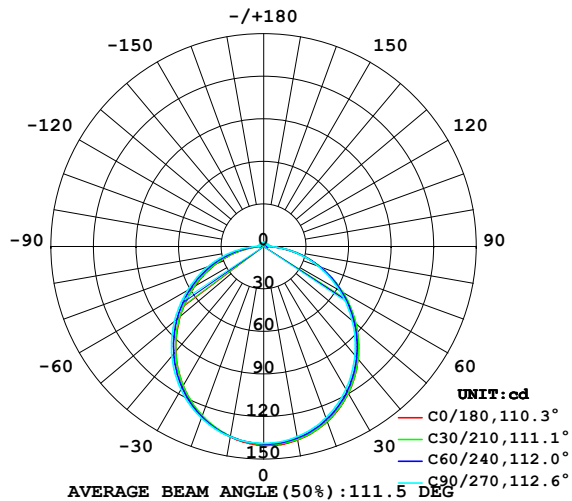


LUMINAIRE PHOTOMETRIC TEST REPORT

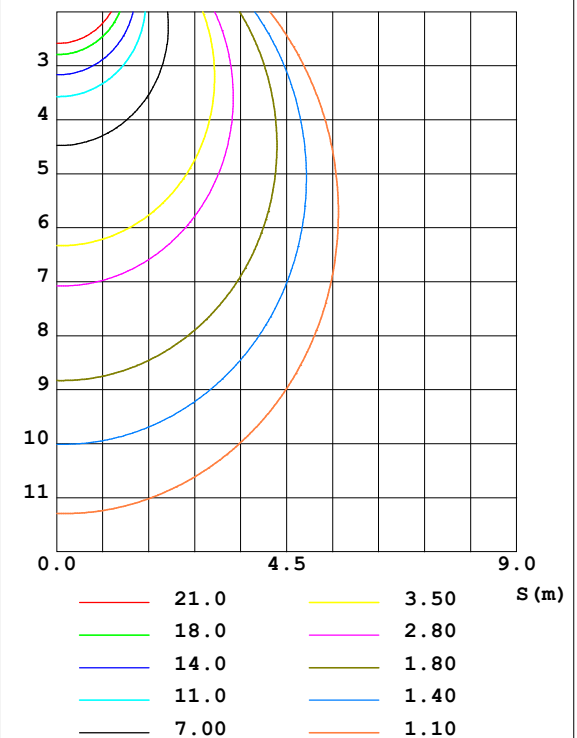
Test:U:24.00V I:0.5180A P:12.43W PF:1.000 Lamp Flux:415.94x1 lm		
NAME: SF15-24V-5050-72-U2-3500K	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202311003
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 33.46 lm/W			
MODEL	5050	I _{max} (cd)	140.4	S/MH (C0/180)	1.27
NOMINAL POWER (W)	13	LOR (%)	100.0	S/MH (C90/270)	1.24
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	415.94	η UP, DN (C0-180)	1.8, 48.4
NOMINAL FLUX (lm)	415.94	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.8, 48.0
LAMPS INSIDE	1	η up (%)	3.6	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	24	η down (%)	96.4	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



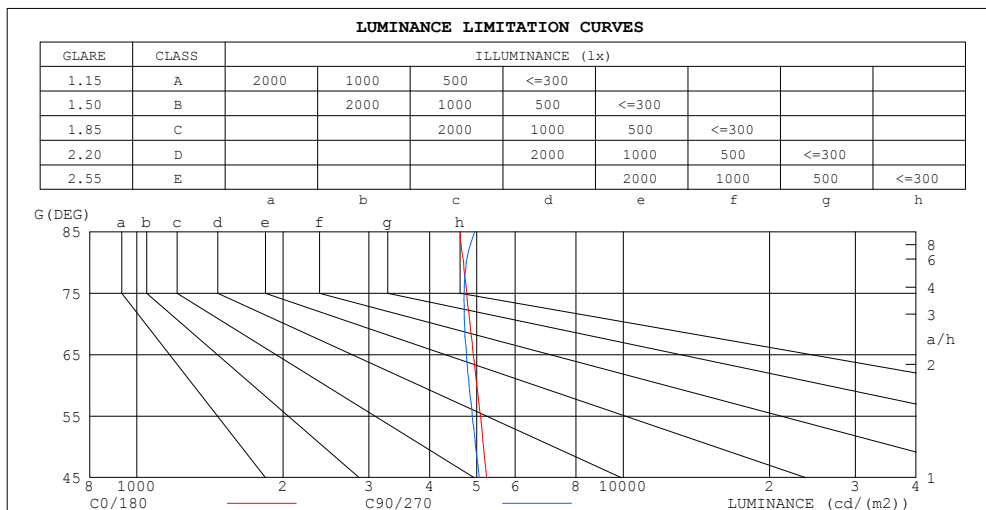
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: WFW
Test Date: 2023-11-16

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	138.6	137.7	136.2	134.9	136.4	135.9	136.3	136.6	0- 10	13.15	13.15	3.16,3.16
20	131.4	130.5	128.5	126.3	127.2	127.4	128.7	129.7	10- 20	37.57	50.73	12.2,12.2
30	119.6	118.6	116.1	113.2	113.7	114.3	116.6	118.1	20- 30	56.64	107.4	25.8,25.8
40	103.6	102.8	100.3	96.46	96.45	97.70	100.8	102.6	30- 40	67.86	175.2	42.1,42.1
50	84.64	84.29	81.51	77.37	76.94	78.66	82.35	84.09	40- 50	70.08	245.3	59,59
60	63.79	63.85	61.51	57.12	56.29	58.32	62.13	63.89	50- 60	63.58	308.9	74.3,74.3
70	42.21	42.58	41.15	36.63	35.44	37.81	41.98	42.96	60- 70	49.93	358.8	86.3,86.3
80	20.80	21.33	21.07	16.39	15.09	17.56	21.96	22.10	70- 80	31.37	390.2	93.8,93.8
90	2.640	2.748	3.960	2.232	1.219	2.634	3.830	3.097	80- 90	10.88	401.1	96.4,96.4
100	1.407	2.048	3.472	2.206	1.025	2.455	3.428	1.847	90-100	2.491	403.6	97,97
110	1.628	2.171	3.106	2.302	1.247	2.503	3.272	1.955	100-110	2.358	405.9	97.6,97.6
120	1.824	2.252	2.890	2.377	1.503	2.560	3.076	2.050	110-120	2.271	408.2	98.1,98.1
130	2.035	2.350	2.769	2.440	1.764	2.578	2.960	2.166	120-130	2.104	410.3	98.6,98.6
140	2.221	2.420	2.714	2.503	2.036	2.601	2.905	2.289	130-140	1.874	412.2	99.1,99.1
150	2.402	2.498	2.689	2.558	2.292	2.641	2.850	2.412	140-150	1.569	413.7	99.5,99.5
160	2.538	2.568	2.679	2.631	2.513	2.674	2.799	2.530	150-160	1.191	414.9	99.8,99.8
170	2.684	2.679	2.744	2.699	2.684	2.701	2.754	2.613	160-170	0.7506	415.7	99.9,99.9
180	2.724	2.737	2.749	2.701	2.729	2.731	2.734	2.716	170-180	0.2580	415.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4635	4952
80	4698	4759
75	4769	4713
70	4840	4718
65	4919	4763
60	5003	4824
55	5088	4896
50	5164	4973
45	5236	5058

