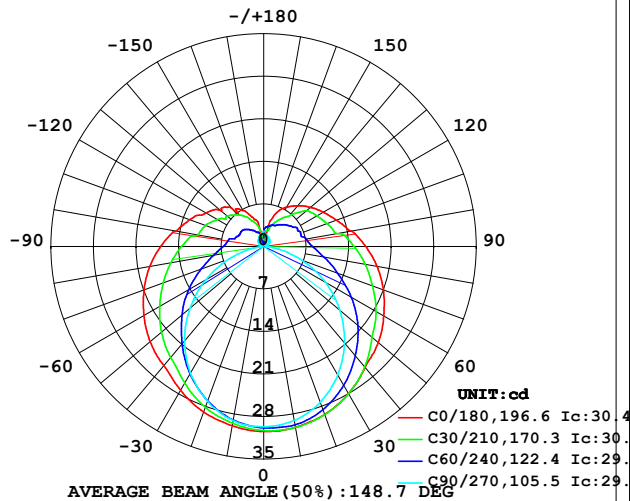


LUMINAIRE PHOTOMETRIC TEST REPORT

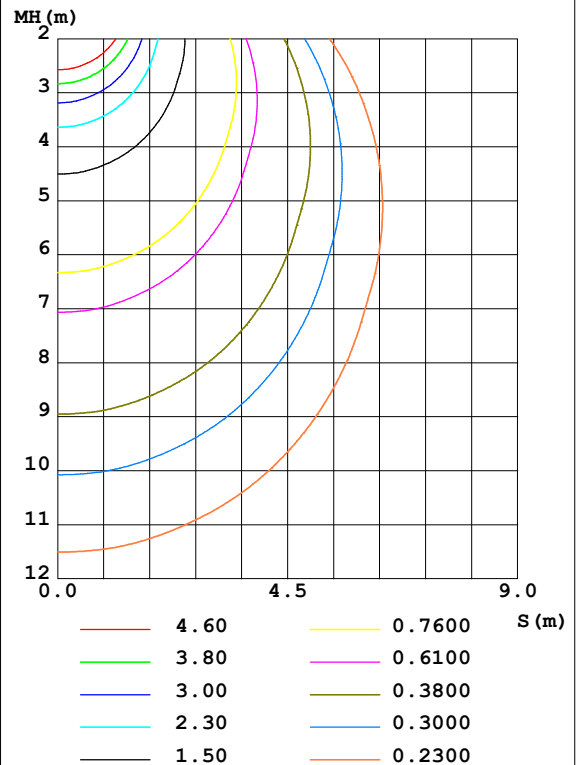
Test:U:24.00V I:0.2100A P:5.040W PF:1.000 Freq:0Hz Lamp Flux:157.654x1 lm		
NAME: SF21-24V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021112909
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 31.28 lm/W			
MODEL	3528	I _{max} (cd)	30.45	S/MH (C0/180)	1.34
NOMINAL POWER (W)	5	LOR (%)	100.0	S/MH (C90/270)	1.21
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	157.65	η UP, DN (C0-180)	13.1, 36.2
NOMINAL FLUX (lm)	157.654	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	13.8, 36.9
LAMPS INSIDE	1	η up (%)	26.9	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	24.0	η down (%)	73.1	CIBSE SHR MAX	1.50

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: 2021-11-29

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

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	30.21	30.03	29.09	28.67	29.97	29.27	29.10	29.91	0- 10	2.838	2.838	1.8,1.8
20	29.42	29.00	27.25	26.71	28.98	27.60	27.08	29.09	10- 20	8.169	11.01	6.98,6.98
30	27.96	27.17	24.42	24.17	27.35	25.11	24.11	27.45	20- 30	12.51	23.52	14.9,14.9
40	25.98	24.67	20.69	21.63	25.60	22.38	20.28	25.35	30- 40	15.48	39.00	24.7,24.7
50	24.61	21.77	16.38	19.01	24.40	19.77	15.83	22.71	40- 50	17.04	56.03	35.5,35.5
60	22.82	18.99	11.67	16.22	22.77	17.01	10.96	19.73	50- 60	17.18	73.21	46.4,46.4
70	20.95	16.01	6.725	13.53	20.97	14.30	6.080	16.90	60- 70	16.04	89.25	56.6,56.6
80	18.94	13.50	2.264	11.25	19.05	11.94	1.777	14.37	70- 80	14.07	103.3	65.5,65.5
90	16.80	11.48	0.4312	9.509	16.95	10.12	0.3226	12.31	80- 90	11.97	115.3	73.1,73.1
100	14.66	9.706	0.4827	7.993	14.64	8.470	0.3515	10.36	90-100	10.32	125.6	79.7,79.7
110	12.75	8.772	0.6233	6.963	12.94	7.476	0.5224	9.477	100-110	8.566	134.2	85.1,85.1
120	11.34	8.177	0.9250	6.053	11.04	6.657	0.8742	8.657	110-120	7.245	141.4	89.7,89.7
130	10.06	7.284	1.206	5.388	9.231	6.049	1.171	7.833	120-130	5.922	147.3	93.5,93.5
140	8.777	5.676	1.417	4.478	8.283	5.237	1.392	5.963	130-140	4.486	151.8	96.3,96.3
150	7.470	4.558	1.623	3.424	6.859	4.284	1.588	4.860	140-150	2.987	154.8	98.2,98.2
160	5.717	3.618	1.799	2.500	4.908	3.349	1.925	4.175	150-160	1.812	156.6	99.3,99.3
170	2.117	2.975	1.980	1.207	1.879	1.661	2.206	3.741	160-170	0.8244	157.5	99.9,99.9
180	0.7488	1.103	2.051	2.126	0.7438	0.8393	2.548	2.106	170-180	0.2005	157.7	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 47.408 lm

%lum = 30.1%

%lamp = 30.1%

Conical surface Flux(120deg): 73.213 lm

%lum = 46.4%

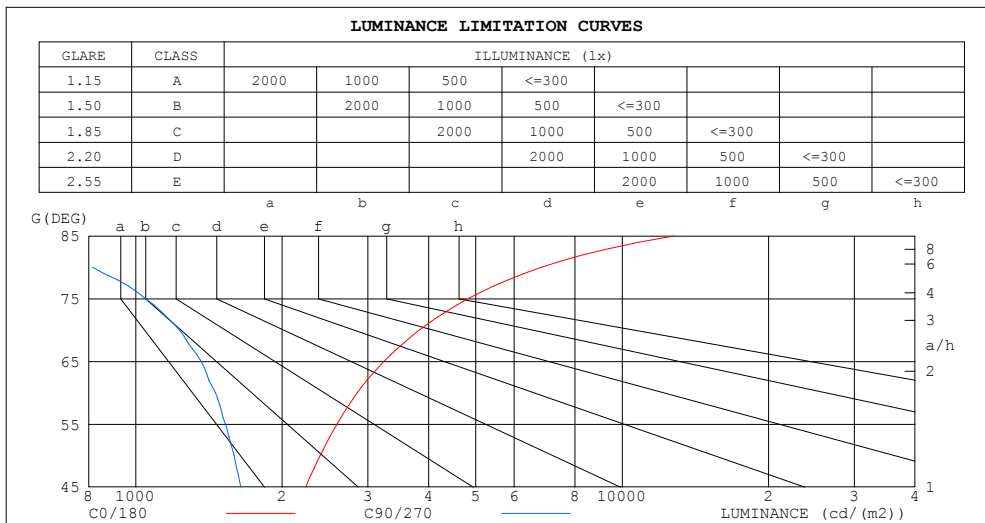
%lamp = 46.4%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-11-29

