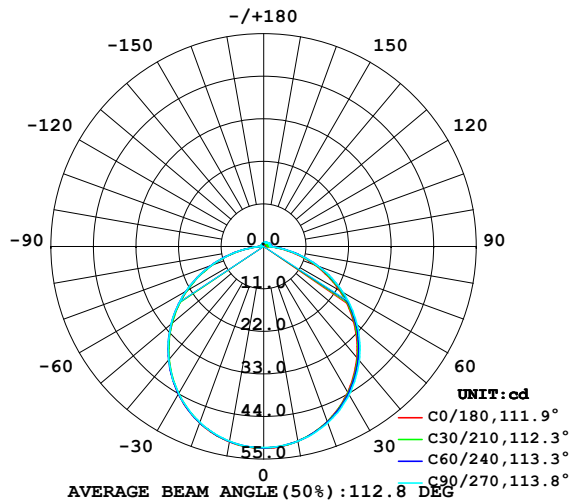


LUMINAIRE PHOTOMETRIC TEST REPORT

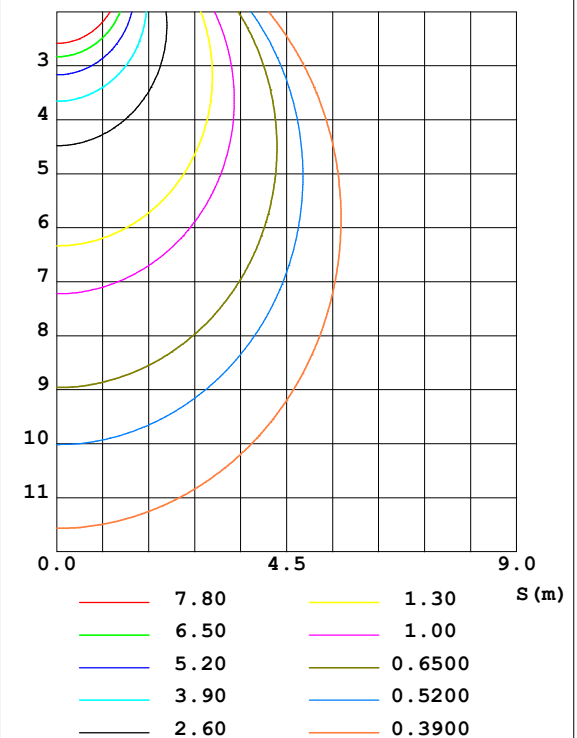
Test:U:24.00V I:0.2244A P:5.385W PF:1.000 Lamp Flux:155.574x1 lm		
NAME: SF09-24V-2835-70-3500k	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*8mm	SPEC.:	SERIAL No.:20220829
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 28.89 lm/W			
MODEL	2835	I _{max} (cd)	52.16	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)	155.57	η UP, DN (C0-180)	2.3, 48.4
NOMINAL FLUX (lm)	155.574	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.3, 47.9
LAMPS INSIDE	1	η up (%)	3.7	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	24.0	η down (%)	96.3	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	51.12	51.08	51.14	51.12	51.29	51.20	51.13	50.99	0- 10	4.925	4.925	3.17,3.17
20	48.15	48.25	48.53	48.47	48.53	48.44	48.36	48.17	10- 20	14.10	19.02	12.2,12.2
30	43.51	43.77	44.25	44.12	44.07	44.01	43.94	43.72	20- 30	21.35	40.38	26,26
40	37.52	37.92	38.49	38.33	38.15	38.12	38.22	37.86	30- 40	25.74	66.12	42.5,42.5
50	30.42	30.97	31.57	31.27	31.02	31.08	31.21	30.86	40- 50	26.75	92.87	59.7,59.7
60	22.54	23.21	23.68	23.32	23.00	23.02	23.18	22.94	50- 60	24.29	117.2	75.3,75.3
70	14.13	14.82	15.12	14.65	14.39	14.43	14.43	14.38	60- 70	18.67	135.8	87.3,87.3
80	5.944	6.557	6.537	6.090	5.841	5.781	5.681	5.879	70- 80	10.79	146.6	94.2,94.2
90	1.138	1.684	1.713	1.088	0.5111	0.5533	0.8750	0.8346	80- 90	3.245	149.9	96.3,96.3
100	0.7138	1.392	1.650	1.013	0.3117	0.4661	0.8091	0.5883	90-100	0.9848	150.8	97,97
110	0.6945	1.372	1.588	1.048	0.4021	0.5277	0.8091	0.6006	100-110	0.9249	151.8	97.6,97.6
120	0.6895	1.312	1.518	1.086	0.4976	0.6055	0.8091	0.6259	110-120	0.8845	152.7	98.1,98.1
130	0.7237	1.221	1.427	1.098	0.5932	0.6809	0.8091	0.6859	120-130	0.8095	153.5	98.6,98.6
140	0.7890	1.141	1.337	1.093	0.6986	0.7489	0.8457	0.7489	130-140	0.7108	154.2	99.1,99.1
150	0.8443	1.101	1.216	1.083	0.8042	0.8215	0.8604	0.8142	140-150	0.5888	154.8	99.5,99.5
160	0.9197	1.056	1.111	1.053	0.8946	0.8820	0.8945	0.8770	150-160	0.4410	155.2	99.8,99.8
170	0.9438	1.005	1.022	1.011	0.9700	0.9451	0.9290	0.9419	160-170	0.2742	155.5	99.9,99.9
180	0.9700	0.9901	1.010	1.008	0.9700	0.9700	0.9800	0.9725	170-180	0.0931	155.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	321	360
80	342	376
75	383	415
70	413	442
65	435	461
60	451	474
55	463	483
50	473	491
45	482	497

