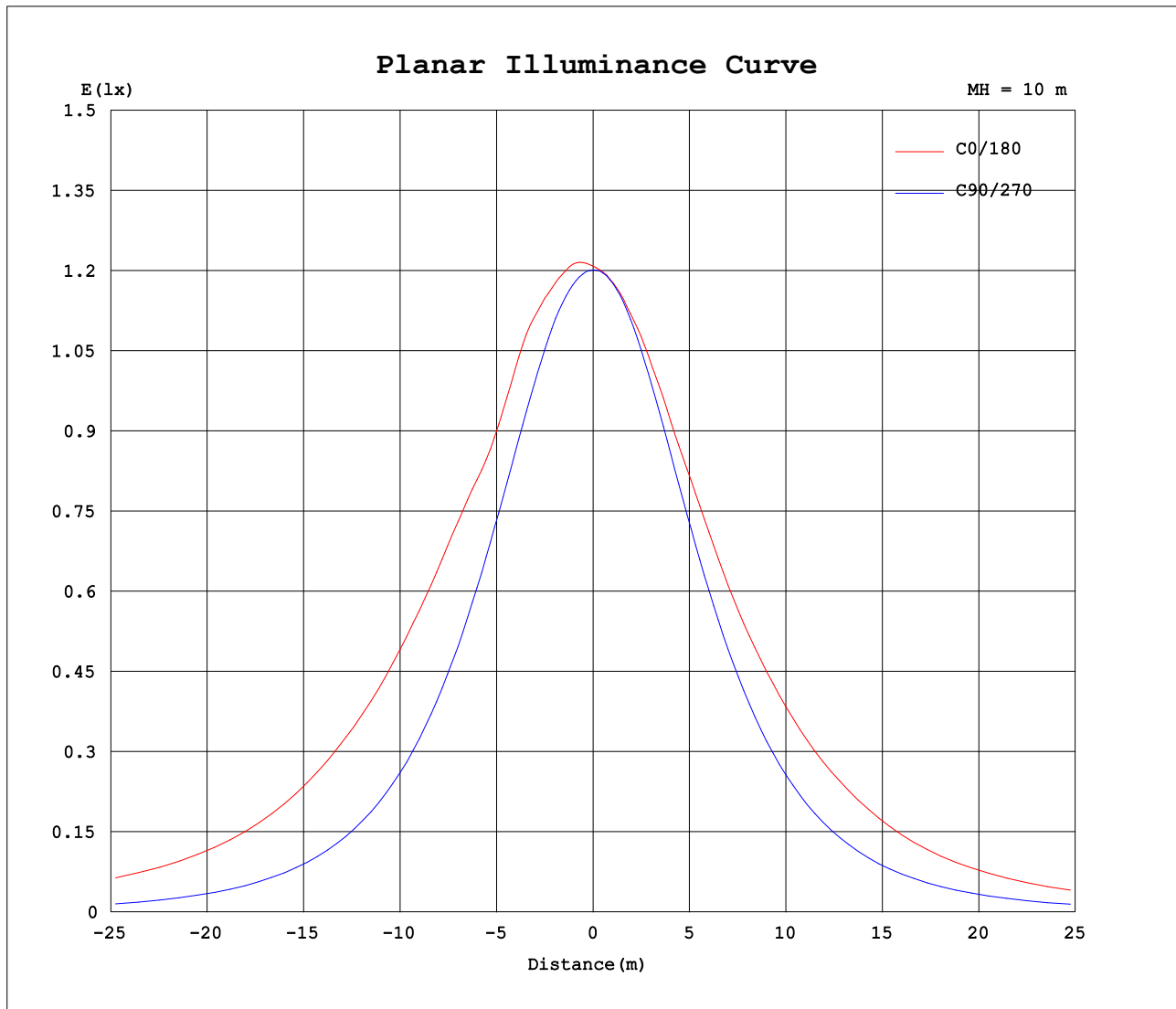
AvgL	cd/m2
L_0~180 (65) av	15136
L_0~180 (75) av	20716
L_0~180 (85) av	49778
L_90~270 (65) av	5014
L_90~270 (75) av	3691
L_90~270 (85) av	1510
L_45 (65) av	11139
L_45 (75) av	14500
L_45 (85) av	32098

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2022-01-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
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: 2022-01-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 9.200m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.6481A P:15.55W PF:1.000 Freq:0Hz Lamp Flux:680.282x1 lm		
NAME: SF18-24V-2835-120-3000+5700-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022011106
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	121	121	120	120	120	120	121	121	120	120	120	120							
5	123	122	120	120	119	119	120	120	120	120	120	120							
10	124	123	120	118	118	118	119	118	118	118	120	123							
15	126	123	119	114	115	116	118	117	115	114	119	123							
20	128	125	115	110	111	114	116	114	111	110	115	124							
25	126	124	112	104	107	111	114	112	107	104	111	123							
30	127	121	109	97.8	102	109	113	109	102	97.0	109	120							
35	133	121	105	90.4	96.3	106	111	106	96.7	89.5	105	120							
40	136	123	99.1	82.5	90.1	102	110	103	90.7	81.4	99.1	122							
45	139	124	91.9	73.8	83.4	99.5	109	99.9	84.0	72.7	92.8	123							
50	140	124	85.3	64.8	75.4	95.8	106	96.5	76.4	63.4	86.0	123							
55	139	122	78.1	55.2	67.5	90.4	102	91.2	68.3	53.8	78.9	121							
60	134	118	70.7	45.7	60.3	84.4	93.9	85.0	61.1	44.0	71.4	117							