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

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.2100A P:5.040W PF:1.000 Freq:0Hz Lamp Flux:157.654x1 lm		
NAME: SF21-24V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021112909
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	12807	543
80	6818	815
75	4822	1047
70	3829	1229
65	3239	1363
60	2853	1459
55	2593	1530
50	2393	1593
45	2236	1644

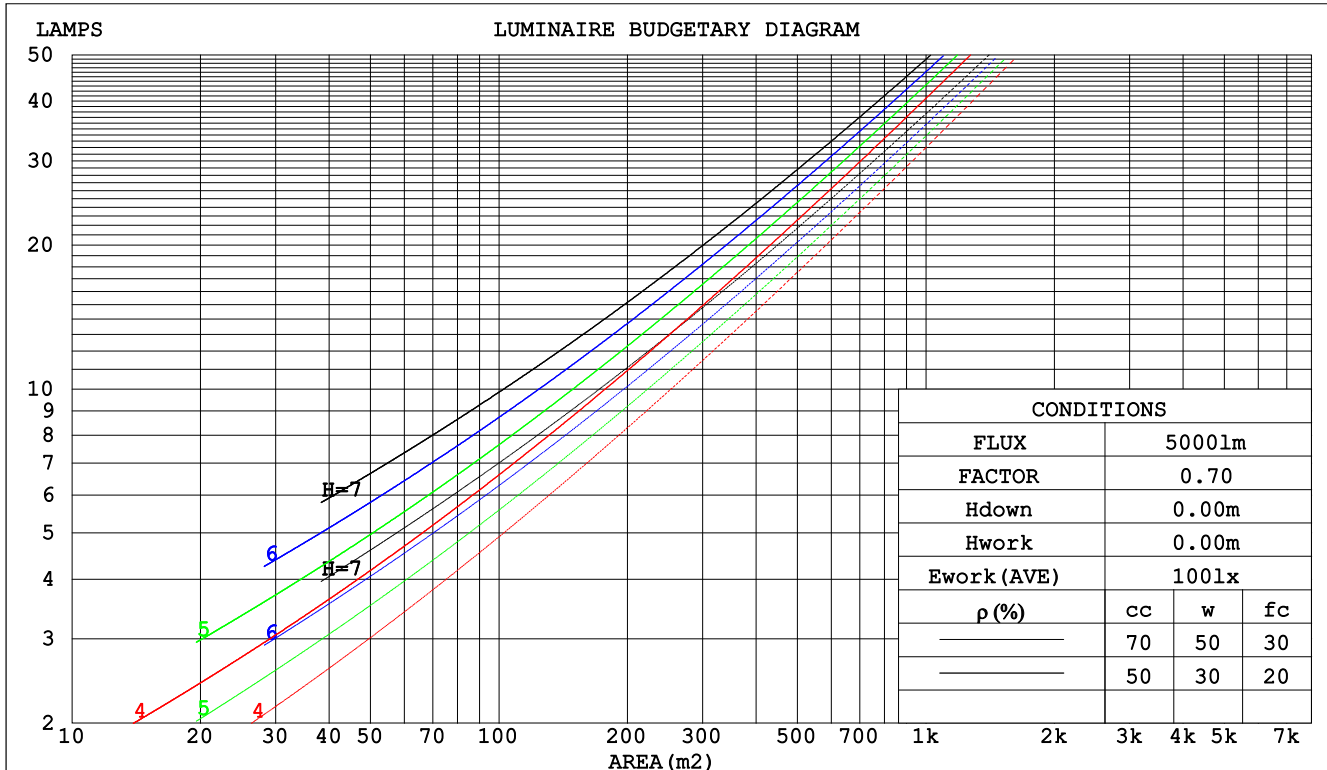
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-11-29

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:0.2100A P:5.040W PF:1.000 Freq:0Hz Lamp Flux:157.654x1 lm		
NAME: SF21-24V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021112909
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	1.13	1.13	1.13	1.07	1.07	1.07	.96	.96	.96	.86	.86	.86	.77	.77	.77	.73
1.0	.94	.88	.83	.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	.54	.50	.47	.43
3.0	.69	.60	.53	.66	.58	.51	.59	.52	.47	.52	.47	.43	.47	.42	.39	.35
4.0	.61	.52	.44	.58	.49	.43	.52	.45	.39	.46	.40	.36	.41	.36	.33	.29
5.0	.54	.45	.38	.51	.43	.36	.46	.39	.33	.41	.35	.31	.37	.32	.28	.25
6.0	.48	.39	.32	.46	.37	.31	.41	.34	.29	.37	.31	.27	.33	.28	.24	.22
7.0	.44	.35	.28	.41	.33	.27	.37	.30	.25	.34	.28	.23	.30	.25	.21	.19
8.0	.40	.31	.25	.38	.30	.24	.34	.27	.22	.31	.25	.21	.28	.23	.19	.17
9.0	.36	.28	.22	.34	.27	.21	.31	.25	.20	.28	.23	.19	.26	.21	.17	.15
10.0	.33	.25	.20	.32	.24	.19	.29	.22	.18	.26	.21	.17	.24	.19	.15	.13



