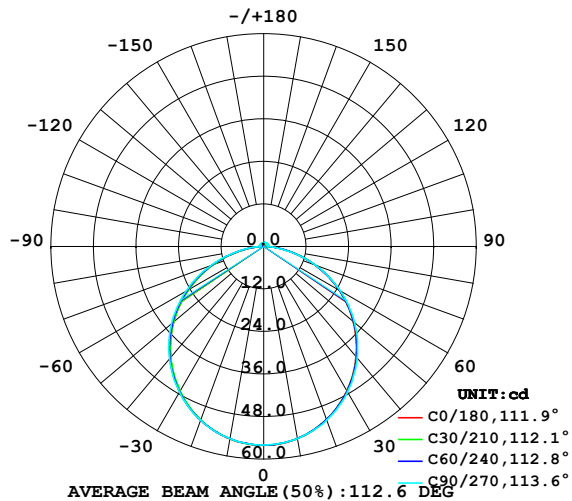


LUMINAIRE PHOTOMETRIC TEST REPORT

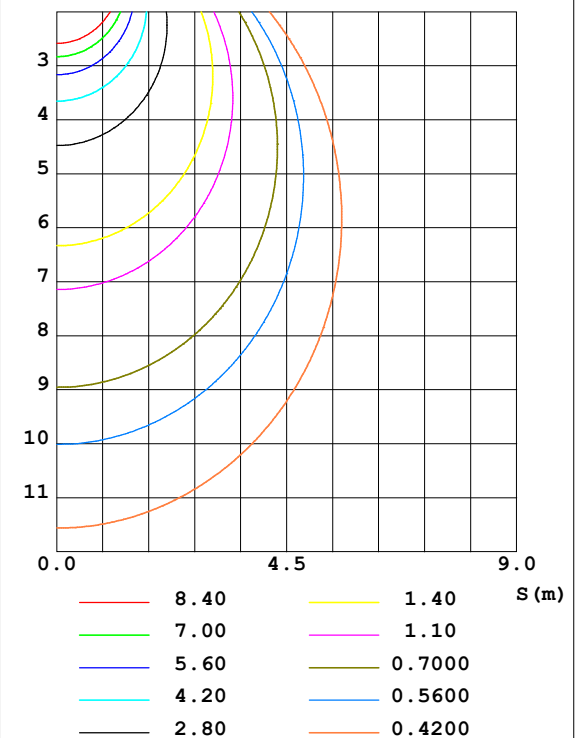
Test:U:24.00V I:0.2389A P:5.733W PF:1.000 Lamp Flux:166.242x1 lm		
NAME: SF09-24V-2835-70-3000k	TYPE: 硅胶	WEIGHT:
DIM.: 16mm*8mm	SPEC.:	SERIAL No.:20220829
MFR.: OLYMPIA	SUR.:1*0.016	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 29.00 lm/W			
MODEL	2835	I _{max} (cd)	56.12	S/MH (C0/180)	1.25
NOMINAL POWER (W)	5	LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	166.24	η UP, DN (C0-180)	1.8, 48.2
NOMINAL FLUX (lm)	166.242	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.6, 48.5
LAMPS INSIDE	1	η up (%)	3.4	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	24.0	η down (%)	96.6	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	55.05	55.00	54.99	54.99	55.13	55.06	55.05	54.94	0- 10	5.300	5.300	3.19,3.19
20	51.91	51.93	52.09	52.03	52.11	52.08	52.14	52.01	10- 20	15.17	20.47	12.3,12.3
30	47.00	47.10	47.36	47.26	47.27	47.28	47.49	47.33	20- 30	22.98	43.45	26.1,26.1
40	40.56	40.71	41.07	40.86	40.86	40.98	41.40	41.12	30- 40	27.69	71.13	42.8,42.8
50	32.96	33.15	33.53	33.19	33.14	33.35	33.94	33.63	40- 50	28.75	99.89	60.1,60.1
60	24.52	24.69	24.88	24.54	24.51	24.70	25.33	25.15	50- 60	26.07	126.0	75.8,75.8
70	15.46	15.60	15.54	15.18	15.21	15.37	15.90	15.96	60- 70	19.99	145.9	87.8,87.8
80	6.582	6.620	6.300	5.949	5.936	6.040	6.425	6.781	70- 80	11.45	157.4	94.7,94.7
90	1.118	1.206	1.126	0.7313	0.4412	0.6063	1.237	1.131	80- 90	3.261	160.7	96.6,96.6
100	0.7139	0.9746	1.155	0.7065	0.3519	0.5296	1.201	0.8817	90-100	0.9017	161.6	97.2,97.2
110	0.7029	0.9773	1.159	0.7654	0.4424	0.6089	1.185	0.8797	100-110	0.8604	162.4	97.7,97.7
120	0.7136	1.012	1.144	0.8192	0.5479	0.6885	1.173	0.8789	110-120	0.8409	163.3	98.2,98.2
130	0.7840	1.033	1.111	0.8670	0.6585	0.7714	1.156	0.9033	120-130	0.7930	164.1	98.7,98.7
140	0.8593	1.049	1.096	0.9366	0.7642	0.8633	1.142	0.9136	130-140	0.7177	164.8	99.1,99.1
150	0.9287	1.061	1.096	0.9825	0.8796	0.9208	1.126	0.9431	140-150	0.6081	165.4	99.5,99.5
160	0.9994	1.070	1.096	1.032	0.9751	0.9725	1.065	0.9832	150-160	0.4647	165.8	99.8,99.8
170	1.030	1.087	1.096	1.052	1.060	1.032	1.053	1.026	160-170	0.2932	166.1	99.9,99.9
180	1.081	1.088	1.091	1.068	1.076	1.086	1.081	1.068	170-180	0.1013	166.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	349	297
80	379	363
75	421	419
70	452	454
65	474	481
60	490	498
55	503	511
50	513	522
45	522	530

