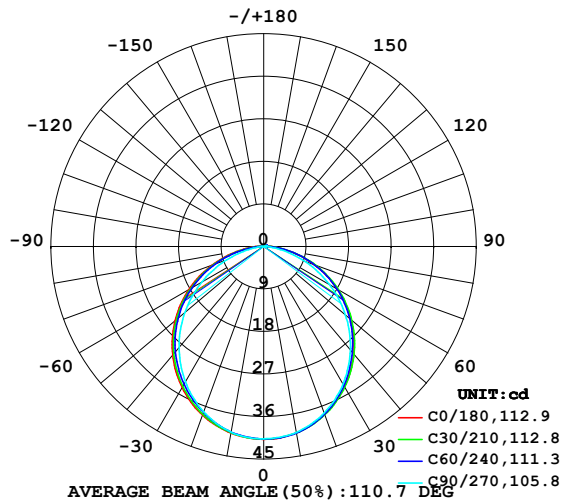


LUMINAIRE PHOTOMETRIC TEST REPORT

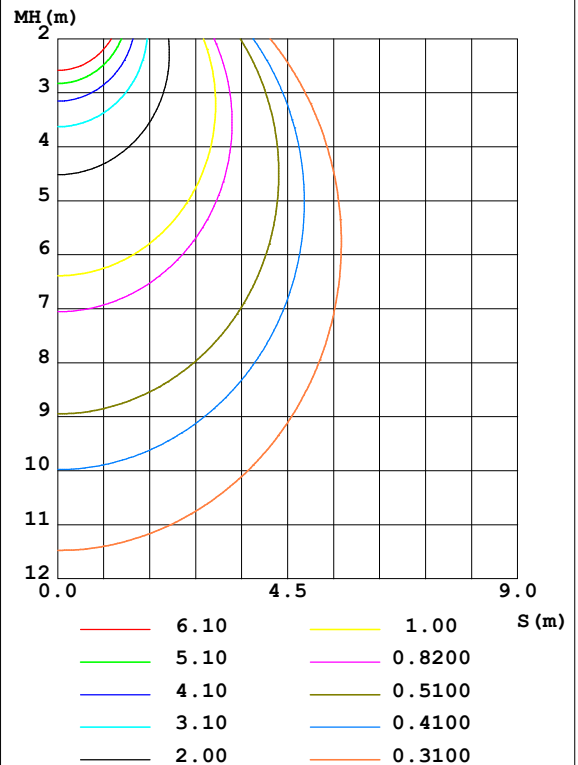
Test:U:24.00V I:0.2091A P:5.018W PF:1.000 Freq:50.00Hz Lamp Flux:116.797x1 lm		
NAME: SF15-24V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122107
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 23.27 lm/W			
MODEL	3528	I _{max} (cd)	40.81	S/MH (C0/180)	1.26
NOMINAL POWER (W)	5	LOR (%)	100.0	S/MH (C90/270)	1.22
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	116.80	η UP, DN (C0-180)	0.8, 48.9
NOMINAL FLUX (lm)	116.797	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 49.8
LAMPS INSIDE	1	η up (%)	1.3	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	24	η down (%)	98.7	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-12-21

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

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	40.03	40.09	39.94	39.68	40.09	39.94	39.90	40.21	0- 10	3.853	3.853	3.3,3.3
20	37.77	37.80	37.48	37.20	37.93	37.56	37.21	37.97	10- 20	11.00	14.85	12.7,12.7
30	34.24	34.18	33.59	33.46	34.50	33.96	33.10	34.42	20- 30	16.56	31.41	26.9,26.9
40	29.62	29.47	28.57	28.69	29.95	29.36	27.87	29.93	30- 40	19.84	51.25	43.9,43.9
50	24.14	24.07	22.58	23.08	24.48	23.87	21.79	24.83	40- 50	20.50	71.74	61.4,61.4
60	18.01	18.06	16.07	16.83	18.32	17.69	15.09	18.93	50- 60	18.50	90.24	77.3,77.3
70	11.49	11.66	9.276	10.20	11.72	11.10	8.353	12.58	60- 70	14.14	104.4	89.4,89.4
80	5.212	5.373	3.045	4.023	5.352	4.694	2.241	6.169	70- 80	8.197	112.6	96.4,96.4
90	1.294	1.113	0.3899	0.7966	1.219	0.7870	0.2109	1.307	80- 90	2.654	115.2	98.7,98.7
100	0.4950	0.5816	0.4223	0.6628	0.4537	0.4438	0.2011	0.4155	90-100	0.6417	115.9	99.2,99.2
110	0.5065	0.5954	0.4993	0.6450	0.4539	0.3223	0.2797	0.4272	100-110	0.5057	116.4	99.6,99.6
120	0.0647	0.3678	0.1742	0.2290	0.4573	0.0442	0.3518	0.2328	110-120	0.4036	116.8	100,100
130	0	0	0	0	0	0	0	0	120-130	0.0142	116.8	100,100
140	0	0	0	0	0	0	0	0	130-140	0	116.8	100,100
150	0	0	0	0	0	0	0	0	140-150	0	116.8	100,100
160	0	0	0	0	0	0	0	0	150-160	0	116.8	100,100
170	0	0	0	0	0	0	0	0	160-170	0	116.8	100,100
180	0	0	0	0	0	0	0	0	170-180	0	116.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 61.578 lm

%lum = 52.7%

%lamp = 52.7%

Conical surface Flux(120deg): 90.241 lm

%lum = 77.3%

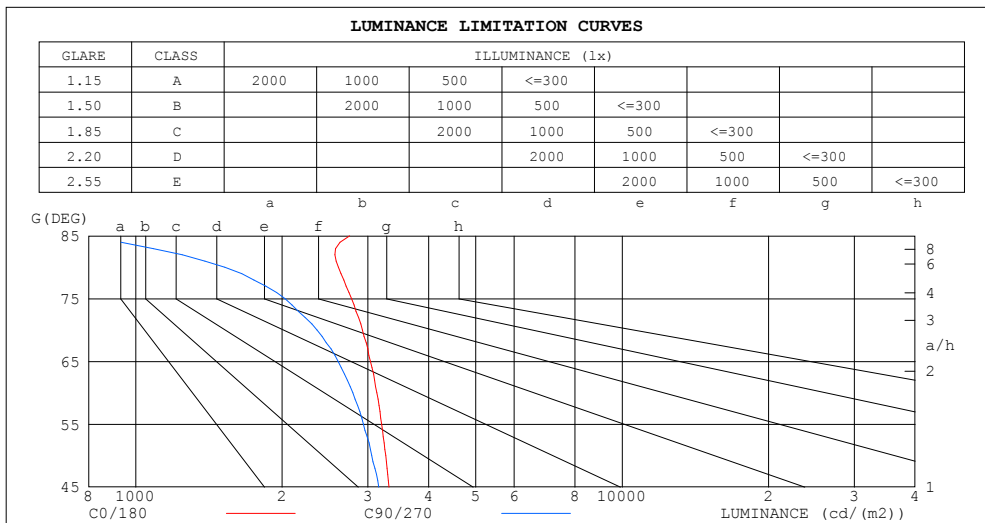
%lamp = 77.3%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-21