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-11-29

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:0.2100A P:5.040W PF:1.000 Freq:0Hz Lamp Flux:157.654x1 lm		
NAME: SF21-24V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021112909
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 Coeffcients (WEC)										
0.0																	
1.0	.383	.218	.069	.368	.210	.067	.339	.194	.062	.312	.180	.058	.288	.167	.054		
2.0	.330	.181	.055	.316	.174	.054	.290	.161	.050	.265	.149	.047	.243	.138	.043		
3.0	.292	.155	.047	.280	.150	.045	.256	.139	.042	.234	.128	.039	.213	.118	.037		
4.0	.263	.137	.040	.251	.131	.039	.230	.122	.036	.209	.112	.034	.191	.104	.032		
5.0	.239	.122	.035	.228	.117	.034	.208	.109	.032	.190	.100	.030	.173	.092	.028		
6.0	.219	.110	.031	.209	.106	.030	.191	.098	.028	.174	.090	.027	.158	.083	.025		
7.0	.202	.100	.028	.193	.096	.027	.176	.089	.026	.161	.082	.024	.146	.076	.022		
8.0	.187	.091	.026	.179	.088	.025	.164	.082	.023	.149	.076	.022	.136	.070	.020		
9.0	.174	.084	.024	.167	.081	.023	.153	.075	.021	.139	.070	.020	.127	.064	.019		
10.0	.163	.078	.022	.156	.075	.021	.143	.070	.020	.130	.065	.018	.119	.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	.395	.395	.395	.338	.338	.338	.231	.231	.231	.132	.132	.132	.042	.042	.042		
1.0	.392	.362	.335	.335	.311	.288	.229	.214	.199	.132	.124	.116	.042	.040	.037		
2.0	.385	.340	.301	.330	.292	.260	.226	.202	.182	.130	.118	.106	.042	.038	.035		
3.0	.378	.323	.280	.324	.279	.243	.222	.194	.170	.128	.113	.100	.041	.037	.033		
4.0	.370	.311	.266	.318	.269	.231	.218	.187	.163	.126	.110	.096	.041	.036	.032		
5.0	.362	.302	.257	.311	.261	.223	.214	.182	.158	.124	.107	.093	.040	.035	.031		
6.0	.355	.294	.250	.305	.254	.217	.211	.178	.154	.122	.105	.091	.039	.034	.030		
7.0	.348	.287	.245	.300	.249	.213	.207	.175	.151	.120	.103	.090	.039	.034	.030		
8.0	.342	.282	.241	.294	.244	.210	.203	.172	.149	.118	.101	.089	.038	.033	.029		
9.0	.335	.277	.238	.289	.241	.207	.200	.169	.147	.117	.100	.088	.038	.033	.029		
10.0	.330	.273	.235	.284	.237	.205	.197	.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:2021-11-29

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:0.2100A P:5.040W PF:1.000 Freq:0Hz Lamp Flux:157.654x1 lm											
NAME: SF21-24V-3528-72-4000-80						TYPE:硅胶		WEIGHT:			
SPEC.:						DIM.: 28mm*11.5mm		SERIAL No.:2021112909			
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	21.5	22.8	22.1	23.4	24.1	19.1	20.4	19.7	21.0	21.7	
	3H	24.3	25.5	25.0	26.1	26.9	20.6	21.7	21.2	22.4	23.1
	4H	25.9	27.0	26.6	27.7	28.5	21.1	22.2	21.8	22.9	23.7
	6H	27.7	28.7	28.4	29.4	30.2	21.5	22.5	22.2	23.2	24.0
	8H	28.7	29.7	29.4	30.4	31.2	21.6	22.6	22.3	23.3	24.1
	12H	29.8	30.8	30.5	31.5	32.3	21.6	22.6	22.3	23.3	24.1
4H	2H	22.1	23.2	22.7	23.8	24.6	20.4	21.5	21.1	22.2	23.0
	3H	25.2	26.1	25.9	26.8	27.7	22.2	23.1	22.9	23.8	24.7
	4H	26.9	27.8	27.7	28.6	29.4	23.0	23.9	23.7	24.6	25.5
	6H	28.9	29.7	29.7	30.5	31.4	23.6	24.4	24.4	25.2	26.1
	8H	30.0	30.8	30.8	31.5	32.5	23.8	24.6	24.6	25.3	26.2
	12H	31.3	32.0	32.1	32.8	33.7	24.0	24.6	24.7	25.4	26.4
8H	4H	27.3	28.0	28.1	28.8	29.7	24.3	25.0	25.0	25.8	26.7
	6H	29.6	30.2	30.4	31.0	32.0	25.4	26.0	26.2	26.8	27.7
	8H	31.0	31.5	31.8	32.3	33.3	25.9	26.4	26.7	27.2	28.2
	12H	32.5	33.0	33.3	33.8	34.8	26.2	26.7	27.1	27.6	28.6
12H	4H	27.3	28.0	28.1	28.8	29.7	24.7	25.4	25.5	26.2	27.1
	6H	29.7	30.3	30.5	31.1	32.1	26.1	26.6	26.9	27.4	28.4
	8H	31.2	31.7	32.0	32.5	33.5	26.8	27.3	27.6	28.1	29.1
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, 157.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -6.4)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-11-29

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:0.2100A P:5.040W PF:1.000 Freq:0Hz Lamp Flux:157.654x1 lm		
NAME: SF21-24V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021112909
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

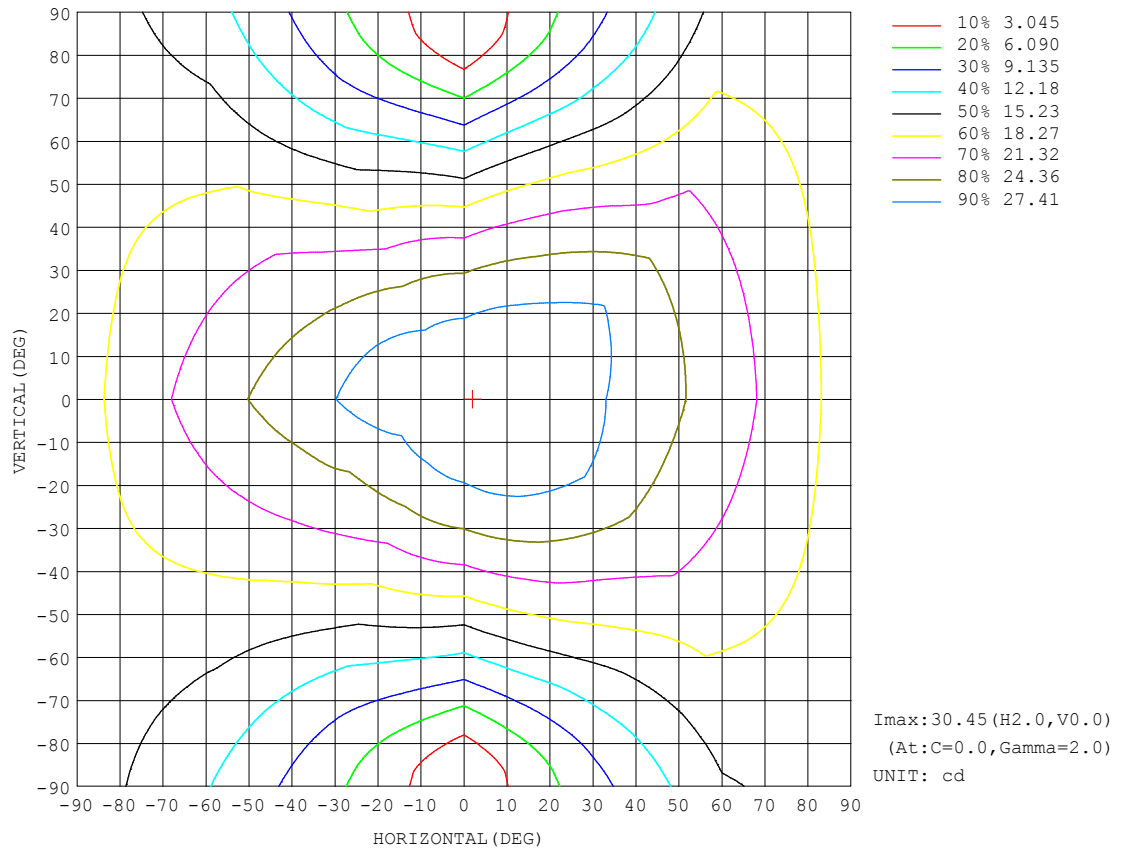
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	45	33	26	44	32	25	41	31	25	18
0.80	54	41	33	52	40	33	49	38	31	23
1.00	62	49	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	77	67	59	71	62	56	42
2.50	86	75	67	82	72	65	74	66	60	46
3.00	89	80	72	85	77	70	77	70	65	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					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-11-29