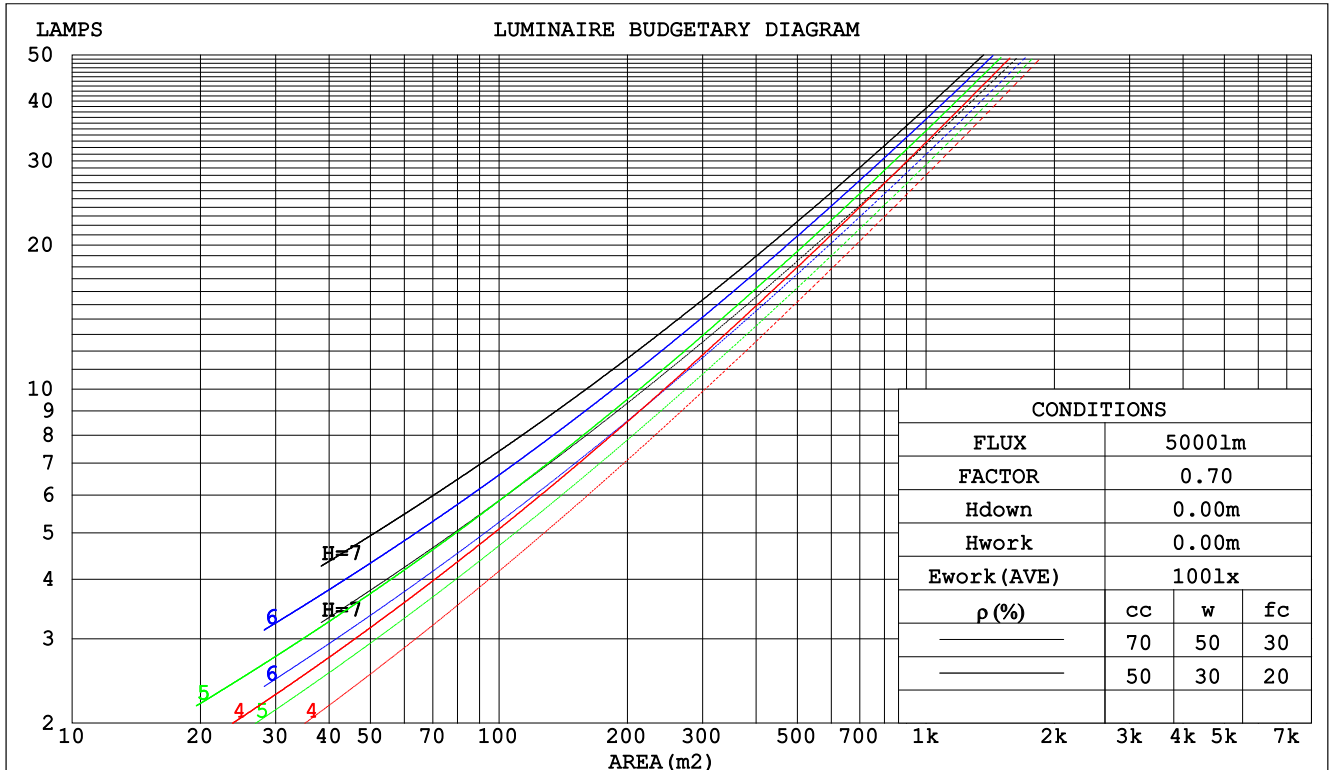
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2022-08-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ 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:0.2389A P:5.733W PF:1.000 Lamp Flux:166.242x1 lm		
NAME: SF09-24V-2835-70-3000k	TYPE: 硅胶	WEIGHT:
DIM.: 16mm*8mm	SPEC.:	SERIAL No.:20220829
MFR.: OLYMPIA	SUR.:1*0.016	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	.97	.93	.96	.92	.89	.91	.88	.86	.87	.85	.83	.81
2.0	.90	.83	.77	.87	.81	.76	.83	.78	.74	.80	.75	.71	.76	.73	.69	.67
3.0	.79	.70	.64	.77	.69	.63	.73	.67	.62	.70	.65	.60	.67	.63	.59	.56
4.0	.70	.61	.54	.68	.60	.53	.65	.58	.52	.62	.56	.51	.60	.55	.50	.48
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.49	.44	.54	.48	.44	.41
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.39	.51	.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	.32	.44	.36	.31	.42	.36	.31	.41	.35	.30	.28
9.0	.42	.34	.29	.42	.34	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.26
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:0.2389A P:5.733W PF:1.000 Lamp Flux:166.242x1 lm		
NAME: SF09-24V-2835-70-3000k	TYPE: 硅胶	WEIGHT:
DIM.: 16mm*8mm	SPEC.:	SERIAL No.:20220829
MFR.: OLYMPIA	SUR.:1*0.016	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	.310	.177	.056	.302	.172	.055	.287	.165	.053	.273	.158	.051	.260	.151	.049		
2.0	.291	.160	.049	.284	.157	.048	.271	.151	.047	.258	.145	.045	.247	.140	.044		
3.0	.269	.143	.043	.263	.141	.042	.251	.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	.208	.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	.216	.216	.216	.185	.185	.185	.126	.126	.126	.072	.072	.072	.023	.023	.023	
1.0	.206	.182	.160	.176	.156	.138	.121	.107	.095	.069	.062	.055	.022	.020	.018	
2.0	.198	.158	.124	.170	.136	.107	.116	.094	.075	.067	.055	.044	.022	.018	.014	
3.0	.190	.140	.100	.163	.121	.087	.112	.084	.061	.065	.049	.036	.021	.016	.012	
4.0	.183	.127	.085	.157	.110	.074	.108	.077	.052	.062	.045	.031	.020	.015	.010	
5.0	.176	.117	.074	.151	.101	.064	.104	.071	.045	.060	.041	.027	.019	.014	.009	
6.0	.168	.109	.066	.145	.094	.057	.100	.066	.040	.058	.039	.024	.019	.013	.008	
7.0	.162	.102	.060	.139	.088	.052	.096	.062	.037	.056	.036	.022	.018	.012	.007	
8.0	.155	.096	.055	.134	.083	.048	.092	.058	.034	.054	.034	.020	.017	.011	.007	
9.0	.149	.091	.052	.128	.079	.045	.089	.056	.032	.052	.033	.019	.017	.011	.006	
10.0	.143	.087	.049	.124	.075	.043	.086	.053	.030	.050	.031	.018	.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:0.2389A P:5.733W PF:1.000 Lamp Flux:166.242x1 lm										
NAME: SF09-24V-2835-70-3000k					TYPE:硅胶			WEIGHT:		
DIM.: 16mm*8mm					SPEC.:			SERIAL No.:20220829		
MFR.: OLYMPIA					SUR.:1*0.016			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	10.3	11.8	10.6	12.0	12.3	10.3	11.8	10.7	12.1	12.4
3H	11.9	13.2	12.2	13.5	13.8	11.9	13.2	12.2	13.5	13.8
4H	12.5	13.8	12.8	14.1	14.4	12.5	13.8	12.8	14.1	14.4
6H	12.9	14.1	13.3	14.5	14.8	12.9	14.1	13.3	14.4	14.8
8H	13.0	14.2	13.4	14.6	14.9	13.0	14.2	13.4	14.5	14.9
12H	13.1	14.3	13.5	14.6	15.0	13.1	14.2	13.5	14.5	14.9
4H 2H	10.9	12.2	11.3	12.5	12.9	10.9	12.2	11.3	12.5	12.9
3H	12.7	13.8	13.1	14.1	14.5	12.7	13.8	13.1	14.1	14.5
4H	13.4	14.4	13.8	14.8	15.2	13.4	14.4	13.8	14.8	15.2
6H	14.0	14.9	14.4	15.3	15.7	13.9	14.8	14.4	15.2	15.7
8H	14.2	15.0	14.6	15.4	15.9	14.1	14.9	14.5	15.3	15.8
12H	14.3	15.1	14.8	15.5	16.0	14.2	15.0	14.7	15.4	15.9
8H 4H	13.7	14.5	14.1	14.9	15.4	13.6	14.5	14.1	14.9	15.4
6H	14.4	15.1	14.9	15.5	16.0	14.3	15.0	14.8	15.5	16.0
8H	14.7	15.3	15.2	15.8	16.3	14.6	15.2	15.1	15.7	16.2
12H	14.9	15.4	15.4	15.9	16.5	14.7	15.3	15.3	15.8	16.3
12H 4H	13.7	14.4	14.1	14.9	15.4	13.7	14.4	14.1	14.9	15.4
6H	14.4	15.1	14.9	15.5	16.1	14.4	15.0	14.9	15.5	16.0
8H	14.8	15.3	15.3	15.8	16.4	14.7	15.2	15.2	15.7	16.3
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 166.2 lm Total Lamp Luminous Flux.(8log(F/F0) = -6.2)

