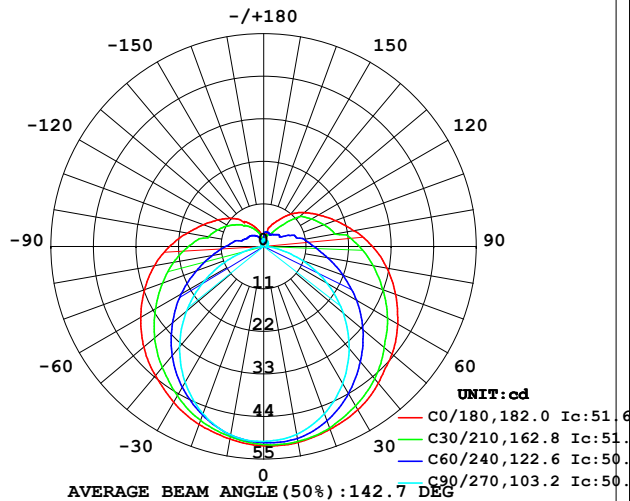


## LUMINAIRE PHOTOMETRIC TEST REPORT

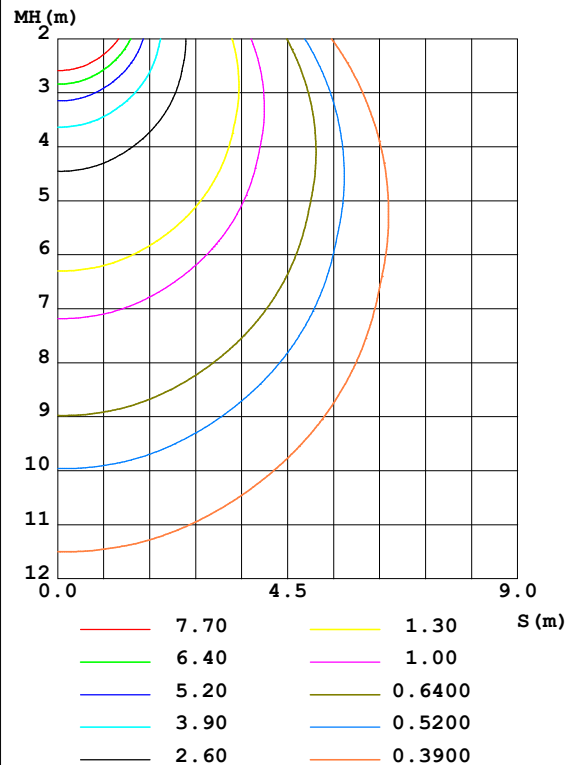
Test:U:24.00V I:0.4835A P:11.60W PF:1.000 Freq:50.00Hz Lamp Flux:247.575x1 lm		
NAME: SF21-24V-2835-72-CC-6500-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120802
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 21.34 lm/W			
MODEL	2835	I <sub>max</sub> (cd)	51.65	S/MH (C0/180)	1.35
NOMINAL POWER (W)	10	LOR (%)	100.0	S/MH (C90/270)	1.21
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	247.58	η UP, DN (C0-180)	11.0, 38.9
NOMINAL FLUX (lm)	247.575	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	11.1, 38.9
LAMPS INSIDE	1	η up (%)	22.1	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	24	η down (%)	77.9	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: 2021-12-08

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 9.200m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	51.46	50.82	49.34	48.67	50.54	49.72	49.47	50.39	0- 10	4.807	4.807	1.94,1.94
20	50.30	48.94	45.99	45.93	48.95	47.11	45.98	48.69	10- 20	13.85	18.65	7.53,7.53
30	48.77	45.73	40.91	41.96	46.55	43.37	40.62	45.73	20- 30	21.26	39.91	16.1,16.1
40	46.16	41.80	34.37	37.44	43.58	38.84	33.85	42.21	30- 40	26.38	66.30	26.8,26.8
50	43.32	37.11	26.89	32.38	40.48	33.81	26.07	37.97	40- 50	28.95	95.25	38.5,38.5
60	40.02	32.36	18.88	27.13	36.73	28.46	17.61	33.23	50- 60	28.93	124.2	50.2,50.2
70	36.30	27.33	10.64	22.02	32.80	23.22	9.209	28.29	60- 70	26.68	150.9	60.9,60.9
80	32.40	22.74	3.660	17.55	28.69	18.58	2.676	23.71	70- 80	22.95	173.8	70.2,70.2
90	28.17	18.89	0.7288	13.80	24.36	14.66	0.5153	19.84	80- 90	18.99	192.8	77.9,77.9
100	23.66	14.64	0.8448	10.49	20.03	11.14	0.6026	15.42	90-100	15.51	208.3	84.1,84.1
110	19.71	12.53	0.9649	8.512	16.60	9.079	0.6684	13.13	100-110	11.94	220.2	89,89
120	16.41	9.695	1.111	7.013	13.74	7.738	0.6948	11.05	110-120	9.305	229.6	92.7,92.7
130	13.66	8.353	1.297	5.955	11.34	6.592	0.8090	9.457	120-130	7.167	236.7	95.6,95.6
140	10.91	5.517	1.437	4.799	8.104	5.363	0.9397	6.575	130-140	4.992	241.7	97.6,97.6
150	8.009	3.583	1.638	3.561	6.662	4.166	1.201	5.147	140-150	3.063	244.8	98.9,98.9
160	5.848	3.500	1.656	2.368	4.633	2.880	1.477	4.531	150-160	1.752	246.5	99.6,99.6
170	2.423	3.424	1.658	1.351	1.914	1.685	1.789	4.215	160-170	0.8276	247.4	99.9,99.9
180	1.277	1.322	1.633	1.900	1.272	1.244	1.980	1.902	170-180	0.2192	247.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 80.615 lm

%lum = 32.6%

%lamp = 32.6%

Conical surface Flux(120deg): 124.18 lm

%lum = 50.2%

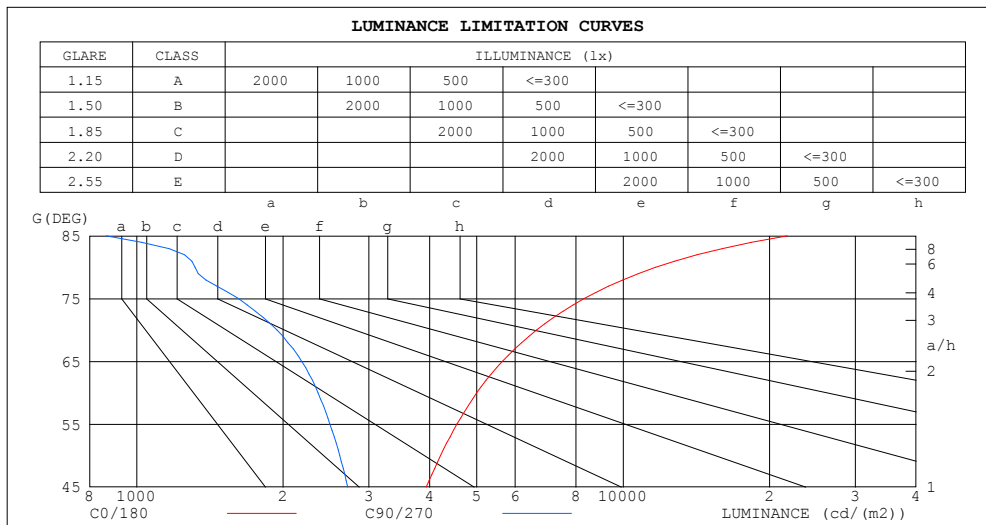
%lamp = 50.2%

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.4835A P:11.60W PF:1.000 Freq:50.00Hz Lamp Flux:247.575x1 lm		
NAME: SF21-24V-2835-72-CC-6500-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120802
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	21736	866
80	11660	1317
75	8304	1620
70	6633	1944
65	5642	2184
60	5002	2360
55	4554	2496
50	4212	2615
45	3938	2717