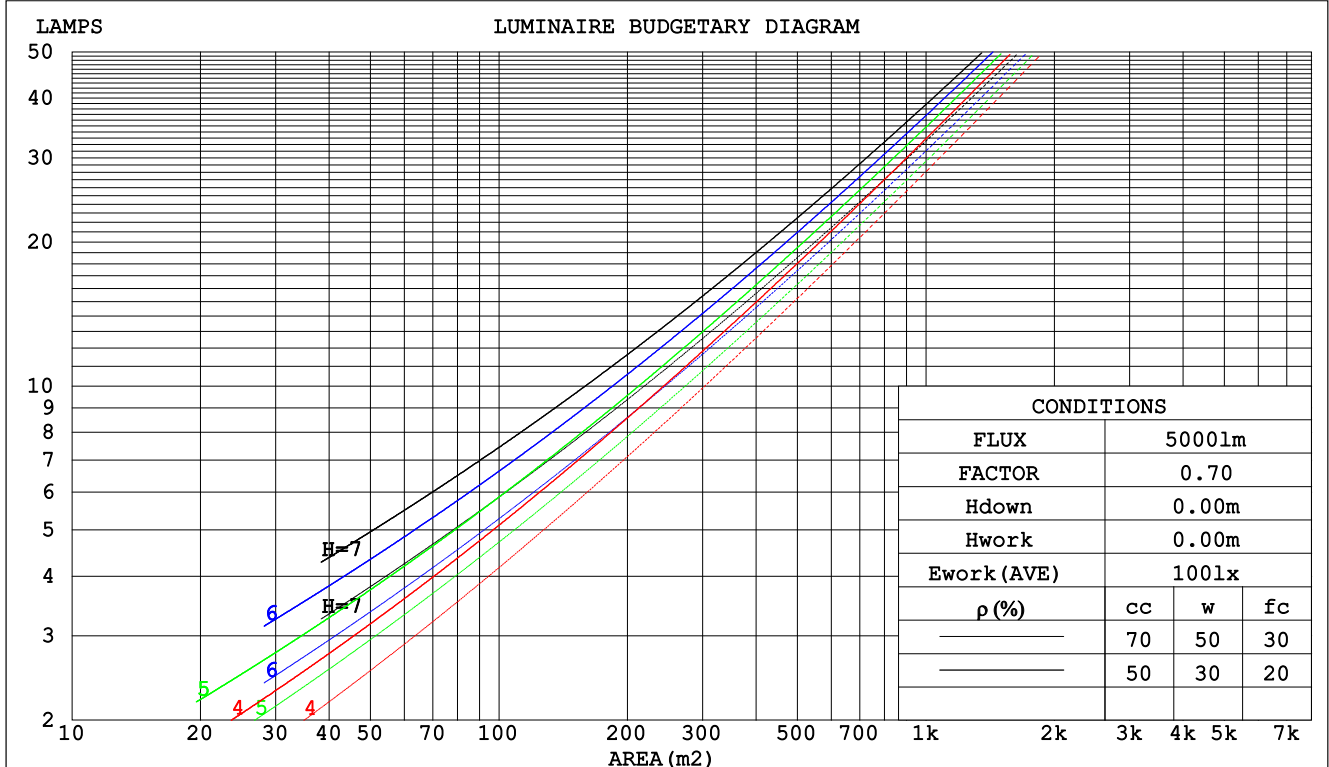
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2022-08-29

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:0.2244A P:5.385W PF:1.000 Lamp Flux:155.574x1 lm		
NAME: SF09-24V-2835-70-3500k	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	.96
1.0	1.03	.99	.95	1.00	.96	.93	.95	.92	.89	.91	.88	.86	.87	.85	.83	.80
2.0	.89	.83	.77	.87	.81	.76	.83	.78	.73	.79	.75	.71	.76	.72	.69	.67
3.0	.78	.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	.53	.48	.43	.41
6.0	.56	.47	.40	.55	.46	.40	.52	.45	.39	.50	.44	.39	.48	.43	.38	.36
7.0	.50	.42	.36	.49	.41	.35	.48	.40	.35	.46	.39	.34	.44	.38	.34	.32
8.0	.46	.37	.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	.37	.32	.27	.25
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.25	.36	.29	.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:0.2244A P:5.385W PF:1.000 Lamp Flux:155.574x1 lm		
NAME: SF09-24V-2835-70-3500k	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	.274	.158	.051	.261	.152	.049		
2.0	.292	.160	.049	.285	.157	.048	.271	.151	.047	.259	.145	.045	.247	.140	.044		
3.0	.270	.144	.043	.264	.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	.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	.089	.026		
8.0	.185	.090	.025	.181	.089	.025	.174	.087	.025	.168	.085	.024	.161	.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	.143	.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	.218	.218	.218	.187	.187	.187	.127	.127	.127	.073	.073	.073	.023	.023	.023	
1.0	.209	.184	.162	.179	.158	.140	.122	.109	.097	.070	.063	.056	.023	.020	.018	
2.0	.201	.160	.126	.172	.138	.109	.118	.095	.076	.068	.056	.045	.022	.018	.015	
3.0	.193	.143	.103	.165	.123	.089	.114	.086	.063	.066	.050	.037	.021	.016	.012	
4.0	.185	.130	.087	.159	.112	.076	.109	.078	.053	.063	.046	.031	.020	.015	.010	
5.0	.178	.119	.076	.153	.103	.066	.105	.072	.047	.061	.042	.028	.020	.014	.009	
6.0	.171	.111	.068	.147	.096	.059	.101	.067	.042	.059	.040	.025	.019	.013	.008	
7.0	.164	.104	.062	.141	.090	.054	.098	.063	.038	.057	.037	.023	.018	.012	.008	
8.0	.158	.098	.058	.136	.085	.050	.094	.060	.036	.055	.035	.021	.018	.012	.007	
9.0	.152	.094	.054	.131	.081	.047	.091	.057	.034	.053	.034	.020	.017	.011	.007	
10.0	.146	.089	.052	.126	.078	.045	.087	.055	.032	.051	.032	.019	.017	.011	.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:0.2244A P:5.385W PF:1.000 Lamp Flux:155.574x1 lm										
NAME: SF09-24V-2835-70-3500k					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	10.0	11.5	10.3	11.7	12.0	10.2	11.7	10.5	11.9	12.2
3H	11.5	12.9	11.9	13.2	13.5	11.8	13.1	12.1	13.4	13.7
4H	12.1	13.4	12.5	13.7	14.1	12.4	13.7	12.8	14.0	14.4
6H	12.6	13.8	12.9	14.1	14.5	12.9	14.1	13.3	14.4	14.8
8H	12.7	13.9	13.1	14.2	14.6	13.0	14.2	13.4	14.6	14.9
12H	12.8	13.9	13.2	14.3	14.6	13.1	14.3	13.6	14.6	15.0
4H 2H	10.6	11.9	11.0	12.2	12.6	10.8	12.1	11.1	12.4	12.7
3H	12.3	13.5	12.8	13.8	14.2	12.6	13.7	13.0	14.1	14.4
4H	13.1	14.1	13.5	14.5	14.9	13.3	14.4	13.8	14.8	15.2
6H	13.6	14.5	14.1	15.0	15.4	13.9	14.9	14.4	15.3	15.7
8H	13.8	14.7	14.3	15.1	15.6	14.1	15.0	14.6	15.4	15.9
12H	14.0	14.7	14.4	15.2	15.7	14.3	15.1	14.8	15.5	16.0
8H 4H	13.4	14.2	13.8	14.7	15.1	13.6	14.5	14.1	14.9	15.3
6H	14.1	14.8	14.6	15.3	15.8	14.4	15.1	14.9	15.5	16.0
8H	14.4	15.0	14.9	15.5	16.0	14.7	15.3	15.2	15.8	16.3
12H	14.6	15.1	15.1	15.6	16.2	14.9	15.5	15.5	16.0	16.5
12H 4H	13.4	14.2	13.9	14.6	15.1	13.6	14.4	14.1	14.8	15.3
6H	14.2	14.8	14.7	15.3	15.8	14.4	15.1	14.9	15.5	16.1
8H	14.5	15.0	15.0	15.5	16.1	14.8	15.3	15.3	15.8	16.4
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					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 155.6 lm Total Lamp Luminous Flux. (8log(F/F0) = -6.5)