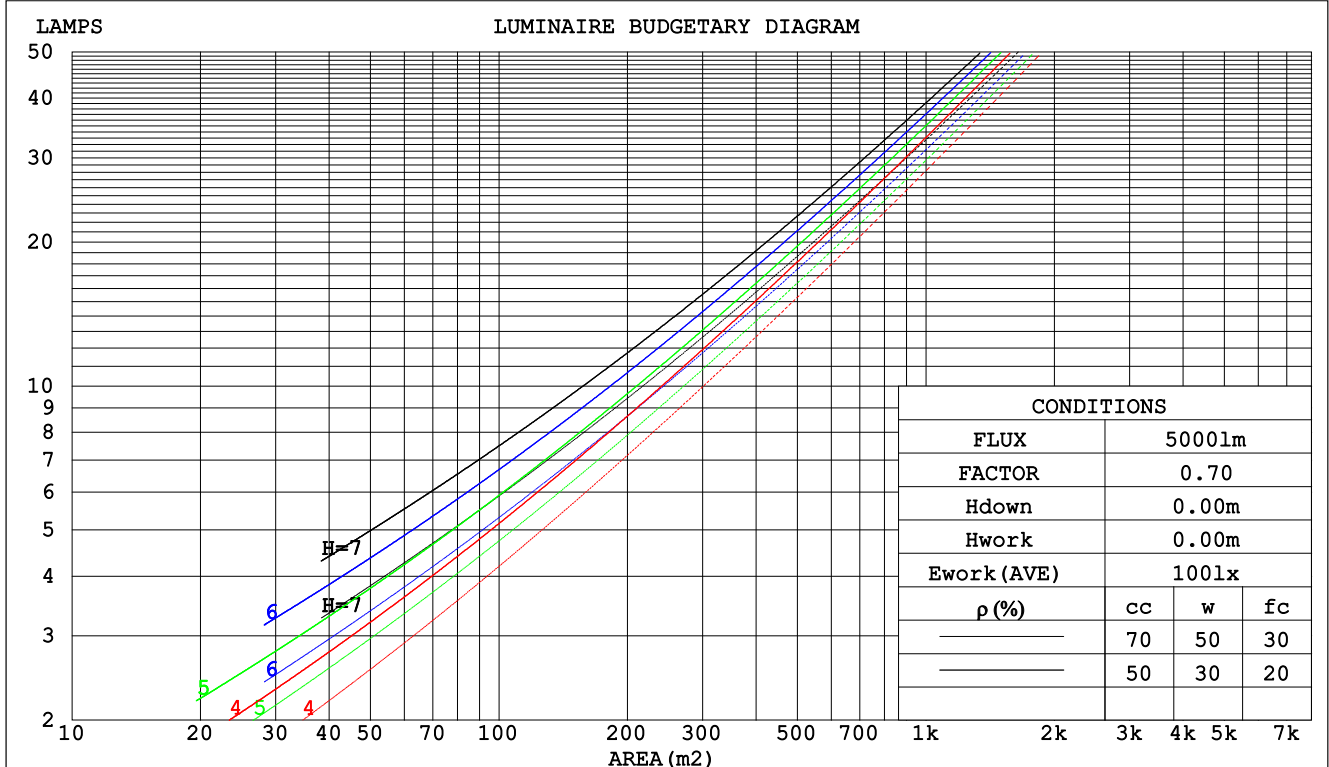
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2023-11-16

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:0.5180A P:12.43W PF:1.000 Lamp Flux:415.94x1 lm		
NAME: SF15-24V-5050-72-U2-3500K	TYPE:硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202311003
MFR.: OLYMPIA	SUR.:1.0*0.0115	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			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	1.02	.98	.94	.90	.96	.92	.95	.92	.89	.90	.88	.85	.86	.84	.82	.80
2.0	.89	.82	.76	.87	.80	.75	.83	.77	.73	.79	.74	.70	.75	.72	.68	.66
3.0	.78	.70	.63	.76	.68	.62	.73	.66	.61	.69	.64	.59	.66	.62	.58	.55
4.0	.69	.60	.53	.67	.59	.53	.64	.57	.52	.62	.55	.50	.59	.54	.49	.47
5.0	.62	.52	.46	.60	.52	.45	.58	.50	.45	.55	.49	.44	.53	.47	.43	.41
6.0	.55	.46	.40	.54	.46	.40	.52	.45	.39	.50	.43	.38	.48	.42	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.47	.40	.34	.46	.39	.34	.44	.38	.33	.31
8.0	.46	.37	.31	.45	.37	.31	.43	.36	.31	.42	.35	.30	.40	.34	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.37	.31	.27	.25
10.0	.39	.31	.26	.38	.31	.25	.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:2023-11-16

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:0.5180A P:12.43W PF:1.000 Lamp Flux:415.94x1 lm		
NAME: SF15-24V-5050-72-U2-3500K	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202311003
MFR.: OLYMPIA	SUR.:1.0*0.0115	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	.320	.182	.058	.312	.178	.057	.297	.170	.054	.283	.163	.052	.270	.156	.050	
2.0	.297	.163	.050	.290	.160	.049	.276	.154	.048	.264	.148	.046	.252	.143	.045	
3.0	.273	.145	.044	.267	.143	.043	.255	.138	.042	.243	.133	.041	.233	.129	.040	
4.0	.251	.130	.038	.245	.128	.038	.234	.124	.037	.224	.121	.036	.215	.117	.036	
5.0	.231	.118	.034	.226	.116	.034	.217	.113	.033	.208	.110	.033	.199	.106	.032	
6.0	.214	.107	.031	.210	.106	.030	.201	.103	.030	.193	.100	.029	.185	.098	.029	
7.0	.199	.098	.028	.195	.097	.028	.187	.095	.027	.180	.092	.027	.173	.090	.026	
8.0	.186	.091	.026	.182	.090	.025	.175	.087	.025	.168	.085	.025	.162	.083	.024	
9.0	.174	.084	.023	.171	.083	.023	.164	.081	.023	.158	.079	.023	.152	.077	.022	
10.0	.163	.078	.022	.160	.077	.022	.155	.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	.218	.218	.218	.186	.186	.186	.127	.127	.127	.073	.073	.073	.023	.023	.023	
1.0	.208	.184	.161	.178	.157	.139	.122	.108	.096	.070	.063	.056	.022	.020	.018	
2.0	.201	.160	.125	.172	.137	.108	.118	.095	.075	.068	.055	.044	.022	.018	.014	
3.0	.193	.142	.102	.165	.123	.088	.114	.085	.062	.066	.050	.036	.021	.016	.012	
4.0	.185	.129	.086	.159	.111	.075	.109	.078	.053	.063	.045	.031	.020	.015	.010	
5.0	.178	.119	.075	.153	.103	.065	.105	.072	.046	.061	.042	.027	.020	.014	.009	
6.0	.171	.110	.067	.147	.096	.058	.101	.067	.041	.059	.039	.025	.019	.013	.008	
7.0	.164	.104	.061	.141	.090	.053	.097	.063	.038	.057	.037	.023	.018	.012	.007	
8.0	.157	.098	.057	.135	.085	.050	.094	.060	.035	.054	.035	.021	.018	.012	.007	
9.0	.151	.093	.053	.130	.081	.047	.090	.057	.033	.053	.033	.020	.017	.011	.007	
10.0	.145	.089	.051	.125	.077	.044	.087	.054	.031	.051	.032	.019	.016	.011	.006	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WFW
 Test Date:2023-11-16