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

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.2091A P:5.018W PF:1.000 Freq:50.00Hz Lamp Flux:116.797x1 lm		
NAME: SF15-24V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122107
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2752	754
80	2610	1525
75	2778	2028
70	2923	2358
65	3035	2608
60	3133	2794
55	3205	2936
50	3265	3055
45	3318	3161

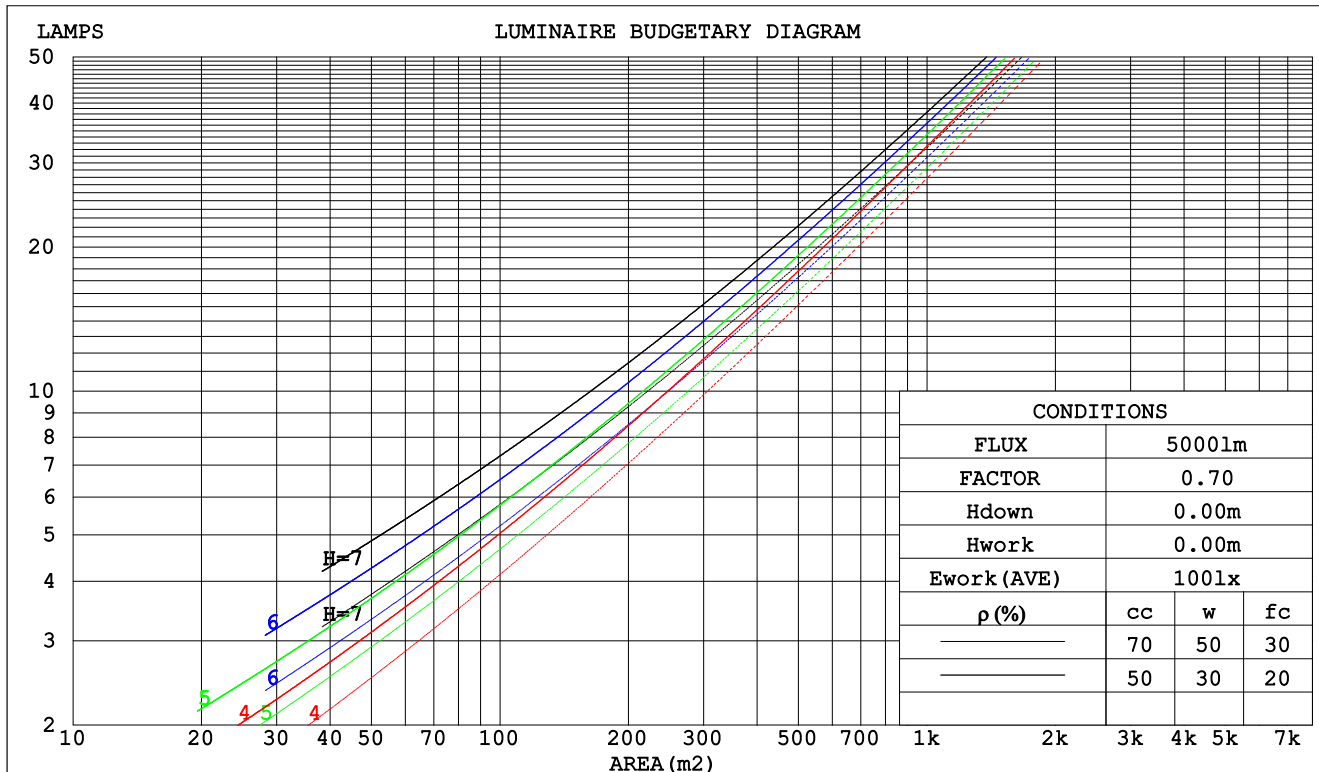
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-21

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

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.2091A P:5.018W PF:1.000 Freq:50.00Hz Lamp Flux:116.797x1 lm		
NAME: SF15-24V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122107
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
	RCR:Room Cavity Ratio															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.90	.87	.88	.86	.84	.82
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.76	.72	.77	.74	.71	.68
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.71	.66	.61	.68	.64	.60	.57
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.51	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.28	.40	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-21