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:0.2244A P:5.385W PF:1.000 Lamp Flux:155.574x1 lm		
NAME: SF09-24V-2835-70-3500k	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*8mm	SPEC.:	SERIAL No.:20220829
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

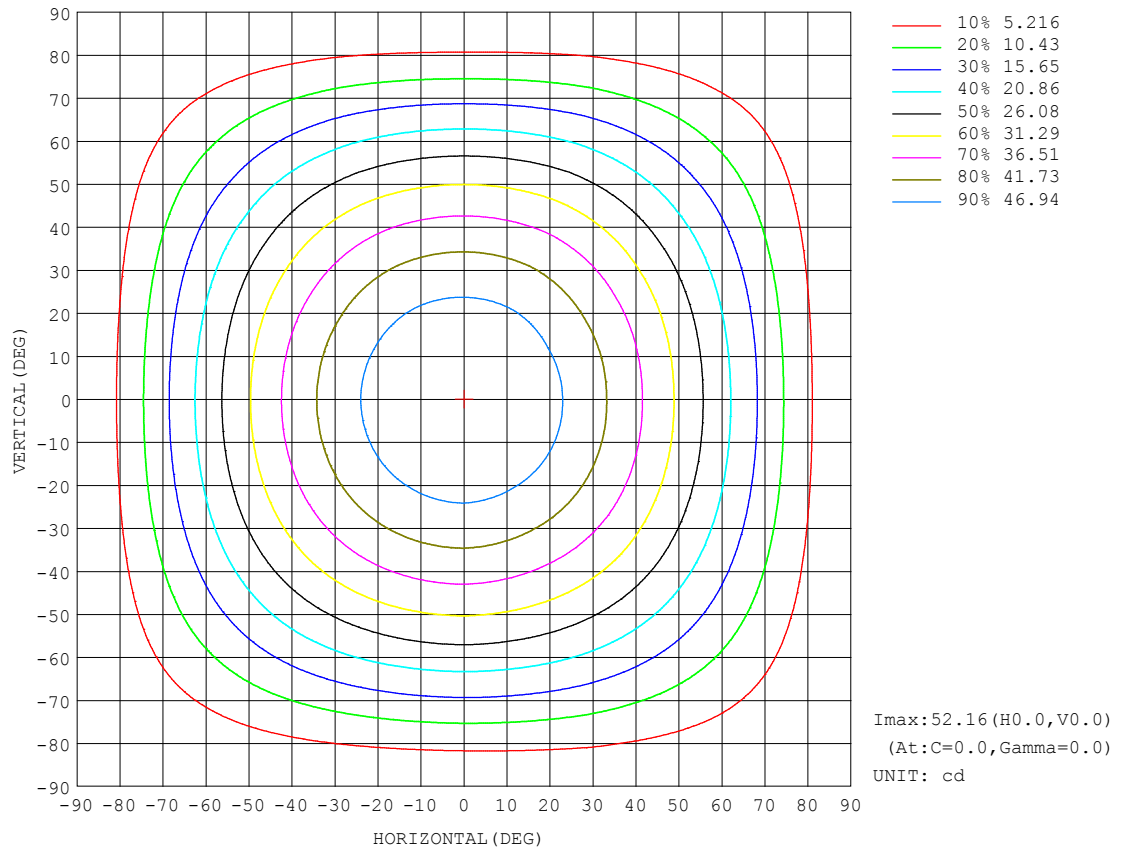
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	45	38	55	44	37	54	44	37	31
0.80	66	54	47	65	54	47	63	53	46	39
1.00	74	63	56	73	63	55	71	64	55	47
1.25	82	71	64	80	70	63	77	68	62	54
1.50	87	77	69	85	75	69	81	73	67	59
2.00	94	85	78	91	83	77	87	81	75	67
2.50	97	90	83	95	88	82	91	85	80	71
3.00	101	94	88	98	92	87	94	89	84	75
4.00	105	99	94	102	97	93	97	93	89	80
5.00	107	102	98	105	100	96	100	96	93	82
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:0.2244A P:5.385W PF:1.000 Lamp Flux:155.574x1 lm		
NAME: SF09-24V-2835-70-3500k	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*8mm	SPEC.:	SERIAL No.:20220829
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