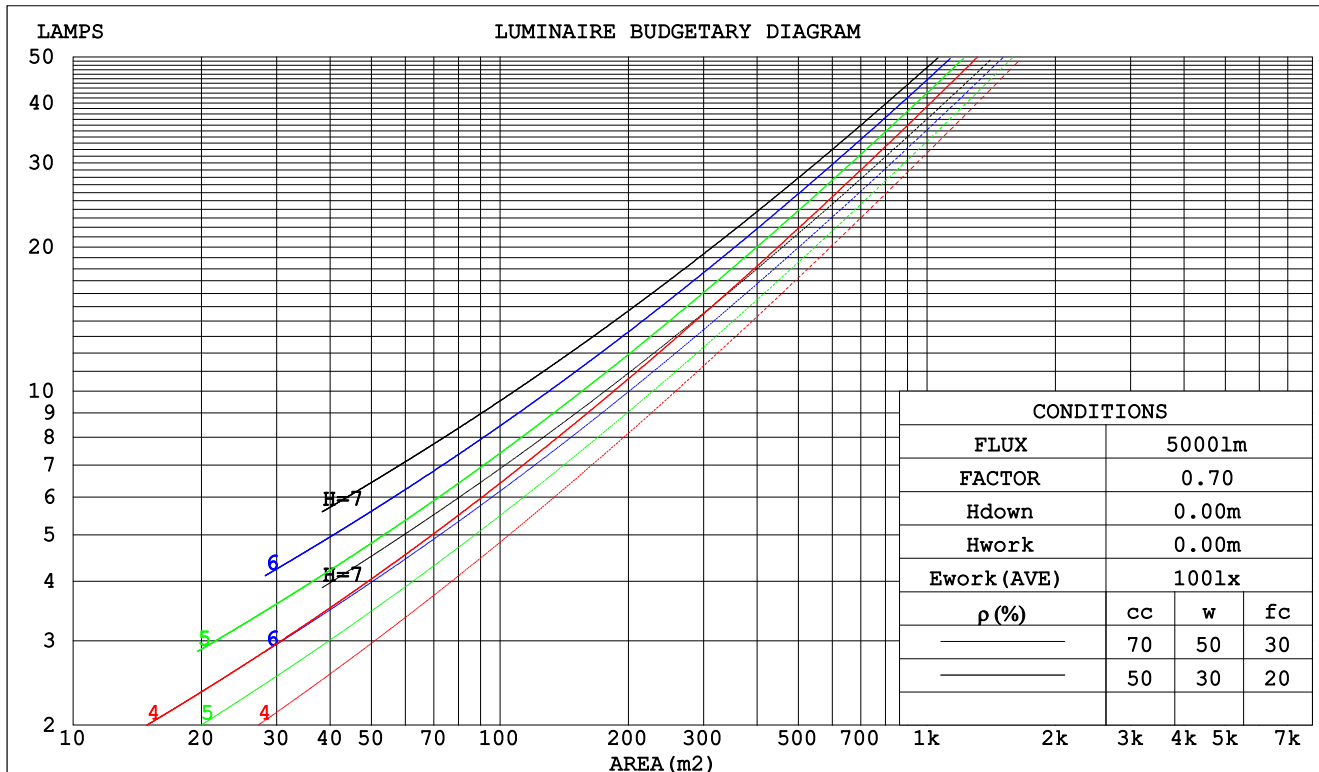
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.4835A P:11.60W PF:1.000 Freq:50.00Hz Lamp Flux:247.575x1 lm		
NAME: SF21-24V-2835-72-CC-6500-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120802
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	1.09	1.09	1.09	.99	.99	.99	.90	.90	.90	.82	.82	.82	.78
1.0	.95	.89	.84	.90	.85	.81	.82	.78	.74	.74	.71	.68	.67	.64	.62	.59
2.0	.81	.73	.66	.77	.70	.64	.70	.64	.59	.63	.58	.54	.57	.53	.50	.46
3.0	.70	.61	.54	.67	.59	.52	.61	.54	.48	.55	.49	.45	.50	.45	.41	.38
4.0	.62	.52	.45	.59	.50	.43	.53	.46	.40	.48	.42	.38	.44	.39	.35	.32
5.0	.55	.45	.38	.52	.43	.37	.47	.40	.34	.43	.37	.32	.39	.34	.30	.27
6.0	.49	.40	.33	.47	.38	.32	.43	.35	.30	.39	.33	.28	.35	.30	.26	.23
7.0	.44	.35	.29	.42	.34	.28	.39	.31	.26	.35	.29	.24	.32	.27	.23	.20
8.0	.40	.31	.25	.38	.30	.25	.35	.28	.23	.32	.26	.22	.29	.24	.20	.18
9.0	.37	.28	.23	.35	.27	.22	.32	.25	.21	.30	.24	.19	.27	.22	.18	.16
10.0	.34	.26	.20	.32	.25	.20	.30	.23	.19	.27	.22	.18	.25	.20	.16	.15



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

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:9.200m [K=1.0000]  
 Remarks:

## WEC AND CCEC

Test:U:24.00V I:0.4835A P:11.60W PF:1.000 Freq:50.00Hz Lamp Flux:247.575x1 lm		
NAME: SF21-24V-2835-72-CC-6500-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120802
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.386	.219	.070	.372	.212	.067	.346	.198	.063	.322	.186	.060	.299	.174	.056		
2.0	.332	.182	.056	.320	.176	.054	.296	.165	.051	.274	.154	.048	.254	.144	.045		
3.0	.295	.157	.047	.283	.152	.046	.262	.142	.043	.242	.133	.041	.224	.124	.038		
4.0	.265	.138	.040	.255	.133	.039	.235	.125	.037	.217	.117	.035	.200	.109	.033		
5.0	.241	.123	.036	.231	.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	.203	.101	.029	.196	.097	.028	.181	.091	.026	.167	.085	.025	.154	.080	.023		
8.0	.189	.092	.026	.181	.089	.025	.168	.084	.024	.155	.078	.023	.143	.073	.021		
9.0	.176	.085	.024	.169	.082	.023	.156	.077	.022	.145	.072	.021	.133	.068	.020		
10.0	.164	.079	.022	.158	.076	.021	.147	.072	.020	.136	.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	.359	.359	.359	.307	.307	.307	.209	.209	.209	.120	.120	.120	.038	.038	.038		
1.0	.356	.325	.298	.304	.279	.257	.208	.192	.178	.120	.111	.103	.038	.036	.033		
2.0	.349	.303	.264	.299	.261	.228	.205	.180	.159	.118	.105	.093	.038	.034	.030		
3.0	.341	.286	.243	.293	.247	.211	.201	.172	.148	.116	.100	.087	.037	.033	.029		
4.0	.334	.274	.229	.286	.237	.199	.197	.165	.140	.114	.097	.083	.037	.031	.027		
5.0	.326	.264	.219	.280	.229	.191	.193	.160	.135	.112	.094	.080	.036	.031	.026		
6.0	.319	.257	.212	.274	.222	.185	.189	.156	.131	.110	.091	.078	.035	.030	.026		
7.0	.311	.250	.207	.268	.217	.180	.185	.152	.128	.108	.090	.076	.035	.029	.025		
8.0	.305	.244	.203	.262	.212	.177	.182	.149	.126	.106	.088	.075	.034	.029	.025		
9.0	.299	.240	.200	.257	.208	.174	.178	.146	.124	.104	.086	.074	.034	.028	.024		
10.0	.293	.236	.198	.252	.205	.172	.175	.144	.122	.102	.085	.073	.033	.028	.024		

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

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:9.200m [K=1.0000]  
 Remarks:

### UGR(Unified Glare Rating) Table

Test:U:24.00V I:0.4835A P:11.60W PF:1.000 Freq:50.00Hz Lamp Flux:247.575x1 lm										
NAME: SF21-24V-2835-72-CC-6500-80					TYPE: 硅胶			WEIGHT:		
SPEC.:					DIM.: 28mm*11.5mm			SERIAL No.:2021120802		
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	22.3	23.6	22.9	24.2	24.8	19.6	20.9	20.1	21.5	22.1
3H	25.1	26.3	25.7	26.9	27.6	21.0	22.2	21.6	22.8	23.5
4H	26.7	27.8	27.3	28.4	29.2	21.5	22.7	22.1	23.3	24.0
6H	28.4	29.5	29.1	30.1	30.9	21.9	23.0	22.5	23.6	24.3
8H	29.4	30.5	30.0	31.1	31.8	22.0	23.0	22.6	23.7	24.4
12H	30.5	31.5	31.2	32.2	32.9	22.0	23.0	22.7	23.7	24.4
4H 2H	22.9	24.0	23.5	24.6	25.3	20.9	22.1	21.5	22.7	23.4
3H	25.9	26.9	26.6	27.6	28.4	22.7	23.7	23.3	24.4	25.1
4H	27.7	28.6	28.4	29.3	30.1	23.5	24.4	24.2	25.1	25.9
6H	29.7	30.5	30.4	31.2	32.0	24.1	24.9	24.8	25.6	26.5
8H	30.8	31.5	31.5	32.3	33.1	24.3	25.1	25.0	25.8	26.7
12H	32.0	32.7	32.7	33.5	34.3	24.5	25.2	25.2	25.9	26.8
8H 4H	28.1	28.8	28.8	29.5	30.4	24.8	25.6	25.5	26.3	27.2
6H	30.3	31.0	31.1	31.7	32.6	25.9	26.6	26.7	27.3	28.2
8H	31.7	32.3	32.4	33.0	33.9	26.4	27.0	27.2	27.8	28.7
12H	33.2	33.7	34.0	34.5	35.4	26.8	27.3	27.6	28.1	29.0
12H 4H	28.1	28.8	28.8	29.5	30.4	25.3	26.0	26.0	26.7	27.6
6H	30.5	31.1	31.2	31.8	32.7	26.6	27.2	27.4	28.0	28.9
8H	31.9	32.4	32.7	33.2	34.1	27.3	27.9	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 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117, 247.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.9)

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

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.4835A P:11.60W PF:1.000 Freq:50.00Hz Lamp Flux:247.575x1 lm		
NAME: SF21-24V-2835-72-CC-6500-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120802
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

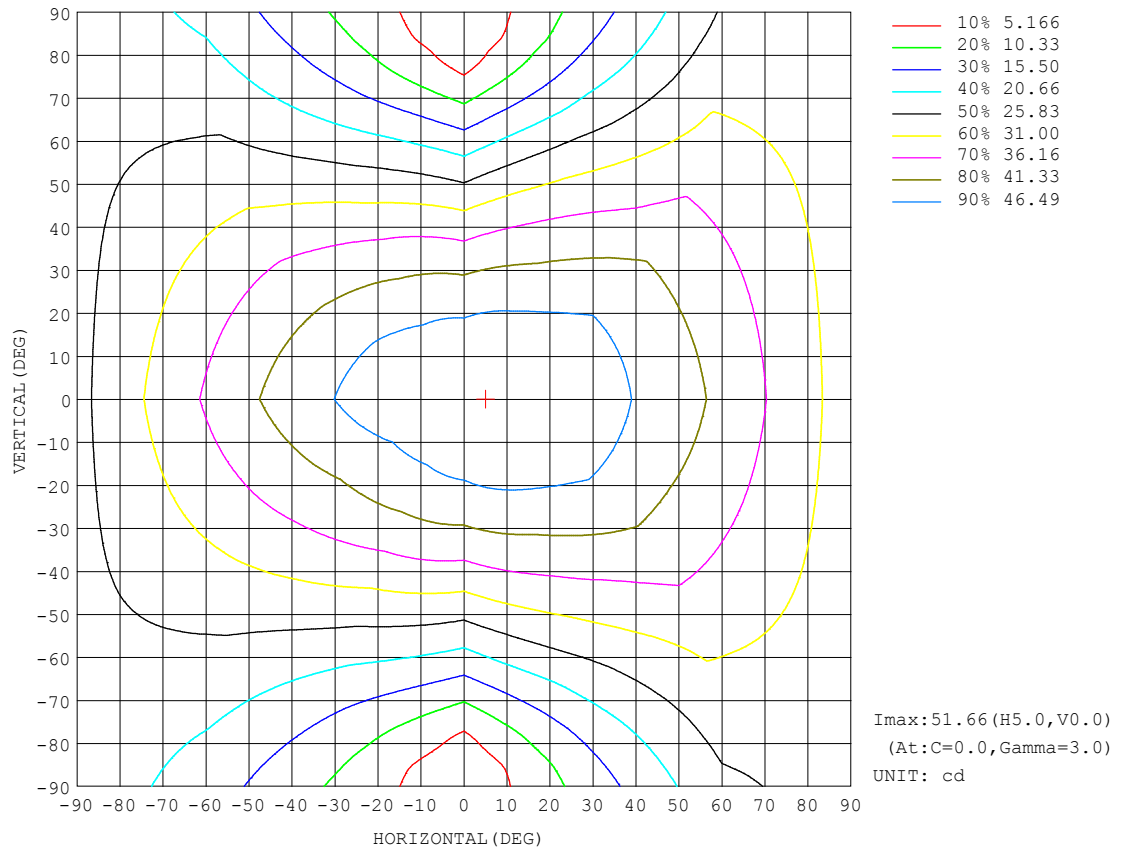
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	47	34	27	45	34	27	43	33	26	19
0.80	56	43	35	54	42	34	51	40	33	25
1.00	63	50	42	61	49	41	57	49	40	31
1.25	70	57	49	68	56	48	63	53	46	36
1.50	75	63	54	72	61	53	67	58	51	40
2.00	83	71	63	79	69	61	73	65	58	46
2.50	87	77	69	83	74	67	77	69	63	49
3.00	91	81	74	87	78	71	80	73	67	53
4.00	96	87	81	91	84	78	83	78	73	57
5.00	99	92	86	94	88	82	86	81	76	60
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.4835A P:11.60W PF:1.000 Freq:50.00Hz Lamp Flux:247.575x1 lm		
NAME: SF21-24V-2835-72-CC-6500-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120802
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