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

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.2100A P:5.040W PF:1.000 Freq:0Hz Lamp Flux:157.654x1 lm		
NAME: SF21-24V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021112909
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

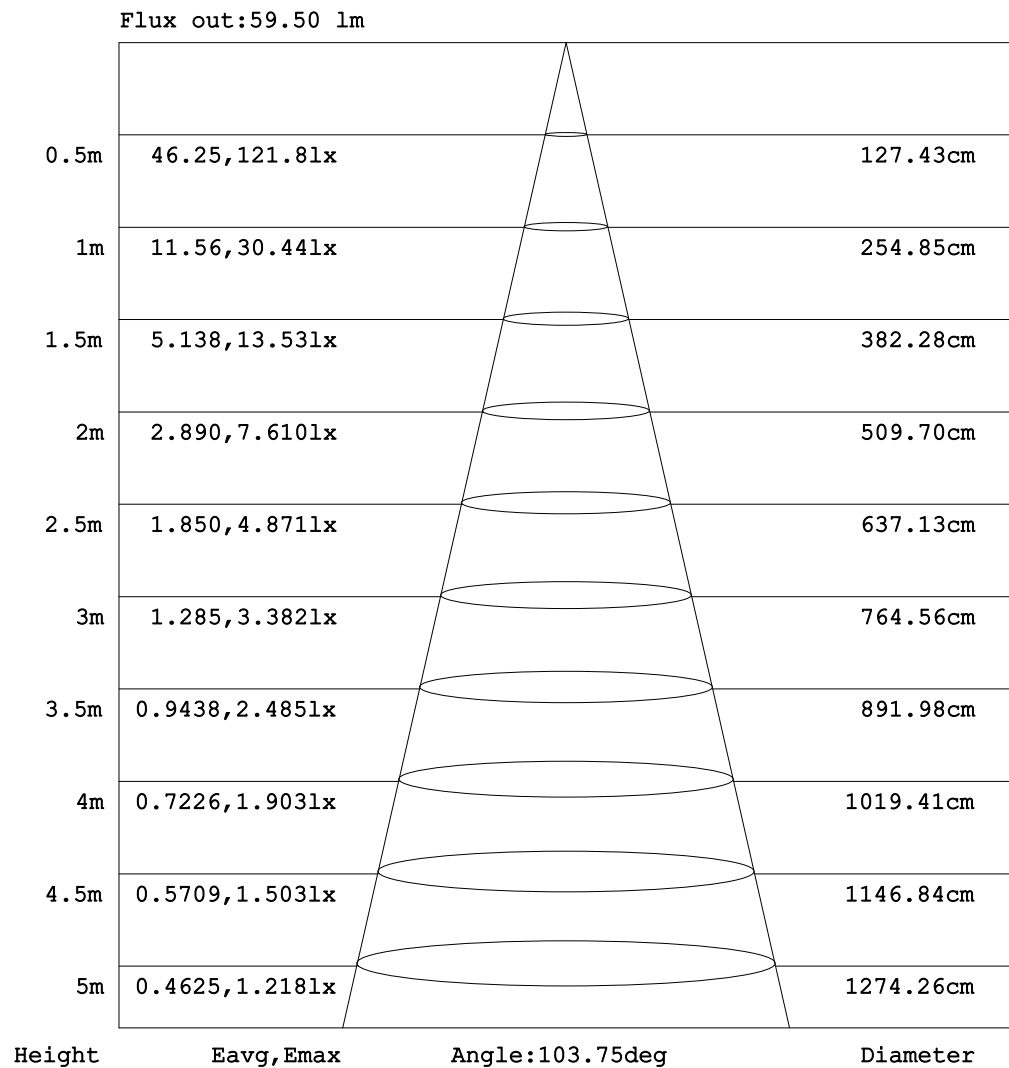


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-11-29

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

AAI Figure

Test:U:24.00V I:0.2100A P:5.040W PF:1.000 Freq:0Hz Lamp Flux:157.654x1 lm		
NAME: SF21-24V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021112909
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:



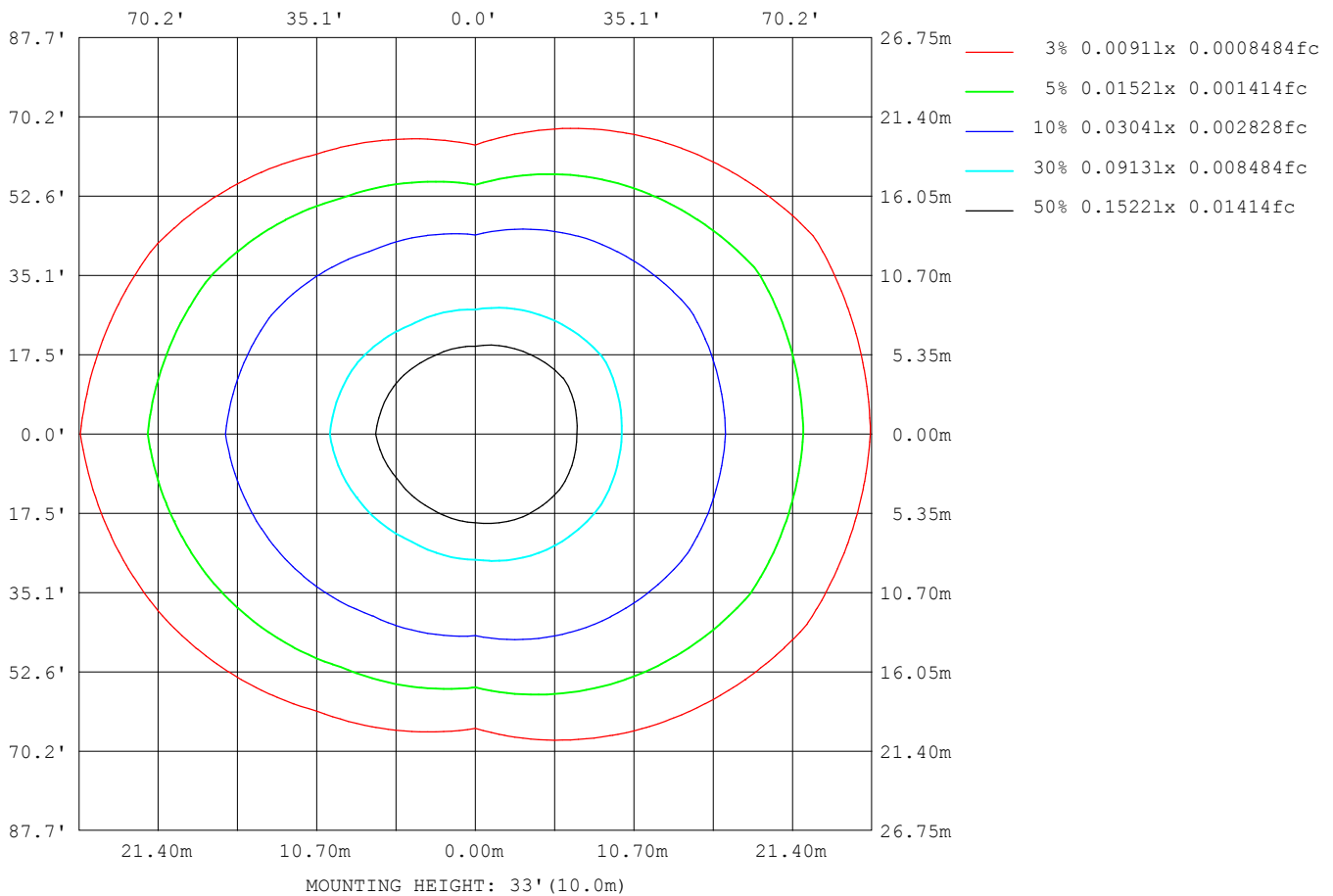
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-11-29

