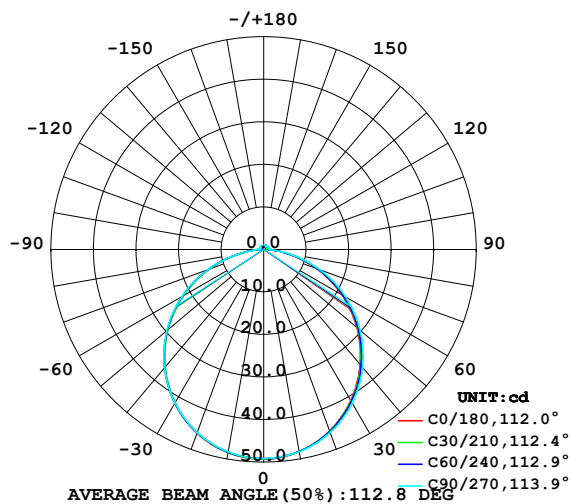


LUMINAIRE PHOTOMETRIC TEST REPORT

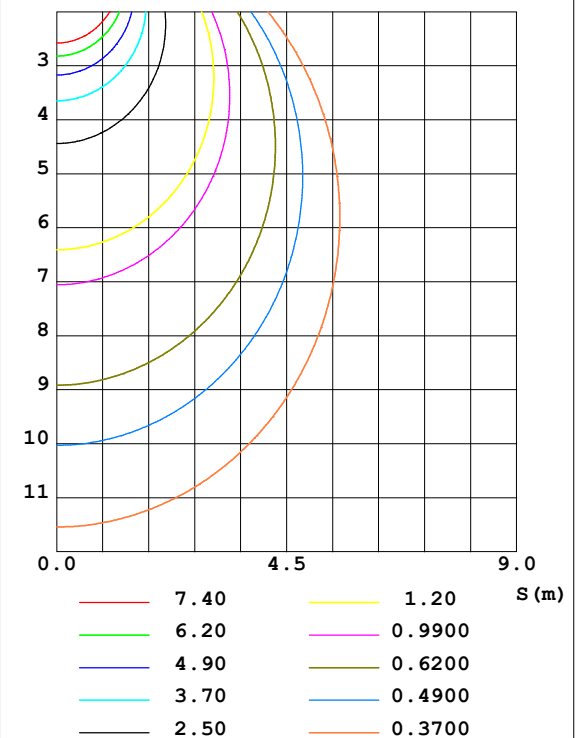
Test:U:24.00V I:0.2267A P:5.441W PF:1.000 Lamp Flux:146.632x1 lm		
NAME: SF09-24V-2835-70-2700k	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*8mm	SPEC.:	SERIAL No.:20220829
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 26.95 lm/W			
MODEL	2835	I _{max} (cd)	49.27	S/MH (C0/180)	1.24
NOMINAL POWER (W)	5	LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	146.63	η UP, DN (C0-180)	2.0, 48.2
NOMINAL FLUX (lm)	146.632	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.5, 48.4
LAMPS INSIDE	1	η up (%)	3.5	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	24.0	η down (%)	96.5	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:WFW
Test Date:2022-08-29

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 AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	48.24	48.20	48.28	48.30	48.48	48.41	48.32	48.15	0- 10	4.652	4.652	3.17,3.17
20	45.38	45.48	45.74	45.80	45.93	45.84	45.79	45.50	10- 20	13.32	17.97	12.3,12.3
30	40.98	41.16	41.66	41.69	41.74	41.68	41.73	41.32	20- 30	20.17	38.14	26,26
40	35.28	35.58	36.15	36.18	36.18	36.16	36.31	35.81	30- 40	24.31	62.45	42.6,42.6
50	28.59	28.96	29.59	29.53	29.48	29.52	29.74	29.19	40- 50	25.26	87.71	59.8,59.8
60	21.16	21.56	22.19	22.02	21.95	21.97	22.20	21.71	50- 60	22.93	110.6	75.5,75.5
70	13.23	13.58	14.14	13.85	13.83	13.81	13.96	13.67	60- 70	17.64	128.3	87.5,87.5
80	5.556	5.735	5.969	5.728	5.716	5.620	5.675	5.686	70- 80	10.18	138.5	94.4,94.4
90	1.148	1.267	1.383	0.8620	0.5914	0.6112	1.091	1.013	80- 90	3.042	141.5	96.5,96.5
100	0.7088	0.9621	1.243	0.7363	0.3117	0.4985	1.040	0.7037	90-100	0.8845	142.4	97.1,97.1
110	0.6157	0.9680	1.196	0.7613	0.4071	0.5528	1.027	0.6696	100-110	0.7996	143.2	97.7,97.7
120	0.6382	0.9864	1.156	0.7925	0.4926	0.6207	1.006	0.6880	110-120	0.7687	144.0	98.2,98.2
130	0.6985	0.9947	1.101	0.8208	0.5782	0.6835	0.9933	0.7211	120-130	0.7207	144.7	98.7,98.7
140	0.7638	1.005	1.050	0.8539	0.6836	0.7406	0.9650	0.7513	130-140	0.6460	145.3	99.1,99.1
150	0.8342	0.9980	1.007	0.8794	0.7791	0.8015	0.9187	0.7940	140-150	0.5395	145.9	99.5,99.5
160	0.8744	0.9840	0.9962	0.9244	0.8695	0.8509	0.9058	0.8433	150-160	0.4105	146.3	99.8,99.8
170	0.9272	0.9721	0.9843	0.9247	0.9404	0.9031	0.9131	0.8943	160-170	0.2599	146.5	99.9,99.9
180	0.9499	0.9649	0.9750	0.9247	0.9448	0.9272	0.9298	0.9272	170-180	0.0893	146.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	303	309
80	320	344
75	358	385
70	387	413
65	408	432
60	423	444
55	435	453
50	445	460
45	453	467