65	126	112	64.8	35.9	53.2	76.3	84.6	77.0	54.2	34.1	65.4	112							
70	120	105	59.3	26.1	45.3	66.3	74.8	67.2	46.2	24.2	59.8	104							
75	111	96.9	53.2	16.7	36.7	55.8	65.8	56.5	37.6	14.8	53.7	96.3							
80	101	87.9	46.6	8.41	28.3	47.2	56.8	47.3	28.8	6.97	46.8	87.5							
85	93.7	79.3	40.1	2.56	20.9	40.7	49.5	40.4	21.0	1.78	40.0	78.5							
90	90.6	73.7	35.2	1.88	18.3	40.1	48.0	39.2	17.7	1.42	34.7	72.6							
95	92.0	72.6	34.4	1.96	18.1	41.5	49.9	40.7	17.6	1.43	33.7	71.4							
100	89.6	67.7	33.9	2.18	17.6	39.5	50.2	38.8	17.2	1.67	33.2	66.8							
105	86.9	70.6	30.1	2.33	15.9	39.0	49.3	38.6	15.5	1.74	29.5	69.2							
110	84.7	70.5	30.3	2.39	16.3	37.2	47.3	36.8	16.0	1.78	29.5	69.5							
115	82.0	68.8	30.4	2.54	16.1	35.2	44.8	34.8	15.8	1.89	27.4	68.0							
120	77.8	63.5	27.5	2.69	14.9	32.3	41.5	32.0	14.6	2.09	25.2	60.4							
125	71.0	58.5	23.7	2.81	13.3	29.2	37.5	28.9	13.0	2.24	22.8	55.5							
130	63.8	51.2	20.0	2.93	11.2	25.9	32.7	25.7	11.2	2.40	19.7	48.0							
135	56.3	40.0	16.8	3.14	9.92	22.4	28.3	22.3	9.73	2.64	15.9	38.4							
140	48.3	31.9	13.8	3.35	8.43	18.7	24.0	18.5	8.24	2.86	12.9	29.0							
145	40.1	24.9	11.3	3.48	7.14	15.0	19.2	15.0	7.19	2.99	10.5	22.9							
150	32.1	19.0	9.25	3.72	5.68	12.2	15.5	12.2	5.79	3.27	8.38	17.7							
155	24.8	14.2	7.65	3.75	4.49	10.00	12.3	10.0	4.45	3.39	7.45	13.3							
160	18.0	10.4	6.30	3.77	3.79	7.03	9.03	7.13	3.65	3.50	6.69	9.63							
165	12.7	7.78	5.35	3.79	3.61	4.60	5.68	4.66	3.52	3.60	5.81	7.22							
