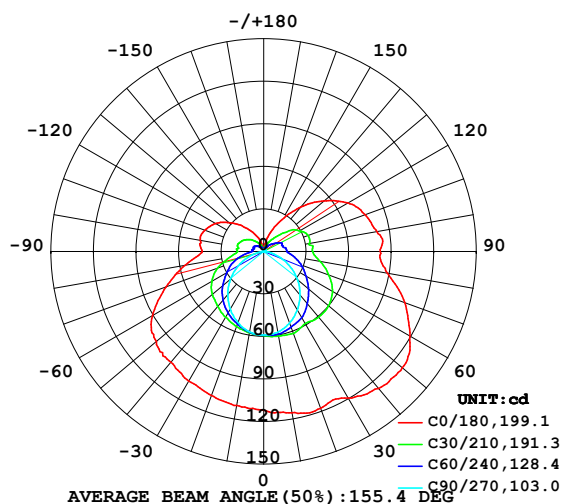


## LUMINAIRE PHOTOMETRIC TEST REPORT

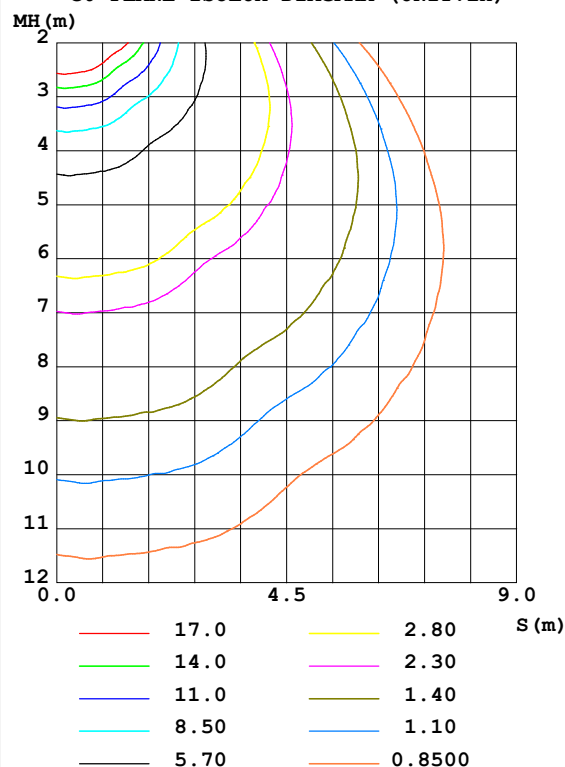
Test:U:24.00V I:0.3344A P:8.026W PF:1.000 Freq:0Hz Lamp Flux:400.225x1 lm		
NAME: SF18-24V-2835-120-2700+5700-90-5700	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022011102
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 49.87 lm/W			
MODEL	2835	I <sub>max</sub> (cd)	128.0	S/MH (C0/180)	1.43
NOMINAL POWER (W)	7.5	LOR (%)	100.0	S/MH (C90/270)	1.20
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	400.23	η UP, DN (C0-180)	15.2, 38.3
NOMINAL FLUX (lm)	400.225	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	11.7, 34.7
LAMPS INSIDE	1	η up (%)	26.9	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	24.0	η down (%)	73.1	CIBSE SHR MAX	0.80

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	115.5	59.98	57.82	57.97	110.3	58.09	57.70	59.83	0- 10	6.487	6.487	1.62,1.62
20	117.7	59.15	53.69	55.36	108.1	55.45	53.35	58.85	10- 20	18.96	25.45	6.36,6.36
30	119.4	56.36	47.59	51.85	105.6	51.94	47.15	56.12	20- 30	29.65	55.10	13.8,13.8
40	126.3	54.26	39.98	47.46	101.9	47.63	39.40	54.16	30- 40	38.44	93.53	23.4,23.4
50	127.7	50.63	31.28	42.38	98.82	42.66	30.63	50.72	40- 50	44.47	138.0	34.5,34.5
60	119.1	45.25	21.83	36.02	90.60	36.19	21.10	45.27	50- 60	46.49	184.5	46.1,46.1
70	106.0	38.58	12.17	28.65	73.29	28.86	11.35	38.63	60- 70	43.49	228.0	57,57
80	88.76	31.02	3.668	19.54	56.19	19.61	2.850	30.92	70- 80	36.34	264.3	66,66
90	82.29	25.51	0.8746	13.90	43.33	13.53	0.6259	25.24	80- 90	28.18	292.5	73.1,73.1
100	81.19	24.22	1.050	13.81	45.37	13.46	0.7535	24.00	90-100	25.87	318.4	79.5,79.5
110	76.14	23.65	1.111	13.41	44.17	13.08	0.7990	23.25	100-110	24.21	342.6	85.6,85.6
120	68.75	20.83	1.246	12.12	39.40	11.86	0.9548	20.47	110-120	21.34	363.9	90.9,90.9
130	55.54	15.33	1.337	9.790	31.77	9.580	1.100	14.97	120-130	16.18	380.1	95,95
140	41.03	9.693	1.518	7.309	23.66	7.082	1.322	8.956	130-140	10.46	390.6	97.6,97.6
150	26.20	5.831	1.605	4.927	15.67	4.888	1.477	5.537	140-150	5.793	396.4	99,99
160	14.23	3.633	1.653	3.012	9.585	2.948	1.513	3.385	150-160	2.721	399.1	99.7,99.7
170	4.702	2.284	1.699	1.779	3.527	1.779	1.613	2.172	160-170	0.9514	400.0	99.9,99.9
180	3.377	1.834	1.729	1.767	3.392	1.812	1.704	1.777	170-180	0.2031	400.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 115.22 lm

%lum = 28.8%

%lamp = 28.8%

Conical surface Flux(120deg): 184.49 lm

%lum = 46.1%

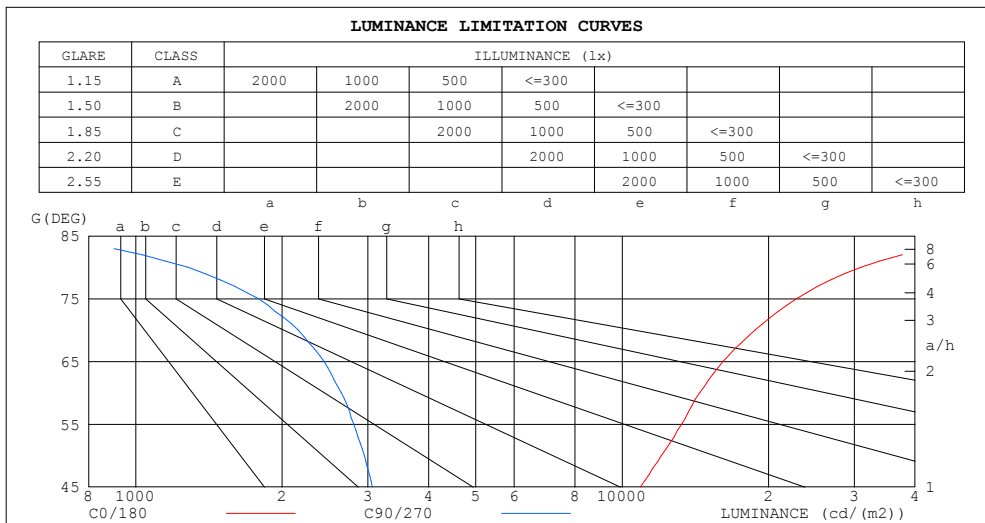
%lamp = 46.1%

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:0.3344A P:8.026W PF:1.000 Freq:0Hz Lamp Flux:400.225x1 lm		
NAME: SF18-24V-2835-120-2700+5700-90-5700	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022011102
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding Angle:



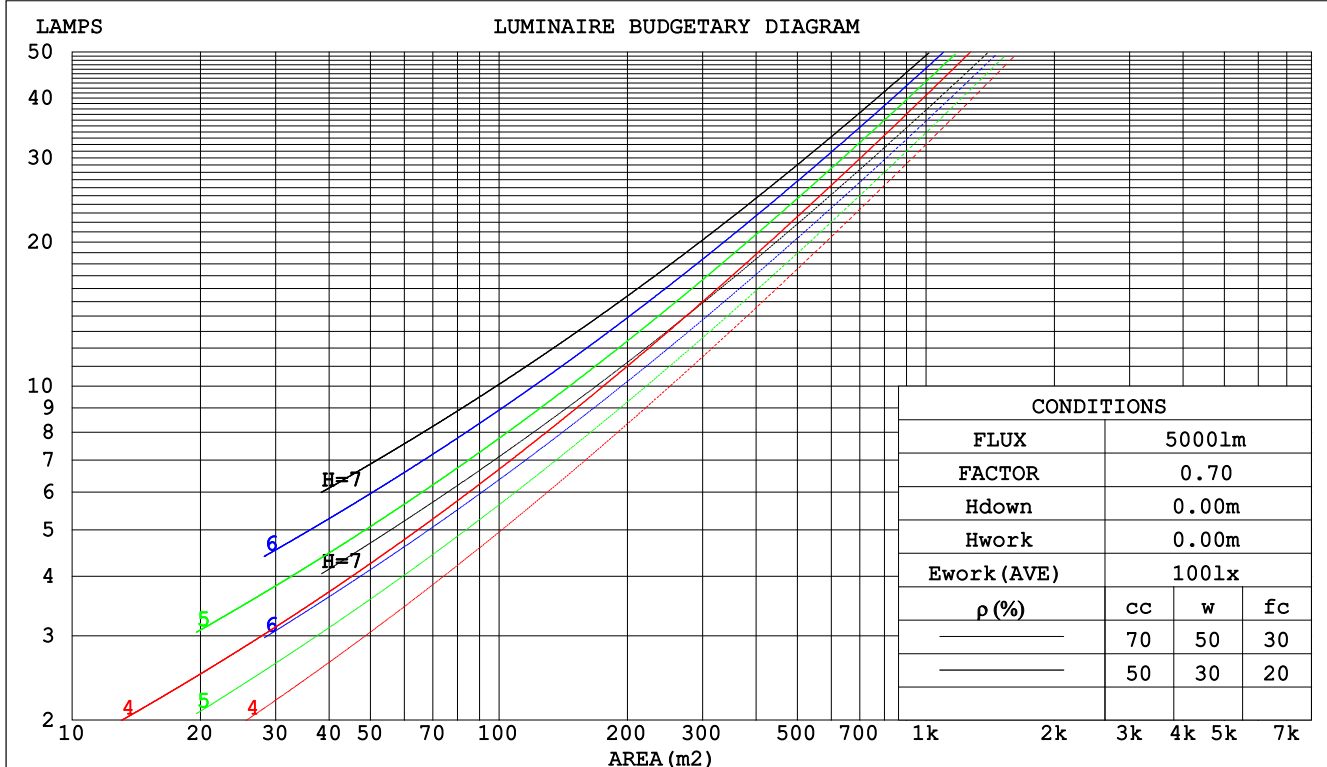
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2022-01-11

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:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.3344A P:8.026W PF:1.000 Freq:0Hz Lamp Flux:400.225x1 lm		
NAME: SF18-24V-2835-120-2700+5700-90-5700	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022011102
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	.96	.96	.96	.86	.86	.86	.77	.77	.77	.73
1.0	.94	.88	.84	.89	.84	.80	.79	.76	.72	.71	.68	.65	.63	.61	.59	.55
2.0	.80	.72	.66	.76	.69	.63	.68	.62	.57	.60	.56	.52	.53	.50	.47	.43
3.0	.69	.60	.53	.65	.57	.51	.59	.52	.46	.52	.47	.42	.46	.42	.38	.35
4.0	.60	.51	.44	.57	.49	.42	.51	.44	.39	.46	.40	.35	.41	.36	.32	.29
5.0	.53	.44	.37	.51	.42	.36	.46	.38	.33	.41	.35	.30	.36	.31	.27	.24
6.0	.48	.38	.32	.45	.37	.31	.41	.34	.28	.37	.30	.26	.33	.28	.24	.21
7.0	.43	.34	.28	.41	.33	.27	.37	.30	.25	.33	.27	.23	.30	.25	.21	.18
8.0	.39	.30	.24	.37	.29	.23	.34	.27	.22	.30	.24	.20	.27	.22	.18	.16
9.0	.35	.27	.22	.34	.26	.21	.31	.24	.19	.28	.22	.18	.25	.20	.16	.14
10.0	.33	.25	.19	.31	.24	.19	.28	.22	.17	.26	.20	.16	.23	.18	.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:0.3344A P:8.026W PF:1.000 Freq:0Hz Lamp Flux:400.225x1 lm		
NAME: SF18-24V-2835-120-2700+5700-90-5700	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022011102
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 Coeffcients(WEC)										
0.0																	
1.0	.382	.217	.069	.366	.209	.066	.337	.193	.062	.311	.179	.058	.286	.166	.054		
2.0	.331	.181	.056	.317	.174	.054	.291	.162	.050	.266	.149	.047	.244	.138	.044		
3.0	.294	.156	.047	.281	.151	.045	.258	.140	.042	.235	.129	.040	.215	.119	.037		
4.0	.265	.138	.040	.253	.132	.039	.231	.123	.037	.211	.113	.034	.193	.105	.032		
5.0	.241	.123	.036	.230	.118	.034	.210	.109	.032	.192	.101	.030	.175	.093	.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	.162	.083	.024	.147	.077	.023		
8.0	.188	.092	.026	.180	.089	.025	.165	.082	.024	.150	.076	.022	.137	.070	.020		
9.0	.176	.085	.024	.168	.082	.023	.154	.076	.022	.140	.070	.020	.128	.065	.019		
10.0	.164	.079	.022	.157	.076	.021	.144	.071	.020	.132	.065	.019	.120	.060	.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	.396	.396	.396	.338	.338	.338	.231	.231	.231	.133	.133	.133	.042	.042	.042	
1.0	.392	.362	.335	.335	.311	.289	.229	.214	.200	.132	.124	.116	.042	.040	.038	
2.0	.386	.340	.301	.330	.293	.261	.226	.202	.182	.131	.118	.107	.042	.038	.035	
3.0	.378	.324	.280	.324	.279	.243	.223	.194	.170	.129	.113	.100	.041	.037	.033	
4.0	.371	.312	.266	.318	.269	.231	.219	.188	.163	.127	.110	.096	.041	.036	.032	
5.0	.363	.302	.257	.312	.261	.223	.215	.183	.158	.125	.107	.094	.040	.035	.031	
6.0	.356	.294	.250	.306	.255	.217	.211	.178	.154	.123	.105	.091	.040	.034	.030	
7.0	.349	.288	.245	.300	.249	.213	.208	.175	.151	.121	.103	.090	.039	.034	.030	
8.0	.343	.282	.241	.295	.245	.210	.204	.172	.149	.119	.101	.089	.038	.033	.029	
9.0	.336	.278	.238	.290	.241	.208	.201	.169	.147	.117	.100	.088	.038	.033	.029	
10.0	.331	.274	.236	.285	.238	.206	.198	.167	.146	.115	.099	.087	.037	.032	.029	