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:0.2100A P:5.040W PF:1.000 Freq:0Hz Lamp Flux:157.654x1 lm		
NAME: SF21-24V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021112909
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:2021-11-29

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

LED Avg.L Report

Test:U:24.00V I:0.2100A P:5.040W PF:1.000 Freq:0Hz Lamp Flux:157.654x1 lm		
NAME: SF21-24V-3528-72-4000-80	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021112909
MFR.: OLYMPIA	SUR.:1*0.016	Shielding Angle:

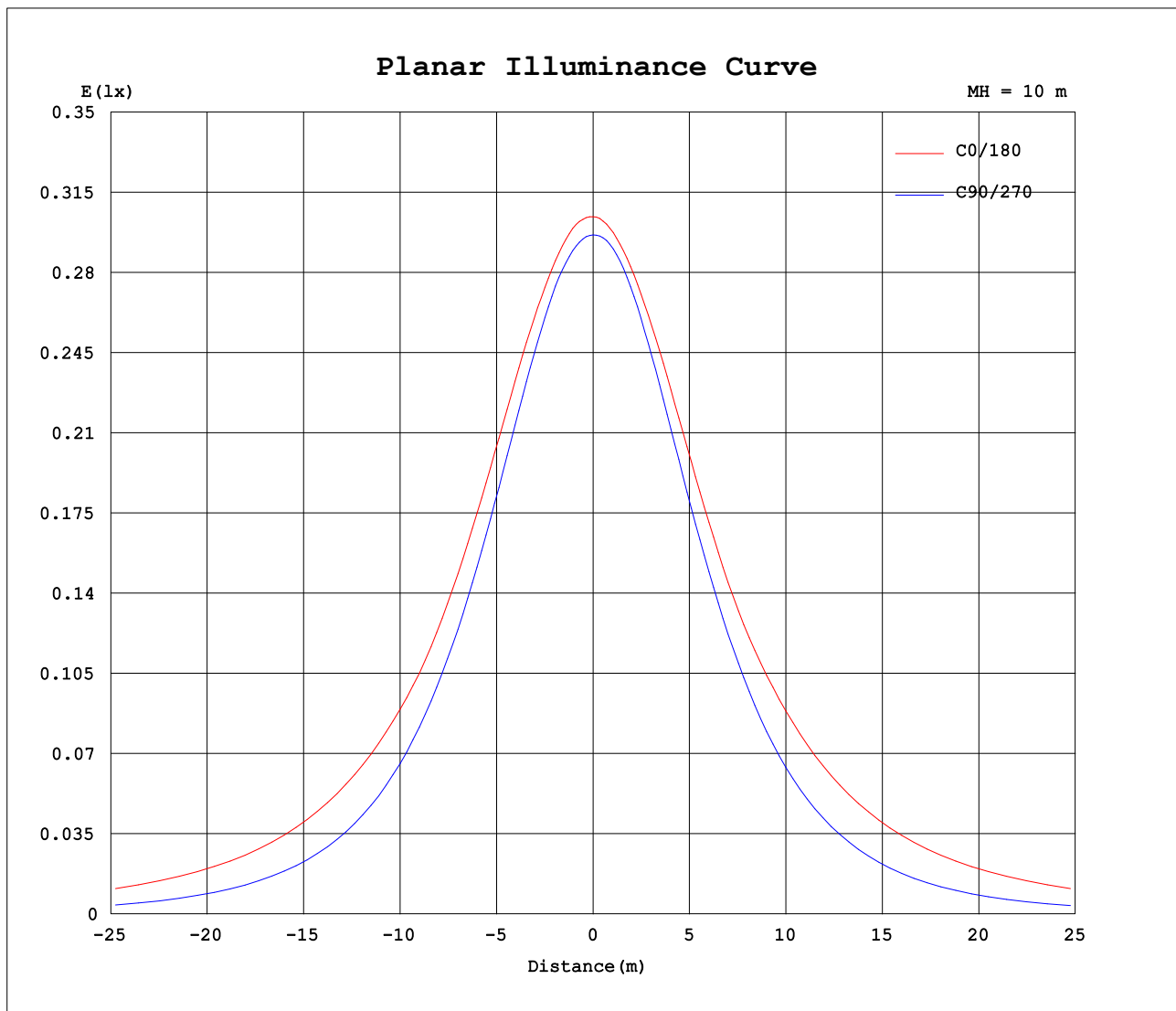
AvgL	cd/m2
L_0~180 (65) av	3236
L_0~180 (75) av	4830
L_0~180 (85) av	12855
L_90~270 (65) av	1310
L_90~270 (75) av	978
L_90~270 (85) av	429
L_45 (65) av	2473
L_45 (75) av	3422
L_45 (85) av	8639