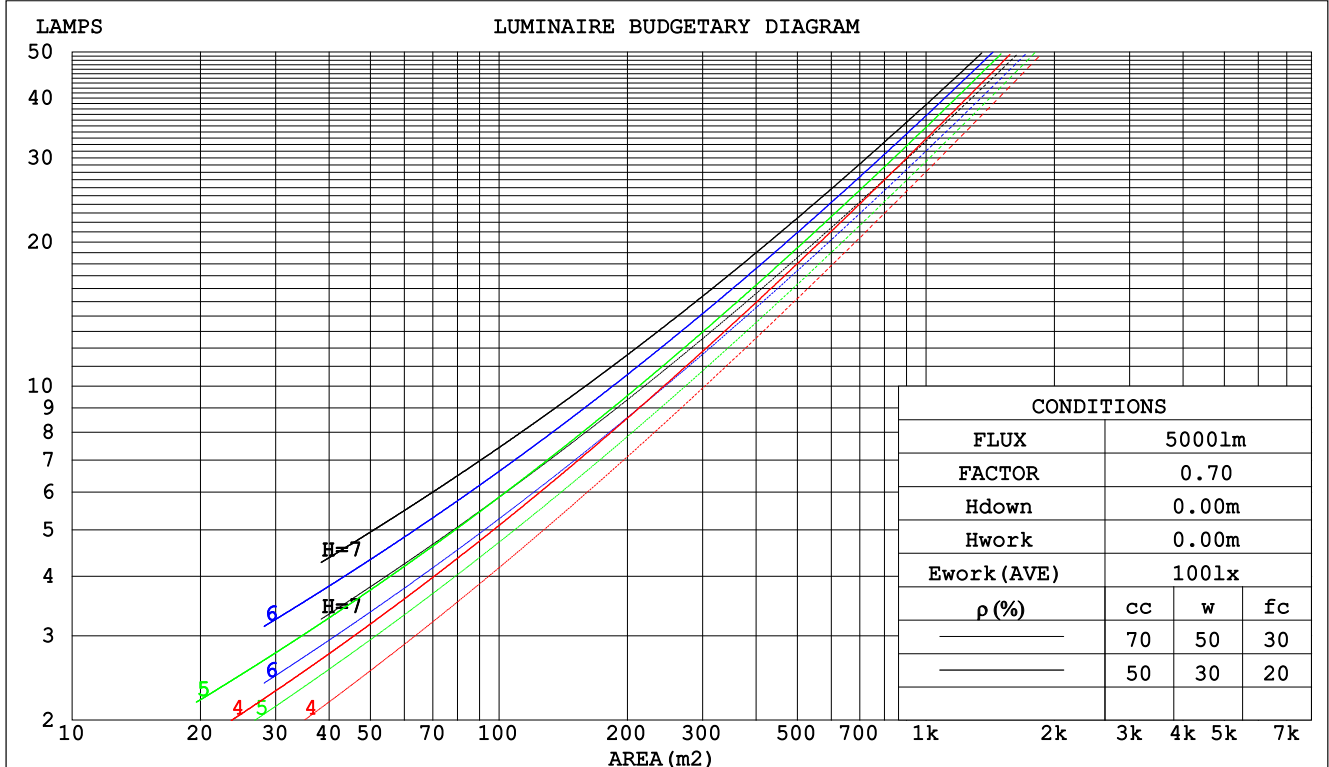
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2022-08-29

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:0.2267A P:5.441W PF:1.000 Lamp Flux:146.632x1 lm		
NAME: SF09-24V-2835-70-2700k	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*8mm	SPEC.:	SERIAL No.:20220829
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.03	.99	.95	1.00	.96	.93	.95	.92	.89	.91	.88	.86	.87	.85	.83	.80
2.0	.90	.83	.77	.87	.81	.76	.83	.78	.73	.79	.75	.71	.76	.72	.69	.67
3.0	.79	.70	.64	.77	.69	.63	.73	.67	.61	.70	.64	.60	.67	.62	.58	.56
4.0	.69	.61	.54	.68	.60	.53	.65	.58	.52	.62	.56	.51	.60	.54	.50	.48
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.49	.44	.54	.48	.43	.41
6.0	.56	.47	.40	.55	.46	.40	.52	.45	.39	.50	.44	.39	.49	.43	.38	.36
7.0	.51	.42	.36	.50	.41	.35	.48	.40	.35	.46	.39	.34	.44	.38	.34	.32
8.0	.46	.38	.32	.45	.37	.31	.44	.36	.31	.42	.35	.31	.41	.35	.30	.28
9.0	.42	.34	.28	.41	.34	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.25
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2022-08-29

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:0.2267A P:5.441W PF:1.000 Lamp Flux:146.632x1 lm		
NAME: SF09-24V-2835-70-2700k	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*8mm	SPEC.:	SERIAL No.:20220829
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION 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	.312	.177	.056	.304	.173	.055	.289	.166	.053	.275	.158	.051	.262	.152	.049		
2.0	.292	.160	.049	.285	.157	.048	.272	.151	.047	.259	.145	.045	.248	.140	.044		
3.0	.270	.144	.043	.264	.141	.043	.252	.136	.041	.240	.132	.040	.230	.127	.039		
4.0	.249	.129	.038	.243	.127	.038	.232	.123	.037	.222	.119	.036	.213	.116	.035		
5.0	.230	.117	.034	.225	.115	.034	.215	.112	.033	.206	.109	.032	.198	.106	.032		
6.0	.213	.107	.031	.209	.105	.030	.200	.102	.030	.192	.100	.029	.184	.097	.029		
7.0	.198	.098	.028	.194	.097	.028	.186	.094	.027	.179	.092	.027	.172	.090	.026		
8.0	.185	.090	.025	.181	.089	.025	.174	.087	.025	.168	.085	.025	.162	.083	.024		
9.0	.173	.084	.023	.170	.083	.023	.164	.081	.023	.158	.079	.023	.152	.077	.022		
10.0	.163	.078	.022	.160	.077	.022	.154	.076	.021	.149	.074	.021	.144	.072	.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	.217	.217	.217	.186	.186	.186	.127	.127	.127	.073	.073	.073	.023	.023	.023	
1.0	.207	.183	.161	.177	.157	.139	.121	.108	.096	.070	.063	.056	.022	.020	.018	
2.0	.199	.159	.125	.171	.137	.108	.117	.095	.075	.067	.055	.044	.022	.018	.014	
3.0	.192	.141	.101	.164	.122	.088	.113	.085	.062	.065	.050	.036	.021	.016	.012	
4.0	.184	.128	.086	.158	.111	.074	.109	.077	.052	.063	.045	.031	.020	.015	.010	
5.0	.177	.118	.075	.152	.102	.065	.105	.071	.046	.061	.042	.027	.020	.014	.009	
6.0	.170	.110	.067	.146	.095	.058	.101	.066	.041	.058	.039	.024	.019	.013	.008	
7.0	.163	.103	.061	.140	.089	.053	.097	.062	.038	.056	.037	.022	.018	.012	.007	
8.0	.156	.097	.056	.135	.084	.049	.093	.059	.035	.054	.035	.021	.018	.011	.007	
9.0	.150	.092	.053	.129	.080	.046	.090	.056	.033	.052	.033	.020	.017	.011	.006	
10.0	.145	.088	.050	.125	.076	.044	.086	.054	.031	.050	.032	.019	.016	.010	.006	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WFW
 Test Date:2022-08-29

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:

Uncorrected UGR Table

Test:U:24.00V I:0.2267A P:5.441W PF:1.000 Lamp Flux:146.632x1 lm										
NAME: SF09-24V-2835-70-2700k					TYPE:硅胶			WEIGHT:		
DIM.: 16.5mm*8mm					SPEC.:			SERIAL No.:20220829		
MFR.: OLYMPIA					SUR.:1*0.0165			PROTECTION 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	9.8	11.2	10.1	11.5	11.8	9.9	11.4	10.2	11.6	11.9
3H	11.3	12.6	11.6	12.9	13.2	11.5	12.8	11.8	13.1	13.4
4H	11.9	13.2	12.2	13.5	13.8	12.1	13.4	12.5	13.7	14.0
6H	12.3	13.5	12.7	13.8	14.2	12.5	13.8	12.9	14.1	14.4
8H	12.4	13.6	12.8	13.9	14.3	12.7	13.9	13.1	14.2	14.6
12H	12.5	13.6	12.9	14.0	14.4	12.8	13.9	13.2	14.3	14.6
4H 2H	10.4	11.7	10.7	12.0	12.3	10.5	11.8	10.8	12.1	12.4
3H	12.1	13.2	12.5	13.6	13.9	12.2	13.4	12.6	13.7	14.1
4H	12.8	13.8	13.2	14.2	14.6	13.0	14.0	13.4	14.4	14.8
6H	13.4	14.3	13.8	14.7	15.1	13.5	14.5	14.0	14.9	15.3
8H	13.5	14.4	14.0	14.8	15.3	13.7	14.6	14.2	15.0	15.5
12H	13.7	14.5	14.2	14.9	15.4	13.9	14.6	14.3	15.1	15.6
8H 4H	13.1	13.9	13.5	14.4	14.8	13.2	14.1	13.7	14.5	15.0
6H	13.8	14.5	14.3	14.9	15.5	13.9	14.6	14.4	15.1	15.6
8H	14.0	14.7	14.6	15.2	15.7	14.2	14.8	14.7	15.3	15.8
12H	14.3	14.8	14.8	15.3	15.9	14.4	15.0	14.9	15.5	16.0
12H 4H	13.1	13.9	13.6	14.3	14.8	13.2	14.0	13.7	14.5	14.9
6H	13.8	14.5	14.3	14.9	15.5	14.0	14.6	14.5	15.1	15.6
8H	14.1	14.7	14.7	15.2	15.7	14.3	14.8	14.8	15.3	15.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 146.6 lm Total Lamp Luminous Flux. (8log(F/F0) = -6.7)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2022-08-29

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:0.2267A P:5.441W PF:1.000 Lamp Flux:146.632x1 lm		
NAME: SF09-24V-2835-70-2700k	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*8mm	SPEC.:	SERIAL No.:20220829
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

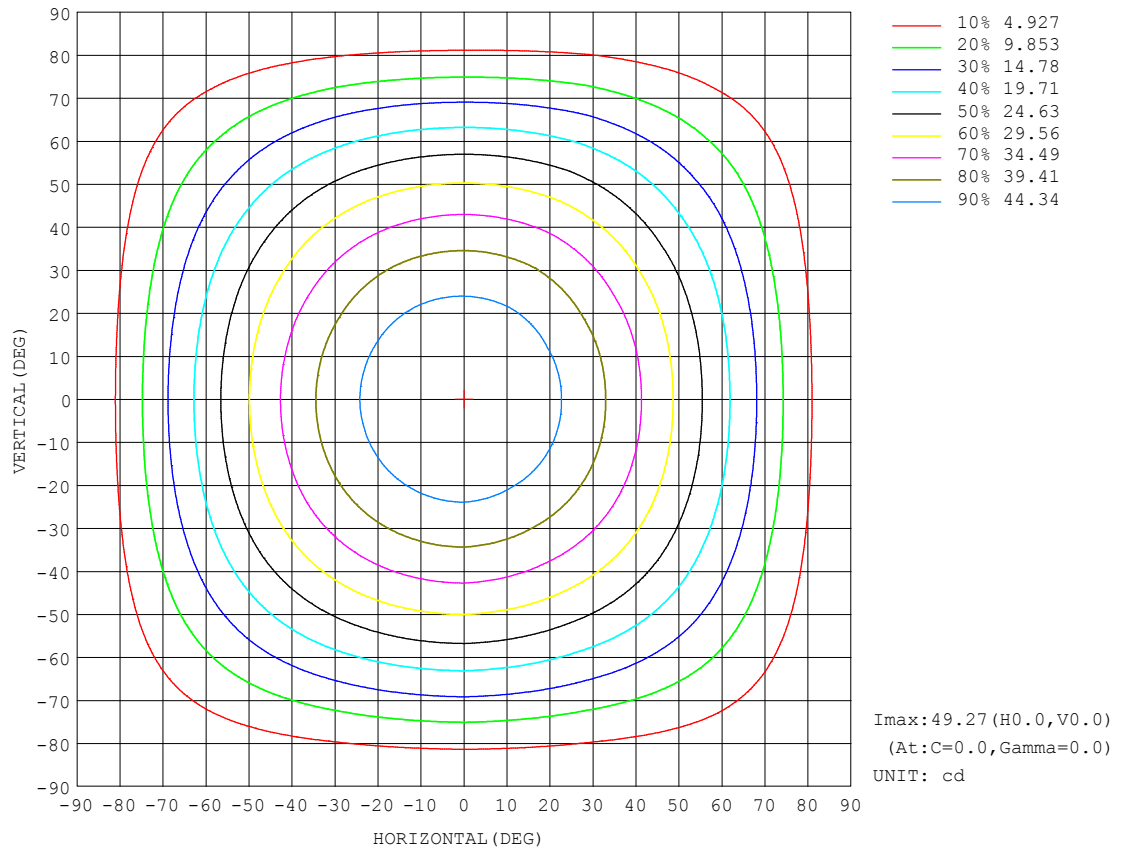
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	45	38	55	44	37	54	44	37	31
0.80	66	54	47	65	54	47	63	53	46	39
1.00	75	63	56	73	63	56	71	64	55	47
1.25	82	71	64	80	70	63	77	68	62	54
1.50	87	77	69	85	76	69	81	73	68	59
2.00	94	85	78	91	83	77	88	81	75	67
2.50	98	90	83	95	88	82	91	85	80	71
3.00	101	94	88	99	92	87	94	89	84	75
4.00	105	99	94	102	97	93	98	93	90	80
5.00	108	103	98	105	100	96	100	96	93	83
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:WFW
Test Date:2022-08-29

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:

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.2267A P:5.441W PF:1.000 Lamp Flux:146.632x1 lm		
NAME: SF09-24V-2835-70-2700k	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*8mm	SPEC.:	SERIAL No.:20220829
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