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:0.2389A P:5.733W PF:1.000 Lamp Flux:166.242x1 lm		
NAME: SF09-24V-2835-70-3000k	TYPE: 硅胶	WEIGHT:
DIM.: 16mm*8mm	SPEC.:	SERIAL No.:20220829
MFR.: OLYMPIA	SUR.:1*0.016	PROTECTION ANGLE:

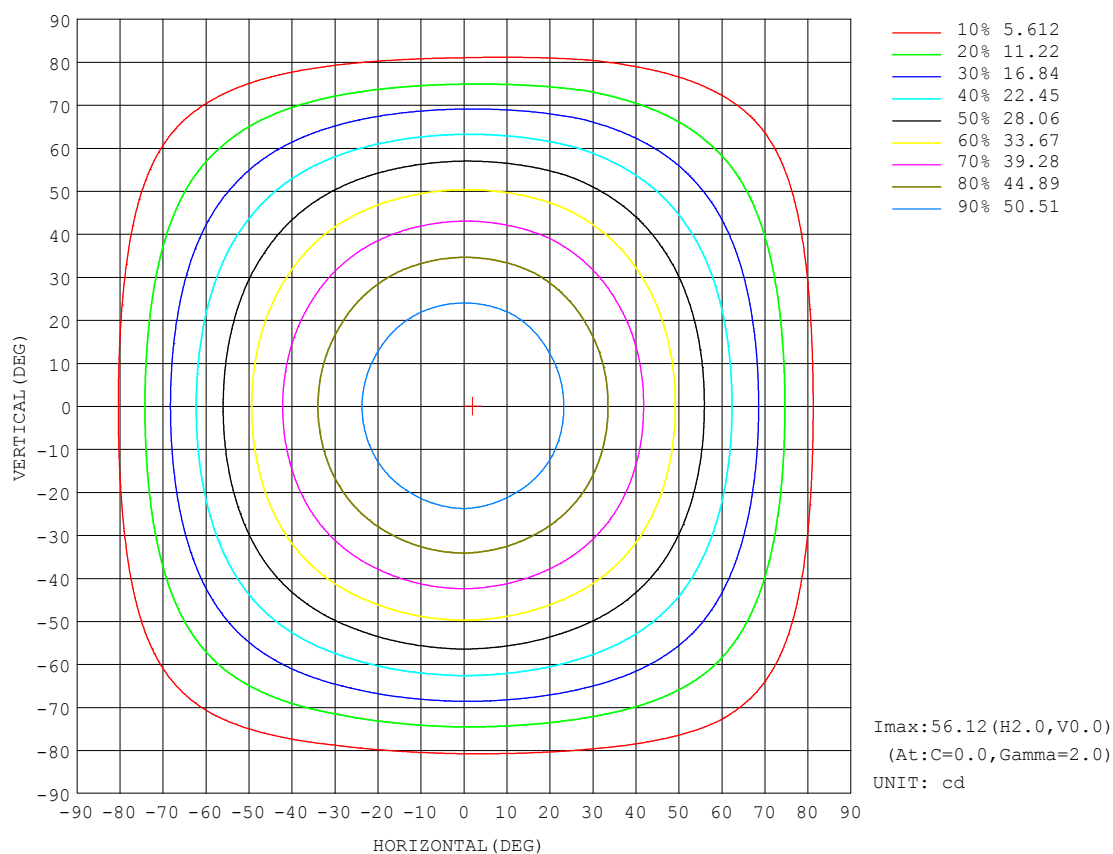
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	45	38	56	44	38	54	44	37	31
0.80	66	55	47	65	54	47	63	53	46	39
1.00	75	63	56	73	63	56	71	64	55	48
1.25	82	71	64	80	70	63	77	69	62	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	78	92	84	77	88	81	76	67
2.50	98	90	84	95	88	82	91	85	80	71
3.00	101	94	88	99	92	87	94	89	85	75
4.00	105	99	95	102	97	93	98	93	90	80
5.00	108	103	98	105	100	97	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:0.2389A P:5.733W PF:1.000 Lamp Flux:166.242x1 lm		
NAME: SF09-24V-2835-70-3000k	TYPE: 硅胶	WEIGHT:
DIM.: 16mm*8mm	SPEC.:	SERIAL No.:20220829
MFR.: OLYMPIA	SUR.:1*0.016	PROTECTION ANGLE:

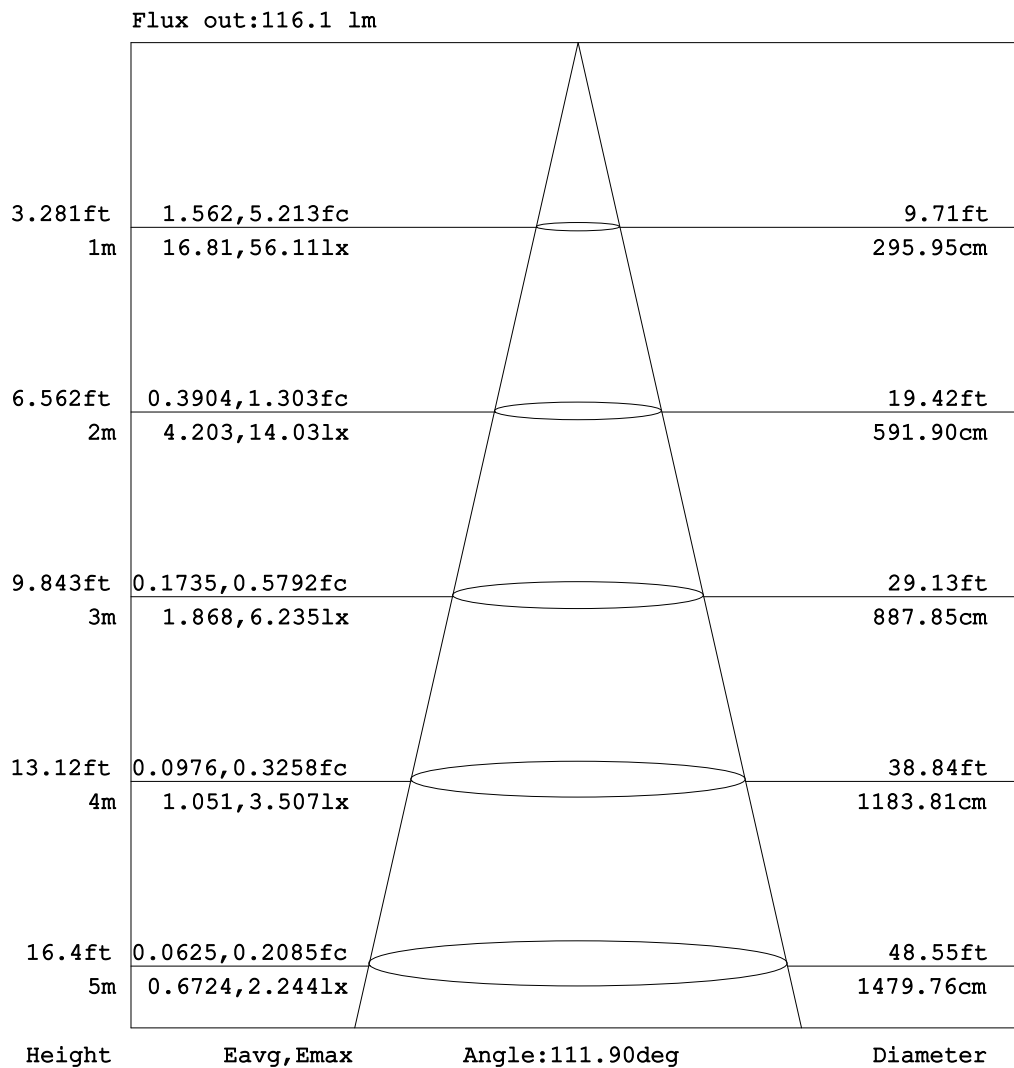


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2022-08-29

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:0.2389A P:5.733W PF:1.000 Lamp Flux:166.242x1 lm		
NAME: SF09-24V-2835-70-3000k	TYPE: 硅胶	WEIGHT:
DIM.: 16mm*8mm	SPEC.:	SERIAL No.:20220829
MFR.: OLYMPIA	SUR.:1*0.016	PROTECTION ANGLE:



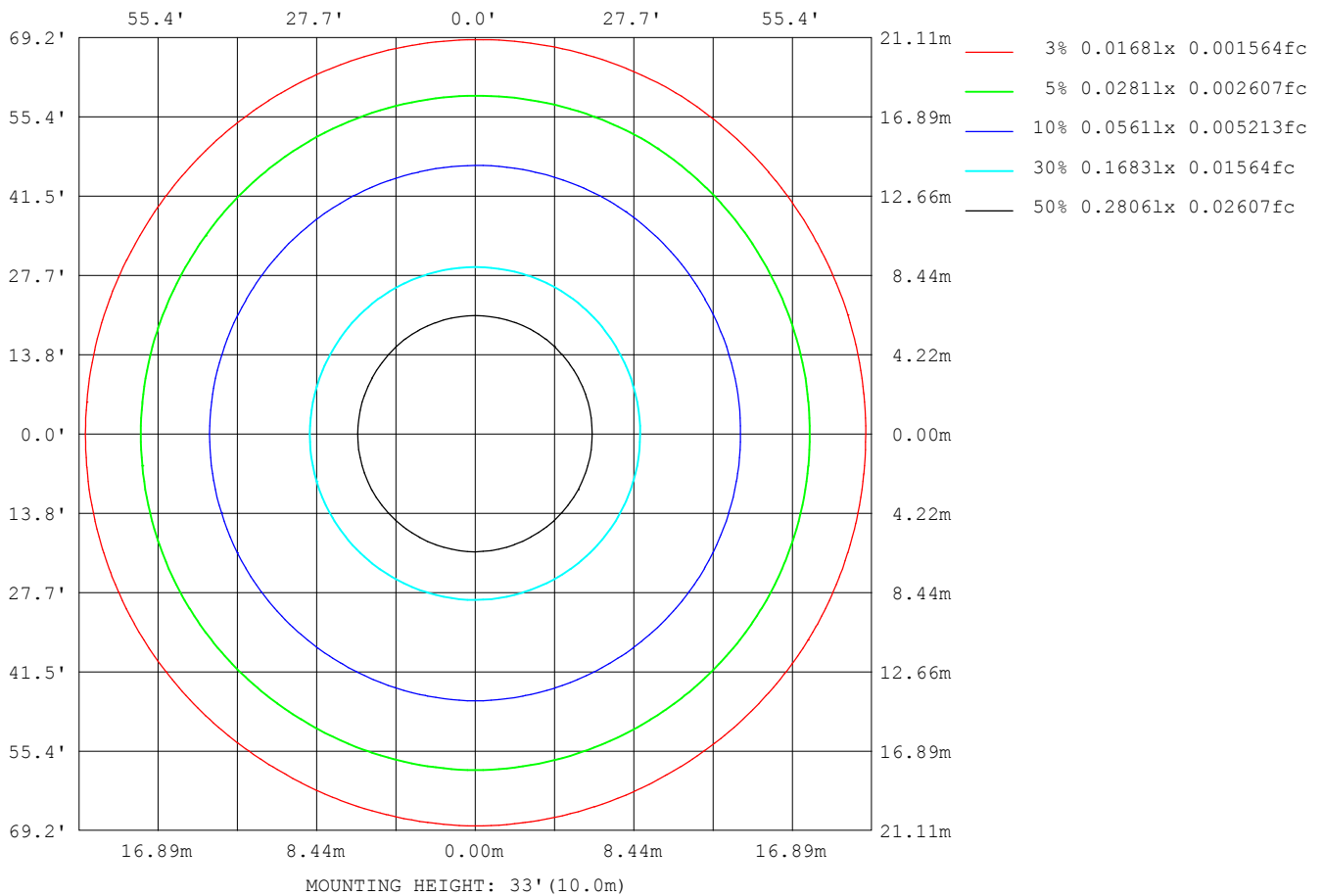
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