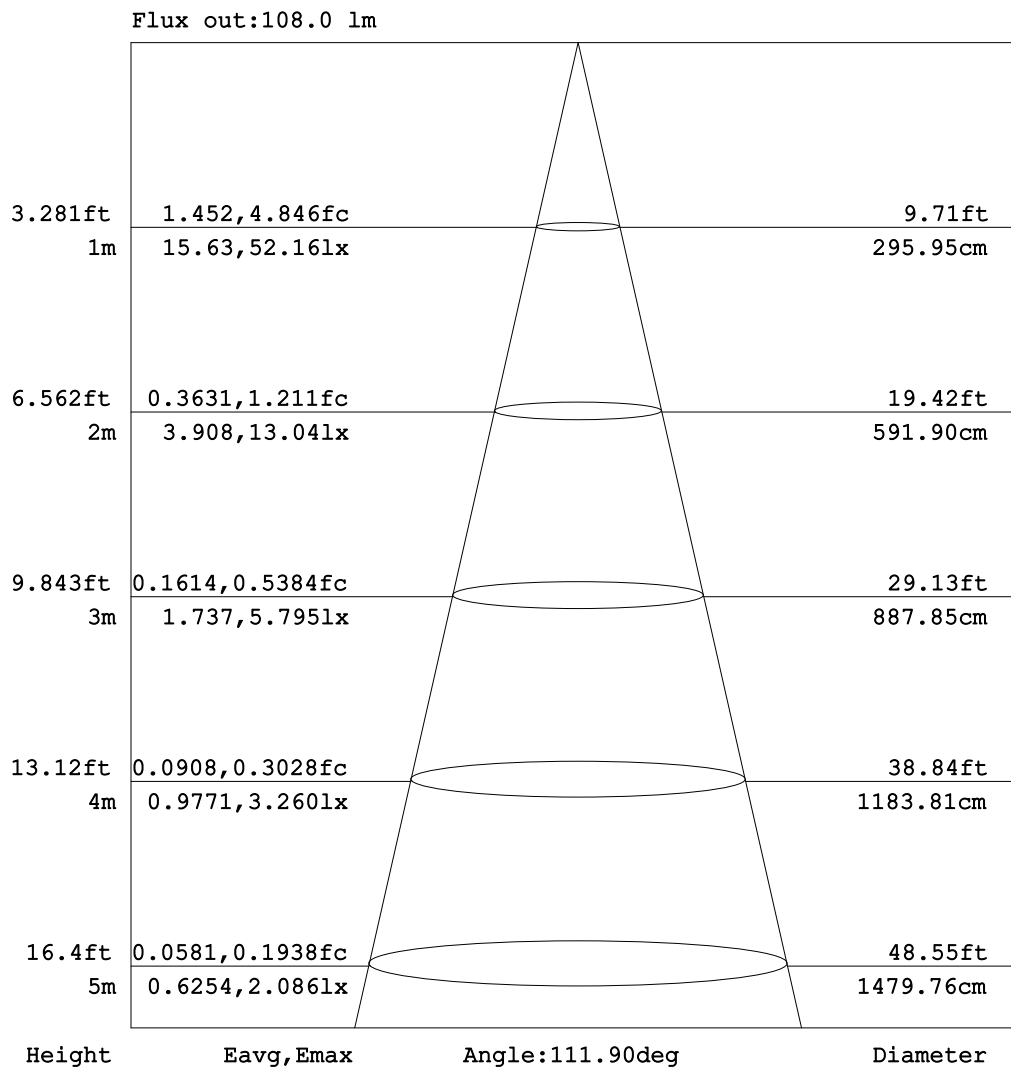


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2022-08-29

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:0.2244A P:5.385W PF:1.000 Lamp Flux:155.574x1 lm		
NAME: SF09-24V-2835-70-3500k	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*8mm	SPEC.:	SERIAL No.:20220829
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:



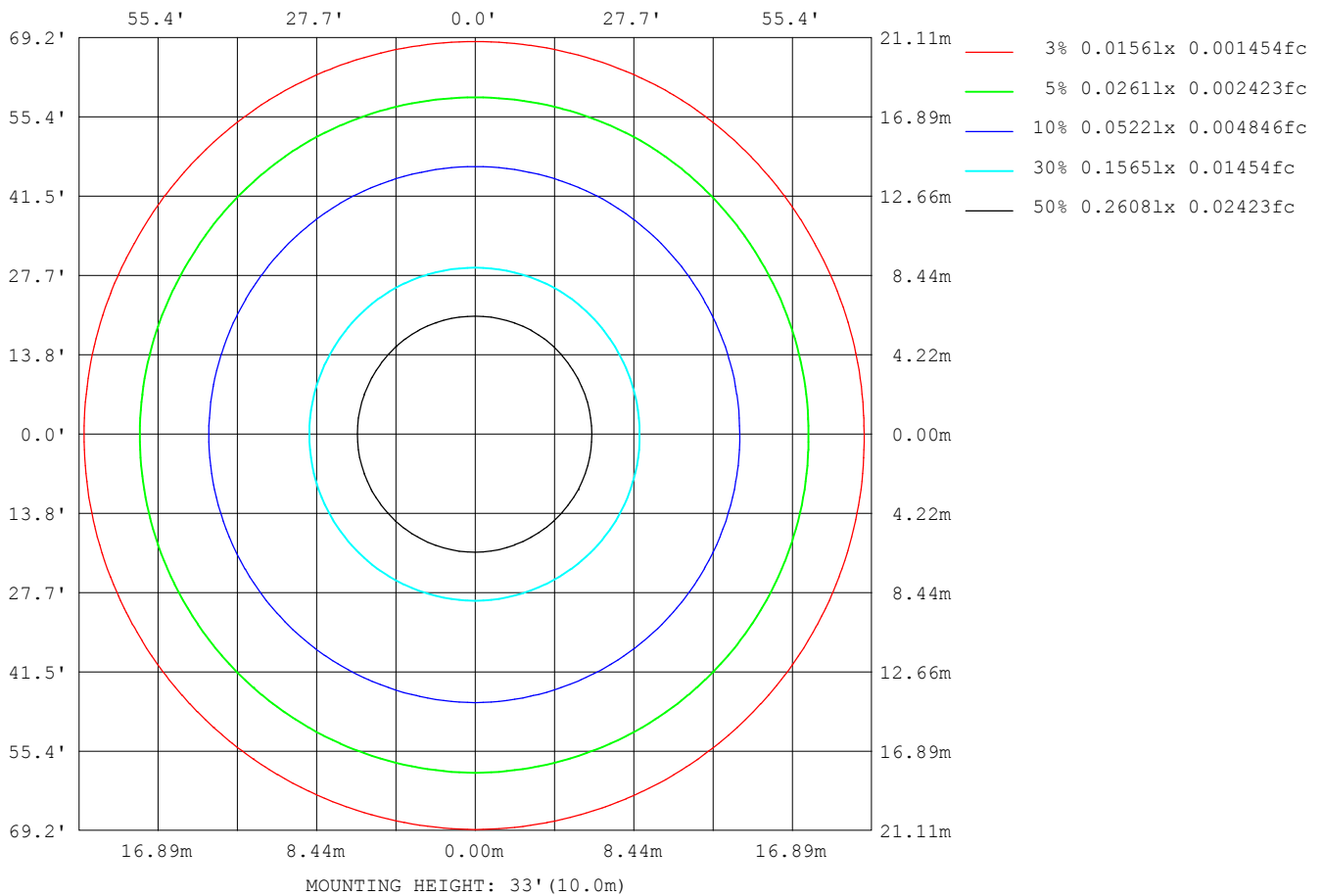
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