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-11-29

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: 2021-11-29

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.2100A P:5.040W PF:1.000 Freq:0Hz Lamp Flux:157.654x1 lm		
NAME: SF21-24V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 28mm*11.5mm	SERIAL No.:2021112909
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	30.4	30.3	29.8	29.6	29.7	29.7	30.4	30.3	29.8	29.6	29.7	29.7						
5	30.5	30.4	29.9	29.5	29.3	29.3	30.3	30.0	29.5	29.6	29.8	30.0						
10	30.2	30.2	29.8	29.1	28.7	28.6	30.0	29.5	29.0	29.1	29.6	30.2						
15	29.9	29.9	29.3	28.3	27.8	27.8	29.5	28.9	28.1	28.2	29.2	30.1						
20	29.4	29.4	28.6	27.3	26.7	26.7	29.0	28.2	27.0	27.1	28.4	29.8						
25	28.8	28.8	27.6	26.0	25.3	25.5	28.3	27.2	25.7	25.7	27.4	29.3						
30	28.0	28.0	26.4	24.4	23.8	24.5	27.3	26.0	24.2	24.1	26.2	28.7						
35	27.0	27.0	25.0	22.6	22.1	23.8	26.4	24.8	22.6	22.3	24.9	28.0						
40	26.0	25.9	23.5	20.7	20.4	22.8	25.6	23.8	20.9	20.3	23.6	27.1						
45	25.3	24.6	21.9	18.6	18.9	21.8	25.1	23.0	19.2	18.1	22.1	26.1						
50	24.6	23.3	20.3	16.4	17.3	20.7	24.4	22.0	17.6	15.8	20.5	24.9						
55	23.8	22.4	18.5	14.0	15.6	19.6	23.6	20.9	16.0	13.4	18.8	23.6						
60	22.8	21.3	16.6	11.7	13.9	18.5	22.8	19.8	14.3	11.0	17.0	22.4						
65	21.9	20.2	14.7	9.21	12.3	17.4	21.9	18.6	12.6	8.51	15.2	21.5						
70	21.0	19.1	13.0	6.73	10.7	16.3	21.0	17.6	11.0	6.08	13.3	20.5						
75	20.0	18.0	11.5	4.33	9.38	15.3	20.0	16.6	9.58	3.76	11.8	19.4						
80	18.9	17.0	10.1	2.26	8.22	14.3	19.1	15.5	8.38	1.78	10.3	18.4						
85	17.9	15.9	8.92	0.76	7.32	13.3	18.0	14.5	7.41	0.44	9.12	17.4						
90	16.8	14.9	8.06	0.43	6.63	12.4	17.0	13.6	6.68	0.32	8.23	16.4						
95	15.8	14.0	7.46	0.45	6.20	11.6	15.9	12.6	6.19	0.34	7.59	15.4						
100	14.7	12.3	7.12	0.48	5.96	10.0	14.6	11.0	5.93	0.35	7.22	13.5						
105	13.6	11.6	6.45	0.56	4.83	9.80	13.8	10.6	4.99	0.41	6.60	12.9						
110	12.8	11.1	6.46	0.62	4.53	9.39	12.9	10.2	4.75	0.52	6.61	12.3						
115	12.0	10.6	6.19	0.75	4.33	8.44	12.2	9.54	4.47	0.70	6.61	11.7						
120	11.3	10.1	6.23	0.92	4.25	7.86	11.0	8.86	4.45	0.87	6.15	11.2						
125	10.7	9.70	5.76	1.07	4.16	7.17	10.4	7.91	4.45	1.03	5.81	10.7						
130	10.1	9.18	5.38	1.21	3.80	6.97	9.23	7.79	4.31	1.17	5.50	10.2						
135	9.42	7.90	5.07	1.33	3.54	6.46	9.17	7.35	4.00	1.30	5.21	8.91						
140	8.78	6.64	4.71	1.42	3.13	5.82	8.28	6.84	3.64	1.39	4.72	7.21						
145	8.12	5.86	4.41	1.49	2.73	5.06	7.52	6.23	3.28	1.48	4.30	6.42						
150	7.47	5.09	4.03	1.62	2.53	4.32	6.86	5.61	2.95	1.59	3.98	5.74						
155	6.77	4.39	3.88	1.71	2.31	3.60	5.85	4.63	2.59	1.75	3.84	5.08						
160	5.72	3.54	3.70	1.80	2.12	2.88	4.91	4.19	2.51	1.92	4.04	4.31						
165	4.46	2.75	3.52	1.89	0.78	2.66	4.40	3.39	0.84	2.10	4.07	3.66						
170	2.12	2.61	3.34	1.98	0.76	1.65	1.88	2.57	0.75	2.21	3.85	3.63						
175	1.67	2.35	3.11	2.06	0.75	1.00	1.50	1.14	0.73	2.38	3.74	3.58						
180	0.75	0.74	1.46	2.05	2.41	1.84	0.74	0.74	0.94	2.55	2.38	1.83						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-11-29