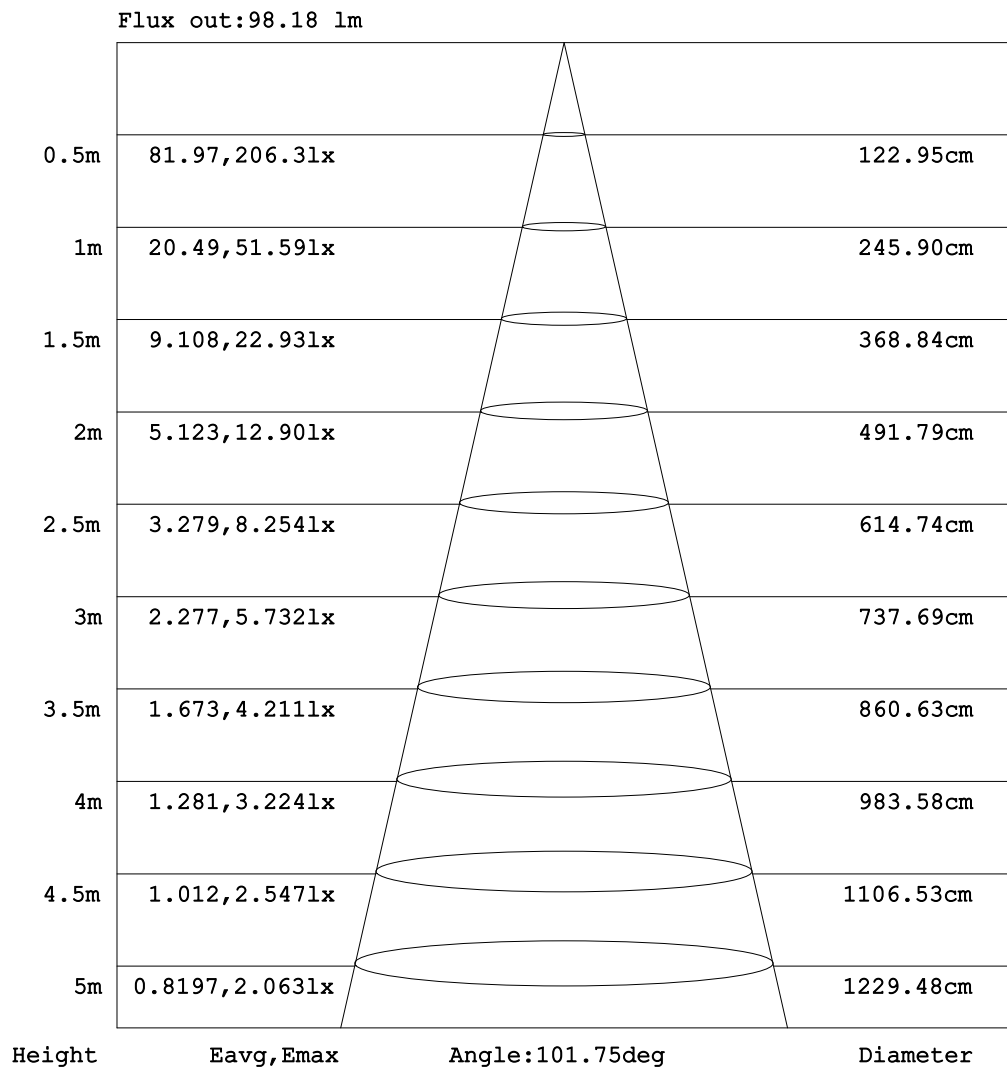
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LPC  
Test Date: 2021-12-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.4835A P:11.60W PF:1.000 Freq:50.00Hz Lamp Flux:247.575x1 lm		
NAME: SF21-24V-2835-72-CC-6500-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120802
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



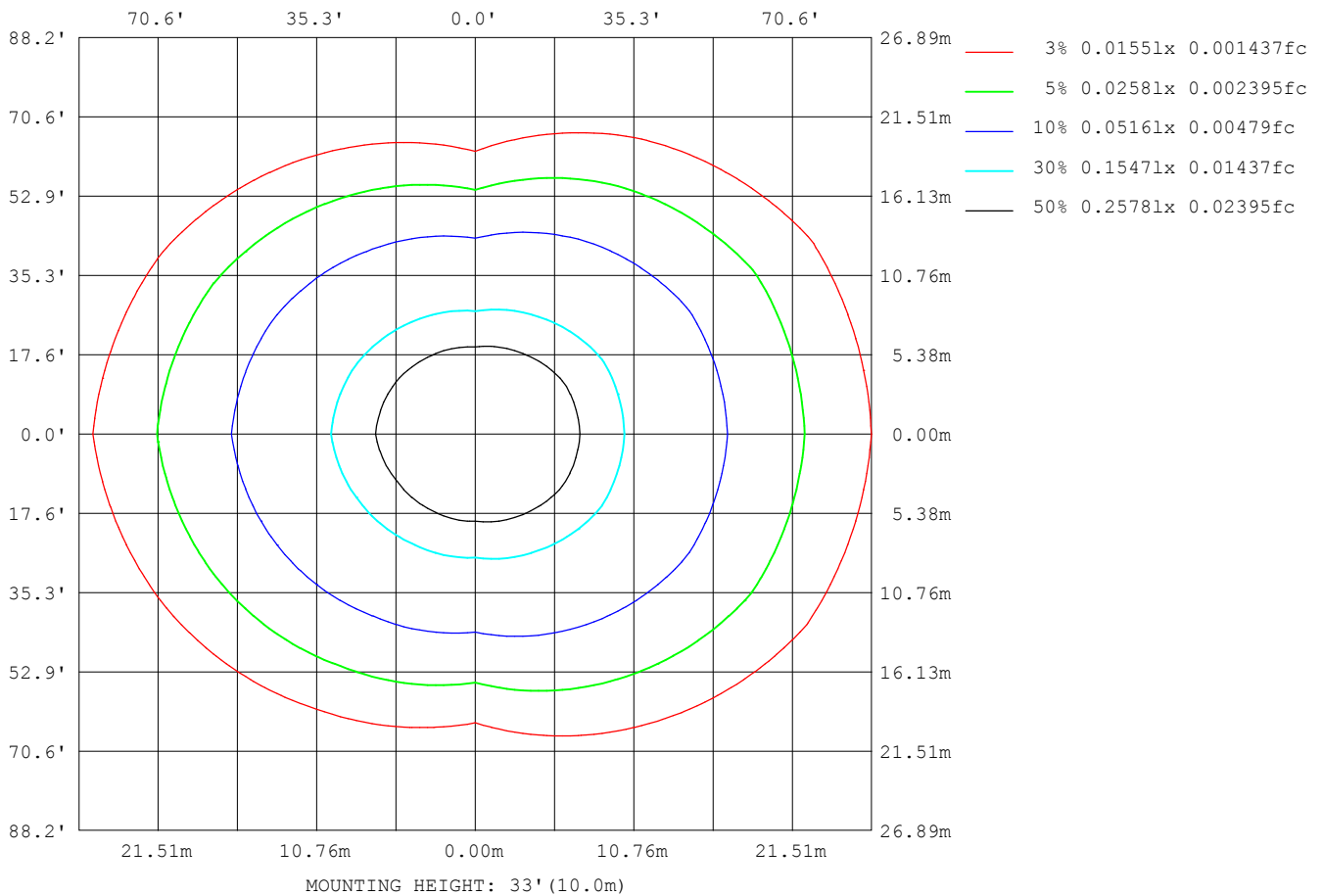
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 9.200m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:24.00V I:0.4835A P:11.60W PF:1.000 Freq:50.00Hz Lamp Flux:247.575x1 lm		
NAME: SF21-24V-2835-72-CC-6500-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120802
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.4835A P:11.60W PF:1.000 Freq:50.00Hz Lamp Flux:247.575x1 lm		
NAME: SF21-24V-2835-72-CC-6500-80	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120802
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