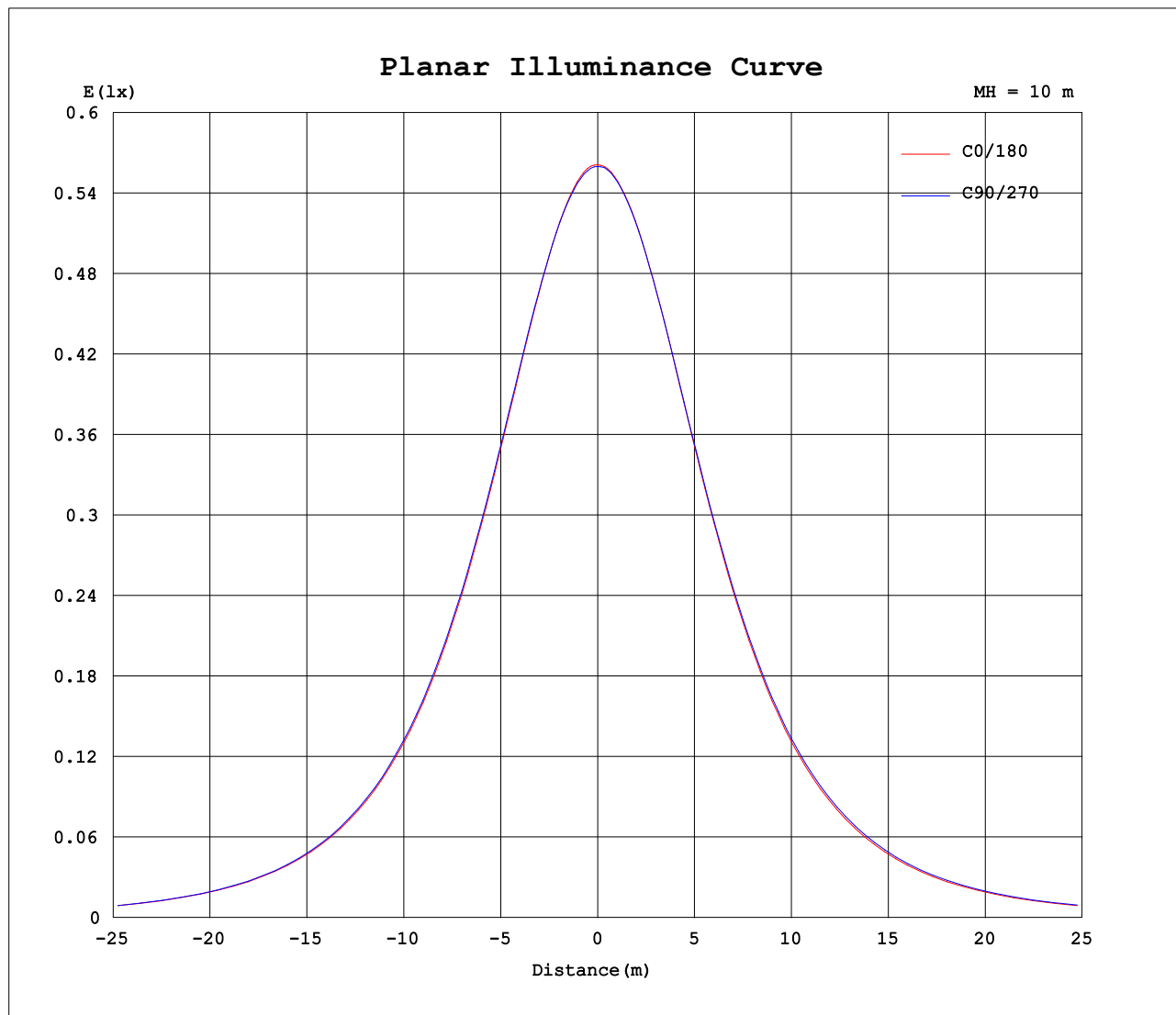
Test:U:24.00V I:0.2389A P:5.733W PF:1.000 Lamp Flux:166.242x1 lm		
NAME: SF09-24V-2835-70-3000k	TYPE: 硅胶	WEIGHT:
DIM.: 16mm*8mm	SPEC.:	SERIAL No.:20220829
MFR.: OLYMPIA	SUR.:1*0.016	PROTECTION ANGLE:



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:

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:0.2389A P:5.733W PF:1.000 Lamp Flux:166.242x1 lm		
NAME: SF09-24V-2835-70-3000k	TYPE: 硅胶	WEIGHT:
DIM.: 16mm*8mm	SPEC.:	SERIAL No.:20220829
MFR.: OLYMPIA	SUR.:1*0.016	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	56.1	56.0	56.0	56.0	55.9	55.9	56.1	56.0	56.0	56.0	55.9	55.9						
5	55.9	55.8	55.8	55.7	55.7	55.7	55.9	55.8	55.8	55.8	55.7	55.7						
10	55.0	55.0	55.0	55.0	55.0	55.0	55.1	55.1	55.1	55.1	55.0	54.9						
15	53.7	53.7	53.7	53.8	53.7	53.8	53.9	53.8	53.8	53.8	53.8	53.6						
20	51.9	51.9	51.9	52.1	52.0	52.1	52.1	52.0	52.1	52.1	52.1	51.9						
25	49.7	49.7	49.7	49.9	49.8	49.9	49.9	49.8	50.0	50.0	50.1	49.7						
30	47.0	47.1	47.1	47.4	47.2	47.3	47.3	47.1	47.5	47.5	47.6	47.1						
35	43.9	44.1	44.1	44.3	44.2	44.3	44.2	44.2	44.5	44.6	44.7	44.1						
40	40.6	40.7	40.7	41.1	40.8	40.9	40.9	40.8	41.2	41.4	41.4	40.8						
45	36.9	37.0	37.1	37.5	37.2	37.2	37.1	37.1	37.5	37.8	37.8	37.2						
50	33.0	33.1	33.2	33.5	33.2	33.2	33.1	33.1	33.6	33.9	34.0	33.3						
55	28.8	29.0	29.0	29.3	28.9	29.0	28.9	28.9	29.4	29.8	29.9	29.1						
60	24.5	24.7	24.7	24.9	24.5	24.6	24.5	24.4	25.0	25.3	25.5	24.8						
65	20.0	20.3	20.1	20.3	19.8	20.0	19.9	19.8	20.3	20.7	21.0	20.2						
70	15.5	15.7	15.5	15.5	15.1	15.3	15.2	15.1	15.6	15.9	16.3	15.6						
75	10.9	11.1	10.9	10.8	10.4	10.5	10.4	10.4	10.8	11.1	11.6	11.0						
80	6.58	6.77	6.47	6.30	5.87	6.02	5.94	5.87	6.21	6.43	7.01	6.55						
85	3.04	3.18	2.88	2.59	2.26	2.35	2.25	2.18	2.38	2.70	3.19	2.92						
90	1.12	1.21	1.21	1.13	0.78	0.68	0.44	0.49	0.72	1.24	1.23	1.03						
95	0.81	0.91	1.09	1.15	0.75	0.61	0.32	0.36	0.66	1.21	1.08	0.77						
100	0.71	0.88	1.07	1.16	0.76	0.65	0.35	0.37	0.69	1.20	1.07	0.69						
105	0.70	0.87	1.07	1.16	0.78	0.69	0.40	0.39	0.73	1.19	1.07	0.69						
110	0.70	0.88	1.07	1.16	0.79	0.74	0.44	0.44	0.77	1.18	1.07	0.69						
115	0.71	0.91	1.09	1.16	0.80	0.77	0.49	0.49	0.81	1.18	1.07	0.69						
120	0.71	0.94	1.09	1.14	0.84	0.80	0.55	0.53	0.85	1.17	1.07	0.69						
125	0.76	0.97	1.09	1.12	0.84	0.82	0.60	0.59	0.87	1.17	1.05	0.72						
130	0.78	0.98	1.09	1.11	0.86	0.87	0.66	0.63	0.91	1.16	1.05	0.76						
135	0.83	1.00	1.09	1.10	0.89	0.92	0.71	0.68	0.94	1.15	1.04	0.77						
140	0.86	1.01	1.09	1.10	0.92	0.95	0.76	0.75	0.98	1.14	1.04	0.79						
145	0.91	1.03	1.09	1.10	0.93	0.98	0.82	0.77	1.00	1.13	1.04	0.83						
150	0.93	1.04	1.09	1.10	0.95	1.01	0.88	0.83	1.01	1.13	1.04	0.85						
155	0.96	1.05	1.09	1.10	1.01	1.03	0.92	0.88	1.02	1.09	1.04	0.88						
160	1.00	1.06	1.09	1.10	1.01	1.05	0.98	0.92	1.02	1.07	1.04	0.93						
165	1.01	1.07	1.10	1.10	1.03	1.06	1.02	0.96	1.04	1.06	1.04	0.95						
170	1.03	1.08	1.09	1.10	1.04	1.07	1.06	1.00	1.06	1.05	1.05	1.00						
175	1.07	1.08	1.09	1.10	1.06	1.07	1.08	1.02	1.09	1.05	1.08	1.02						
180	1.08	1.09	1.09	1.09	1.07	1.07	1.08	1.08	1.10	1.08	1.08	1.06						

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]