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:0.3344A P:8.026W PF:1.000 Freq:0Hz Lamp Flux:400.225x1 lm											
NAME: SF18-24V-2835-120-2700+5700-90-5700					TYPE:硅胶			WEIGHT:			
SPEC.:					DIM.: 16.5mm*16.5mm			SERIAL No.:2022011102			
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	24.2	25.5	24.8	26.1	26.9	17.5	18.8	18.1	19.4	20.1	
	3H	27.5	28.7	28.2	29.3	30.1	18.9	20.1	19.5	20.7	21.5
	4H	29.3	30.4	29.9	31.1	31.9	19.4	20.5	20.1	21.2	22.0
	6H	31.1	32.2	31.8	32.9	33.7	19.7	20.8	20.4	21.5	22.3
	8H	32.2	33.2	32.9	33.9	34.7	19.8	20.8	20.5	21.5	22.3
	12H	33.4	34.4	34.1	35.1	35.9	19.8	20.8	20.5	21.5	22.3
4H	2H	24.2	25.3	24.9	26.0	26.8	19.3	20.4	20.0	21.1	21.9
	3H	27.7	28.6	28.4	29.3	30.2	21.0	21.9	21.7	22.6	23.5
	4H	29.6	30.5	30.3	31.2	32.1	21.7	22.6	22.4	23.3	24.2
	6H	31.8	32.6	32.5	33.3	34.2	22.3	23.0	23.0	23.8	24.7
	8H	33.0	33.7	33.8	34.5	35.4	22.4	23.2	23.2	23.9	24.9
	12H	34.4	35.1	35.2	35.9	36.8	22.5	23.2	23.3	24.0	24.9
8H	4H	29.6	30.4	30.4	31.1	32.1	23.3	24.1	24.1	24.8	25.7
	6H	32.0	32.6	32.7	33.4	34.3	24.3	24.9	25.1	25.7	26.7
	8H	33.4	33.9	34.2	34.7	35.7	24.7	25.3	25.5	26.1	27.1
	12H	35.1	35.6	35.9	36.4	37.4	25.0	25.5	25.9	26.4	27.4
12H	4H	29.6	30.3	30.4	31.0	32.0	23.9	24.6	24.7	25.3	26.3
	6H	32.0	32.5	32.8	33.3	34.3	25.1	25.7	25.9	26.5	27.5
	8H	33.4	33.9	34.2	34.7	35.7	25.7	26.2	26.6	27.0	28.0
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.3 / - 0.3					+ 0.2 / - 0.2					
2.0H	+ 0.6 / - 0.5					+ 0.3 / - 0.4					

CIE Pub.117, 400.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.2)

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:

## UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.3344A P:8.026W PF:1.000 Freq:0Hz Lamp Flux:400.225x1 lm		
NAME: SF18-24V-2835-120-2700+5700-90-5700	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022011102
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding Angle:

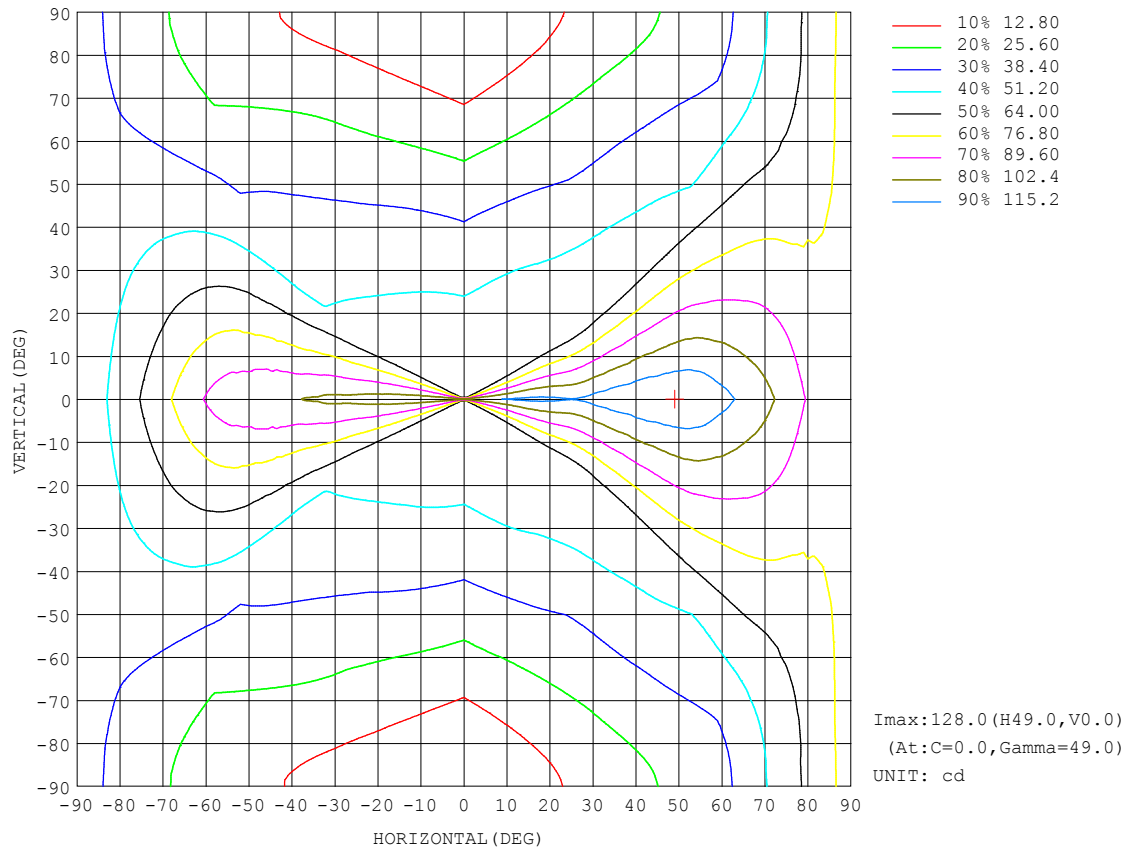
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	44	32	25	43	31	24	41	30	24	17
0.80	53	40	32	52	39	31	48	37	30	22
1.00	61	48	39	59	47	39	55	46	37	27
1.25	68	55	46	65	53	45	60	50	43	32
1.50	73	61	52	70	59	51	64	55	48	36
2.00	81	69	61	77	67	59	70	62	55	42
2.50	86	75	67	81	72	65	74	66	60	45
3.00	89	80	72	85	76	69	77	70	64	49
4.00	94	86	79	90	82	76	81	75	70	53
5.00	97	90	84	92	86	81	83	78	74	56
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNM = 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:0.3344A P:8.026W PF:1.000 Freq:0Hz Lamp Flux:400.225x1 lm		
NAME: SF18-24V-2835-120-2700+5700-90-5700	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022011102
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding Angle:



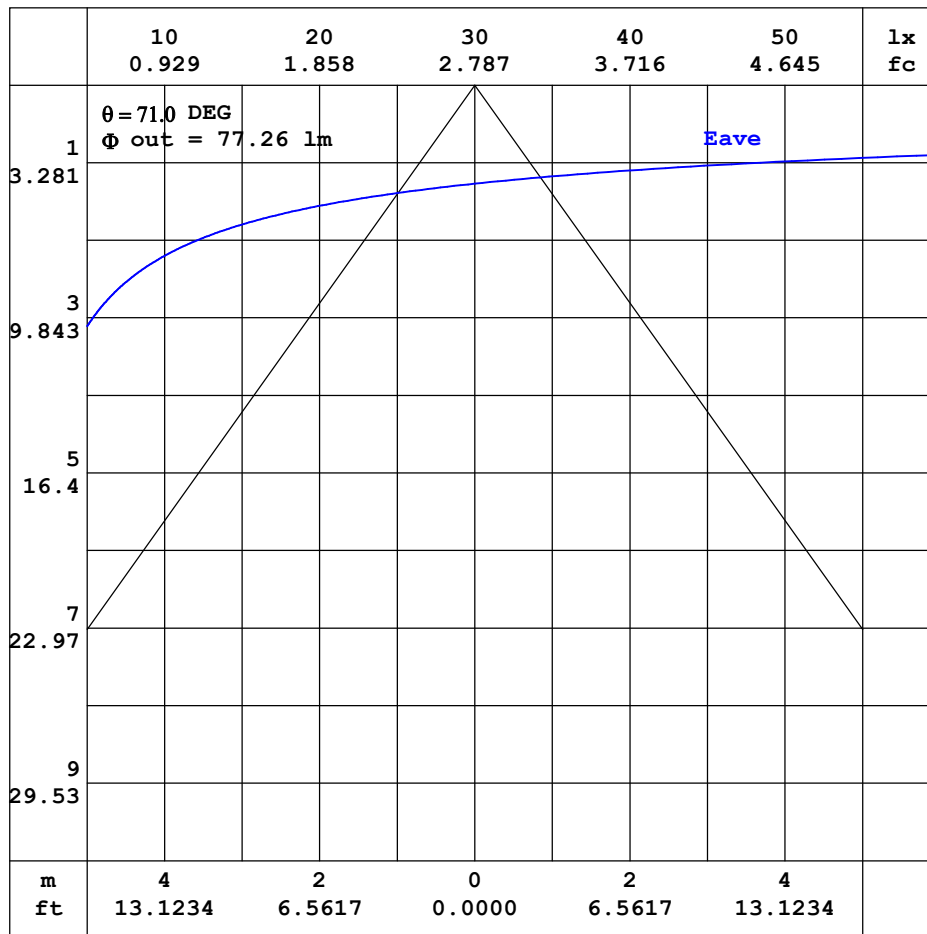
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2022-01-11

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:



## AAI CURVES

Test:U:24.00V I:0.3344A P:8.026W PF:1.000 Freq:0Hz Lamp Flux:400.225x1 lm		
NAME: SF18-24V-2835-120-2700+5700-90-5700	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022011102
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding Angle:



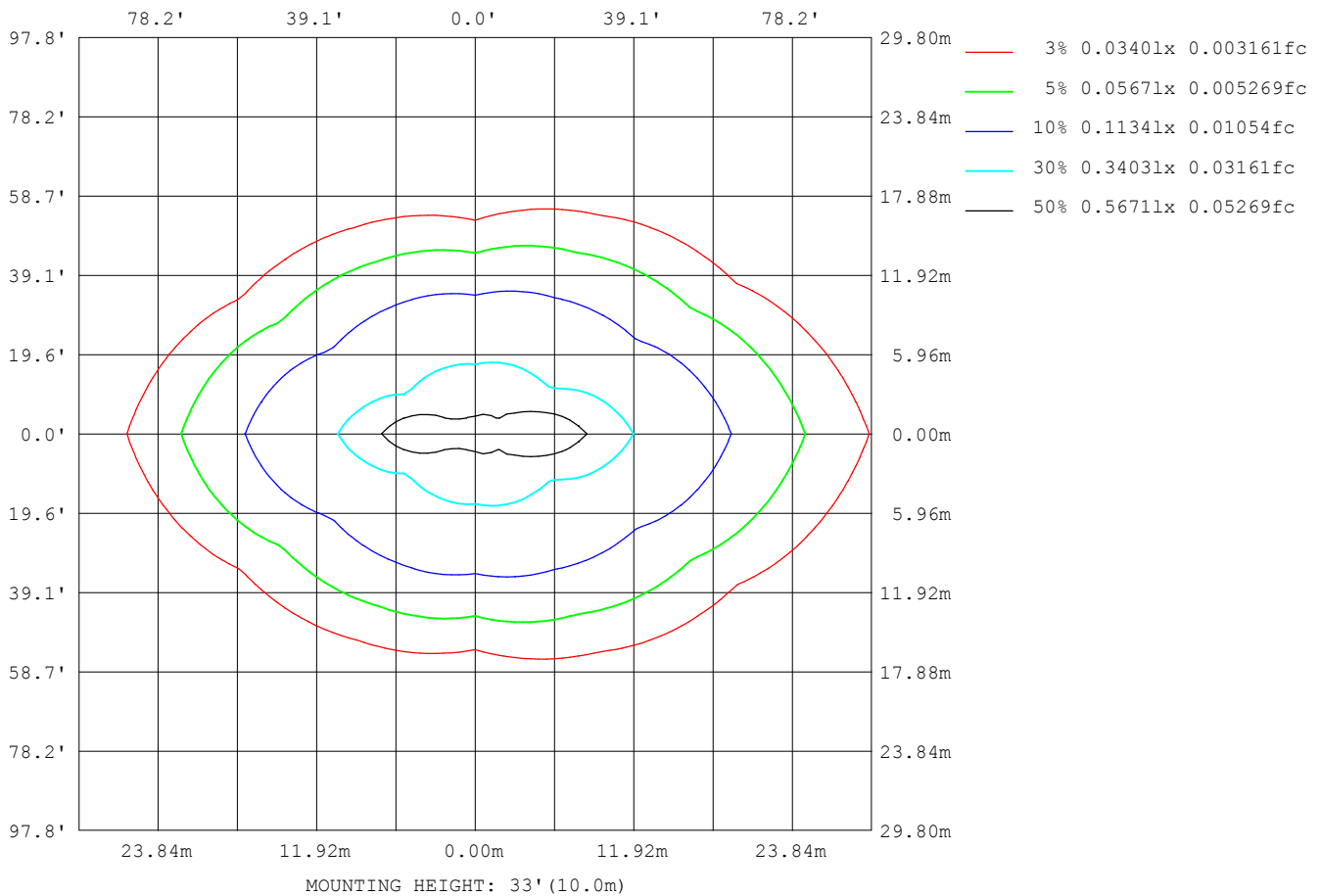
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