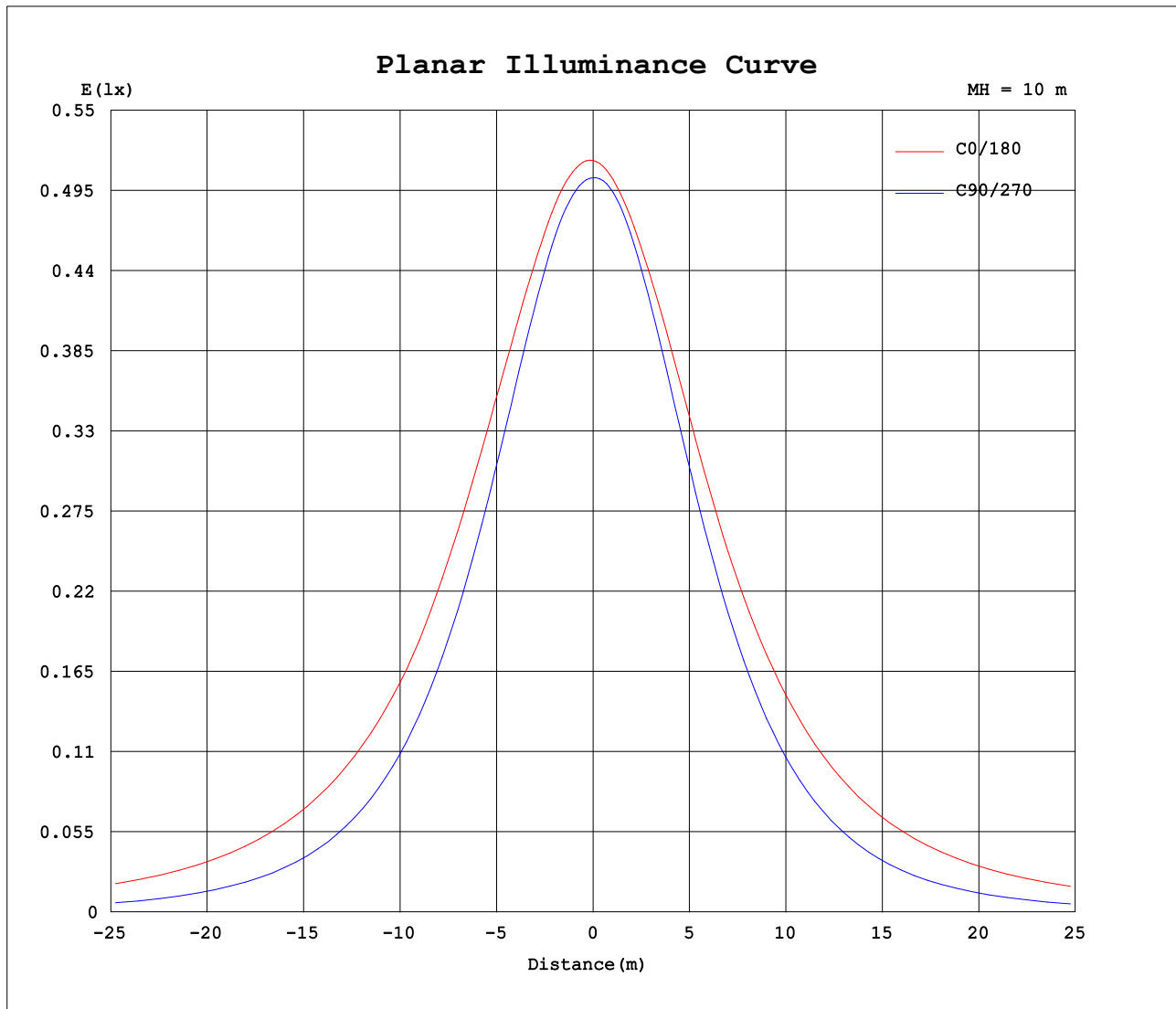
AvgL	cd/m2
L_0~180 (65) av	5393
L_0~180 (75) av	7866
L_0~180 (85) av	20393
L_90~270 (65) av	2082
L_90~270 (75) av	1458
L_90~270 (85) av	686
L_45 (65) av	4145
L_45 (75) av	5627
L_45 (85) av	13710