G/C	0.0	30.0	60.0	90.0	120.0	150.0	180.0	210.0	240.0	270.0
0.0	56.11	56.04	56.00	55.99	55.95	55.93	56.11	56.04	56.00	55.99
3.0	56.06	55.94	55.95	55.89	55.91	55.85	56.03	56.00	55.94	55.96
6.0	55.75	55.66	55.65	55.61	55.63	55.58	55.76	55.73	55.67	55.69
9.0	55.26	55.20	55.18	55.18	55.17	55.18	55.31	55.28	55.24	55.25
12.0	54.58	54.54	54.52	54.56	54.54	54.53	54.68	54.63	54.62	54.62
15.0	53.72	53.71	53.69	53.76	53.73	53.76	53.86	53.78	53.83	53.82
18.0	52.70	52.70	52.70	52.86	52.77	52.77	52.87	52.82	52.88	52.92
21.0	51.49	51.55	51.53	51.66	51.61	51.65	51.71	51.60	51.76	51.76
24.0	50.14	50.24	50.21	50.42	50.30	50.37	50.38	50.27	50.46	50.49
27.0	48.64	48.71	48.73	48.94	48.84	48.86	48.89	48.78	49.03	49.09
30.0	47.00	47.10	47.10	47.36	47.23	47.29	47.27	47.11	47.45	47.49
33.0	45.20	45.32	45.34	45.63	45.45	45.50	45.49	45.36	45.72	45.83
36.0	43.28	43.36	43.45	43.74	43.56	43.59	43.57	43.46	43.85	43.96
39.0	41.26	41.41	41.45	41.74	41.54	41.59	41.56	41.51	41.88	42.09
42.0	39.11	39.29	39.32	39.63	39.39	39.45	39.40	39.35	39.75	39.98
45.0	36.90	37.01	37.10	37.47	37.16	37.20	37.14	37.11	37.53	37.82
48.0	34.57	34.76	34.77	35.06	34.80	34.87	34.78	34.74	35.20	35.53
51.0	32.16	32.35	32.37	32.73	32.35	32.41	32.34	32.30	32.77	33.12
54.0	29.67	29.85	29.85	30.10	29.80	29.88	29.80	29.80	30.25	30.64
57.0	27.12	27.35	27.29	27.61	27.18	27.32	27.20	27.16	27.65	28.03
60.0	24.52	24.71	24.67	24.88	24.48	24.61	24.51	24.45	24.96	25.33
63.0	21.85	22.05	21.96	22.11	21.72	21.84	21.77	21.75	22.19	22.64
66.0	19.15	19.38	19.22	19.38	18.91	19.05	18.99	18.94	19.41	19.75
69.0	16.39	16.62	16.42	16.51	16.08	16.20	16.15	16.07	16.54	16.90
72.0	13.64	13.85	13.63	13.64	13.20	13.34	13.29	13.26	13.65	14.07
75.0	10.91	11.10	10.86	10.83	10.36	10.53	10.45	10.40	10.79	11.06
78.0	8.247	8.461	8.157	8.029	7.594	7.743	7.695	7.607	7.986	8.341
81.0	5.788	5.994	5.657	5.441	5.059	5.170	5.112	5.022	5.358	5.600
84.0	3.637	3.774	3.481	3.216	2.848	2.969	2.867	2.796	3.038	3.365
87.0	2.006	2.128	1.895	1.616	1.326	1.400	1.263	1.210	1.343	1.743
90.0	1.118	1.205	1.208	1.126	0.7848	0.6779	0.4412	0.4887	0.7239	1.237
93.0	0.8648	0.9597	1.111	1.143	0.7520	0.6360	0.3325	0.3670	0.6673	1.226
96.0	0.7843	0.8943	1.076	1.148	0.7561	0.6133	0.3117	0.3568	0.6685	1.211
99.0	0.7389	0.8861	1.066	1.153	0.7618	0.6383	0.3369	0.3633	0.6936	1.196
102.0	0.7087	0.8778	1.067	1.159	0.7704	0.6685	0.3720	0.3697	0.7137	1.190
105.0	0.6986	0.8743	1.068	1.162	0.7785	0.6887	0.3972	0.3869	0.7288	1.188
108.0	0.7007	0.8804	1.069	1.160	0.7864	0.7238	0.4323	0.4303	0.7540	1.186
111.0	0.7039	0.8846	1.070	1.159	0.7950	0.7438	0.4574	0.4505	0.7791	1.184
114.0	0.7072	0.9047	1.090	1.157	0.8041	0.7590	0.4826	0.4773	0.8042	1.181
117.0	0.7104	0.9198	1.086	1.156	0.8291	0.7741	0.5127	0.5035	0.8293	1.177
120.0	0.7136	0.9389	1.086	1.144	0.8392	0.7991	0.5479	0.5277	0.8493	1.173
123.0	0.7587	0.9510	1.086	1.136	0.8393	0.8143	0.5781	0.5628	0.8695	1.166
126.0	0.7678	0.9700	1.086	1.121	0.8443	0.8344	0.6133	0.5999	0.8747	1.164
129.0	0.7839	0.9800	1.086	1.121	0.8593	0.8695	0.6435	0.6181	0.8948	1.158
132.0	0.8090	0.9901	1.086	1.107	0.8694	0.8897	0.6736	0.6532	0.9149	1.151
135.0	0.8342	1.000	1.086	1.102	0.8944	0.9198	0.7087	0.6834	0.9449	1.152
138.0	0.8492	1.015	1.086	1.106	0.9176	0.9399	0.7440	0.7136	0.9700	1.146
141.0	0.8644	1.016	1.086	1.096	0.9249	0.9600	0.7840	0.7536	0.9821	1.139
144.0	0.8994	1.025	1.086	1.096	0.9299	0.9771	0.8143	0.7689	0.9959	1.133
147.0	0.9256	1.032	1.086	1.096	0.9348	0.9951	0.8444	0.8040	1.000	1.131
150.0	0.9287	1.037	1.086	1.096	0.9548	1.010	0.8796	0.8343	1.007	1.126
153.0	0.9447	1.043	1.086	1.096	0.9899	1.025	0.9048	0.8544	1.014	1.106
156.0	0.9649	1.048	1.086	1.096	1.007	1.030	0.9399	0.8945	1.020	1.086
159.0	0.9973	1.060	1.086	1.096	1.011	1.045	0.9651	0.9197	1.025	1.071
162.0	1.004	1.061	1.086	1.096	1.018	1.054	0.9951	0.9398	1.025	1.060
165.0	1.010	1.073	1.095	1.096	1.028	1.063	1.015	0.9598	1.037	1.055
168.0	1.025	1.086	1.094	1.096	1.035	1.065	1.040	0.9951	1.050	1.054
171.0	1.035	1.082	1.093	1.096	1.040	1.067	1.065	1.007	1.060	1.053
174.0	1.055	1.084	1.092	1.096	1.045	1.069	1.076	1.020	1.076	1.052
177.0	1.080	1.086	1.091	1.096	1.070	1.070	1.081	1.030	1.096	1.050
180.0	1.081	1.086	1.091	1.091	1.065	1.070	1.076	1.076	1.096	1.081
G/C	300.0	330.0								
0.0	55.95	55.93								
3.0	55.86	55.88								
6.0	55.60	55.60								
9.0	55.17	55.13								
12.0	54.56	54.47								
15.0	53.78	53.63								
18.0	52.86	52.65								
21.0	51.77	51.49								
24.0	50.50	50.16								
27.0	49.11	48.71								
30.0	47.56	47.11								

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:

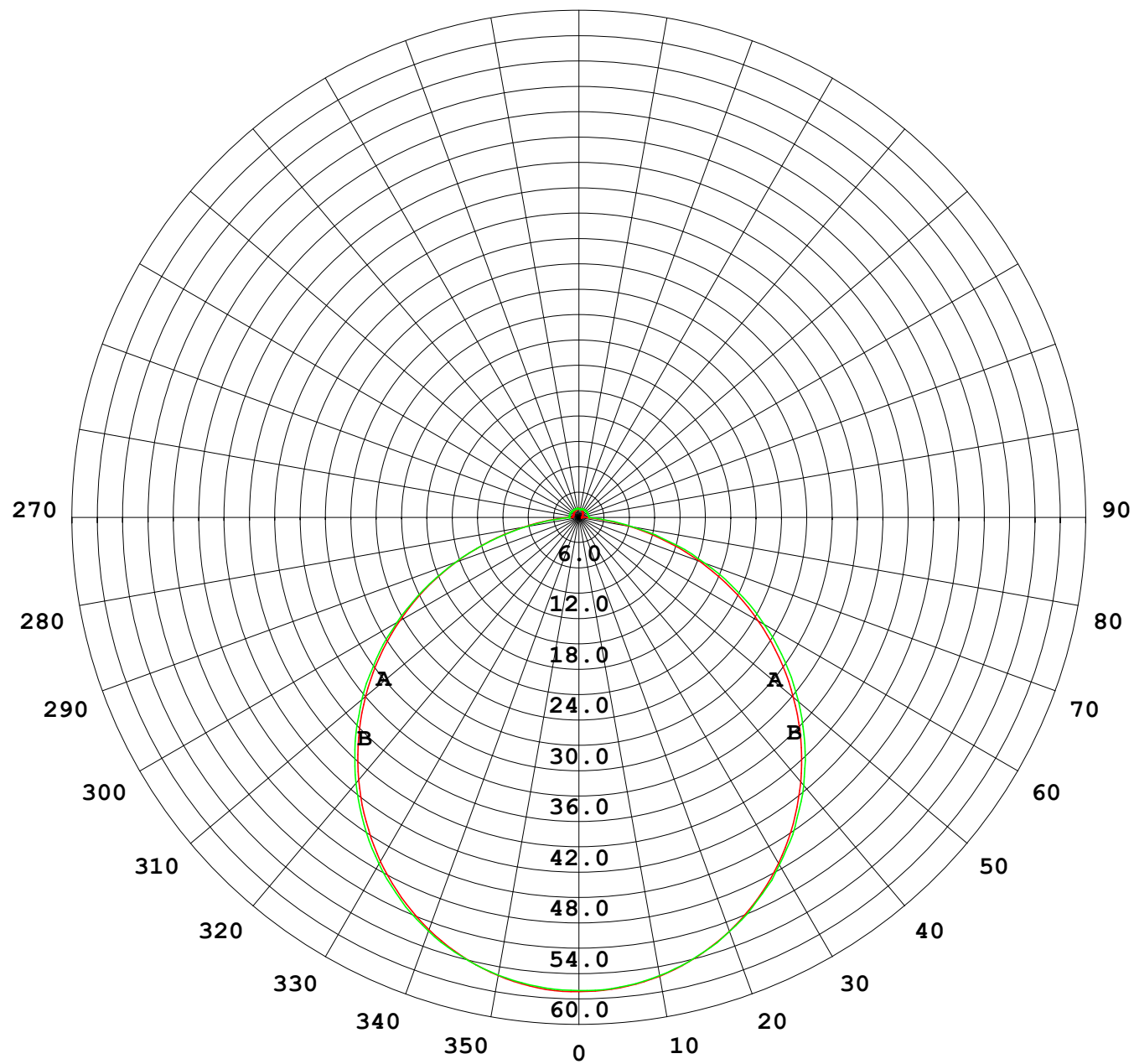
Photometric Data Table [cd]