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:0.5180A P:12.43W PF:1.000 Lamp Flux:415.94x1 lm										
NAME: SF15-24V-5050-72-U2-3500K						TYPE:硅胶		WEIGHT:		
DIM.: 21MM*11.5MM						SPEC.:		SERIAL No.:202311003		
MFR.: OLYMPIA						SUR.:1.0*0.0115		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	18.5	19.9	18.8	20.2	20.5	18.3	19.8	18.6	20.1	20.3
3H	20.1	21.5	20.5	21.8	22.1	20.0	21.3	20.3	21.6	21.9
4H	20.9	22.2	21.2	22.5	22.8	20.7	22.0	21.1	22.3	22.7
6H	21.4	22.7	21.8	23.0	23.4	21.3	22.6	21.7	22.9	23.2
8H	21.7	22.9	22.1	23.2	23.6	21.6	22.8	22.0	23.1	23.5
12H	21.8	23.0	22.2	23.3	23.7	21.8	22.9	22.2	23.3	23.6
4H 2H	19.1	20.4	19.5	20.7	21.1	19.0	20.3	19.3	20.6	20.9
3H	21.0	22.1	21.4	22.5	22.8	20.8	22.0	21.2	22.3	22.7
4H	21.8	22.9	22.3	23.3	23.7	21.7	22.8	22.2	23.2	23.6
6H	22.6	23.5	23.0	23.9	24.4	22.5	23.4	22.9	23.8	24.3
8H	22.9	23.7	23.3	24.2	24.6	22.8	23.7	23.3	24.1	24.6
12H	23.1	23.9	23.6	24.3	24.8	23.0	23.8	23.5	24.3	24.8
8H 4H	22.2	23.0	22.6	23.5	23.9	22.1	22.9	22.5	23.4	23.8
6H	23.1	23.8	23.6	24.3	24.8	23.0	23.7	23.5	24.2	24.7
8H	23.5	24.1	24.0	24.6	25.1	23.4	24.1	24.0	24.6	25.1
12H	23.8	24.4	24.4	24.9	25.4	23.8	24.4	24.3	24.9	25.4
12H 4H	22.2	23.0	22.7	23.4	23.9	22.1	22.9	22.6	23.3	23.8
6H	23.2	23.8	23.7	24.3	24.8	23.1	23.8	23.6	24.2	24.8
8H	23.6	24.2	24.2	24.7	25.3	23.6	24.1	24.1	24.7	25.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 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 415.9 lm Total Lamp Luminous Flux. (8log(F/F0) = -3.0)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2023-11-16

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:0.5180A P:12.43W PF:1.000 Lamp Flux:415.94x1 lm		
NAME: SF15-24V-5050-72-U2-3500K	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202311003
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

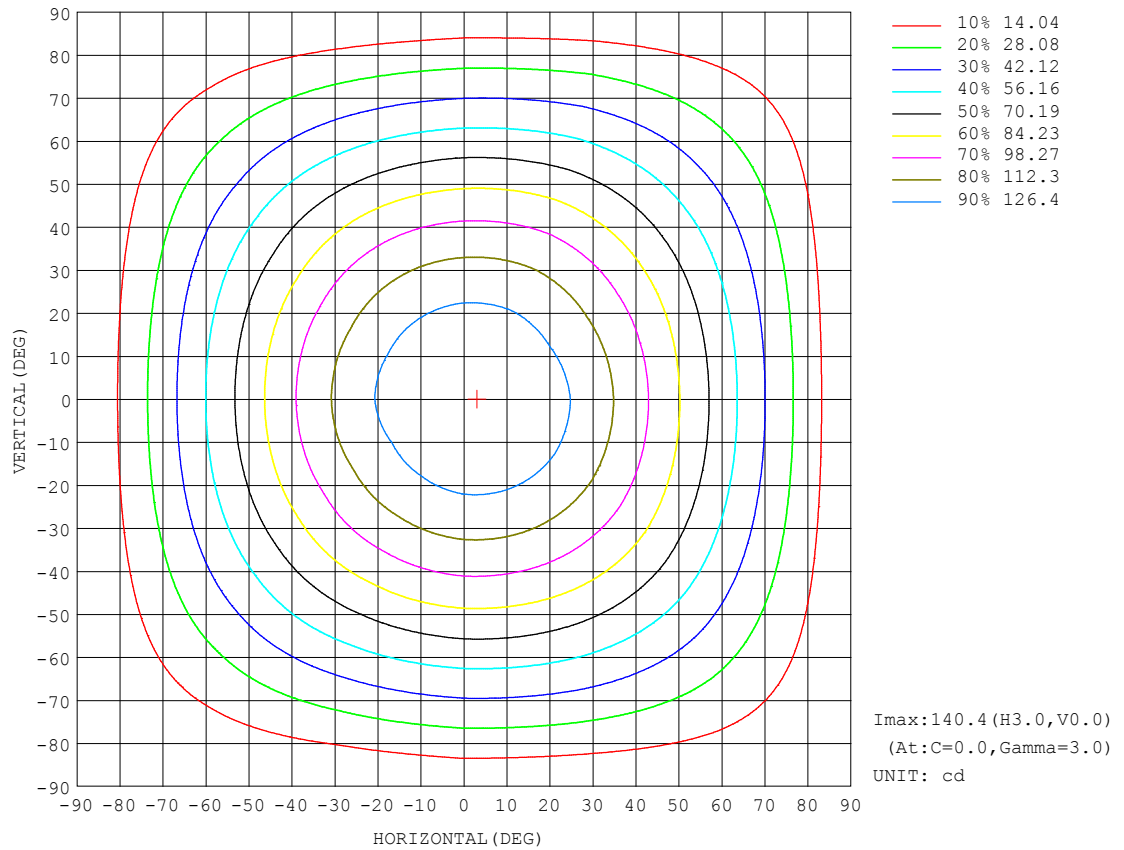
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	44	37	55	44	37	54	43	37	30
0.80	66	54	47	65	54	46	63	53	46	39
1.00	74	63	55	73	62	55	70	63	54	47
1.25	81	70	63	80	70	63	76	68	62	54
1.50	86	76	69	84	75	68	81	73	67	59
2.00	93	84	78	91	83	77	87	80	75	66
2.50	97	89	83	95	87	82	90	84	79	70
3.00	101	93	88	98	92	86	93	88	84	74
4.00	105	99	94	102	97	92	97	93	89	79
5.00	107	102	98	104	100	96	99	96	92	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: 2023-11-16