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

WEC AND CCEC

Test:U:24.00V I:0.2091A P:5.018W PF:1.000 Freq:50.00Hz Lamp Flux:116.797x1 lm					
NAME: SF15-24V-3528-72-4000-80			TYPE: 硅胶		WEIGHT:
SPEC.:			DIM.: 21mm*11.5mm		SERIAL No.:2021122107
MFR.: OLYMPIA			SUR.:1*0.0115		Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.314	.178	.056	.306	.175	.055	.292	.168	.053	.279	.161	.052	.267	.155	.050		
2.0	.293	.161	.049	.287	.158	.049	.274	.152	.047	.263	.147	.046	.252	.143	.045		
3.0	.271	.144	.043	.265	.142	.043	.254	.138	.042	.244	.133	.041	.234	.130	.040		
4.0	.249	.130	.038	.244	.128	.038	.234	.124	.037	.225	.121	.037	.217	.118	.036		
5.0	.230	.117	.034	.226	.116	.034	.217	.113	.033	.209	.110	.033	.201	.108	.032		
6.0	.214	.107	.031	.209	.106	.030	.202	.103	.030	.194	.101	.030	.188	.099	.029		
7.0	.199	.098	.028	.195	.097	.028	.188	.095	.027	.181	.093	.027	.175	.091	.027		
8.0	.185	.091	.025	.182	.090	.025	.176	.088	.025	.170	.086	.025	.164	.084	.025		
9.0	.174	.084	.023	.171	.083	.023	.165	.082	.023	.160	.080	.023	.155	.079	.023		
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.021	.151	.075	.021	.146	.074	.021		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.201	.201	.201	.172	.172	.172	.117	.117	.117	.067	.067	.067	.022	.022	.022	
1.0	.191	.166	.144	.163	.143	.124	.112	.098	.086	.064	.057	.050	.021	.018	.016	
2.0	.183	.142	.108	.157	.122	.094	.107	.085	.065	.062	.049	.038	.020	.016	.012	
3.0	.175	.125	.085	.150	.108	.073	.103	.075	.051	.059	.044	.030	.019	.014	.010	
4.0	.167	.111	.069	.144	.096	.060	.099	.067	.042	.057	.039	.025	.018	.013	.008	
5.0	.160	.101	.058	.137	.087	.050	.095	.061	.035	.055	.036	.021	.018	.012	.007	
6.0	.153	.093	.050	.131	.080	.043	.091	.056	.031	.053	.033	.018	.017	.011	.006	
7.0	.146	.086	.044	.126	.074	.038	.087	.052	.027	.050	.031	.016	.016	.010	.005	
8.0	.139	.080	.039	.120	.069	.034	.083	.049	.024	.048	.029	.014	.016	.009	.005	
9.0	.133	.075	.036	.115	.065	.031	.080	.046	.022	.046	.027	.013	.015	.009	.004	
10.0	.128	.071	.033	.110	.062	.029	.076	.043	.020	.045	.026	.012	.014	.008	.004	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-21

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

UGR(Unified Glare Rating) Table

Test:U:24.00V I:0.2091A P:5.018W PF:1.000 Freq:50.00Hz Lamp Flux:116.797x1 lm										
NAME: SF15-24V-3528-72-4000-80					TYPE:硅胶			WEIGHT:		
SPEC.:					DIM.: 21mm*11.5mm			SERIAL No.:2021122107		
MFR.: OLYMPIA					SUR.:1*0.0115			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	24.4	25.9	24.7	26.1	26.4	24.1	25.6	24.4	25.8	26.0
3H	26.0	27.4	26.3	27.6	27.9	25.4	26.8	25.8	27.1	27.4
4H	26.6	28.0	27.0	28.2	28.5	25.9	27.3	26.3	27.5	27.8
6H	27.1	28.4	27.5	28.7	29.0	26.2	27.5	26.6	27.8	28.1
8H	27.3	28.5	27.7	28.8	29.1	26.3	27.5	26.6	27.8	28.1
12H	27.5	28.6	27.8	28.9	29.3	26.2	27.4	26.6	27.7	28.1
4H 2H	25.0	26.4	25.4	26.6	26.9	24.8	26.1	25.1	26.4	26.7
3H	26.8	28.0	27.2	28.3	28.6	26.4	27.6	26.8	27.9	28.2
4H	27.6	28.7	28.0	29.0	29.4	27.0	28.1	27.4	28.4	28.8
6H	28.2	29.2	28.7	29.6	30.0	27.5	28.4	27.9	28.8	29.2
8H	28.5	29.4	28.9	29.8	30.2	27.6	28.4	28.0	28.8	29.2
12H	28.7	29.5	29.1	29.9	30.3	27.6	28.4	28.0	28.8	29.2
8H 4H	27.9	28.8	28.3	29.2	29.6	27.4	28.3	27.9	28.7	29.1
6H	28.7	29.4	29.2	29.9	30.3	28.0	28.8	28.5	29.2	29.7
8H	29.1	29.7	29.5	30.2	30.6	28.2	28.9	28.7	29.3	29.8
12H	29.4	29.9	29.9	30.4	30.9	28.3	28.9	28.8	29.4	29.9
12H 4H	27.9	28.7	28.4	29.1	29.6	27.4	28.3	27.9	28.7	29.1
6H	28.8	29.4	29.3	29.9	30.4	28.1	28.8	28.6	29.2	29.7
8H	29.2	29.7	29.7	30.2	30.7	28.4	29.0	28.9	29.4	29.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 116.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -7.5)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-21

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

UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.2091A P:5.018W PF:1.000 Freq:50.00Hz Lamp Flux:116.797x1 lm		
NAME: SF15-24V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122107
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

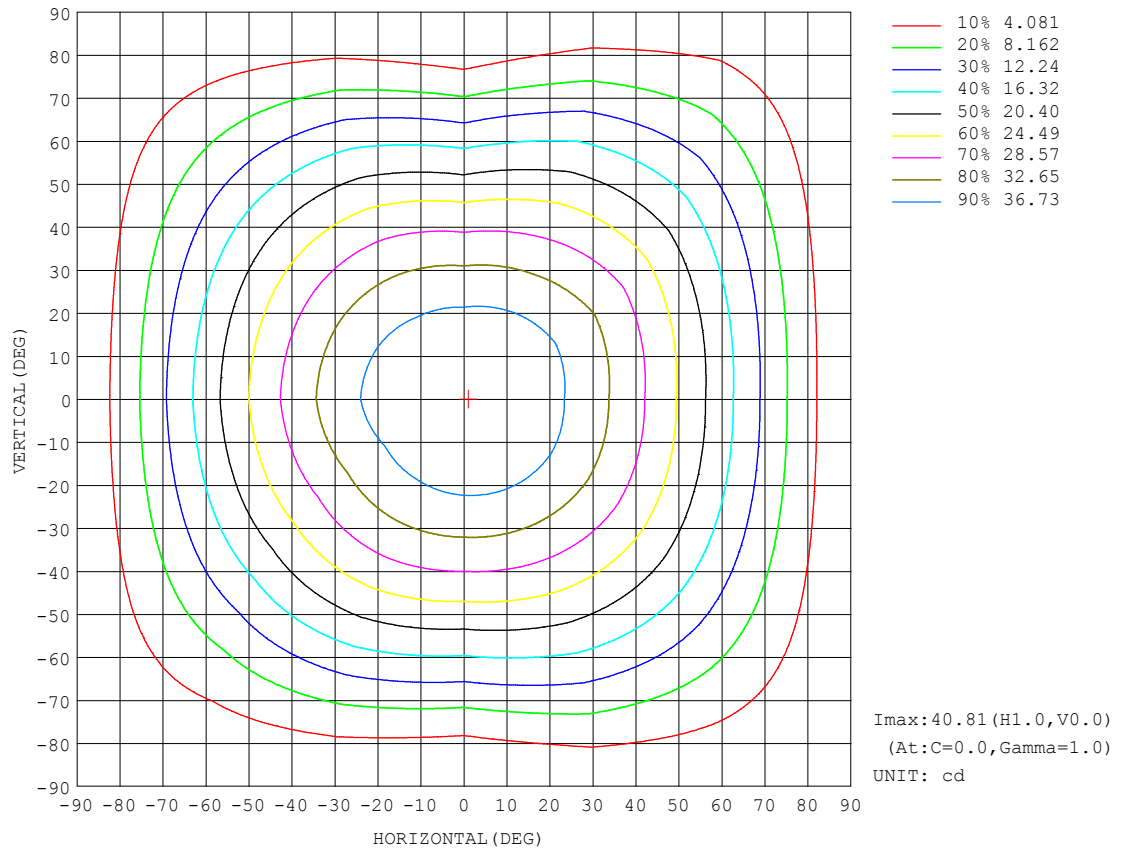
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	56	72	65	56	49
1.25	82	72	65	81	71	64	78	70	63	56
1.50	87	77	70	86	76	70	83	75	69	61
2.00	94	86	79	92	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	99	93	88	95	90	85	77
4.00	106	100	95	103	98	94	99	94	91	81
5.00	108	103	99	106	101	97	101	97	94	84
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-21