## ISOLUX DIAGRAM

Test:U:24.00V I:0.3344A P:8.026W PF:1.000 Freq:0Hz Lamp Flux:400.225x1 lm		
NAME: SF18-24V-2835-120-2700+5700-90-5700	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022011102
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:0.3344A P:8.026W PF:1.000 Freq:0Hz Lamp Flux:400.225x1 lm		
NAME: SF18-24V-2835-120-2700+5700-90-5700	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022011102
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding Angle:

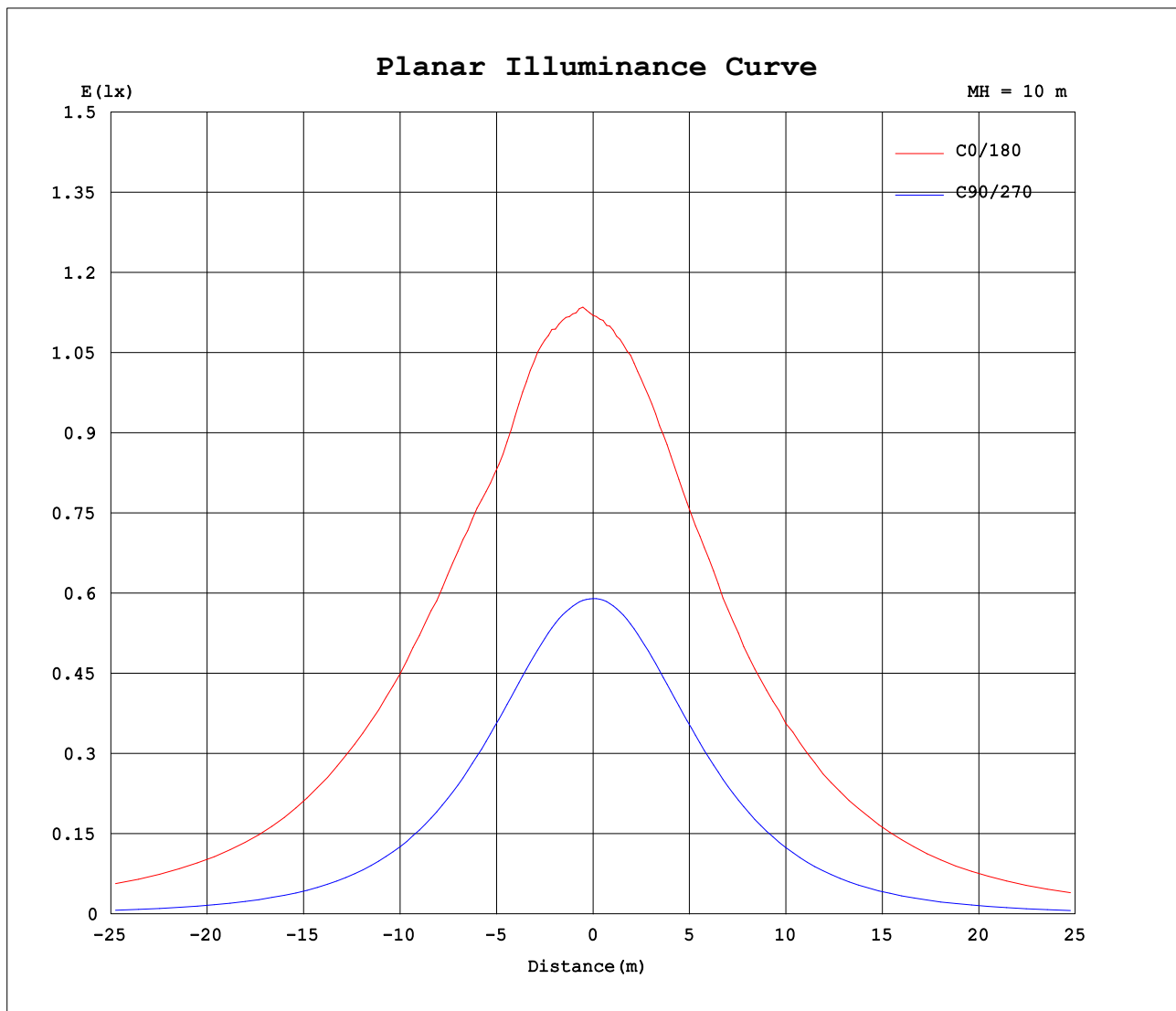
AvgL	cd/m2
L_0~180 (65) av	13955
L_0~180 (75) av	19002
L_0~180 (85) av	45612
L_90~270 (65) av	2383
L_90~270 (75) av	1685
L_90~270 (85) av	629
L_45 (65) av	5012
L_45 (75) av	6482
L_45 (85) av	13977