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:0.5180A P:12.43W PF:1.000 Lamp Flux:415.94x1 lm		
NAME: SF15-24V-5050-72-U2-3500K	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202311003
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

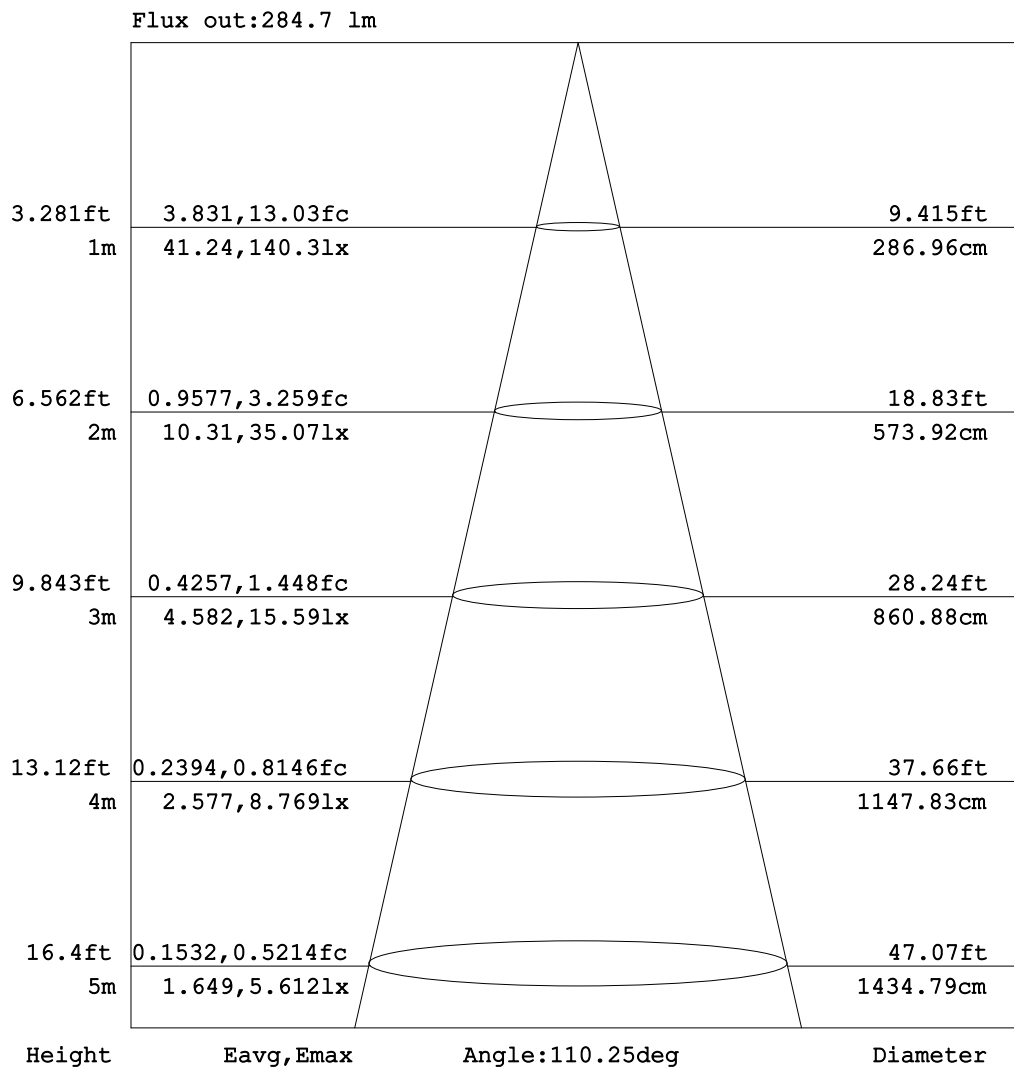


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2023-11-16

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:0.5180A P:12.43W PF:1.000 Lamp Flux:415.94x1 lm		
NAME: SF15-24V-5050-72-U2-3500K	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202311003
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:



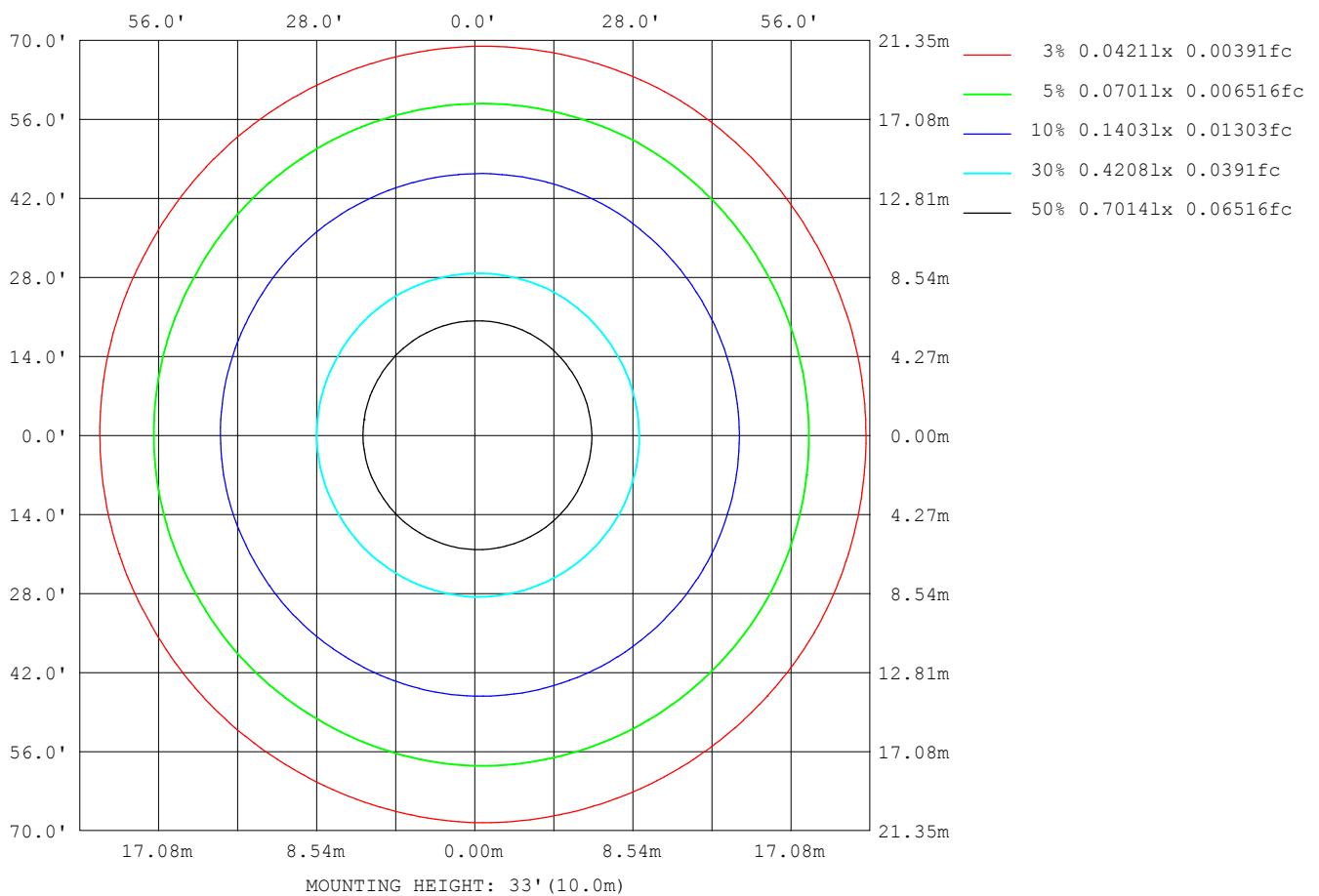
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2023-11-16

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

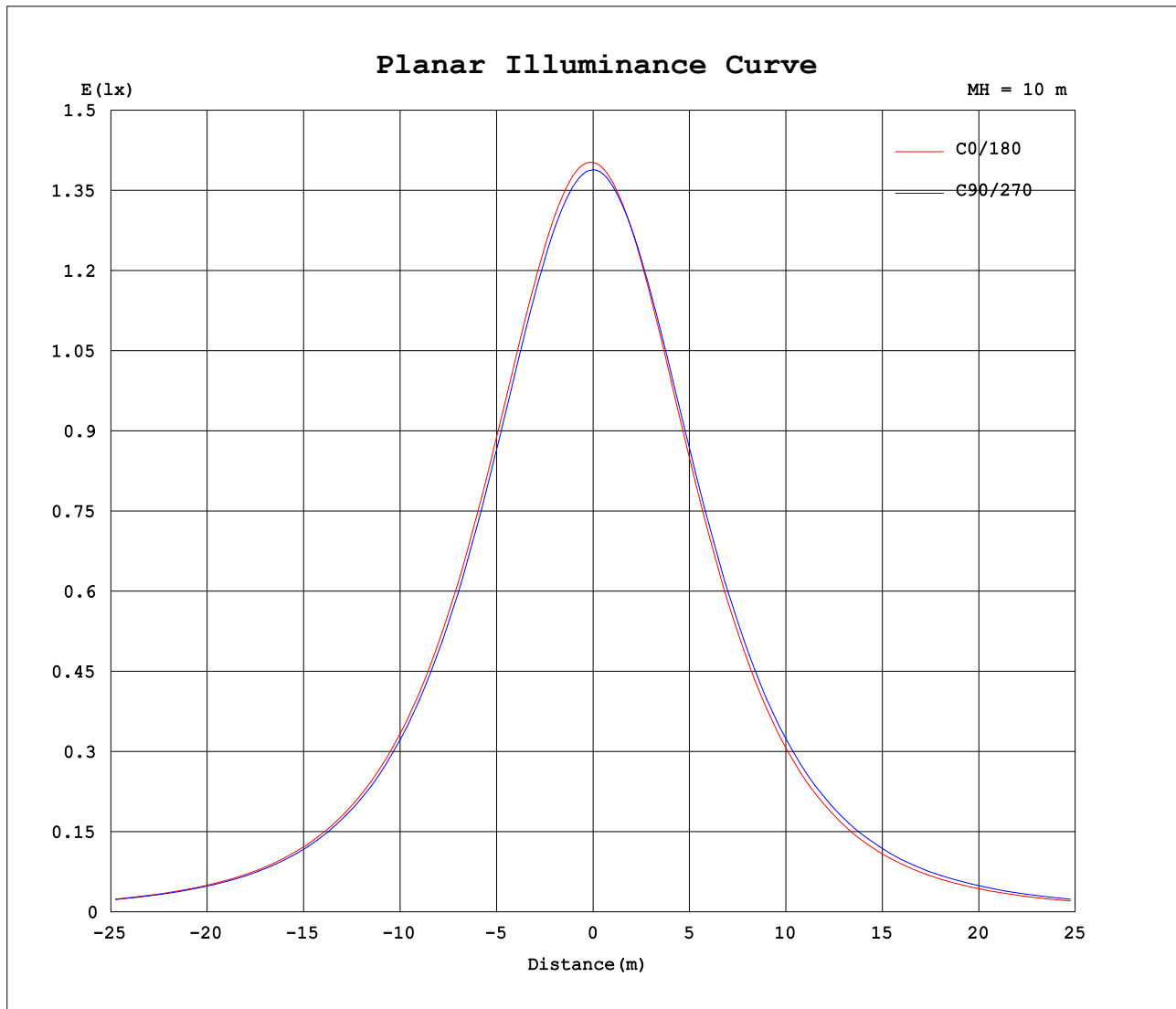
Test:U:24.00V I:0.5180A P:12.43W PF:1.000 Lamp Flux:415.94x1 lm		
NAME: SF15-24V-5050-72-U2-3500K	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202311003
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
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 Test Date:2023-11-16