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

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.2091A P:5.018W PF:1.000 Freq:50.00Hz Lamp Flux:116.797x1 lm		
NAME: SF15-24V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122107
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

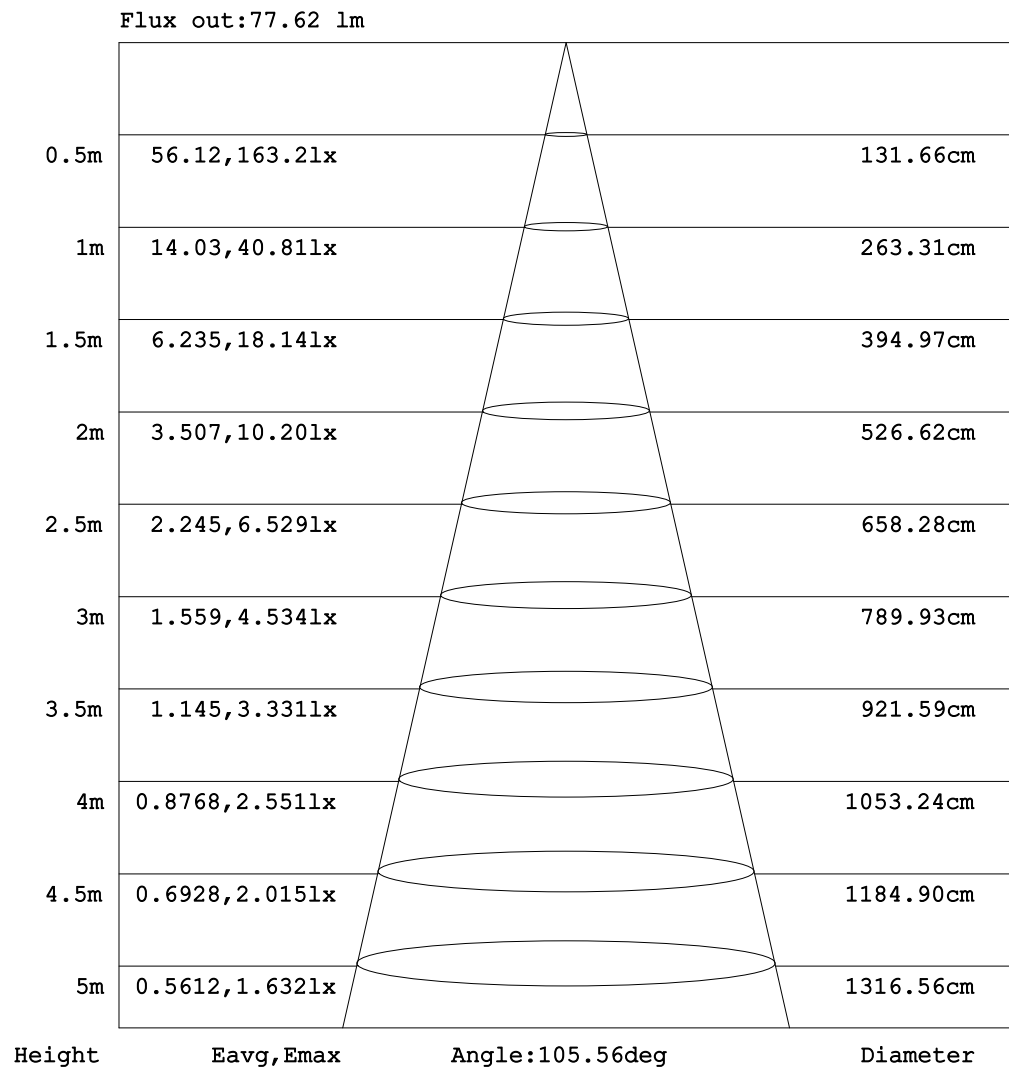


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-12-21

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

AAI Figure

Test:U:24.00V I:0.2091A P:5.018W PF:1.000 Freq:50.00Hz Lamp Flux:116.797x1 lm		
NAME: SF15-24V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122107
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