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:0.3344A P:8.026W PF:1.000 Freq:0Hz Lamp Flux:400.225x1 lm		
NAME: SF18-24V-2835-120-2700+5700-90-5700	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022011102
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	112	59.4	59.2	59.0	59.2	59.2	112	59.4	59.2	59.0	59.2	59.2						
5	114	60.3	59.4	58.7	58.7	58.7	111	58.9	58.7	58.8	59.5	60.1						
10	116	60.6	59.3	57.8	57.9	58.1	110	58.3	57.9	57.7	59.3	60.4						
15	118	61.1	58.3	56.1	56.5	57.2	109	57.4	56.4	55.8	58.1	60.8						
20	118	61.5	56.8	53.7	54.5	56.2	108	56.4	54.5	53.4	56.6	61.1						
25	116	60.1	55.4	50.9	52.5	54.9	106	55.1	52.5	50.5	55.1	59.7						
30	119	58.9	53.9	47.6	50.2	53.5	106	53.7	50.2	47.2	53.7	58.5						
35	123	59.9	51.3	43.9	47.6	52.3	104	52.4	47.7	43.4	51.3	59.4						
40	126	60.5	48.1	40.0	44.5	50.4	102	50.6	44.7	39.4	48.3	60.0						
45	127	60.5	44.7	35.8	41.2	48.6	101	48.7	41.5	35.2	45.1	60.1						
50	128	59.7	41.5	31.3	37.6	47.2	98.8	47.4	37.9	30.6	42.0	59.5						
55	125	58.2	37.8	26.6	33.5	44.9	96.8	45.2	33.8	25.9	38.3	57.9						
60	119	56.1	34.4	21.8	29.8	42.2	90.6	42.3	30.1	21.1	34.8	55.7						
65	112	52.8	31.4	17.0	26.3	38.8	82.1	38.9	26.7	16.2	31.8	52.5						
70	106	48.9	28.3	12.2	22.7	34.6	73.3	34.6	23.1	11.4	28.7	48.6						
75	97.6	45.0	25.0	7.63	18.7	29.2	64.7	29.3	18.9	6.76	25.3	44.7						
80	88.8	40.3	21.7	3.67	14.5	24.6	56.2	24.5	14.7	2.85	21.8	40.0						
85	83.1	36.5	18.5	1.06	10.8	20.8	48.1	20.5	10.8	0.74	18.5	36.2						
90	82.3	34.6	16.4	0.87	8.88	18.9	43.3	18.5	8.58	0.63	16.3	34.2						
95	84.4	34.8	16.2	0.92	8.89	19.8	45.1	19.3	8.49	0.63	15.9	34.4						
100	81.2	32.7	15.7	1.05	8.53	19.1	45.4	18.6	8.28	0.75	15.6	32.4						
105	78.6	33.6	14.2	1.09	7.97	19.3	45.6	19.1	7.63	0.78	14.0	33.0						
110	76.1	33.4	13.9	1.11	8.14	18.7	44.2	18.3	7.84	0.80	13.6	32.9						
115	73.2	32.0	14.4	1.18	8.26	17.7	42.0	17.4	7.97	0.87	13.0	31.8						
120	68.8	29.3	12.4	1.25	7.81	16.4	39.4	16.2	7.52	0.95	11.9	29.0						
125	62.4	26.8	10.3	1.28	6.94	14.9	35.8	14.7	6.69	1.02	10.3	24.9						
130	55.5	22.1	8.61	1.34	6.22	13.4	31.8	13.2	5.97	1.10	8.52	21.4						
135	48.5	17.8	7.07	1.44	5.41	11.7	27.6	11.6	5.19	1.24	6.86	16.9						
140	41.0	13.6	5.74	1.52	4.63	9.99	23.7	9.68	4.49	1.32	5.50	12.4						
145	33.5	10.6	4.67	1.55	3.94	8.05	19.4	8.03	3.88	1.37	4.39	10.1						
150	26.2	7.94	3.72	1.61	3.27	6.58	15.7	6.60	3.17	1.48	3.48	7.60						
155	20.1	5.99	3.39	1.63	2.53	5.37	12.4	5.37	2.49	1.49	3.04	5.66						
160	14.2	4.34	2.93	1.65	2.01	4.02	9.58	3.99	1.90	1.51	2.65	4.12						
165	9.90	3.17	2.51	1.67	1.78	2.65	6.13	2.67	1.70	1.56	2.32	3.00						
170	4.70	2.45	2.12	1.70	1.68	1.87	3.53	1.95	1.61	1.61	1.98	2.37						
175	3.65	1.97	1.98	1.72	1.61	1.64	3.24	1.72	1.57	1.65	1.87	1.94						
180	3.38	1.81	1.85	1.73	1.75	1.78	3.39	1.79	1.83	1.70	1.76	1.79						