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: 2023-11-16

γ Range: 0 - 180DEG
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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:0.5180A P:12.43W PF:1.000 Lamp Flux:415.94x1 lm		
NAME: SF15-24V-5050-72-U2-3500K	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202311003
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	140	140	139	139	139	138	140	140	139	139	139	138						
5	140	140	139	138	138	137	139	138	138	138	138	138						
10	139	138	137	136	135	135	136	136	136	136	137	137						
15	136	135	134	133	132	131	132	132	133	133	134	134						
20	131	131	130	128	127	126	127	127	128	129	130	130						
25	126	126	124	123	121	120	121	121	122	123	124	124						
30	120	119	118	116	114	113	114	113	115	117	118	118						
35	112	112	110	108	106	105	105	105	107	109	111	111						
40	104	104	102	100	97.2	95.7	96.5	96.6	98.8	101	103	102						
45	94.4	94.6	93.0	91.2	88.0	86.3	86.9	87.3	89.5	91.9	93.7	93.5						
50	84.6	85.2	83.4	81.5	78.3	76.5	76.9	77.5	79.9	82.3	84.2	83.9						
55	74.4	74.7	73.5	71.6	68.3	66.4	66.6	67.3	69.9	72.4	74.3	73.9						
60	63.8	64.4	63.3	61.5	58.1	56.1	56.3	57.0	59.6	62.1	64.2	63.6						
65	53.0	53.7	52.8	51.3	47.8	45.8	45.8	46.7	49.4	52.1	53.8	53.0						
70	42.2	42.8	42.3	41.1	37.6	35.6	35.4	36.4	39.3	42.0	43.5	42.4						
75	31.5	32.1	31.8	31.1	27.5	25.5	25.1	26.2	29.1	31.9	33.1	31.9						
80	20.8	21.4	21.3	21.1	17.3	15.4	15.1	16.1	19.0	22.0	22.8	21.4						
85	10.3	10.8	10.6	11.0	7.43	6.57	6.28	7.14	9.12	12.0	12.3	11.0						
90	2.64	2.84	2.65	3.96	2.60	1.86	1.22	2.18	3.09	3.83	3.49	2.70						
95	1.39	1.66	2.31	3.68	2.57	1.81	1.01	2.00	2.95	3.65	2.57	1.08						
100	1.41	1.74	2.35	3.47	2.57	1.84	1.03	1.97	2.95	3.43	2.61	1.09						
105	1.52	1.83	2.39	3.25	2.59	1.92	1.13	2.00	2.95	3.35	2.63	1.18						
110	1.63	1.91	2.43	3.11	2.60	2.01	1.25	2.07	2.94	3.27	2.63	1.28						
115	1.72	1.98	2.45	3.01	2.60	2.08	1.37	2.13	2.93	3.16	2.63	1.40						
120	1.82	2.05	2.46	2.89	2.61	2.15	1.50	2.20	2.92	3.08	2.60	1.50						
125	1.92	2.11	2.48	2.82	2.61	2.21	1.62	2.25	2.88	3.01	2.60	1.61						
130	2.04	2.18	2.52	2.77	2.61	2.27	1.76	2.31	2.85	2.96	2.60	1.73						
135	2.13	2.23	2.54	2.72	2.61	2.33	1.90	2.38	2.82	2.93	2.60	1.87						
140	2.22	2.30	2.54	2.71	2.61	2.39	2.04	2.41	2.79	2.90	2.60	1.98						
145	2.31	2.39	2.54	2.70	2.62	2.45	2.17	2.45	2.78	2.87	2.61	2.10						
150	2.40	2.46	2.54	2.69	2.62	2.50	2.29	2.50	2.78	2.85	2.62	2.20						
155	2.47	2.52	2.54	2.68	2.62	2.57	2.41	2.55	2.77	2.82	2.64	2.30						
160	2.54	2.58	2.55	2.68	2.62	2.64	2.51	2.59	2.75	2.80	2.66	2.40						
165	2.61	2.65	2.61	2.70	2.64	2.70	2.62	2.62	2.75	2.78	2.68	2.48						
170	2.68	2.70	2.65	2.74	2.69	2.71	2.68	2.65	2.75	2.75	2.68	2.54						
175	2.70	2.74	2.69	2.75	2.69	2.71	2.73	2.69	2.75	2.74	2.70	2.61						
180	2.72	2.75	2.72	2.75	2.69	2.71	2.73	2.71	2.75	2.73	2.73	2.70						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2023-11-16