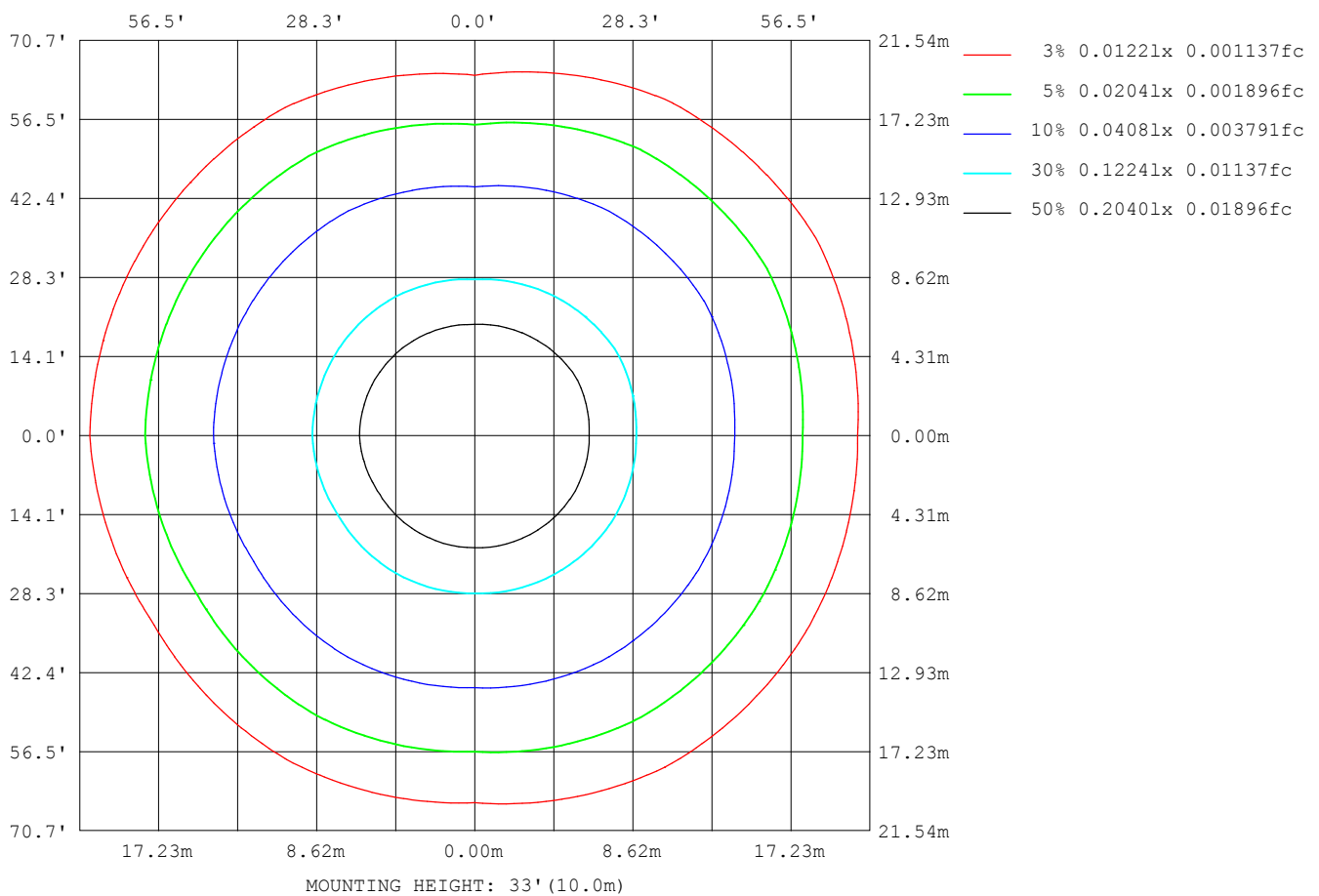
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-21

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

ISOLUX DIAGRAM

Test:U:24.00V I:0.2091A P:5.018W PF:1.000 Freq:50.00Hz Lamp Flux:116.797x1 lm		
NAME: SF15-24V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122107
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-21

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

LED Avg.L Report

Test:U:24.00V I:0.2091A P:5.018W PF:1.000 Freq:50.00Hz Lamp Flux:116.797x1 lm		
NAME: SF15-24V-3528-72-4000-80	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122107
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

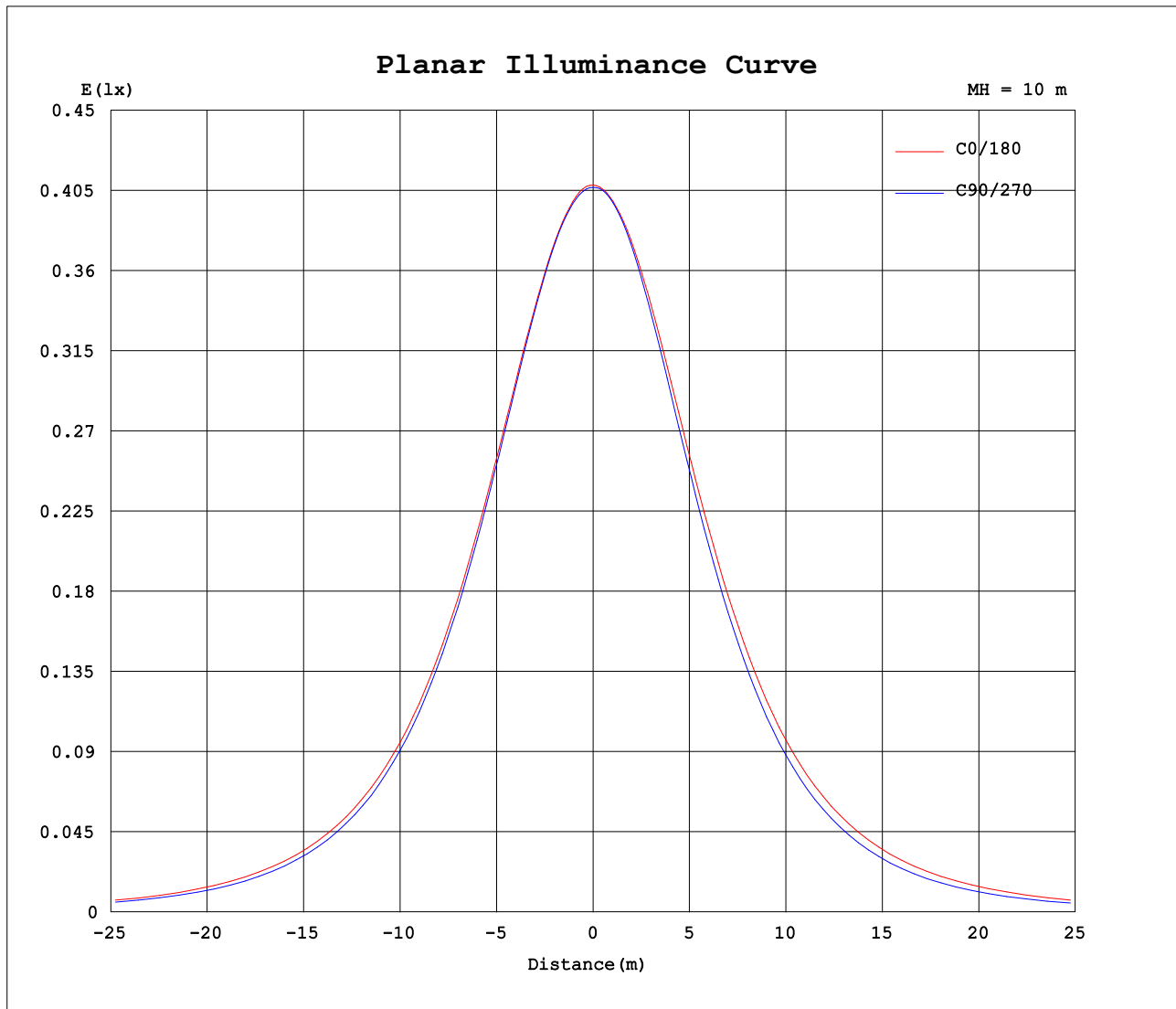
AvgL	cd/m2
L_0~180 (65) av	3066
L_0~180 (75) av	2805
L_0~180 (85) av	2805
L_90~270 (65) av	2508
L_90~270 (75) av	1871
L_90~270 (85) av	546
L_45 (65) av	3048
L_45 (75) av	2782
L_45 (85) av	2601