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	112.0	59.42	59.20	59.03	59.21	59.20	112.0	59.42	59.20	59.03
3.0	114.0	59.95	59.39	58.91	58.94	58.84	111.5	59.07	58.94	58.98
6.0	114.2	60.37	59.43	58.57	58.56	58.59	111.0	58.83	58.59	58.63
9.0	115.3	60.52	59.36	58.05	58.08	58.18	110.5	58.43	58.13	58.00
12.0	116.9	60.76	59.04	57.23	57.39	57.72	110.1	57.99	57.37	57.02
15.0	118.0	61.13	58.32	56.05	56.48	57.16	109.4	57.40	56.41	55.82
18.0	118.2	61.41	57.44	54.74	55.34	56.71	108.8	56.90	55.33	54.48
21.0	117.3	61.38	56.46	53.15	54.13	55.93	107.9	56.08	54.12	52.83
24.0	116.0	60.52	55.63	51.50	52.94	55.26	106.7	55.37	52.95	51.14
27.0	116.5	59.54	54.84	49.61	51.64	54.31	105.7	54.43	51.65	49.23
30.0	119.4	58.85	53.87	47.59	50.15	53.54	105.6	53.65	50.23	47.15
33.0	121.6	59.12	52.43	45.49	48.60	52.87	104.7	52.96	48.72	45.04
36.0	124.1	60.13	50.64	43.19	46.99	51.96	103.3	52.07	47.14	42.65
39.0	124.9	60.45	48.74	40.74	45.14	50.75	102.0	50.88	45.33	40.25
42.0	127.0	60.45	46.65	38.37	43.20	49.66	102.1	49.79	43.45	37.78
45.0	127.1	60.46	44.67	35.75	41.23	48.57	100.9	48.73	41.48	35.19
48.0	127.6	60.15	42.78	33.09	39.12	47.83	100.6	48.00	39.38	32.46
51.0	127.6	59.52	40.82	30.35	36.78	46.78	98.65	47.00	37.14	29.65
54.0	126.0	58.58	38.56	27.51	34.29	45.42	97.55	45.69	34.64	26.91
57.0	123.1	57.48	36.36	24.72	31.99	43.82	94.70	44.04	32.32	24.05
60.0	119.1	56.10	34.41	21.83	29.81	42.22	90.60	42.27	30.12	21.10
63.0	115.2	54.20	32.62	18.90	27.69	40.32	85.74	40.41	27.97	18.20
66.0	111.2	52.09	30.80	16.01	25.63	37.98	80.44	38.11	25.99	15.26
69.0	107.3	49.69	28.94	13.11	23.52	35.50	75.16	35.54	23.86	12.29
72.0	102.8	47.37	27.04	10.27	21.18	32.33	69.65	32.55	21.47	9.478
75.0	97.57	44.99	25.04	7.628	18.66	29.18	64.72	29.32	18.95	6.763
78.0	91.87	42.21	23.01	5.125	16.28	26.28	59.56	26.30	16.43	4.278
81.0	87.13	39.42	21.02	2.975	13.72	23.75	54.51	23.65	13.90	2.226
84.0	84.06	37.18	19.09	1.314	11.48	21.45	49.62	21.24	11.50	0.8413
87.0	82.06	35.44	17.36	0.9244	9.635	19.63	45.58	19.33	9.478	0.6387
90.0	82.29	34.58	16.44	0.8746	8.881	18.93	43.33	18.47	8.576	0.6259
93.0	83.57	34.51	16.30	0.8997	8.880	19.40	44.32	18.94	8.526	0.6255
96.0	84.24	34.99	16.11	0.9249	8.866	19.83	45.24	19.42	8.468	0.6312
99.0	81.54	32.31	15.98	0.9905	8.775	18.79	45.05	18.24	8.402	0.7134
102.0	79.79	33.37	14.44	1.071	7.893	19.43	45.84	19.04	7.568	0.7689
105.0	78.56	33.56	14.18	1.086	7.965	19.35	45.63	19.13	7.630	0.7847
108.0	77.26	33.51	13.78	1.101	8.036	19.04	44.99	18.73	7.755	0.7933
111.0	75.51	33.27	14.21	1.126	8.191	18.47	43.85	18.13	7.921	0.8041
114.0	73.95	32.42	14.26	1.166	8.257	17.92	42.66	17.59	8.001	0.8543
117.0	71.84	30.85	13.68	1.201	8.113	17.24	41.04	16.99	7.829	0.9145
120.0	68.75	29.30	12.36	1.246	7.806	16.44	39.40	16.19	7.522	0.9548
123.0	64.73	27.82	11.14	1.277	7.410	15.56	37.28	15.30	6.979	0.9951
126.0	61.22	26.31	9.955	1.302	6.717	14.60	35.04	14.39	6.577	1.030
129.0	56.95	23.33	8.919	1.327	6.364	13.69	32.61	13.50	6.110	1.080
132.0	52.75	20.04	7.965	1.377	5.927	12.72	30.04	12.57	5.677	1.161
135.0	48.54	17.80	7.069	1.438	5.410	11.71	27.57	11.59	5.185	1.236
138.0	44.23	15.08	6.260	1.493	4.947	10.67	25.28	10.34	4.783	1.281
141.0	39.62	13.06	5.531	1.528	4.480	9.529	22.61	9.326	4.351	1.347
144.0	34.96	11.14	4.867	1.548	4.042	8.350	20.13	8.356	3.984	1.362
147.0	30.54	9.444	4.284	1.593	3.680	7.441	17.85	7.411	3.662	1.412
150.0	26.20	7.942	3.721	1.605	3.273	6.581	15.67	6.601	3.175	1.477
153.0	22.42	6.766	3.524	1.617	2.851	5.778	13.65	5.797	2.787	1.483
156.0	18.82	5.601	3.308	1.629	2.404	5.150	11.79	5.158	2.346	1.493
159.0	15.08	4.601	3.022	1.648	2.092	4.295	9.982	4.320	1.984	1.508
162.0	12.61	3.777	2.770	1.664	1.880	3.430	8.009	3.460	1.779	1.528
165.0	9.901	3.170	2.514	1.674	1.784	2.652	6.128	2.666	1.704	1.563
168.0	5.308	2.708	2.237	1.689	1.729	2.080	3.658	2.102	1.648	1.603
171.0	4.440	2.306	2.076	1.699	1.659	1.809	3.412	1.885	1.601	1.633
174.0	3.741	2.000	1.990	1.709	1.624	1.663	3.286	1.749	1.580	1.643
177.0	3.564	1.930	1.955	1.729	1.578	1.593	3.211	1.694	1.573	1.669
180.0	3.377	1.814	1.854	1.729	1.754	1.779	3.392	1.794	1.829	1.704
G/C	300.0	330.0								
0.0	59.21	59.20								
3.0	59.43	59.74								
6.0	59.45	60.16								
9.0	59.37	60.31								
12.0	58.87	60.52								
15.0	58.13	60.82								
18.0	57.21	60.97								
21.0	56.24	60.93								
24.0	55.35	60.11								
27.0	54.65	59.09								
30.0	53.72	58.52								

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:

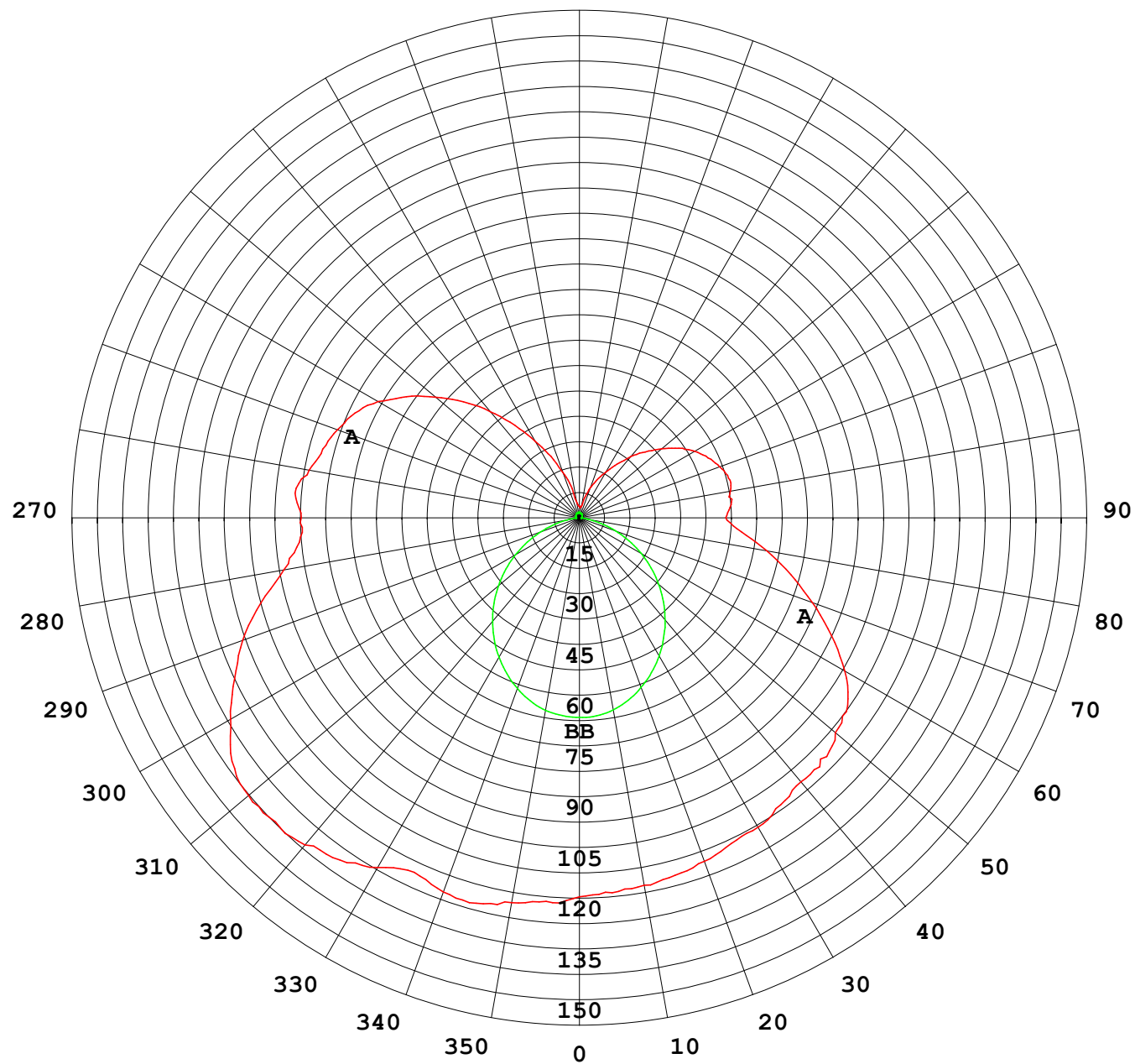
## Photometric Data Table [cd]