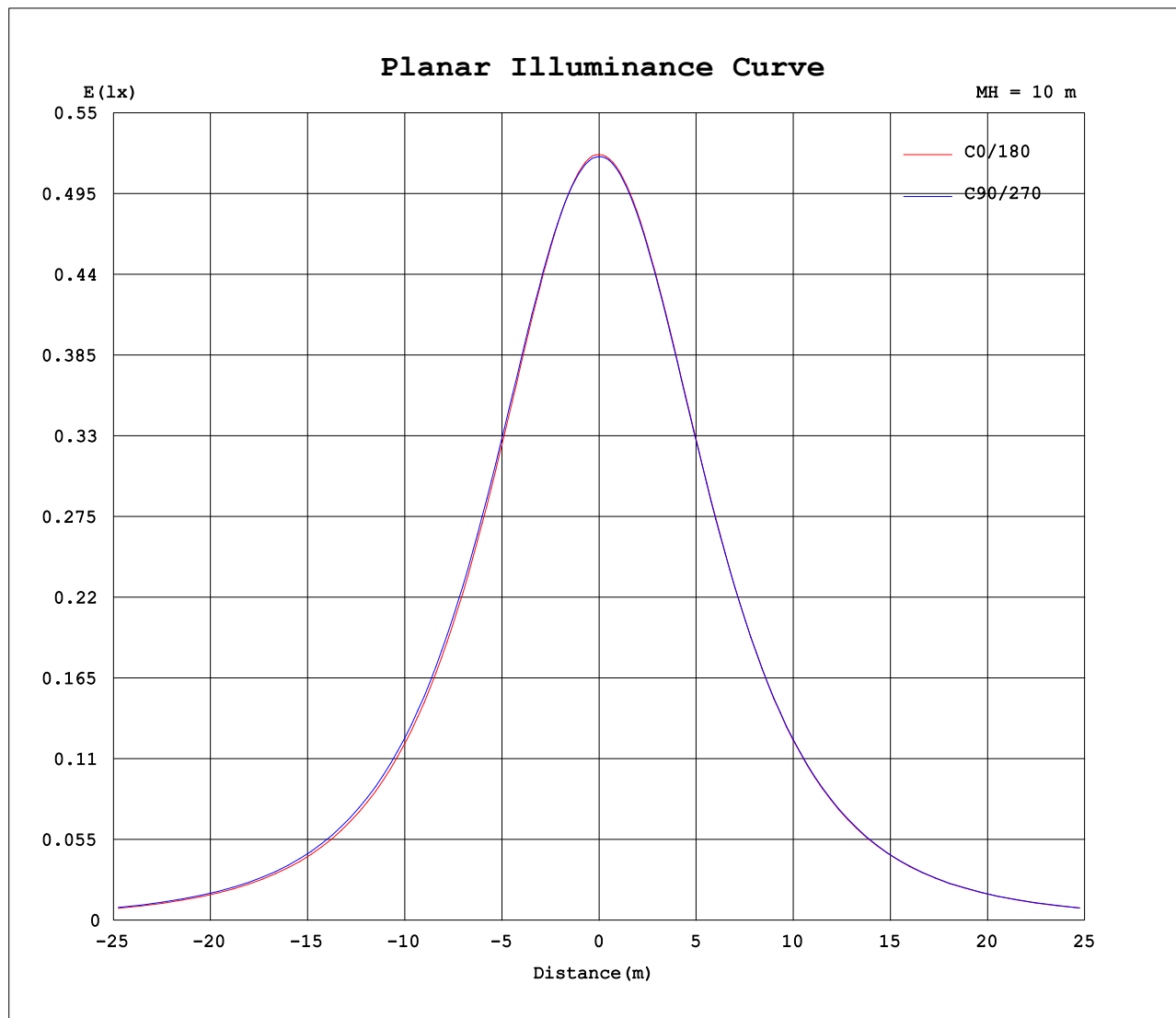
Test:U:24.00V I:0.2244A P:5.385W PF:1.000 Lamp Flux:155.574x1 lm		
NAME: SF09-24V-2835-70-3500k	TYPE: 硅胶	WEIGHT:
DIM.: 16.5mm*8mm	SPEC.:	SERIAL No.:20220829
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:



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:

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:0.2244A P:5.385W PF:1.000 Lamp Flux:155.574x1 lm		
NAME: SF09-24V-2835-70-3500k	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	52.2	52.1	52.0	52.0	52.0	52.0	52.2	52.1	52.0	52.0	52.0	52.0							
5	51.9	51.8	51.8	51.8	51.8	51.8	52.0	51.9	51.8	51.8	51.7	51.7							
10	51.1	51.1	51.1	51.1	51.1	51.1	51.3	51.2	51.2	51.1	51.0	51.0							
15	49.9	49.9	49.9	50.1	50.0	50.0	50.1	50.0	50.0	50.0	49.9	49.7							
20	48.1	48.2	48.3	48.5	48.5	48.5	48.5	48.4	48.5	48.4	48.3	48.0							
25	46.0	46.1	46.3	46.6	46.5	46.5	46.5	46.4	46.5	46.3	46.3	46.0							
30	43.5	43.7	43.9	44.3	44.1	44.1	44.1	43.9	44.1	43.9	43.9	43.5							
35	40.7	40.9	41.1	41.5	41.4	41.3	41.3	41.1	41.3	41.3	41.2	40.7							
40	37.5	37.8	38.0	38.5	38.4	38.3	38.1	38.0	38.3	38.2	38.2	37.6							
45	34.1	34.4	34.7	35.2	35.0	34.9	34.7	34.6	34.9	34.9	34.8	34.2							
50	30.4	30.8	31.2	31.6	31.4	31.2	31.0	30.9	31.2	31.2	31.2	30.6							
55	26.6	27.0	27.4	27.7	27.5	27.2	27.1	27.0	27.3	27.3	27.3	26.7							
60	22.5	23.0	23.4	23.7	23.5	23.2	23.0	22.8	23.2	23.2	23.2	22.7							
65	18.4	18.9	19.3	19.5	19.2	18.9	18.7	18.6	19.0	18.9	19.0	18.5							
70	14.1	14.6	15.1	15.1	14.8	14.5	14.4	14.3	14.6	14.4	14.6	14.1							
75	9.91	10.3	10.8	10.7	10.4	10.1	10.0	9.85	10.1	9.94	10.2	9.76							
80	5.94	6.37	6.74	6.54	6.28	5.90	5.84	5.67	5.89	5.68	6.02	5.74							
85	2.80	3.13	3.46	3.14	2.91	2.47	2.36	2.28	2.35	2.26	2.53	2.49							
90	1.14	1.42	1.95	1.71	1.42	0.75	0.51	0.53	0.57	0.88	0.80	0.87							
95	0.79	1.08	1.80	1.67	1.38	0.61	0.27	0.33	0.56	0.82	0.67	0.57							
100	0.71	1.01	1.78	1.65	1.38	0.65	0.31	0.34	0.59	0.81	0.67	0.51							
105	0.70	1.00	1.77	1.62	1.38	0.68	0.36	0.36	0.63	0.81	0.69	0.50							
110	0.69	1.00	1.74	1.59	1.37	0.72	0.40	0.40	0.66	0.81	0.70	0.50							
115	0.69	1.00	1.69	1.56	1.37	0.76	0.45	0.45	0.69	0.81	0.72	0.50							
120	0.69	1.00	1.62	1.52	1.37	0.80	0.50	0.50	0.71	0.81	0.74	0.51							
125	0.70	1.00	1.53	1.49	1.35	0.83	0.55	0.53	0.73	0.81	0.77	0.54							
130	0.72	1.00	1.44	1.43	1.33	0.87	0.59	0.60	0.76	0.81	0.79	0.58							
135	0.75	1.00	1.36	1.37	1.30	0.90	0.65	0.62	0.80	0.81	0.82	0.62							
140	0.79	1.00	1.28	1.34	1.26	0.93	0.70	0.67	0.82	0.85	0.83	0.66							
145	0.83	1.00	1.23	1.28	1.22	0.96	0.75	0.71	0.85	0.85	0.86	0.70							
150	0.84	1.00	1.20	1.22	1.19	0.98	0.80	0.77	0.87	0.86	0.87	0.75							
155	0.88	0.99	1.17	1.16	1.15	0.98	0.85	0.80	0.89	0.87	0.90	0.79							
160	0.92	0.98	1.13	1.11	1.12	0.99	0.89	0.84	0.92	0.89	0.91	0.84							
165	0.92	0.98	1.08	1.08	1.08	0.99	0.93	0.89	0.95	0.91	0.94	0.86							
170	0.94	0.97	1.04	1.02	1.03	1.00	0.97	0.92	0.97	0.93	0.97	0.91							
175	0.95	0.97	1.01	1.01	1.01	1.00	0.97	0.94	0.98	0.95	1.00	0.93							
180	0.97	0.97	1.01	1.01	1.01	1.01	0.97	0.96	0.98	0.98	1.00	0.95							

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	52.16	52.09	52.05	52.02	51.99	51.96	52.16	52.09	52.05	52.02
3.0	52.10	51.99	51.99	51.94	51.97	51.90	52.10	52.07	51.98	52.00
6.0	51.80	51.72	51.71	51.68	51.71	51.68	51.86	51.83	51.75	51.74
9.0	51.31	51.26	51.26	51.31	51.29	51.28	51.46	51.41	51.35	51.32
12.0	50.67	50.63	50.67	50.73	50.74	50.73	50.88	50.81	50.77	50.72
15.0	49.86	49.86	49.92	50.06	50.03	50.02	50.14	50.04	50.04	49.96
18.0	48.88	48.94	49.00	49.16	49.15	49.10	49.23	49.14	49.14	49.08
21.0	47.76	47.83	47.93	48.15	48.11	48.10	48.16	48.03	48.09	48.00
24.0	46.48	46.62	46.72	47.01	46.93	46.92	46.95	46.87	46.91	46.79
27.0	45.07	45.22	45.37	45.65	45.61	45.55	45.58	45.43	45.56	45.46
30.0	43.51	43.66	43.88	44.25	44.15	44.10	44.07	43.94	44.08	43.94
33.0	41.84	42.08	42.26	42.65	42.56	42.50	42.44	42.35	42.48	42.36
36.0	40.06	40.30	40.52	40.93	40.84	40.74	40.67	40.54	40.74	40.65
39.0	38.15	38.40	38.68	39.12	39.00	38.91	38.80	38.65	38.90	38.86
42.0	36.16	36.49	36.75	37.20	37.06	36.93	36.81	36.72	36.95	36.91
45.0	34.08	34.42	34.74	35.16	35.02	34.90	34.71	34.60	34.88	34.87
48.0	31.92	32.27	32.61	33.06	32.87	32.70	32.52	32.42	32.71	32.69
51.0	29.68	30.06	30.42	30.84	30.64	30.44	30.26	30.14	30.46	30.45
54.0	27.34	27.69	28.15	28.53	28.31	28.03	27.91	27.85	28.12	28.16
57.0	24.96	25.39	25.82	26.16	25.91	25.67	25.51	25.36	25.71	25.70
60.0	22.54	22.99	23.44	23.68	23.46	23.18	23.00	22.82	23.22	23.18
63.0	20.05	20.46	20.99	21.16	20.92	20.57	20.46	20.28	20.68	20.69
66.0	17.53	18.00	18.47	18.60	18.33	18.02	17.88	17.68	18.09	18.03
69.0	14.98	15.45	15.91	15.96	15.69	15.40	15.26	15.09	15.43	15.32
72.0	12.42	12.88	13.35	13.34	13.05	12.72	12.61	12.45	12.75	12.77
75.0	9.906	10.34	10.79	10.75	10.42	10.11	10.01	9.849	10.11	9.944
78.0	7.457	7.919	8.297	8.165	7.870	7.562	7.464	7.330	7.540	7.386
81.0	5.229	5.653	6.013	5.763	5.511	5.160	5.072	4.951	5.107	4.941
84.0	3.314	3.649	4.018	3.719	3.466	3.065	2.963	2.831	2.953	2.846
87.0	1.920	2.219	2.588	2.209	2.000	1.535	1.373	1.281	1.348	1.406
90.0	1.138	1.416	1.951	1.713	1.423	0.7530	0.5111	0.5341	0.5726	0.8750
93.0	0.8751	1.160	1.820	1.678	1.381	0.6692	0.2663	0.3420	0.5528	0.8544
96.0	0.7742	1.070	1.784	1.663	1.380	0.6232	0.2765	0.3342	0.5630	0.8142
99.0	0.7239	1.010	1.780	1.653	1.378	0.6433	0.3016	0.3380	0.5831	0.8091
102.0	0.6986	1.000	1.777	1.643	1.377	0.6635	0.3268	0.3417	0.6082	0.8091
105.0	0.6971	1.000	1.769	1.623	1.375	0.6786	0.3619	0.3598	0.6283	0.8091
108.0	0.6955	1.000	1.754	1.603	1.374	0.7087	0.3870	0.3819	0.6533	0.8091
111.0	0.6940	1.000	1.739	1.583	1.372	0.7338	0.4022	0.4219	0.6585	0.8091
114.0	0.6925	1.000	1.714	1.568	1.371	0.7539	0.4374	0.4372	0.6836	0.8091
117.0	0.6910	1.000	1.679	1.553	1.369	0.7790	0.4675	0.4573	0.6937	0.8091
120.0	0.6895	1.000	1.624	1.518	1.368	0.8042	0.4976	0.5023	0.7087	0.8091
123.0	0.6935	1.000	1.578	1.498	1.358	0.8243	0.5228	0.5226	0.7187	0.8091
126.0	0.7036	1.000	1.513	1.487	1.345	0.8444	0.5479	0.5377	0.7388	0.8091
129.0	0.7236	1.000	1.458	1.437	1.331	0.8695	0.5831	0.5777	0.7589	0.8091
132.0	0.7387	1.000	1.412	1.402	1.312	0.8846	0.6183	0.6031	0.7790	0.8091
135.0	0.7538	1.000	1.357	1.372	1.297	0.9047	0.6485	0.6181	0.7992	0.8141
138.0	0.7739	1.000	1.312	1.342	1.272	0.9147	0.6785	0.6532	0.8193	0.8443
141.0	0.7940	1.000	1.267	1.317	1.247	0.9398	0.7037	0.6784	0.8393	0.8464
144.0	0.8240	1.000	1.237	1.287	1.231	0.9599	0.7289	0.7036	0.8494	0.8486
147.0	0.8343	1.000	1.216	1.251	1.211	0.9701	0.7740	0.7637	0.8620	0.8544
150.0	0.8443	1.000	1.201	1.216	1.186	0.9807	0.8042	0.7689	0.8742	0.8604
153.0	0.8644	0.9911	1.181	1.176	1.166	0.9823	0.8294	0.7890	0.8857	0.8658
156.0	0.8845	0.9844	1.156	1.151	1.141	0.9840	0.8545	0.8141	0.8946	0.8744
159.0	0.9146	0.9823	1.136	1.126	1.121	0.9856	0.8846	0.8343	0.9147	0.8895
162.0	0.9217	0.9802	1.111	1.095	1.101	0.9873	0.8998	0.8593	0.9249	0.9096
165.0	0.9247	0.9782	1.081	1.075	1.081	0.9890	0.9299	0.8894	0.9500	0.9147
168.0	0.9398	0.9761	1.051	1.025	1.050	0.9901	0.9551	0.9117	0.9650	0.9233
171.0	0.9459	0.9741	1.030	1.020	1.020	0.9991	0.9700	0.9225	0.9725	0.9319
174.0	0.9548	0.9720	1.010	1.015	1.013	1.003	0.9700	0.9347	0.9762	0.9447
177.0	0.9549	0.9700	1.010	1.010	1.010	1.005	0.9700	0.9548	0.9800	0.9598
180.0	0.9700	0.9700	1.010	1.010	1.010	1.005	0.9700	0.9599	0.9800	0.9800
G/C	300.0	330.0								
0.0	51.99	51.96								
3.0	51.89	51.90								
6.0	51.64	51.62								
9.0	51.21	51.16								
12.0	50.63	50.51								
15.0	49.89	49.71								
18.0	48.99	48.76								
21.0	47.94	47.64								
24.0	46.75	46.45								
27.0	45.41	44.99								
30.0	43.95	43.50								