170	5.83	6.01	4.75	3.79	3.45	3.75	3.57	3.84	3.37	3.67	4.92	5.73							
175	4.15	4.46	4.15	3.83	3.24	3.41	3.44	3.56	3.23	3.75	4.18	4.38							
180	3.81	3.75	3.82	3.83	3.83	3.84	3.77	3.70	3.78	3.82	3.86	3.84							

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2022-01-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
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	120.9	120.5	120.1	120.1	120.2	120.2	120.9	120.5	120.1	120.1
3.0	122.0	121.3	120.3	119.9	119.8	119.7	120.2	120.0	119.8	120.1
6.0	123.2	122.2	120.4	119.3	119.1	119.0	119.6	119.4	119.2	119.5
9.0	123.8	122.9	120.3	118.2	118.0	118.2	119.0	118.7	118.3	118.4
12.0	124.8	123.1	119.8	116.7	116.7	117.1	118.2	117.6	116.8	116.6
15.0	126.1	123.4	118.7	114.5	114.5	116.3	117.6	116.8	114.9	114.3
18.0	127.7	124.3	116.9	111.9	112.4	114.9	116.5	115.4	112.7	111.6
21.0	127.7	125.1	114.7	108.8	110.1	113.7	115.5	113.9	110.4	108.5
24.0	126.5	124.7	112.7	105.5	107.6	111.9	114.5	112.2	107.9	105.0
27.0	125.7	122.9	110.8	101.9	104.7	110.4	114.0	110.6	105.0	101.2
30.0	127.3	120.9	109.1	97.77	101.8	109.2	113.3	109.5	102.1	97.04
33.0	130.9	120.1	107.1	93.58	98.61	107.4	112.1	107.8	99.01	92.60
36.0	133.8	121.3	104.1	88.94	95.09	105.1	110.9	105.6	95.53	87.94
39.0	135.5	122.9	100.4	84.00	91.40	103.0	110.1	103.5	91.91	83.04
42.0	137.6	123.5	96.27	79.13	87.46	101.0	109.7	101.4	88.08	77.93
45.0	139.1	123.8	91.94	73.85	83.38	99.54	108.7	99.94	84.01	72.72
48.0	139.7	124.0	87.90	68.40	78.84	97.49	107.2	98.08	79.69	67.21
51.0	140.2	123.6	83.97	62.89	73.74	94.86	105.5	95.52	74.74	61.55