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-21

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

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-12-21

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.2091A P:5.018W PF:1.000 Freq:50.00Hz Lamp Flux:116.797x1 lm		
NAME: SF15-24V-3528-72-4000-80	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 21mm*11.5mm	SERIAL No.:2021122107
MFR.: OLYMPIA	SUR.:1*0.0115	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	40.8	40.7	40.7	40.7	40.7	40.7	40.8	40.7	40.7	40.7	40.7	40.7						
5	40.6	40.6	40.6	40.5	40.4	40.3	40.6	40.6	40.5	40.5	40.6	40.7						
10	40.0	40.1	40.1	39.9	39.8	39.6	40.1	40.0	39.9	39.9	40.1	40.3						
15	39.1	39.2	39.1	38.9	38.7	38.6	39.2	39.1	38.8	38.8	39.1	39.5						
20	37.8	37.9	37.7	37.5	37.2	37.2	37.9	37.7	37.4	37.2	37.7	38.2						
25	36.2	36.3	36.0	35.7	35.5	35.4	36.4	36.1	35.6	35.3	36.0	36.7						
30	34.2	34.4	34.0	33.6	33.5	33.4	34.5	34.2	33.7	33.1	33.9	34.9						
35	32.1	32.2	31.7	31.2	31.3	31.1	32.4	32.0	31.5	30.6	31.6	32.9						
40	29.6	29.8	29.2	28.6	28.8	28.6	30.0	29.6	29.1	27.9	29.2	30.7						
45	27.0	27.2	26.6	25.7	26.1	25.9	27.3	27.0	26.5	24.9	26.8	28.1						
50	24.1	24.4	23.8	22.6	23.2	23.0	24.5	24.1	23.6	21.8	24.3	25.4						
55	21.1	21.4	20.9	19.4	20.1	19.9	21.5	21.1	20.6	18.5	21.4	22.5						
60	18.0	18.3	17.9	16.1	17.0	16.7	18.3	17.9	17.5	15.1	18.4	19.5						
65	14.8	15.1	14.7	12.7	13.7	13.4	15.0	14.6	14.2	11.7	15.3	16.3						
70	11.5	11.8	11.5	9.28	10.4	10.0	11.7	11.3	10.9	8.35	12.1	13.1						
75	8.27	8.57	8.35	6.04	7.08	6.82	8.43	7.97	7.59	5.10	8.85	9.83						
80	5.21	5.46	5.29	3.05	4.07	3.98	5.35	4.92	4.47	2.24	5.70	6.63						
85	2.76	2.82	2.59	0.76	1.76	1.91	2.86	2.49	1.90	0.34	2.85	3.72						
90	1.29	1.25	0.98	0.39	0.74	0.85	1.22	1.01	0.57	0.21	0.93	1.68						
95	0.62	0.61	0.63	0.39	0.68	0.68	0.48	0.50	0.44	0.20	0.43	0.70						
100	0.49	0.57	0.60	0.42	0.65	0.67	0.45	0.48	0.41	0.20	0.41	0.43						
105	0.50	0.59	0.56	0.49	0.58	0.68	0.45	0.36	0.38	0.28	0.39	0.41						
110	0.51	0.61	0.58	0.50	0.61	0.68	0.45	0.25	0.39	0.28	0.45	0.40						
115	0.39	0.39	0.63	0.52	0.64	0.69	0.46	0.14	0.23	0.30	0.44	0.44						
120	0.06	0.11	0.62	0.17	0.26	0.20	0.46	0.02	0.07	0.35	0.39	0.07						
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-21

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

Photometric Data Table [cd]