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:

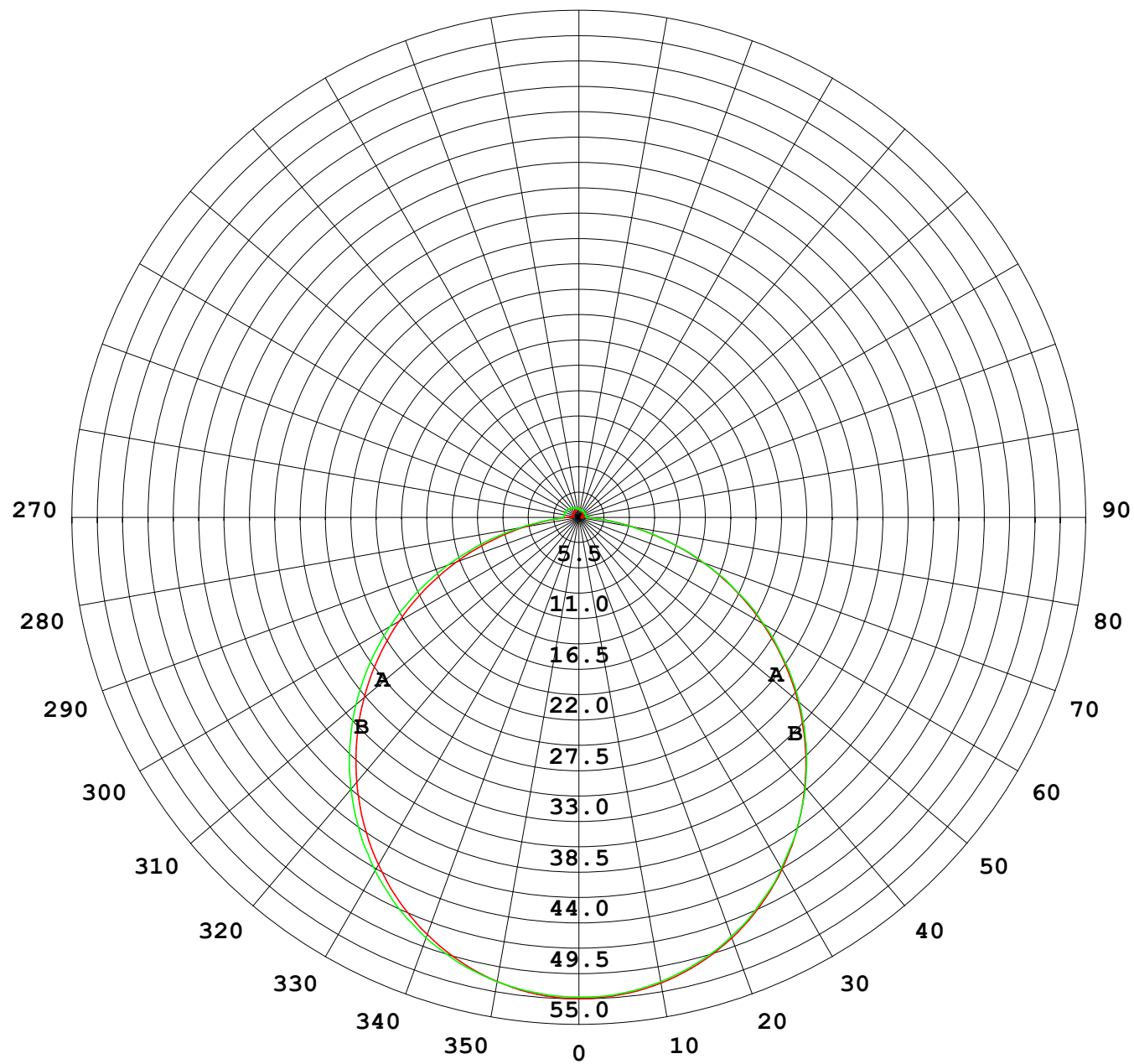
Photometric Data Table [cd]