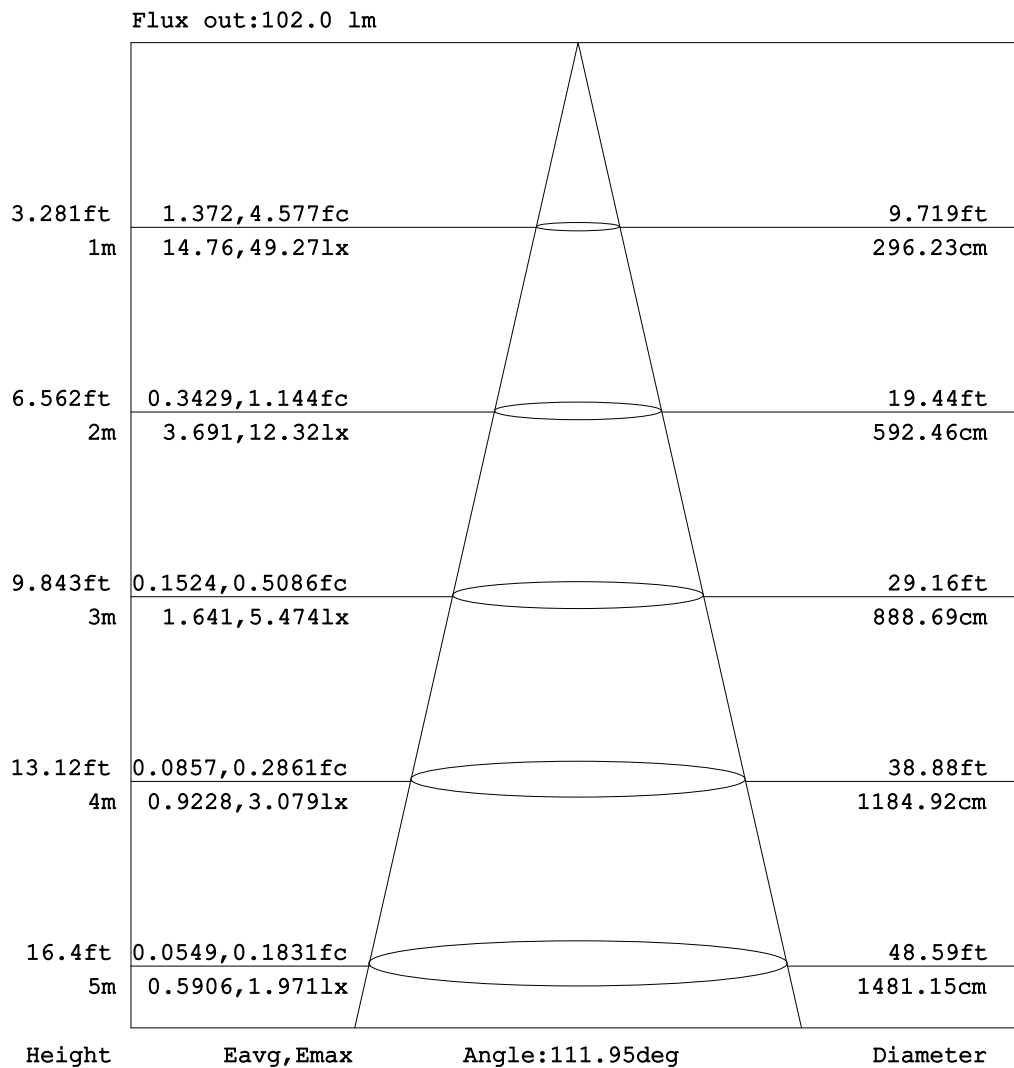


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: WFW
Test Date: 2022-08-29

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 Figure

Test:U:24.00V I:0.2267A P:5.441W PF:1.000 Lamp Flux:146.632x1 lm		
NAME: SF09-24V-2835-70-2700k	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*8mm	SPEC.:	SERIAL No.:20220829
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:



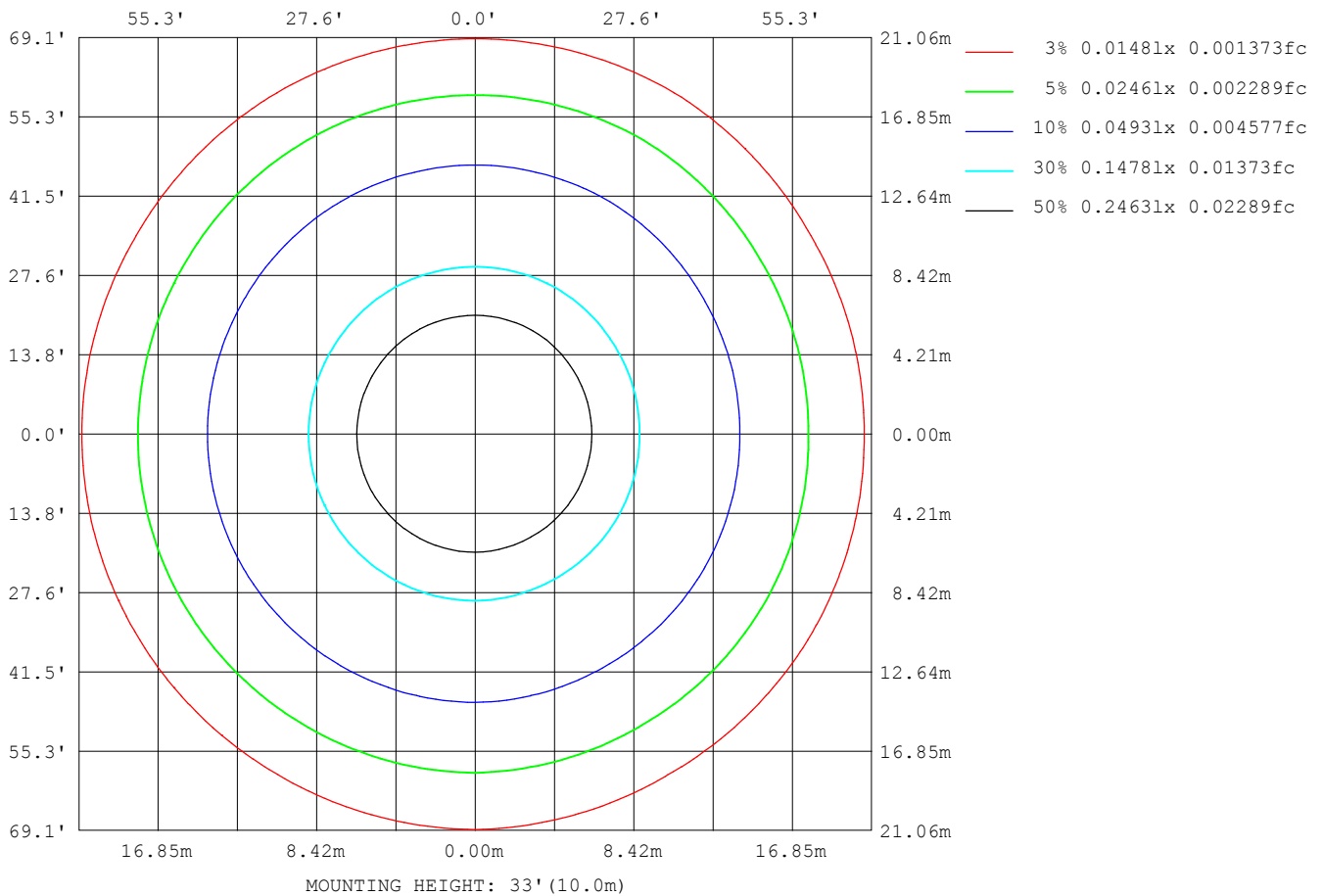
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: WFW
Test Date: 2022-08-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