33.0	45.86	45.35
36.0	44.03	43.48
39.0	42.11	41.48
42.0	40.03	39.36
45.0	37.84	37.19
48.0	35.56	34.87
51.0	33.19	32.47
54.0	30.72	30.01
57.0	28.17	27.43
60.0	25.54	24.76
63.0	22.82	22.16
66.0	20.08	19.32
69.0	17.27	16.58
72.0	14.38	13.82
75.0	11.56	10.95
78.0	8.795	8.375
81.0	6.177	5.766
84.0	3.862	3.566
87.0	2.092	1.929
90.0	1.230	1.032
93.0	1.100	0.8145
96.0	1.080	0.7490
99.0	1.075	0.7037
102.0	1.074	0.6877
105.0	1.074	0.6854
108.0	1.073	0.6857
111.0	1.072	0.6874
114.0	1.072	0.6891
117.0	1.071	0.6908
120.0	1.065	0.6924
123.0	1.058	0.6985
126.0	1.052	0.7287
129.0	1.049	0.7560
132.0	1.046	0.7627
135.0	1.043	0.7694
138.0	1.040	0.7790
141.0	1.037	0.7940
144.0	1.035	0.8241
147.0	1.036	0.8393
150.0	1.037	0.8493
153.0	1.038	0.8694
156.0	1.038	0.8995
159.0	1.039	0.9229
162.0	1.040	0.9355
165.0	1.035	0.9548
168.0	1.040	0.9950
171.0	1.060	1.004
174.0	1.071	1.012
177.0	1.081	1.030
180.0	1.081	1.055

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

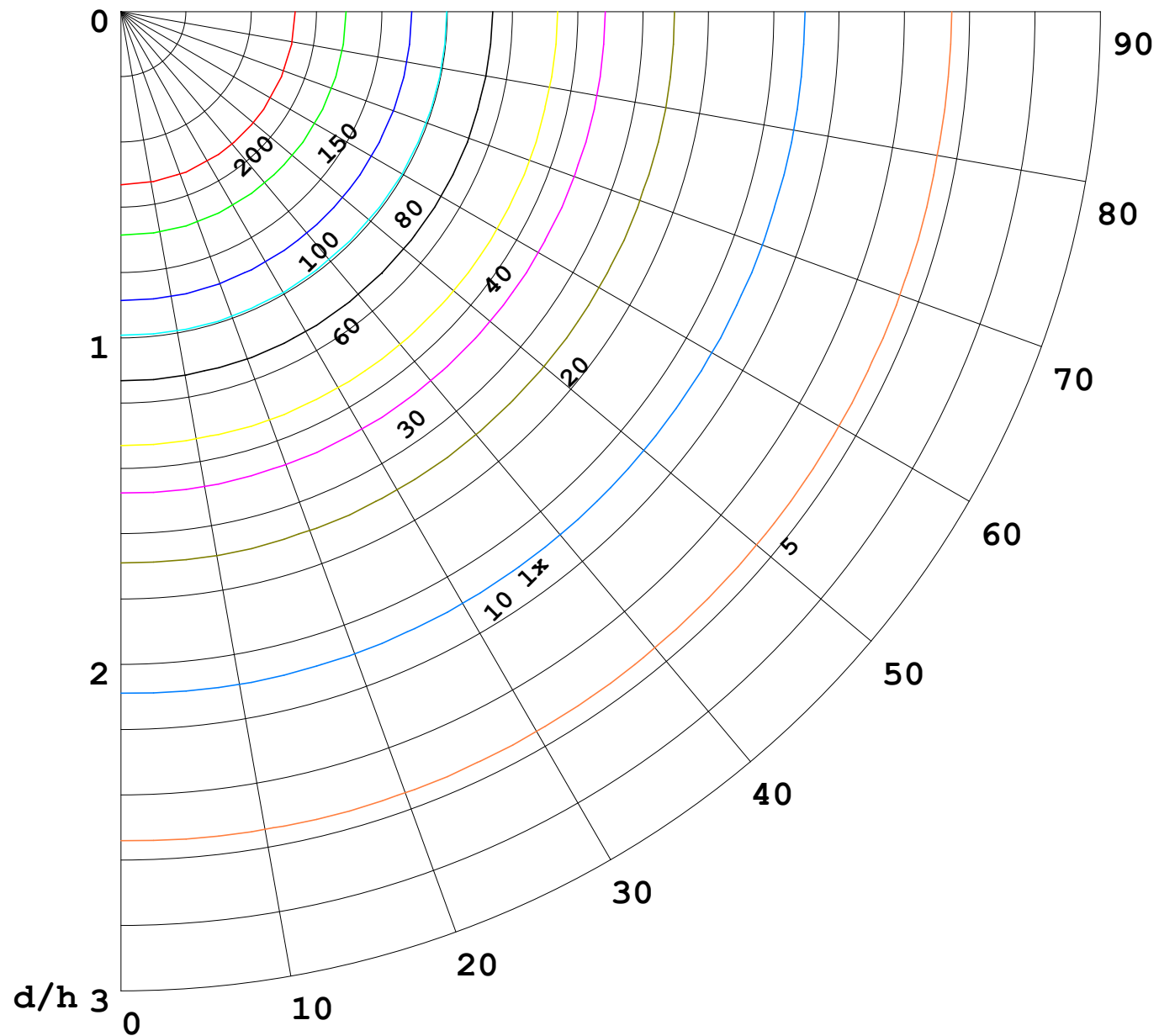
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

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