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	30.44	30.31	29.84	29.64	29.67	29.71	30.44	30.31	29.84	29.64
3.0	30.45	30.36	29.91	29.59	29.48	29.44	30.37	30.15	29.70	29.64
6.0	30.42	30.35	29.89	29.44	29.21	29.15	30.24	29.93	29.45	29.51
9.0	30.28	30.28	29.86	29.19	28.86	28.77	30.04	29.66	29.13	29.24
12.0	30.08	30.14	29.68	28.81	28.43	28.29	29.81	29.31	28.68	28.79
15.0	29.86	29.92	29.33	28.31	27.84	27.77	29.52	28.94	28.14	28.24
18.0	29.61	29.65	28.91	27.73	27.19	27.15	29.22	28.51	27.50	27.62
21.0	29.30	29.32	28.38	27.01	26.44	26.49	28.85	27.97	26.79	26.81
24.0	28.90	28.94	27.78	26.25	25.62	25.76	28.42	27.35	26.00	26.03
27.0	28.46	28.48	27.12	25.35	24.74	25.05	27.91	26.71	25.14	25.04
30.0	27.96	27.98	26.36	24.42	23.80	24.54	27.35	25.99	24.24	24.11
33.0	27.41	27.40	25.55	23.37	22.80	24.09	26.77	25.25	23.29	23.03
36.0	26.84	26.78	24.69	22.25	21.81	23.57	26.17	24.53	22.30	21.89
39.0	26.19	26.10	23.79	21.09	20.78	23.01	25.71	24.00	21.26	20.68
42.0	25.63	25.38	22.84	19.89	19.80	22.41	25.41	23.51	20.21	19.42
45.0	25.30	24.61	21.92	18.60	18.91	21.79	25.07	22.96	19.16	18.12
48.0	24.90	23.81	20.93	17.25	17.96	21.15	24.68	22.38	18.19	16.76
51.0	24.46	23.08	19.91	15.92	17.00	20.49	24.25	21.76	17.26	15.36
54.0	23.96	22.53	18.86	14.51	15.99	19.80	23.79	21.12	16.29	13.94
57.0	23.41	21.97	17.76	13.09	14.96	19.16	23.29	20.45	15.29	12.47
60.0	22.82	21.34	16.64	11.67	13.94	18.50	22.77	19.76	14.27	10.96
63.0	22.26	20.68	15.51	10.17	12.94	17.83	22.22	19.09	13.25	9.498
66.0	21.72	19.97	14.38	8.710	11.96	17.19	21.68	18.45	12.26	8.035
69.0	21.15	19.30	13.28	7.208	11.03	16.54	21.13	17.80	11.31	6.557
72.0	20.57	18.64	12.36	5.735	10.17	15.89	20.60	17.18	10.39	5.141
75.0	19.97	18.00	11.49	4.334	9.381	15.27	20.03	16.55	9.576	3.763
78.0	19.36	17.38	10.62	3.057	8.652	14.66	19.46	15.92	8.828	2.506
81.0	18.73	16.76	9.798	1.917	8.018	14.09	18.84	15.31	8.154	1.455
84.0	18.08	16.15	9.119	0.9829	7.485	13.51	18.21	14.70	7.577	0.6356
87.0	17.42	15.52	8.541	0.4522	7.023	12.95	17.57	14.12	7.110	0.3370
90.0	16.80	14.89	8.058	0.4312	6.625	12.39	16.95	13.55	6.683	0.3226
93.0	16.18	14.36	7.671	0.4433	6.338	11.91	16.35	12.98	6.352	0.3313
96.0	15.58	13.81	7.384	0.4524	6.142	11.49	15.74	12.49	6.145	0.3399
99.0	14.99	13.14	7.177	0.4725	5.991	10.49	15.14	11.37	5.985	0.3486
102.0	14.12	11.87	7.022	0.5379	5.876	9.966	14.29	10.87	5.859	0.3818
105.0	13.60	11.63	6.445	0.5629	4.834	9.805	13.76	10.62	4.995	0.4120
108.0	13.08	11.32	6.456	0.5882	4.528	9.558	13.26	10.38	4.879	0.4572
111.0	12.60	10.97	6.498	0.6434	4.548	9.297	12.78	10.11	4.712	0.5476
114.0	12.14	10.68	6.338	0.7190	4.331	8.593	12.33	9.691	4.537	0.6681
117.0	11.73	10.40	6.307	0.8195	4.292	8.166	11.44	9.269	4.458	0.7636
120.0	11.34	10.12	6.233	0.9250	4.247	7.860	11.04	8.861	4.453	0.8742
123.0	10.94	9.875	5.811	1.010	4.232	7.608	10.64	8.495	4.498	0.9796
126.0	10.57	9.603	5.695	1.101	4.121	6.902	10.27	7.691	4.447	1.075
129.0	10.19	9.346	5.464	1.176	3.896	7.075	9.615	7.886	4.347	1.156
132.0	9.807	8.657	5.238	1.252	3.679	6.794	9.433	7.630	4.211	1.236
135.0	9.420	7.904	5.067	1.327	3.539	6.457	9.165	7.354	4.005	1.302
138.0	9.033	7.220	4.851	1.387	3.318	6.115	8.733	7.021	3.789	1.347
141.0	8.646	6.371	4.650	1.437	3.032	5.693	7.543	6.701	3.572	1.402
144.0	8.254	5.970	4.479	1.483	2.800	5.216	7.698	6.354	3.341	1.452
147.0	7.862	5.537	4.263	1.523	2.624	4.768	7.300	6.002	3.171	1.503
150.0	7.470	5.090	4.026	1.623	2.533	4.316	6.859	5.615	2.954	1.588
153.0	7.083	4.663	3.912	1.674	2.419	3.894	6.414	5.128	2.678	1.683
156.0	6.591	4.230	3.860	1.724	2.292	3.462	5.662	4.629	2.572	1.794
159.0	5.933	3.717	3.750	1.784	2.196	2.999	5.134	4.233	2.527	1.889
162.0	5.190	3.205	3.639	1.840	1.078	2.709	4.693	3.897	1.978	2.000
165.0	4.455	2.754	3.523	1.890	0.7768	2.657	4.401	3.394	0.8385	2.101
168.0	2.313	2.688	3.413	1.950	0.7691	2.243	2.124	2.639	0.7532	2.141
171.0	2.021	2.563	3.302	2.000	0.7639	1.521	1.803	2.468	0.7451	2.241
174.0	1.755	2.402	3.172	2.041	0.7539	1.130	1.562	1.497	0.7369	2.357
177.0	1.533	2.209	2.936	2.066	0.7388	0.7388	1.401	0.7801	0.7288	2.442
180.0	0.7488	0.7438	1.462	2.051	2.407	1.844	0.7438	0.7388	0.9398	2.548
G/C	300.0	330.0								
0.0	29.67	29.71								
3.0	29.77	29.92								
6.0	29.76	30.08								
9.0	29.70	30.16								
12.0	29.48	30.15								
15.0	29.16	30.09								
18.0	28.73	29.93								
21.0	28.20	29.70								
24.0	27.59	29.41								
27.0	26.93	29.08								
30.0	26.21	28.70								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-11-29

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:

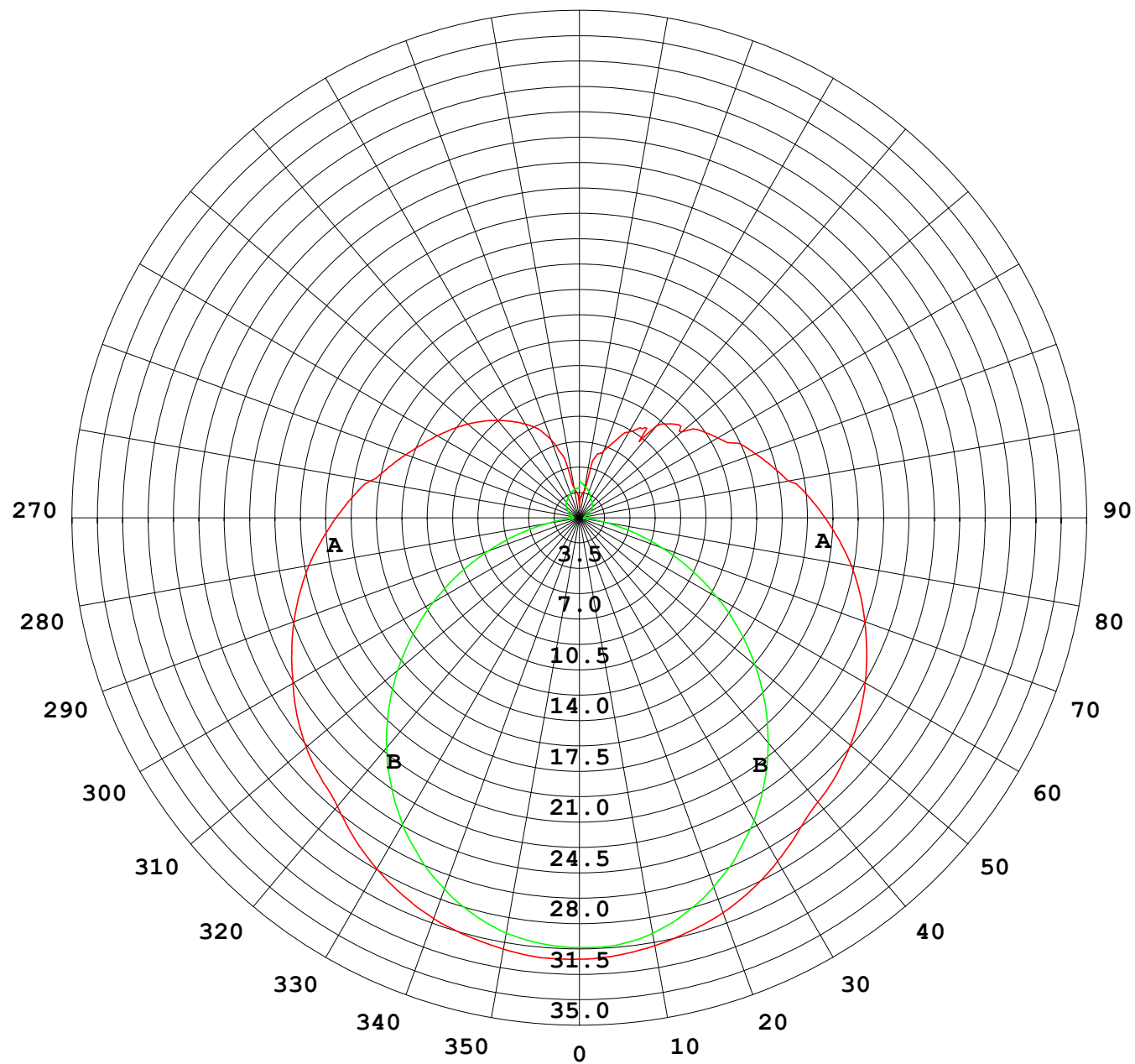
Photometric Data Table [cd]