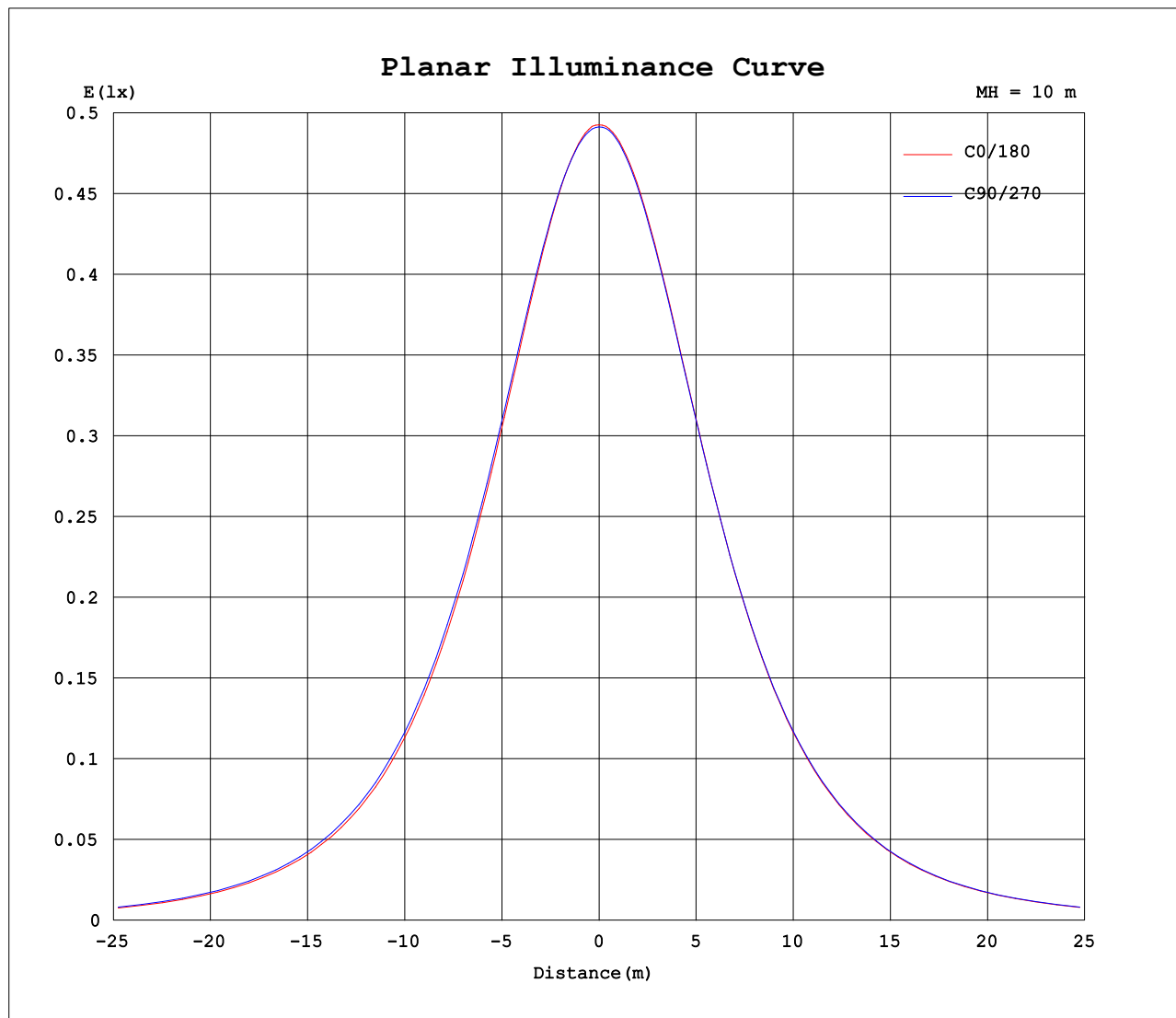
Test:U:24.00V I:0.2267A P:5.441W PF:1.000 Lamp Flux:146.632x1 lm		
NAME: SF09-24V-2835-70-2700k	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*8mm	SPEC.:	SERIAL No.:20220829
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
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Test Date:2022-08-29