Standard: GB/T 29293-2012

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

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.4835A P:11.60W PF:1.000 Freq:50.00Hz Lamp Flux:247.575x1 lm		
NAME: SF21-24V-2835-72-CC-6500-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021120802
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	51.6	51.2	50.7	50.4	50.3	50.1	51.6	51.2	50.7	50.4	50.3	50.1						
5	51.6	51.4	50.8	50.1	49.7	49.4	51.2	50.7	50.3	50.3	50.4	50.6						
10	51.5	51.2	50.4	49.3	48.7	48.6	50.5	49.9	49.5	49.5	50.1	50.7						
15	50.9	50.7	49.4	47.9	47.3	47.6	49.8	49.0	48.1	48.0	49.2	50.4						
20	50.3	49.9	47.9	46.0	45.5	46.3	49.0	47.9	46.4	46.0	47.7	49.7						
25	49.6	48.8	46.1	43.7	43.5	44.6	47.9	46.4	44.3	43.5	45.8	48.8						
30	48.8	47.6	43.9	40.9	41.2	42.8	46.5	44.7	42.1	40.6	43.7	47.8						
35	47.6	46.2	41.4	37.8	38.6	40.9	45.0	42.7	39.6	37.4	41.5	46.6						
40	46.2	44.7	38.9	34.4	35.8	39.1	43.6	40.8	36.9	33.9	39.2	45.2						
45	44.6	42.8	36.3	30.7	32.8	37.1	42.1	38.9	33.9	30.1	36.8	43.7						
50	43.3	40.7	33.5	26.9	29.8	34.9	40.5	36.8	30.8	26.1	34.1	41.9						
55	41.8	38.9	30.7	22.9	26.8	32.7	38.6	34.6	27.8	21.9	31.3	39.8						
60	40.0	37.0	27.7	18.9	23.8	30.5	36.7	32.3	24.6	17.6	28.4	38.1						
65	38.1	34.9	24.7	14.8	20.8	28.2	34.8	30.0	21.5	13.4	25.4	36.2						
70	36.3	32.8	21.9	10.6	17.9	26.1	32.8	27.9	18.6	9.21	22.4	34.2						
75	34.4	30.8	19.2	6.71	15.3	24.0	30.8	25.7	15.9	5.37	19.8	32.1						
80	32.4	28.8	16.7	3.66	13.1	22.0	28.7	23.6	13.5	2.68	17.2	30.2						
85	30.3	26.8	14.7	1.21	11.2	19.9	26.6	21.5	11.6	0.71	15.1	28.3						
90	28.2	24.7	13.0	0.73	9.64	18.0	24.4	19.4	9.87	0.52	13.4	26.3						
95	26.0	22.8	11.7	0.75	8.50	16.3	22.2	17.6	8.65	0.52	12.0	24.4						
100	23.7	18.6	10.7	0.84	7.73	13.3	20.0	14.5	7.77	0.60	10.5	20.4						
105	21.6	17.7	8.79	0.92	5.39	12.6	18.2	13.7	5.79	0.69	8.63	19.4						
110	19.7	16.6	8.46	0.96	5.23	11.8	16.6	12.7	5.42	0.67	8.55	17.7						
115	18.0	15.4	6.95	1.02	4.82	10.4	15.0	11.7	4.91	0.68	7.52	14.5						
120	16.4	14.3	5.09	1.11	4.51	9.52	13.7	10.7	4.77	0.69	7.25	14.9						
125	15.0	13.3	5.04	1.20	4.47	8.73	12.5	9.73	4.57	0.75	6.66	14.1						
130	13.7	11.9	4.85	1.30	4.04	7.87	11.3	8.84	4.35	0.81	6.08	12.8						
135	12.4	9.40	4.43	1.37	3.83	6.89	10.2	7.93	4.03	0.86	5.50	10.7						
140	10.9	6.99	4.05	1.44	3.38	6.22	8.10	7.04	3.69	0.94	4.78	8.37						
145	9.41	5.21	3.82	1.49	3.02	5.34	7.69	6.22	3.35	1.02	4.42	7.20						
150	8.01	3.69	3.48	1.64	2.51	4.61	6.66	5.37	2.96	1.20	4.03	6.26						
155	6.81	3.50	3.60	1.65	2.05	3.87	5.65	4.56	2.43	1.33	4.23	5.42						
160	5.85	3.22	3.78	1.66	1.73	3.01	4.63	3.83	1.93	1.48	4.39	4.67						
165	4.98	2.81	3.84	1.66	1.29	2.11	3.87	3.03	1.28	1.63	4.35	4.08						
170	2.42	3.02	3.83	1.66	1.28	1.43	1.91	2.11	1.26	1.79	4.29	4.14						
175	2.10	2.97	3.70	1.66	1.25	1.28	1.52	1.28	1.24	1.91	4.11	4.08						
180	1.28	1.27	1.38	1.63	2.04	1.76	1.27	1.26	1.23	1.98	2.01	1.79						