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	140.3	139.7	139.2	138.9	138.5	138.2	140.3	139.7	139.2	138.9
3.0	140.4	139.8	139.2	138.6	138.1	137.7	139.7	139.1	138.8	138.6
6.0	140.0	139.4	138.7	137.9	137.1	136.6	138.6	138.0	137.9	137.9
9.0	139.0	138.6	137.6	136.7	135.7	135.1	137.0	136.4	136.6	136.8
12.0	137.6	137.2	136.1	135.1	133.9	133.2	135.0	134.4	134.8	135.2
15.0	135.6	135.4	134.1	133.0	131.5	130.8	132.5	131.9	132.6	133.1
18.0	133.3	133.0	131.7	130.5	128.8	127.9	129.4	129.1	129.9	130.6
21.0	130.4	130.2	128.8	127.5	125.6	124.6	126.1	125.7	126.7	127.7
24.0	127.3	126.9	125.6	124.1	122.0	121.0	122.3	122.1	123.3	124.4
27.0	123.6	123.3	121.9	120.3	118.1	116.9	118.1	118.0	119.3	120.7
30.0	119.6	119.3	117.9	116.1	113.8	112.6	113.7	113.5	115.1	116.6
33.0	115.1	114.9	113.5	111.7	109.1	107.8	108.8	108.8	110.5	112.2
36.0	110.4	110.2	108.8	106.9	104.2	102.7	103.7	103.7	105.7	107.6
39.0	105.4	105.3	103.8	101.9	99.02	97.52	98.37	98.50	100.5	102.5
42.0	100.0	100.0	98.49	96.68	93.60	92.02	92.84	93.02	95.13	97.17
45.0	94.42	94.62	93.03	91.20	87.99	86.31	86.90	87.33	89.52	91.86
48.0	88.61	88.91	87.33	85.46	82.20	80.48	80.92	81.30	83.79	85.94
51.0	82.63	83.16	81.46	79.65	76.30	74.48	74.89	75.29	77.88	80.28
54.0	76.49	76.78	75.53	73.59	70.30	68.38	68.71	69.32	71.87	74.21
57.0	70.19	70.81	69.42	67.65	64.24	62.33	62.44	62.92	65.80	68.25
60.0	63.79	64.42	63.29	61.51	58.12	56.12	56.29	57.00	59.64	62.13
63.0	57.38	57.93	57.06	55.35	51.96	49.93	49.93	50.63	53.49	56.15
66.0	50.86	51.52	50.69	49.32	45.78	43.83	43.68	44.51	47.39	50.10
69.0	44.38	44.98	44.40	43.17	39.67	37.64	37.52	38.45	41.26	44.00
72.0	37.91	38.40	38.11	37.11	33.58	31.50	31.26	32.19	35.19	37.99
75.0	31.48	32.05	31.78	31.10	27.45	25.49	25.11	26.18	29.14	31.91
78.0	25.03	25.61	25.44	25.08	21.40	19.39	19.06	20.19	23.14	25.88
81.0	18.65	19.26	19.14	19.08	15.29	13.46	13.20	14.17	17.04	19.97
84.0	12.32	12.79	12.76	13.07	9.237	8.157	7.871	8.722	11.02	13.99
87.0	6.489	6.907	6.492	6.998	4.354	3.797	3.477	4.370	5.786	7.919
90.0	2.640	2.844	2.652	3.960	2.604	1.859	1.219	2.179	3.090	3.830
93.0	1.534	1.718	2.317	3.774	2.578	1.809	1.010	2.025	2.950	3.759
96.0	1.382	1.684	2.312	3.648	2.573	1.809	1.010	1.985	2.945	3.614
99.0	1.397	1.729	2.337	3.523	2.573	1.819	1.020	1.965	2.945	3.463
102.0	1.457	1.784	2.367	3.362	2.583	1.870	1.061	1.965	2.945	3.387
105.0	1.523	1.830	2.387	3.246	2.593	1.920	1.126	2.000	2.945	3.352
108.0	1.573	1.880	2.412	3.166	2.593	1.970	1.206	2.045	2.945	3.307
111.0	1.643	1.920	2.452	3.091	2.598	2.020	1.272	2.086	2.935	3.247
114.0	1.718	1.970	2.453	3.015	2.598	2.061	1.347	2.121	2.935	3.181
117.0	1.764	2.005	2.453	2.950	2.608	2.101	1.428	2.156	2.930	3.121
120.0	1.824	2.046	2.458	2.890	2.608	2.146	1.503	2.201	2.920	3.076
123.0	1.890	2.086	2.473	2.845	2.608	2.181	1.583	2.231	2.885	3.031
126.0	1.965	2.126	2.488	2.804	2.608	2.221	1.654	2.271	2.880	2.995
129.0	2.005	2.161	2.518	2.769	2.608	2.262	1.734	2.292	2.864	2.965
132.0	2.060	2.201	2.533	2.764	2.608	2.297	1.815	2.322	2.855	2.945
135.0	2.126	2.232	2.543	2.724	2.613	2.332	1.900	2.377	2.819	2.930
138.0	2.191	2.282	2.538	2.714	2.613	2.372	1.980	2.387	2.804	2.905
141.0	2.236	2.322	2.538	2.709	2.618	2.407	2.061	2.422	2.789	2.895
144.0	2.287	2.367	2.538	2.714	2.618	2.433	2.141	2.443	2.779	2.880
147.0	2.357	2.418	2.538	2.694	2.618	2.473	2.217	2.478	2.779	2.870
150.0	2.402	2.458	2.538	2.689	2.618	2.498	2.292	2.503	2.779	2.850
153.0	2.448	2.493	2.538	2.679	2.618	2.543	2.357	2.528	2.769	2.835
156.0	2.483	2.533	2.538	2.679	2.618	2.588	2.428	2.558	2.764	2.819
159.0	2.533	2.568	2.553	2.679	2.623	2.629	2.493	2.578	2.754	2.799
162.0	2.568	2.609	2.573	2.679	2.623	2.659	2.563	2.608	2.754	2.794
165.0	2.613	2.649	2.608	2.699	2.638	2.699	2.619	2.618	2.749	2.779
168.0	2.648	2.689	2.633	2.724	2.674	2.709	2.654	2.639	2.749	2.769
171.0	2.689	2.714	2.669	2.744	2.689	2.709	2.704	2.659	2.749	2.754
174.0	2.694	2.739	2.689	2.749	2.694	2.709	2.729	2.689	2.749	2.739
177.0	2.709	2.749	2.704	2.749	2.694	2.709	2.729	2.694	2.749	2.734
180.0	2.724	2.754	2.719	2.749	2.694	2.709	2.729	2.714	2.749	2.734
G/C	300.0	330.0								
0.0	138.5	138.2								
3.0	138.4	138.3								
6.0	137.9	137.9								
9.0	137.0	137.0								
12.0	135.6	135.6								
15.0	133.8	133.8								
18.0	131.5	131.5								
21.0	128.7	128.7								
24.0	125.6	125.5								
27.0	122.0	122.0								
30.0	118.1	118.1								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: WFW
 Test Date: 2023-11-16

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:

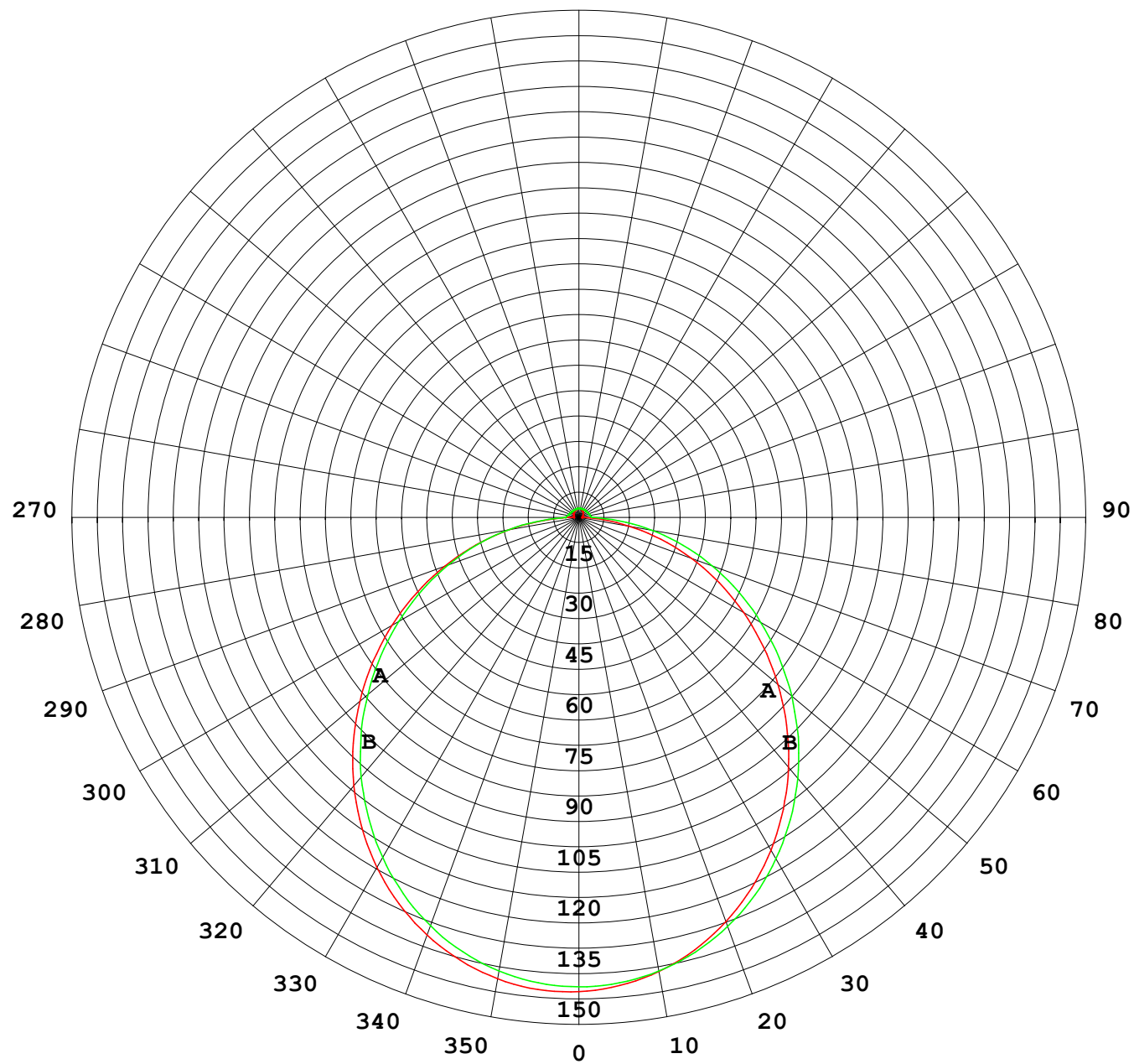
Photometric Data Table [cd]