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: WFW
Test Date: 2022-08-29

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.2267A P:5.441W PF:1.000 Lamp Flux:146.632x1 lm		
NAME: SF09-24V-2835-70-2700k	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*8mm	SPEC.:	SERIAL No.:20220829
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	49.3	49.2	49.2	49.1	49.1	49.1	49.3	49.2	49.2	49.1	49.1	49.1						
5	49.0	48.9	48.9	48.9	49.0	48.9	49.1	49.1	49.0	49.0	48.9	48.8						
10	48.2	48.2	48.2	48.3	48.3	48.3	48.5	48.4	48.4	48.3	48.2	48.1						
15	47.0	47.0	47.1	47.2	47.3	47.3	47.4	47.3	47.3	47.2	47.1	46.9						
20	45.4	45.4	45.5	45.7	45.8	45.8	45.9	45.8	45.9	45.8	45.7	45.4						
25	43.4	43.5	43.6	43.9	43.9	43.9	44.0	43.9	44.0	43.9	43.8	43.4						
30	41.0	41.1	41.2	41.7	41.7	41.7	41.7	41.6	41.8	41.7	41.6	41.1						
35	38.3	38.4	38.6	39.1	39.1	39.1	39.1	39.0	39.2	39.2	39.0	38.4						
40	35.3	35.5	35.6	36.1	36.2	36.2	36.2	36.0	36.3	36.3	36.2	35.4						
45	32.1	32.3	32.5	33.0	33.0	33.0	32.9	32.8	33.1	33.2	33.0	32.2						
50	28.6	28.9	29.1	29.6	29.5	29.5	29.5	29.4	29.6	29.7	29.6	28.8						
55	24.9	25.3	25.4	26.0	25.9	25.9	25.8	25.7	26.0	26.1	26.0	25.1						
60	21.2	21.5	21.6	22.2	22.0	22.0	21.9	21.8	22.1	22.2	22.1	21.3						
65	17.2	17.6	17.7	18.3	18.0	18.0	17.9	17.8	18.1	18.2	18.2	17.3						
70	13.2	13.6	13.6	14.1	13.8	13.9	13.8	13.7	14.0	14.0	14.1	13.3						
75	9.26	9.55	9.48	9.96	9.67	9.71	9.67	9.50	9.72	9.72	9.88	9.20						
80	5.56	5.82	5.65	5.97	5.70	5.75	5.72	5.54	5.70	5.68	5.92	5.45						
85	2.64	2.83	2.60	2.69	2.45	2.48	2.38	2.26	2.32	2.39	2.65	2.42						
90	1.15	1.26	1.27	1.38	0.98	0.75	0.59	0.58	0.64	1.09	1.07	0.95						
95	0.81	0.94	1.13	1.26	0.91	0.55	0.34	0.34	0.62	1.06	0.87	0.66						
100	0.71	0.84	1.08	1.24	0.89	0.58	0.31	0.34	0.66	1.04	0.86	0.54						
105	0.63	0.84	1.08	1.22	0.89	0.62	0.36	0.34	0.69	1.03	0.86	0.47						
110	0.62	0.85	1.08	1.20	0.88	0.64	0.41	0.39	0.72	1.03	0.86	0.47						
115	0.62	0.87	1.08	1.18	0.87	0.68	0.44	0.44	0.75	1.02	0.86	0.48						
120	0.64	0.89	1.08	1.16	0.87	0.72	0.49	0.46	0.78	1.01	0.86	0.51						
125	0.68	0.90	1.08	1.13	0.86	0.75	0.54	0.51	0.81	1.00	0.86	0.53						
130	0.70	0.91	1.07	1.10	0.86	0.78	0.58	0.54	0.82	0.99	0.86	0.58						
135	0.74	0.93	1.07	1.09	0.86	0.81	0.64	0.59	0.84	0.98	0.86	0.61						
140	0.76	0.94	1.07	1.05	0.86	0.85	0.68	0.64	0.84	0.96	0.86	0.64						
145	0.79	0.95	1.06	1.03	0.86	0.87	0.73	0.68	0.84	0.94	0.86	0.68						
150	0.83	0.95	1.05	1.01	0.86	0.90	0.78	0.75	0.85	0.92	0.86	0.72						
155	0.85	0.95	1.04	1.00	0.88	0.92	0.82	0.77	0.86	0.91	0.87	0.76						
160	0.87	0.95	1.02	1.00	0.92	0.92	0.87	0.82	0.88	0.91	0.89	0.80						
165	0.92	0.95	1.01	0.99	0.92	0.92	0.90	0.85	0.91	0.91	0.91	0.83						
170	0.93	0.95	1.00	0.98	0.92	0.92	0.94	0.88	0.93	0.91	0.92	0.87						
175	0.93	0.95	0.98	0.98	0.92	0.92	0.94	0.92	0.93	0.93	0.93	0.92						
180	0.95	0.95	0.98	0.97	0.92	0.92	0.94	0.92	0.93	0.93	0.93	0.92						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2022-08-29