54.0	139.7	122.4	79.63	57.17	68.99	91.57	103.1	92.48	69.89	55.84
57.0	137.4	120.3	74.98	51.49	64.58	88.13	98.94	88.79	65.39	49.96
60.0	133.7	118.0	70.74	45.65	60.28	84.40	93.88	84.99	61.08	44.04
63.0	129.5	114.9	67.13	39.72	56.19	79.62	88.36	80.49	56.92	38.21
66.0	125.2	110.9	63.69	33.83	51.65	74.53	82.59	75.33	52.70	32.15
69.0	121.1	106.5	60.45	27.96	47.07	68.81	76.65	69.57	47.84	26.18
72.0	116.4	101.6	57.06	22.18	41.94	61.89	71.22	62.81	42.79	20.37
75.0	111.2	96.88	53.23	16.71	36.74	55.81	65.78	56.48	37.57	14.81
78.0	105.3	91.89	49.17	11.48	31.76	50.40	60.34	50.70	32.30	9.878
81.0	99.67	85.99	45.20	7.040	26.68	45.64	55.10	45.72	27.13	5.569
84.0	95.05	80.82	41.36	3.574	22.18	41.61	50.46	41.49	22.43	2.075
87.0	91.54	76.37	37.63	2.040	18.85	39.21	47.59	38.75	18.76	1.494
90.0	90.58	73.67	35.18	1.880	18.31	40.12	47.96	39.20	17.73	1.419
93.0	90.84	72.30	34.52	1.930	18.23	41.11	49.30	40.12	17.69	1.425
96.0	92.36	72.82	34.29	1.985	18.01	41.77	50.30	41.02	17.47	1.438
99.0	90.57	68.04	34.06	2.066	17.72	38.83	50.14	38.46	17.27	1.562
102.0	88.66	69.43	32.35	2.322	16.65	39.41	50.13	39.36	16.52	1.735
105.0	86.91	70.56	30.14	2.332	15.95	38.96	49.26	38.62	15.54	1.741
108.0	85.55	70.55	30.45	2.367	16.09	37.96	48.14	37.53	15.70	1.758
111.0	84.17	70.54	29.24	2.413	16.39	36.83	46.82	36.50	16.14	1.798
114.0	82.53	69.43	30.65	2.508	16.26	35.66	45.32	35.27	15.95	1.869
117.0	80.65	66.87	30.41	2.604	15.67	34.04	43.53	33.82	15.38	1.970
120.0	77.84	63.51	27.46	2.694	14.91	32.33	41.49	32.05	14.64	2.085