33.0	25.46	28.31
36.0	24.67	27.86
39.0	23.85	27.32
42.0	22.97	26.73
45.0	22.09	26.08
48.0	21.19	25.38
51.0	20.21	24.65
54.0	19.19	23.88
57.0	18.12	23.07
60.0	17.01	22.44
63.0	15.91	21.93
66.0	14.78	21.35
69.0	13.66	20.73
72.0	12.64	20.09
75.0	11.77	19.42
78.0	10.90	18.79
81.0	10.07	18.18
84.0	9.330	17.59
87.0	8.738	16.99
90.0	8.226	16.40
93.0	7.819	15.82
96.0	7.502	15.25
99.0	7.277	14.45
102.0	7.101	13.25
105.0	6.598	12.91
108.0	6.584	12.59
111.0	6.614	12.22
114.0	6.539	11.85
117.0	6.078	11.50
120.0	6.151	11.16
123.0	5.965	10.85
126.0	5.709	10.57
129.0	5.518	10.30
132.0	5.417	9.652
135.0	5.206	8.913
138.0	4.929	8.114
141.0	4.618	7.217
144.0	4.372	6.596
147.0	4.186	6.137
150.0	3.979	5.740
153.0	3.800	5.364
156.0	3.901	4.941
159.0	4.032	4.469
162.0	4.049	4.017
165.0	4.066	3.665
168.0	4.005	3.593
171.0	3.824	3.649
174.0	3.764	3.609
177.0	3.693	3.449
180.0	2.382	1.829

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-11-29

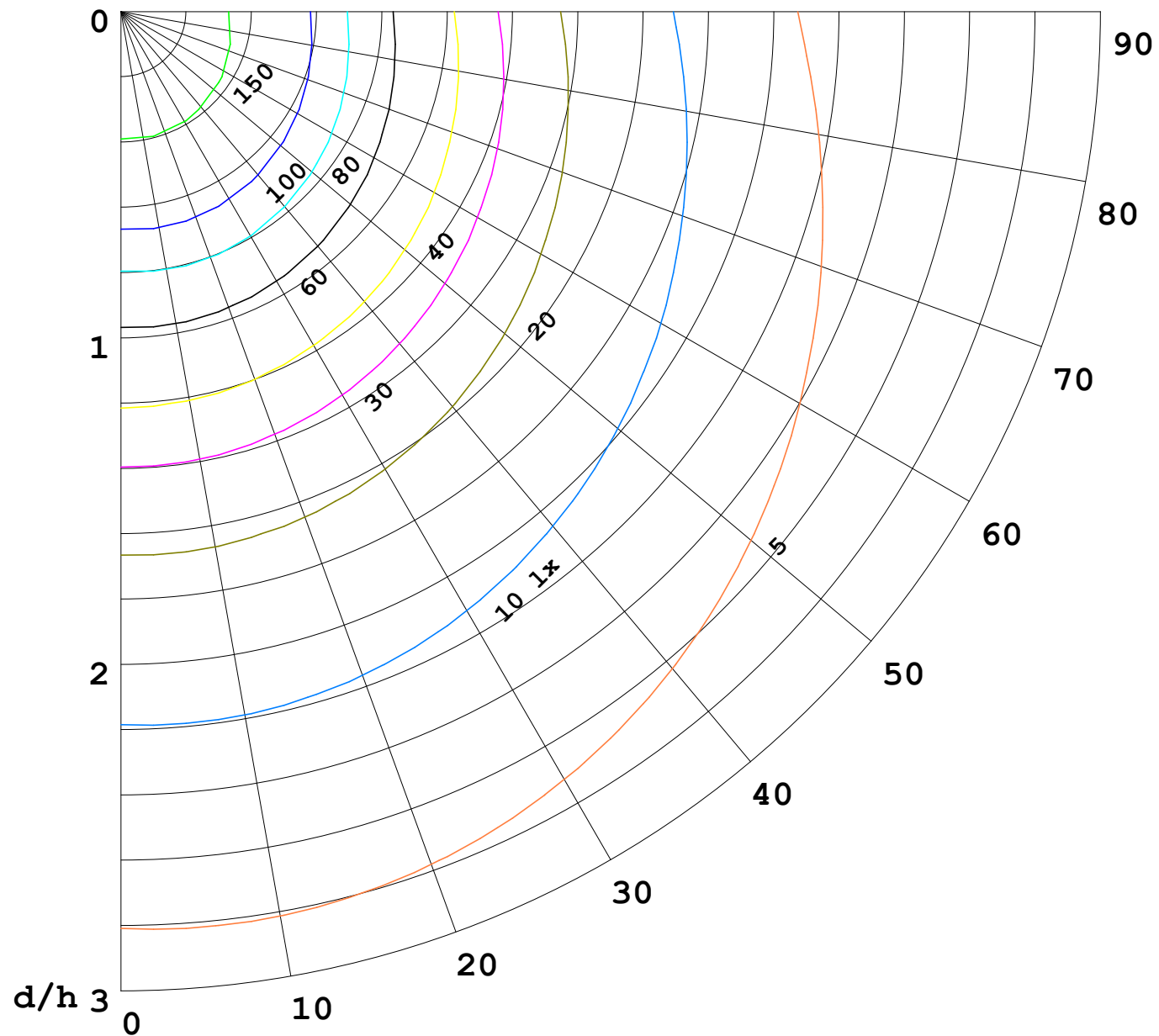
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

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