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	49.27	49.20	49.16	49.14	49.10	49.08	49.27	49.20	49.16	49.14
3.0	49.19	49.09	49.10	49.05	49.09	49.03	49.22	49.21	49.12	49.12
6.0	48.90	48.81	48.82	48.81	48.86	48.82	49.01	48.99	48.90	48.89
9.0	48.43	48.38	48.39	48.43	48.47	48.46	48.64	48.61	48.53	48.49
12.0	47.81	47.78	47.83	47.90	47.93	47.93	48.11	48.05	48.00	47.94
15.0	47.03	47.03	47.09	47.22	47.26	47.26	47.42	47.34	47.32	47.24
18.0	46.10	46.16	46.20	46.40	46.43	46.44	46.57	46.50	46.48	46.42
21.0	45.01	45.06	45.16	45.42	45.44	45.48	45.58	45.46	45.50	45.44
24.0	43.79	43.91	43.99	44.32	44.32	44.35	44.43	44.35	44.39	44.32
27.0	42.46	42.57	42.70	43.05	43.06	43.09	43.15	43.05	43.13	43.09
30.0	40.98	41.10	41.23	41.66	41.67	41.71	41.74	41.60	41.75	41.73
33.0	39.39	39.57	39.73	40.17	40.15	40.17	40.21	40.12	40.24	40.23
36.0	37.69	37.89	38.02	38.51	38.52	38.53	38.54	38.38	38.60	38.62
39.0	35.90	36.09	36.26	36.78	36.77	36.82	36.79	36.67	36.89	36.90
42.0	34.01	34.26	34.43	34.97	34.92	34.96	34.91	34.81	35.02	35.06
45.0	32.06	32.32	32.47	32.99	32.98	32.96	32.94	32.84	33.07	33.17
48.0	29.99	30.26	30.38	31.01	30.94	30.97	30.89	30.80	31.06	31.13
51.0	27.87	28.17	28.30	28.89	28.82	28.82	28.77	28.67	28.93	29.03
54.0	25.69	25.94	26.14	26.73	26.61	26.61	26.56	26.49	26.74	26.88
57.0	23.44	23.77	23.83	24.49	24.34	24.36	24.29	24.19	24.47	24.59
60.0	21.16	21.50	21.61	22.19	22.03	22.01	21.95	21.82	22.12	22.20
63.0	18.82	19.11	19.17	19.82	19.62	19.59	19.55	19.45	19.72	19.86
66.0	16.45	16.80	16.82	17.42	17.16	17.18	17.11	17.01	17.29	17.36
69.0	14.04	14.37	14.41	14.94	14.67	14.68	14.64	14.51	14.79	14.80
72.0	11.63	11.94	11.93	12.44	12.16	12.16	12.14	11.99	12.24	12.39
75.0	9.262	9.553	9.478	9.960	9.669	9.709	9.666	9.501	9.722	9.722
78.0	6.969	7.271	7.166	7.517	7.216	7.276	7.254	7.038	7.274	7.260
81.0	4.887	5.151	4.982	5.230	4.968	5.019	4.977	4.815	4.957	4.991
84.0	3.123	3.307	3.098	3.236	2.988	3.030	2.953	2.815	2.898	2.941
87.0	1.839	1.983	1.829	1.752	1.573	1.525	1.439	1.340	1.373	1.596
90.0	1.148	1.261	1.273	1.383	0.9762	0.7478	0.5914	0.5795	0.6429	1.091
93.0	0.9051	1.015	1.146	1.273	0.9180	0.5378	0.3913	0.3420	0.6032	1.076
96.0	0.7893	0.9194	1.111	1.260	0.9050	0.5479	0.3165	0.3406	0.6283	1.055
99.0	0.7238	0.8592	1.085	1.247	0.8947	0.5680	0.3116	0.3391	0.6484	1.043
102.0	0.6786	0.8393	1.084	1.234	0.8912	0.5931	0.3367	0.3376	0.6636	1.035
105.0	0.6284	0.8403	1.083	1.221	0.8862	0.6182	0.3569	0.3417	0.6886	1.032
108.0	0.6174	0.8434	1.082	1.201	0.8817	0.6333	0.3870	0.3667	0.7088	1.029
111.0	0.6149	0.8544	1.081	1.196	0.8781	0.6535	0.4122	0.3920	0.7238	1.025
114.0	0.6205	0.8695	1.080	1.181	0.8745	0.6785	0.4323	0.4271	0.7389	1.018
117.0	0.6262	0.8796	1.079	1.166	0.8702	0.7037	0.4675	0.4372	0.7590	1.010
120.0	0.6382	0.8946	1.078	1.156	0.8662	0.7188	0.4926	0.4623	0.7790	1.006
123.0	0.6676	0.9046	1.077	1.141	0.8628	0.7388	0.5227	0.4924	0.7942	1.002
126.0	0.6806	0.9047	1.076	1.121	0.8587	0.7539	0.5430	0.5176	0.8102	0.9978
129.0	0.6936	0.9147	1.075	1.106	0.8575	0.7790	0.5730	0.5377	0.8193	0.9944
132.0	0.7137	0.9197	1.074	1.090	0.8577	0.7941	0.6032	0.5628	0.8309	0.9911
135.0	0.7386	0.9347	1.073	1.087	0.8580	0.8142	0.6384	0.5930	0.8409	0.9841
138.0	0.7538	0.9348	1.072	1.070	0.8582	0.8343	0.6635	0.6131	0.8422	0.9750
141.0	0.7689	0.9399	1.071	1.040	0.8585	0.8544	0.6887	0.6482	0.8435	0.9600
144.0	0.7890	0.9459	1.065	1.030	0.8587	0.8645	0.7188	0.6734	0.8493	0.9499
147.0	0.8091	0.9462	1.056	1.010	0.8590	0.8796	0.7490	0.7035	0.8483	0.9248
150.0	0.8342	0.9466	1.049	1.007	0.8592	0.8996	0.7791	0.7486	0.8544	0.9187
153.0	0.8418	0.9470	1.040	1.004	0.8693	0.9146	0.8043	0.7539	0.8601	0.9097
156.0	0.8493	0.9473	1.040	1.000	0.8894	0.9237	0.8294	0.7839	0.8658	0.9056
159.0	0.8644	0.9477	1.025	0.9972	0.9247	0.9239	0.8595	0.8190	0.8795	0.9051
162.0	0.8795	0.9481	1.015	0.9950	0.9247	0.9242	0.8847	0.8343	0.8887	0.9073
165.0	0.9195	0.9484	1.005	0.9910	0.9247	0.9244	0.9048	0.8493	0.9097	0.9095
168.0	0.9241	0.9488	1.005	0.9870	0.9247	0.9246	0.9249	0.8695	0.9248	0.9117
171.0	0.9287	0.9491	0.9901	0.9830	0.9247	0.9246	0.9411	0.8945	0.9278	0.9139
174.0	0.9333	0.9495	0.9841	0.9790	0.9247	0.9247	0.9430	0.9246	0.9288	0.9297
177.0	0.9498	0.9499	0.9800	0.9750	0.9247	0.9247	0.9448	0.9247	0.9298	0.9298
180.0	0.9499	0.9499	0.9800	0.9750	0.9247	0.9247	0.9448	0.9247	0.9298	0.9298
G/C	300.0	330.0								
0.0	49.10	49.08								
3.0	49.02	49.02								
6.0	48.77	48.74								
9.0	48.37	48.29								
12.0	47.83	47.70								
15.0	47.13	46.93								
18.0	46.29	46.03								
21.0	45.31	44.99								
24.0	44.20	43.80								
27.0	42.95	42.50								
30.0	41.59	41.06								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: WFW
 Test Date: 2022-08-29

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:

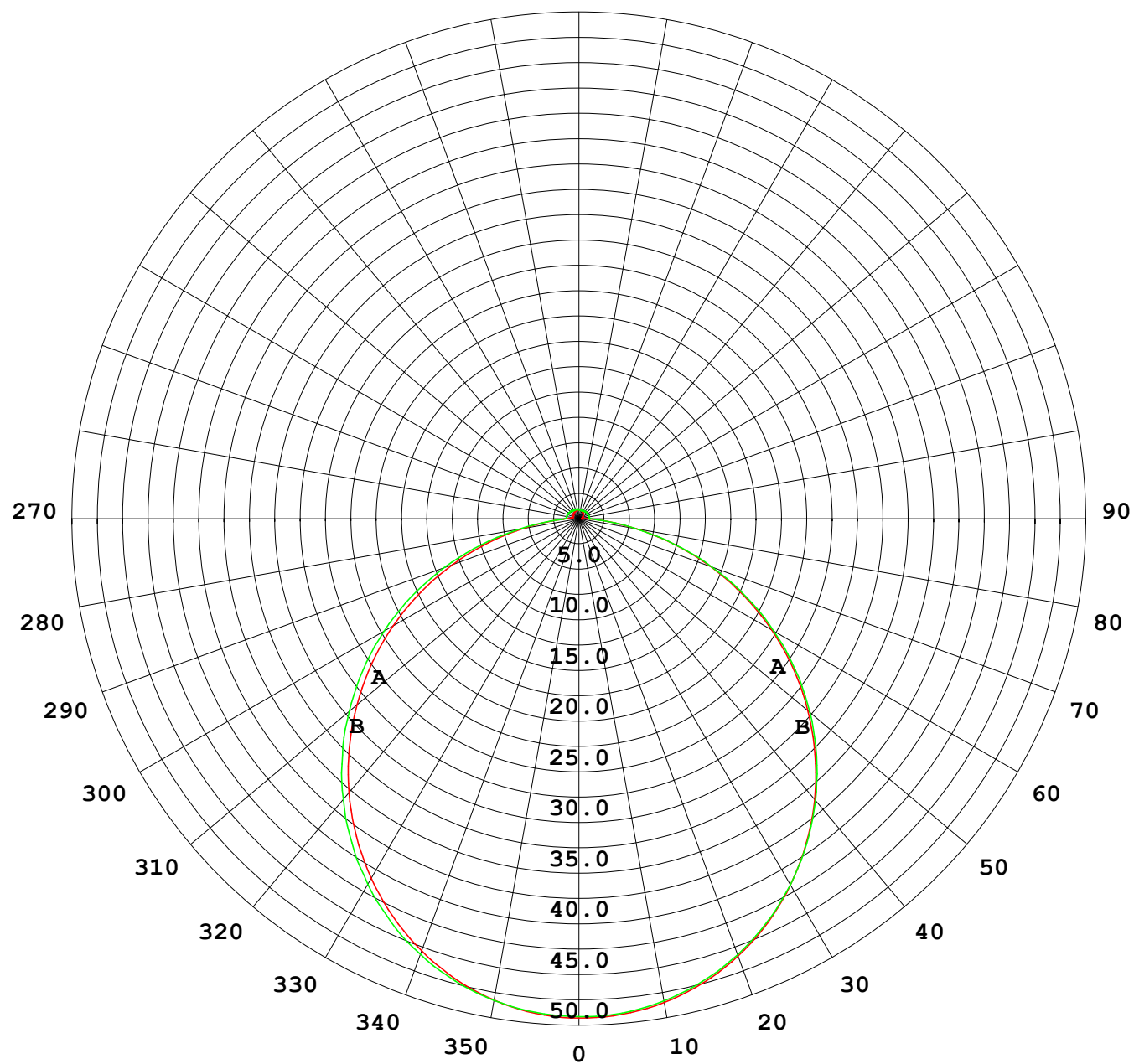
Photometric Data Table [cd]