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

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

## Photometric Data Table [cd]

G/C	0.0	30.0	60.0	90.0	120.0	150.0	180.0	210.0	240.0	270.0
0.0	51.56	51.21	50.73	50.38	50.26	50.13	51.56	51.21	50.73	50.38
3.0	51.65	51.36	50.78	50.27	49.95	49.73	51.36	50.94	50.53	50.39
6.0	51.62	51.35	50.74	49.98	49.51	49.26	51.07	50.57	50.20	50.18
9.0	51.53	51.28	50.52	49.55	48.94	48.76	50.69	50.12	49.71	49.70
12.0	51.28	51.06	50.07	48.84	48.20	48.23	50.24	49.57	48.96	48.95
15.0	50.94	50.74	49.41	47.90	47.33	47.60	49.78	48.99	48.08	48.00
18.0	50.56	50.30	48.59	46.82	46.30	46.84	49.31	48.40	47.09	46.88
21.0	50.16	49.71	47.61	45.57	45.16	45.98	48.76	47.57	45.97	45.54
24.0	49.75	49.00	46.50	44.14	43.92	44.97	48.12	46.75	44.77	44.04
27.0	49.30	48.27	45.24	42.59	42.61	43.88	47.39	45.69	43.45	42.42
30.0	48.77	47.57	43.89	40.91	41.17	42.76	46.55	44.66	42.08	40.62
33.0	48.13	46.80	42.46	39.05	39.63	41.64	45.63	43.49	40.62	38.70
36.0	47.38	45.94	40.96	37.11	38.03	40.57	44.70	42.32	39.05	36.71
39.0	46.48	45.01	39.42	35.10	36.34	39.51	43.86	41.18	37.41	34.57
42.0	45.47	43.98	37.87	32.96	34.58	38.34	43.03	40.08	35.67	32.35
45.0	44.56	42.82	36.30	30.74	32.78	37.11	42.15	38.92	33.87	30.07
48.0	43.86	41.57	34.62	28.47	31.00	35.81	41.17	37.67	32.03	27.69
51.0	43.03	40.24	32.96	26.11	29.24	34.49	40.13	36.38	30.19	25.24
54.0	42.12	39.19	31.26	23.71	27.45	33.13	39.02	35.05	28.36	22.76
57.0	41.12	38.14	29.54	21.31	25.64	31.82	37.88	33.67	26.53	20.21
60.0	40.02	36.99	27.73	18.88	23.80	30.46	36.73	32.28	24.64	17.61
63.0	38.88	35.81	25.91	16.42	21.98	29.12	35.55	30.95	22.74	15.13
66.0	37.78	34.50	24.07	13.94	20.20	27.82	34.39	29.64	20.92	12.58
69.0	36.68	33.23	22.38	11.46	18.48	26.53	33.20	28.32	19.13	10.05
72.0	35.55	31.97	20.80	9.004	16.87	25.26	31.98	27.04	17.42	7.642
75.0	34.39	30.77	19.23	6.709	15.34	24.02	30.76	25.74	15.87	5.369
78.0	33.19	29.57	17.68	4.619	13.97	22.79	29.53	24.47	14.42	3.498
81.0	31.98	28.35	16.29	3.248	12.71	21.56	28.27	23.24	13.11	2.369
84.0	30.73	27.18	15.05	1.709	11.57	20.33	27.01	21.95	11.93	0.9192
87.0	29.46	25.96	13.98	0.7936	10.54	19.11	25.67	20.66	10.84	0.5434
90.0	28.17	24.75	13.03	0.7288	9.637	17.97	24.36	19.45	9.872	0.5153
93.0	26.87	23.57	12.20	0.7389	8.903	16.93	23.07	18.29	9.089	0.5189
96.0	25.58	22.43	11.50	0.7590	8.320	15.95	21.83	17.21	8.436	0.5225
99.0	24.30	19.85	10.88	0.8044	7.857	13.44	20.51	14.62	7.914	0.5476
102.0	22.83	18.43	10.28	0.9057	7.286	13.06	19.28	14.18	7.489	0.6883
105.0	21.63	17.75	8.793	0.9232	5.386	12.60	18.21	13.68	5.795	0.6935
108.0	20.46	17.04	8.635	0.9449	5.227	12.11	17.21	13.11	5.677	0.6735
111.0	19.36	16.35	8.185	0.9650	5.167	11.26	16.30	12.43	5.321	0.6703
114.0	18.32	15.63	7.224	1.005	4.866	10.56	15.34	11.91	4.990	0.6760
117.0	17.33	14.94	5.855	1.056	4.710	9.975	14.50	11.30	4.814	0.6835
120.0	16.41	14.30	5.088	1.111	4.509	9.518	13.74	10.70	4.774	0.6948
123.0	15.54	13.66	4.958	1.171	4.493	9.045	13.01	10.10	4.644	0.7286
126.0	14.72	13.05	5.046	1.226	4.423	8.557	12.29	9.540	4.533	0.7618
129.0	13.92	12.36	4.941	1.282	4.118	8.040	11.58	8.993	4.407	0.7940
132.0	13.14	10.84	4.655	1.332	4.011	7.527	10.86	8.500	4.226	0.8342
135.0	12.35	9.399	4.434	1.367	3.825	6.892	10.16	7.927	4.030	0.8644
138.0	11.51	7.616	4.177	1.407	3.564	6.512	9.387	7.387	3.819	0.9296
141.0	10.62	6.604	4.001	1.443	3.303	6.034	7.895	6.857	3.623	0.9547
144.0	9.723	5.481	3.886	1.483	3.092	5.507	7.928	6.399	3.417	1.000
147.0	8.828	4.575	3.685	1.523	2.841	5.040	7.205	5.881	3.211	1.075
150.0	8.009	3.688	3.478	1.638	2.509	4.612	6.662	5.369	2.964	1.201
153.0	7.260	3.478	3.447	1.650	2.217	4.145	6.038	4.897	2.637	1.276
156.0	6.646	3.508	3.653	1.653	1.946	3.703	5.496	4.414	2.316	1.357
159.0	6.133	3.326	3.754	1.655	1.633	3.200	4.877	3.972	2.039	1.437
162.0	5.460	2.999	3.825	1.657	1.299	2.612	4.365	3.530	1.550	1.523
165.0	4.983	2.810	3.845	1.658	1.292	2.109	3.868	3.032	1.278	1.633
168.0	2.543	2.996	3.835	1.658	1.282	1.801	2.080	2.424	1.266	1.724
171.0	2.353	3.015	3.825	1.658	1.272	1.396	1.838	1.861	1.255	1.809
174.0	2.172	2.965	3.735	1.658	1.256	1.306	1.577	1.282	1.243	1.895
177.0	1.961	2.933	3.629	1.658	1.236	1.236	1.272	1.277	1.231	1.965
180.0	1.277	1.266	1.377	1.633	2.040	1.759	1.272	1.256	1.231	1.980
G/C	300.0	330.0								
0.0	50.26	50.13								
3.0	50.39	50.41								
6.0	50.38	50.61								
9.0	50.23	50.69								
12.0	49.77	50.70								
15.0	49.15	50.43								
18.0	48.34	50.03								
21.0	47.37	49.49								
24.0	46.23	48.97								
27.0	44.98	48.34								
30.0	43.69	47.76								

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

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 9.200m [K=1.0000]  
 Remarks:

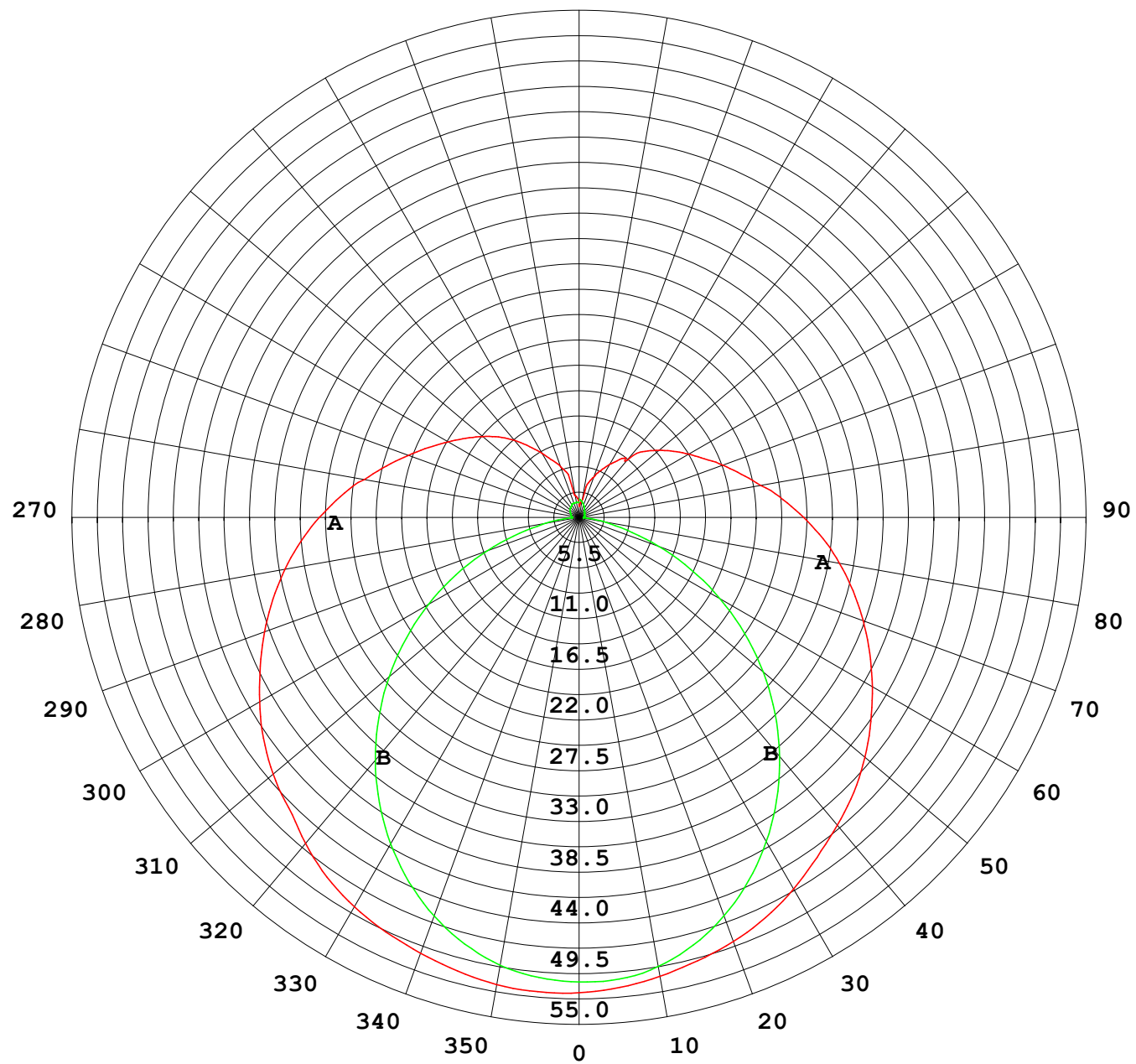
## Photometric Data Table [cd]