33.0	52.41	58.69
36.0	50.75	59.68
39.0	48.91	59.98
42.0	47.11	60.05
45.0	45.13	60.08
48.0	43.21	59.79
51.0	41.27	59.20
54.0	39.05	58.32
57.0	36.78	57.15
60.0	34.82	55.72
63.0	32.98	53.85
66.0	31.19	51.77
69.0	29.35	49.37
72.0	27.35	47.07
75.0	25.29	44.69
78.0	23.25	41.87
81.0	21.14	39.12
84.0	19.13	36.82
87.0	17.31	35.07
90.0	16.27	34.21
93.0	16.07	34.04
96.0	15.91	34.52
99.0	15.74	32.03
102.0	14.39	32.92
105.0	14.01	33.01
108.0	14.17	32.98
111.0	13.63	32.92
114.0	13.00	32.23
117.0	12.45	30.77
120.0	11.92	29.01
123.0	10.95	26.18
126.0	10.01	24.59
129.0	8.886	22.23
132.0	7.817	20.00
135.0	6.857	16.90
138.0	6.018	13.80
141.0	5.264	11.90
144.0	4.606	10.62
147.0	3.988	9.071
150.0	3.476	7.597
153.0	3.195	6.447
156.0	2.964	5.275
159.0	2.728	4.380
162.0	2.522	3.571
165.0	2.316	3.002
168.0	2.065	2.589
171.0	1.969	2.247
174.0	1.889	1.966
177.0	1.859	1.905
180.0	1.764	1.789

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:

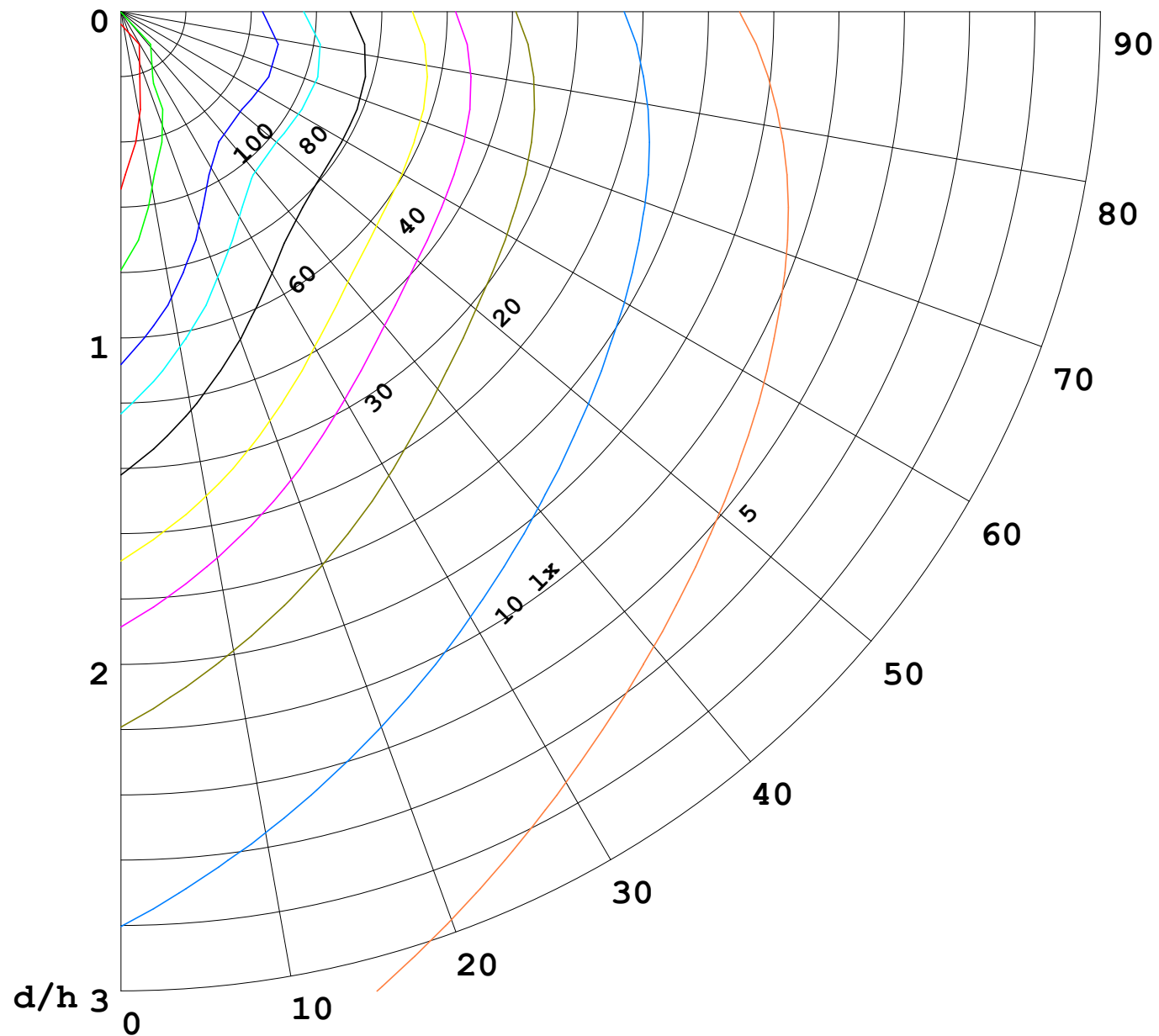
I (cd)





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