33.0	113.8	113.8
36.0	109.2	109.1
39.0	104.3	104.2
42.0	99.13	98.92
45.0	93.69	93.53
48.0	88.08	87.84
51.0	82.30	81.94
54.0	76.34	75.99
57.0	70.31	69.80
60.0	64.19	63.58
63.0	57.99	57.29
66.0	51.79	50.93
69.0	45.57	44.56
72.0	39.31	38.25
75.0	33.10	31.93
78.0	26.96	25.59
81.0	20.71	19.32
84.0	14.48	13.03
87.0	8.323	7.008
90.0	3.491	2.703
93.0	2.543	1.238
96.0	2.573	1.066
99.0	2.598	1.075
102.0	2.623	1.126
105.0	2.633	1.181
108.0	2.633	1.246
111.0	2.633	1.316
114.0	2.633	1.367
117.0	2.628	1.437
120.0	2.598	1.503
123.0	2.598	1.558
126.0	2.598	1.643
129.0	2.598	1.719
132.0	2.598	1.779
135.0	2.598	1.869
138.0	2.603	1.930
141.0	2.603	2.000
144.0	2.613	2.070
147.0	2.623	2.136
150.0	2.624	2.201
153.0	2.639	2.286
156.0	2.644	2.322
159.0	2.654	2.387
162.0	2.669	2.437
165.0	2.684	2.478
168.0	2.684	2.528
171.0	2.684	2.558
174.0	2.694	2.613
177.0	2.714	2.633
180.0	2.734	2.699

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2023-11-16

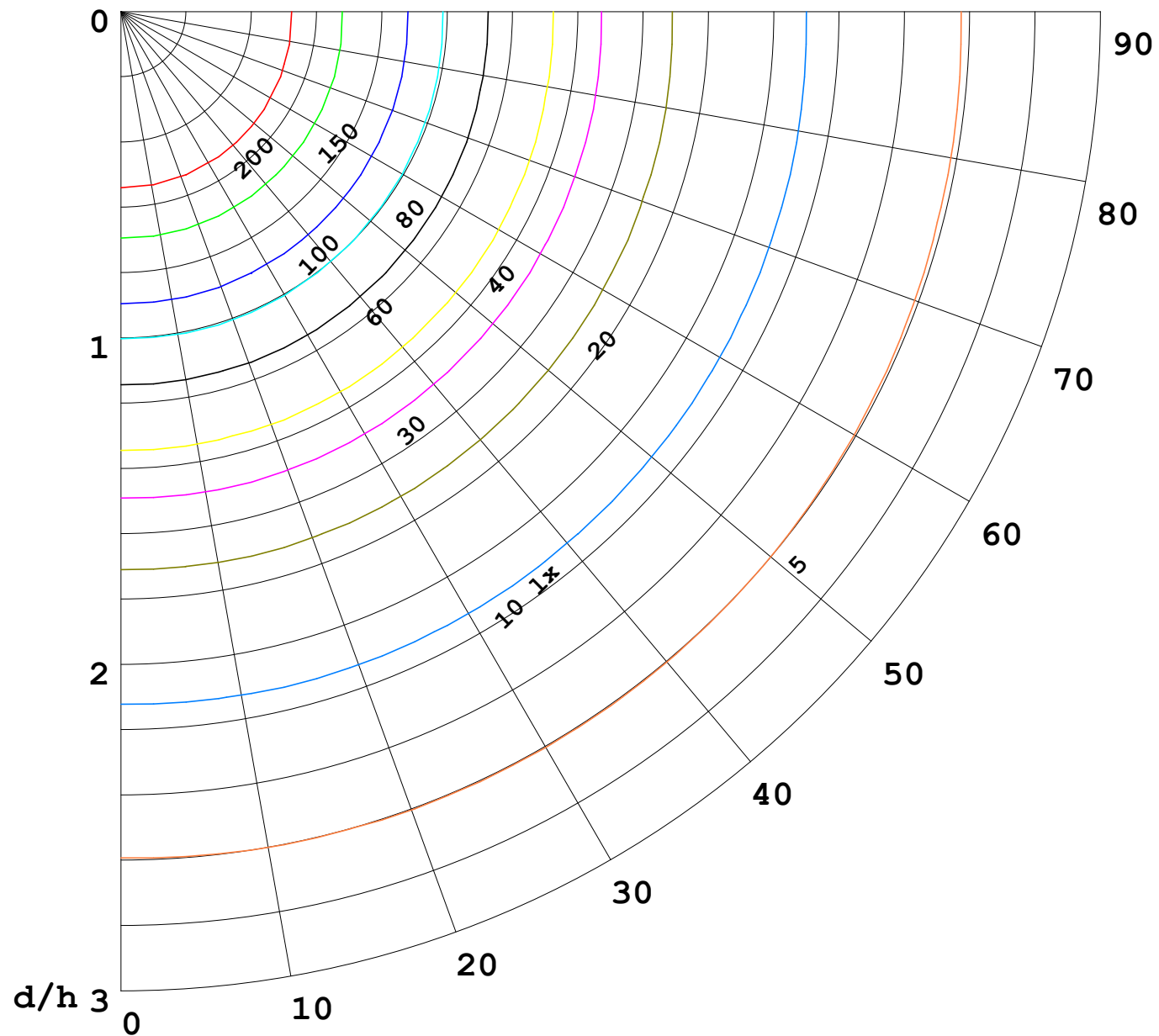
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

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