33.0	42.36	41.89
36.0	40.62	40.09
39.0	38.79	38.20
42.0	36.84	36.29
45.0	34.79	34.18
48.0	32.64	32.00
51.0	30.42	29.76
54.0	28.10	27.52
57.0	25.72	24.98
60.0	23.23	22.66
63.0	20.70	20.04
66.0	18.13	17.58
69.0	15.49	15.04
72.0	12.83	12.38
75.0	10.21	9.758
78.0	7.650	7.404
81.0	5.248	5.006
84.0	3.129	3.052
87.0	1.560	1.652
90.0	0.7982	0.8709
93.0	0.6728	0.6337
96.0	0.6712	0.5580
99.0	0.6695	0.5177
102.0	0.6726	0.5026
105.0	0.6852	0.5026
108.0	0.6936	0.5026
111.0	0.7036	0.5026
114.0	0.7177	0.5025
117.0	0.7298	0.5025
120.0	0.7442	0.5076
123.0	0.7539	0.5226
126.0	0.7739	0.5378
129.0	0.7841	0.5579
132.0	0.8042	0.5990
135.0	0.8192	0.6170
138.0	0.8243	0.6432
141.0	0.8493	0.6684
144.0	0.8554	0.6885
147.0	0.8645	0.7236
150.0	0.8745	0.7539
153.0	0.8896	0.7738
156.0	0.8997	0.8040
159.0	0.9097	0.8393
162.0	0.9248	0.8543
165.0	0.9399	0.8644
168.0	0.9549	0.8996
171.0	0.9751	0.9179
174.0	0.9901	0.9305
177.0	0.9951	0.9398
180.0	0.9951	0.9499

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

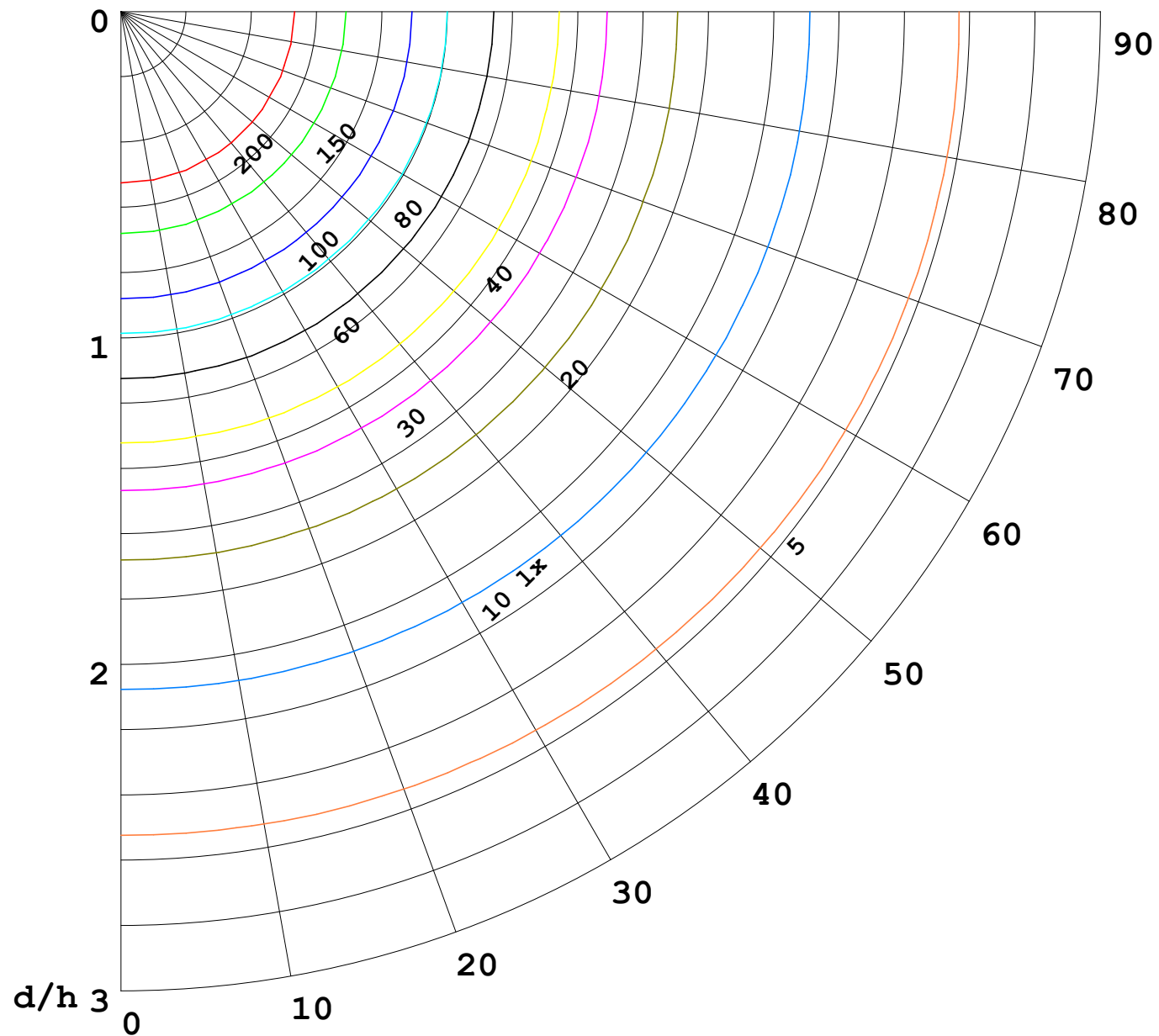
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

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