33.0	42.39	47.05
36.0	41.02	46.31
39.0	39.64	45.52
42.0	38.21	44.67
45.0	36.75	43.69
48.0	35.16	42.62
51.0	33.52	41.48
54.0	31.85	40.18
57.0	30.14	39.01
60.0	28.39	38.08
63.0	26.59	36.99
66.0	24.76	35.82
69.0	22.93	34.61
72.0	21.35	33.38
75.0	19.77	32.14
78.0	18.23	30.98
81.0	16.77	29.84
84.0	15.48	28.66
87.0	14.36	27.46
90.0	13.37	26.31
93.0	12.50	25.12
96.0	11.75	24.06
99.0	10.82	21.19
102.0	9.960	20.04
105.0	8.634	19.36
108.0	8.854	18.36
111.0	8.506	17.41
114.0	8.254	15.34
117.0	7.627	14.52
120.0	7.250	14.86
123.0	6.864	14.51
126.0	6.537	13.87
129.0	6.225	13.20
132.0	5.839	11.87
135.0	5.496	10.69
138.0	5.029	9.247
141.0	4.688	8.273
144.0	4.472	7.521
147.0	4.276	6.866
150.0	4.030	6.264
153.0	4.082	5.736
156.0	4.277	5.268
159.0	4.378	4.816
162.0	4.387	4.349
165.0	4.347	4.081
168.0	4.317	4.127
171.0	4.256	4.145
174.0	4.146	4.106
177.0	4.004	3.986
180.0	2.010	1.794

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

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

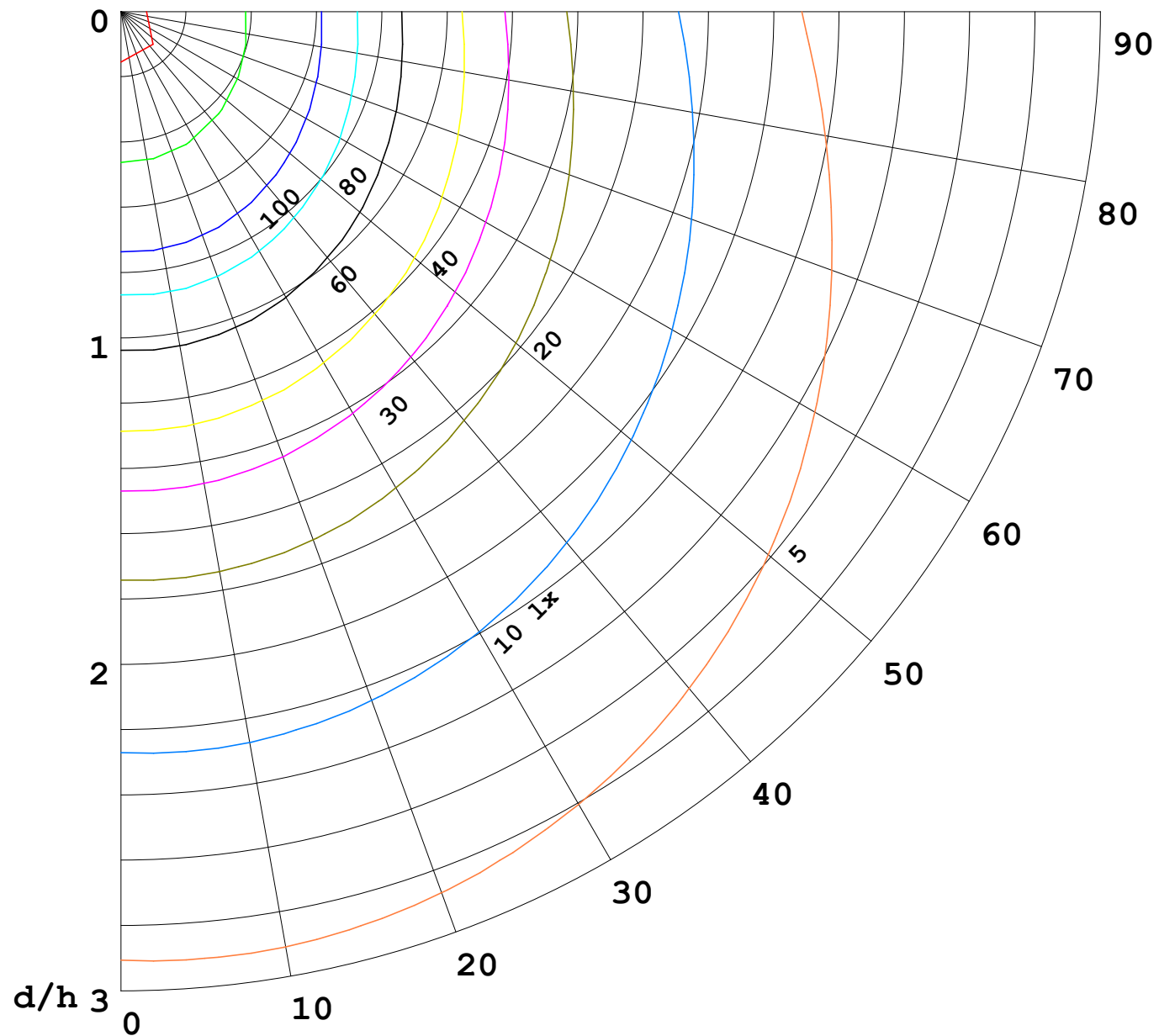
I (cd)





1000 lm

$\kappa = 1$



F = 5000 lm  
 K = 0.7  
 Hcc = 0.0 m  
 Hfc = 0.0 m  
 Eave = 100 lx

	Pcc	Pw	Pfc
—	70	50	30
—	50	30	20