123.0	73.98	60.29	25.34	2.774	14.00	30.41	39.16	30.11	13.78	2.206
126.0	69.61	57.54	22.96	2.830	13.00	28.57	36.53	28.31	12.56	2.276
129.0	65.41	53.21	20.71	2.895	11.51	26.62	33.58	26.39	11.53	2.367
132.0	60.88	47.31	18.73	3.001	10.76	24.49	30.90	24.30	10.55	2.497
135.0	56.26	40.00	16.81	3.141	9.924	22.36	28.30	22.27	9.731	2.643
138.0	51.62	35.04	14.98	3.282	8.989	20.17	25.75	20.14	8.807	2.779
141.0	46.64	30.13	13.26	3.348	8.180	17.93	23.15	17.65	8.003	2.885
144.0	41.72	26.07	11.82	3.468	7.441	15.75	20.20	15.68	7.446	2.960
147.0	36.81	22.49	10.44	3.549	6.506	13.82	17.63	13.91	6.636	3.105
150.0	32.12	18.97	9.246	3.719	5.682	12.18	15.48	12.20	5.786	3.267
153.0	27.50	15.92	8.366	3.744	4.968	10.94	13.42	10.95	4.897	3.337
156.0	23.43	13.38	7.262	3.759	4.259	9.318	11.76	9.393	4.224	3.417
159.0	19.51	11.06	6.480	3.769	3.841	7.544	9.866	7.638	3.708	3.493
162.0	15.50	9.242	5.883	3.782	3.744	5.865	7.747	6.096	3.648	3.578
165.0	12.73	7.777	5.349	3.791	3.614	4.601	5.683	4.662	3.523	3.598
168.0	6.813	6.702	5.157	3.793	3.508	3.974	3.758	4.057	3.418	3.653
171.0	5.457	5.747	4.565	3.795	3.403	3.638	3.563	3.755	3.332	3.679
174.0	4.437	4.727	4.213	3.815	3.267	3.482	3.462	3.594	3.231	3.754
177.0	3.931	4.090	4.051	3.835	3.217	3.277	3.433	3.428	3.227	3.769
180.0	3.810	3.749	3.820	3.835	3.835	3.845	3.769	3.699	3.779	3.825
G/C	300.0	330.0								
0.0	120.2	120.2								
3.0	120.5	121.0								
6.0	120.5	122.0								
9.0	120.4	122.7								
12.0	119.7	122.8								
15.0	118.6	123.1								