G/C	0.0	30.0	60.0	90.0	120.0	150.0	180.0	210.0	240.0	270.0
0.0	40.81	40.75	40.71	40.68	40.68	40.68	40.81	40.75	40.71	40.68
3.0	40.76	40.70	40.72	40.61	40.59	40.51	40.73	40.72	40.62	40.66
6.0	40.54	40.52	40.54	40.42	40.31	40.21	40.54	40.50	40.40	40.45
9.0	40.18	40.20	40.23	40.09	39.92	39.79	40.22	40.16	40.03	40.08
12.0	39.69	39.74	39.75	39.57	39.35	39.22	39.77	39.67	39.49	39.49
15.0	39.07	39.16	39.12	38.90	38.66	38.56	39.20	39.06	38.78	38.75
18.0	38.32	38.44	38.34	38.11	37.83	37.74	38.50	38.33	37.97	37.87
21.0	37.47	37.59	37.45	37.16	36.91	36.82	37.66	37.47	37.03	36.86
24.0	36.51	36.63	36.41	36.12	35.87	35.82	36.74	36.48	36.01	35.70
27.0	35.43	35.53	35.26	34.91	34.74	34.63	35.66	35.42	34.88	34.47
30.0	34.24	34.36	34.00	33.59	33.50	33.42	34.50	34.23	33.69	33.10
33.0	32.96	33.06	32.63	32.21	32.18	32.08	33.24	32.94	32.40	31.65
36.0	31.59	31.69	31.19	30.70	30.78	30.64	31.89	31.58	31.03	30.09
39.0	30.12	30.23	29.69	29.09	29.29	29.14	30.46	30.11	29.58	28.44
42.0	28.58	28.75	28.13	27.43	27.71	27.54	28.92	28.57	28.05	26.71
45.0	26.98	27.17	26.55	25.70	26.08	25.89	27.31	26.98	26.46	24.94
48.0	25.28	25.47	24.90	23.87	24.38	24.19	25.65	25.27	24.78	23.06
51.0	23.55	23.79	23.21	21.99	22.60	22.37	23.90	23.51	23.04	21.15
54.0	21.76	21.95	21.48	20.02	20.78	20.52	22.09	21.72	21.25	19.19
57.0	19.90	20.17	19.70	18.10	18.89	18.63	20.22	19.84	19.41	17.16
60.0	18.01	18.26	17.87	16.07	16.98	16.68	18.32	17.88	17.50	15.09
63.0	16.09	16.34	16.02	14.03	15.02	14.69	16.36	15.96	15.55	13.09
66.0	14.11	14.44	14.11	12.01	13.03	12.70	14.38	13.96	13.58	11.07
69.0	12.14	12.46	12.15	9.955	11.02	10.70	12.38	11.95	11.58	9.022
72.0	10.20	10.50	10.24	7.929	9.044	8.718	10.38	9.943	9.562	7.038
75.0	8.269	8.574	8.354	6.036	7.078	6.825	8.427	7.972	7.588	5.102
78.0	6.399	6.664	6.479	4.186	5.238	5.026	6.533	6.057	5.683	3.277
81.0	4.644	4.854	4.695	2.498	3.533	3.478	4.784	4.362	3.899	1.743
84.0	3.161	3.262	3.077	1.122	2.116	2.253	3.302	2.895	2.342	0.5615
87.0	2.044	2.048	1.738	0.4589	1.189	1.375	2.093	1.762	1.209	0.2166
90.0	1.294	1.250	0.9770	0.3899	0.7448	0.8485	1.219	1.007	0.5669	0.2109
93.0	0.8204	0.7830	0.6690	0.3720	0.6835	0.6835	0.6723	0.5989	0.4521	0.2053
96.0	0.5685	0.5679	0.6208	0.3971	0.6729	0.6797	0.4573	0.4976	0.4296	0.1997
99.0	0.4938	0.5679	0.6016	0.4222	0.6563	0.6760	0.4546	0.4826	0.4141	0.2060
102.0	0.4973	0.5760	0.5824	0.4676	0.6396	0.6745	0.4519	0.4320	0.4021	0.2560
105.0	0.5007	0.5881	0.5632	0.4910	0.5834	0.6773	0.4492	0.3638	0.3770	0.2763
108.0	0.5042	0.5981	0.5749	0.4959	0.5981	0.6801	0.4511	0.2956	0.4173	0.2780
111.0	0.5076	0.6181	0.6029	0.5009	0.6081	0.6829	0.4553	0.2274	0.3617	0.2831
114.0	0.4529	0.4495	0.6331	0.5127	0.6332	0.6857	0.4596	0.1592	0.2630	0.2932
117.0	0.2588	0.2810	0.6362	0.4356	0.6543	0.4905	0.4584	0.0910	0.1644	0.3065
120.0	0.0647	0.1124	0.6232	0.1742	0.2617	0.1962	0.4573	0.0227	0.0658	0.3518
G/C	300.0	330.0								
0.0	40.68	40.68								
3.0	40.66	40.72								
6.0	40.53	40.67								
9.0	40.24	40.43								
12.0	39.76	40.04								
15.0	39.10	39.50								
18.0	38.32	38.83								
21.0	37.39	37.91								
24.0	36.39	37.00								
27.0	35.19	35.93								
30.0	33.91	34.92								
33.0	32.56	33.77								
36.0	31.14	32.52								
39.0	29.68	31.14								
42.0	28.24	29.67								
45.0	26.79	28.14								
48.0	25.29	26.53								
51.0	23.71	24.84								
54.0	22.00	23.12								
57.0	20.22	21.33								
60.0	18.40	19.46								
63.0	16.55	17.60								
66.0	14.65	15.70								
69.0	12.73	13.74								
72.0	10.79	11.80								
75.0	8.854	9.827								
78.0	6.934	7.871								
81.0	5.100	6.011								
84.0	3.386	4.243								
87.0	1.906	2.754								
90.0	0.9328	1.681								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-21