33.0	40.09	39.49
36.0	38.47	37.82
39.0	36.77	36.04
42.0	34.93	34.18
45.0	32.99	32.25
48.0	30.99	30.19
51.0	28.89	28.07
54.0	26.72	25.93
57.0	24.48	23.63
60.0	22.14	21.27
63.0	19.77	19.03
66.0	17.34	16.48
69.0	14.87	14.16
72.0	12.35	11.68
75.0	9.878	9.195
78.0	7.465	6.986
81.0	5.193	4.755
84.0	3.205	2.941
87.0	1.746	1.647
90.0	1.075	0.9511
93.0	0.9196	0.7291
96.0	0.8644	0.6285
99.0	0.8644	0.5630
102.0	0.8644	0.5077
105.0	0.8644	0.4725
108.0	0.8644	0.4738
111.0	0.8644	0.4752
114.0	0.8644	0.4765
117.0	0.8644	0.4924
120.0	0.8644	0.5116
123.0	0.8644	0.5236
126.0	0.8644	0.5377
129.0	0.8644	0.5578
132.0	0.8644	0.5963
135.0	0.8644	0.6064
138.0	0.8644	0.6281
141.0	0.8644	0.6482
144.0	0.8644	0.6785
147.0	0.8644	0.6985
150.0	0.8644	0.7236
153.0	0.8645	0.7638
156.0	0.8795	0.7689
159.0	0.8855	0.7990
162.0	0.8897	0.8141
165.0	0.9097	0.8342
168.0	0.9162	0.8543
171.0	0.9207	0.8744
174.0	0.9253	0.8996
177.0	0.9298	0.9247
180.0	0.9298	0.9247

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2022-08-29

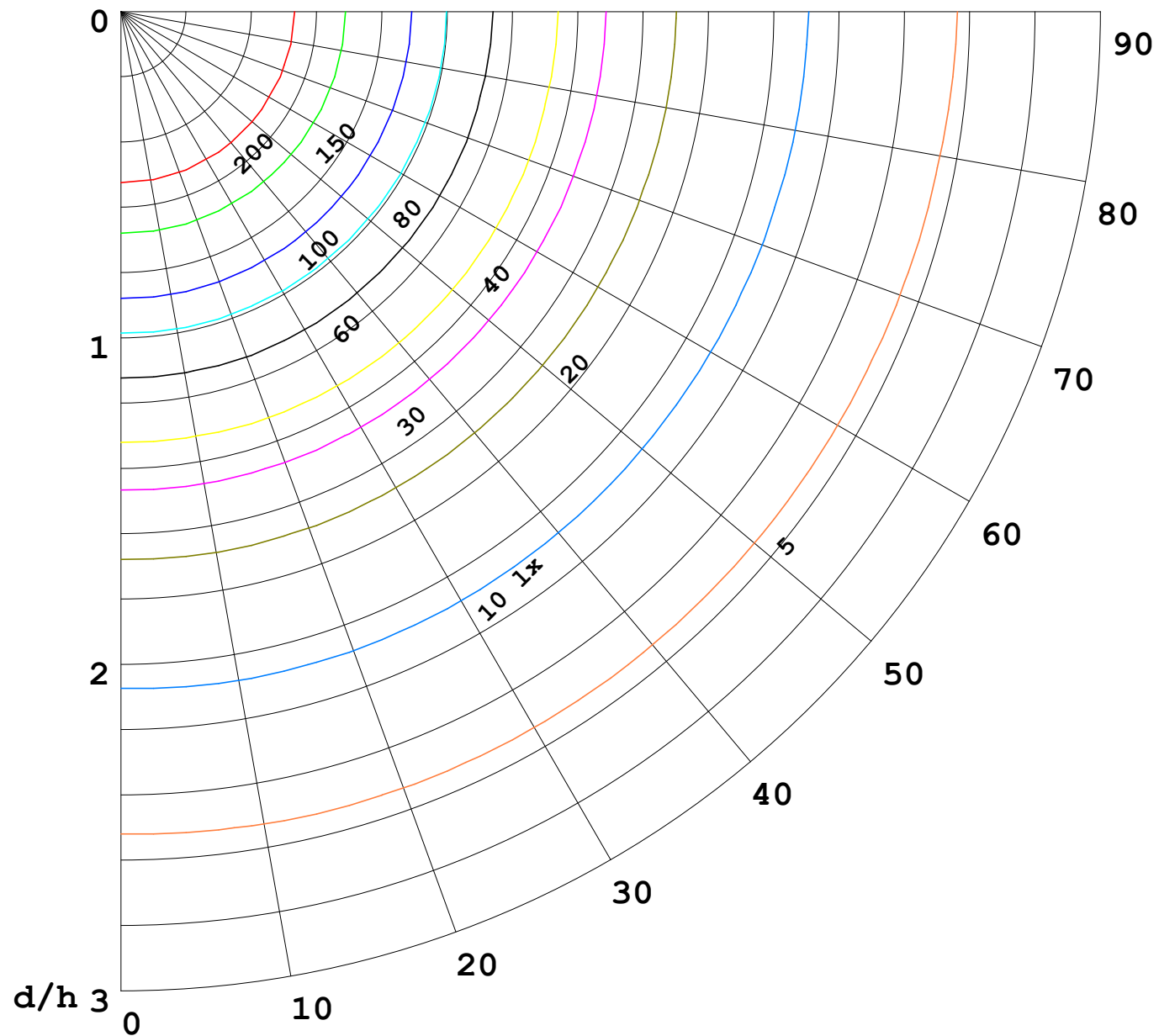
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

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