18.0	116.8	123.7								
21.0	114.6	124.3								
24.0	112.2	124.0								
27.0	110.2	122.1								
30.0	108.5	120.3								

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LPC  
 Test Date: 2022-01-11

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 9.200m [K=1.0000]  
 Remarks:

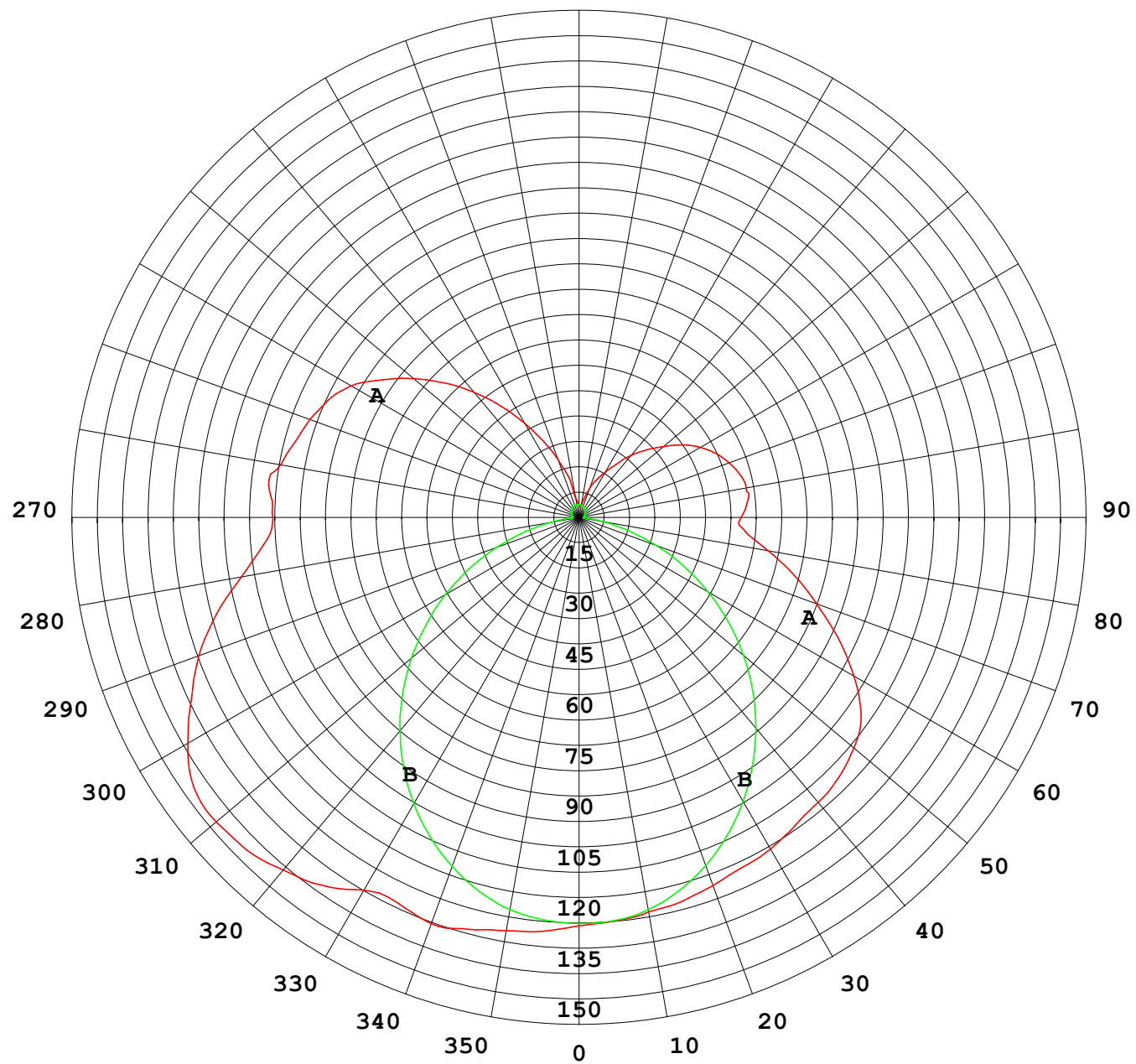
## Photometric Data Table [cd]

33.0	106.7	119.5
36.0	103.9	120.4
39.0	100.3	122.0
42.0	96.57	122.5
45.0	92.78	122.8
48.0	88.57	123.0
51.0	84.71	122.7
54.0	80.35	121.7
57.0	75.77	119.5
60.0	71.40	117.0
63.0	67.62	114.1
66.0	64.21	110.3
69.0	60.87	105.8
72.0	57.46	101.0
75.0	53.66	96.31
78.0	49.57	91.27
81.0	45.39	85.47
84.0	41.30	80.12
87.0	37.39	75.56
90.0	34.70	72.64
93.0	33.83	71.21
96.0	33.56	71.67
99.0	33.44	66.37
102.0	31.80	68.22
105.0	29.45	69.22
108.0	29.47	69.47
111.0	28.91	69.38
114.0	27.52	68.61
117.0	27.34	65.48
120.0	25.25	60.39
123.0	24.23	57.01
126.0	22.11	54.67
129.0	20.43	50.02
132.0	18.12	44.33
135.0	15.91	38.44
138.0	14.03	32.68
141.0	12.39	27.62
144.0	10.99	23.93
147.0	9.645	20.98
150.0	8.384	17.65
153.0	7.763	14.93
156.0	7.316	12.43
159.0	6.858	10.24
162.0	6.350	8.484
165.0	5.813	7.225
168.0	5.335	6.315
171.0	4.697	5.505
174.0	4.261	4.617
177.0	4.071	4.147
180.0	3.860	3.840

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LPC  
 Test Date: 2022-01-11

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 9.200m [K=1.0000]  
 Remarks:

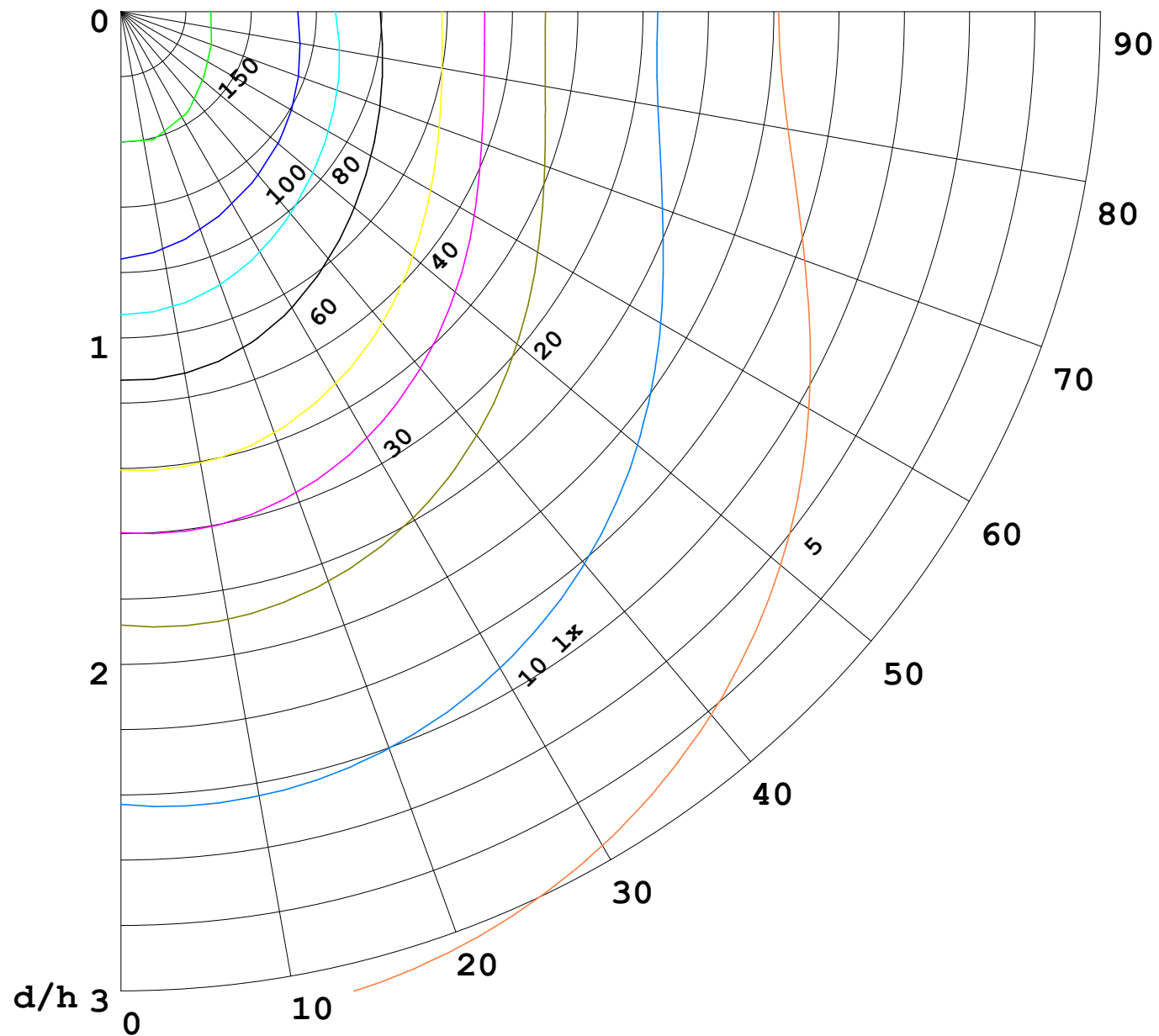
I (cd)





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