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

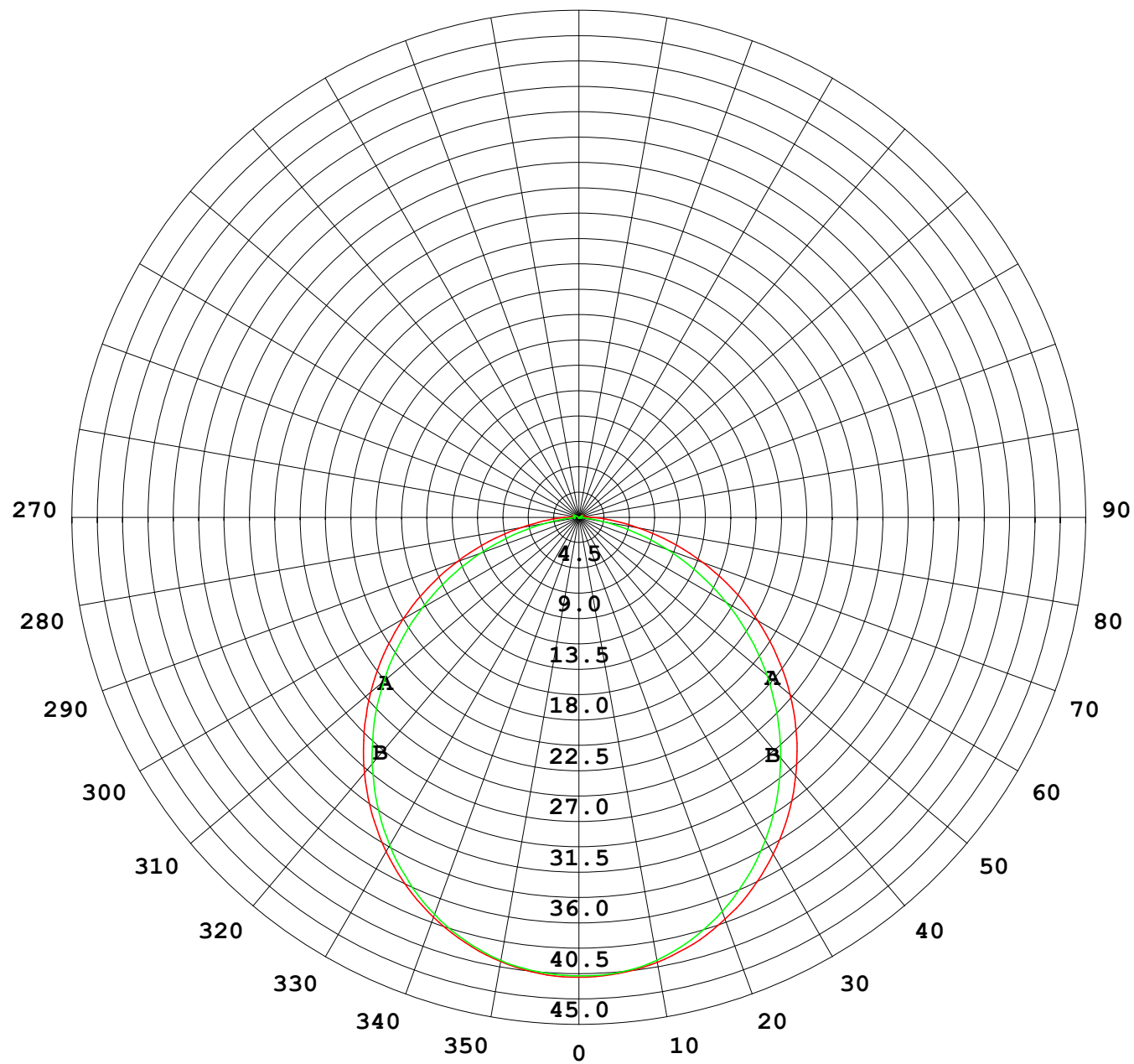
Photometric Data Table [cd]

93.0	0.4968	0.9917
96.0	0.4231	0.6041
99.0	0.4100	0.4275
102.0	0.3970	0.4206
105.0	0.3941	0.4136
108.0	0.4124	0.4066
111.0	0.4490	0.4070
114.0	0.4388	0.4421
117.0	0.4286	0.2948
120.0	0.3920	0.0737

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-12-21

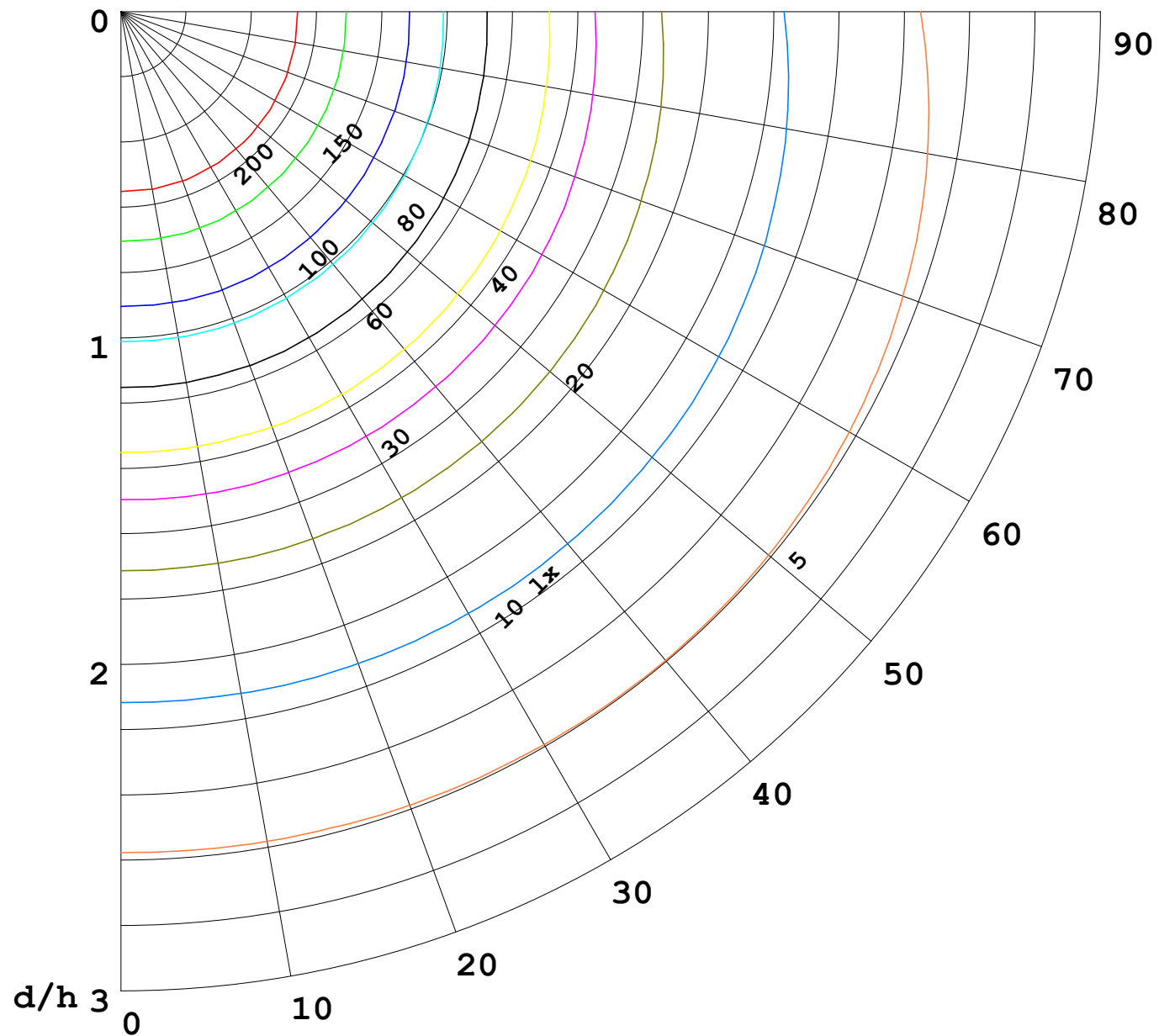
γ Range: 0 - 120DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

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

