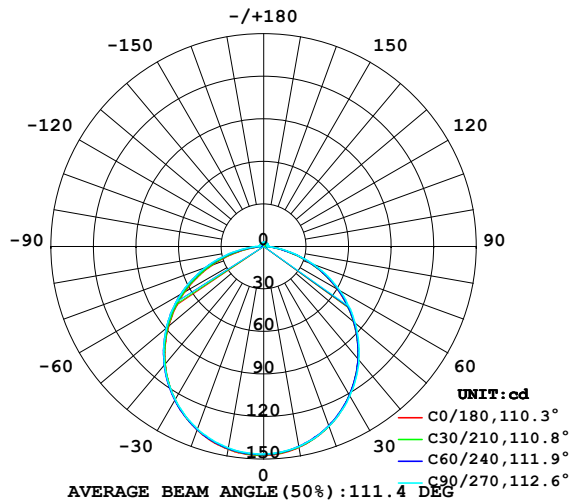


LUMINAIRE PHOTOMETRIC TEST REPORT

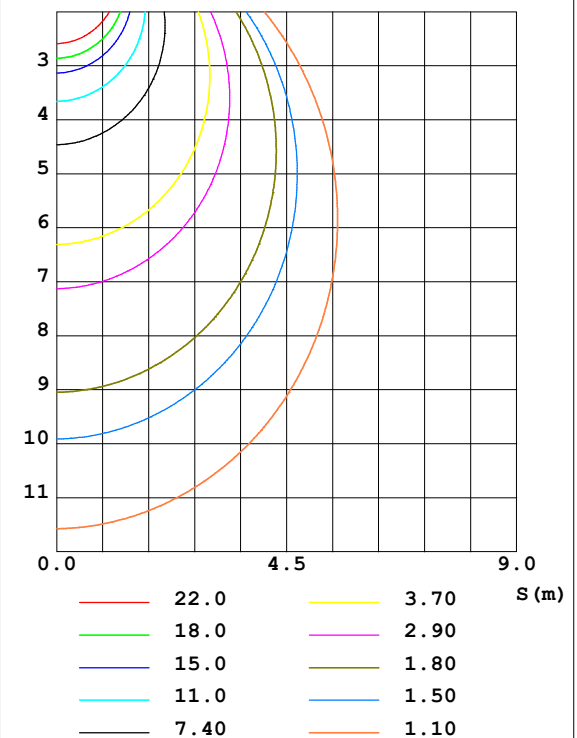
Test:U:24.00V I:0.5407A P:12.98W PF:1.000 Lamp Flux:427.06x1 lm		
NAME: SF15-24V-5050-72-U2-3000K	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202309016
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 32.91 lm/W			
MODEL	5050	I _{max} (cd)	147.4	S/MH (C0/180)	1.23
NOMINAL POWER (W)	13	LOR (%)	100.0	S/MH (C90/270)	1.24
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	427.06	η UP, DN (C0-180)	1.8, 47.0
NOMINAL FLUX (lm)	427.06	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.6, 49.6
LAMPS INSIDE	1	η up (%)	3.4	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	24	η down (%)	96.6	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



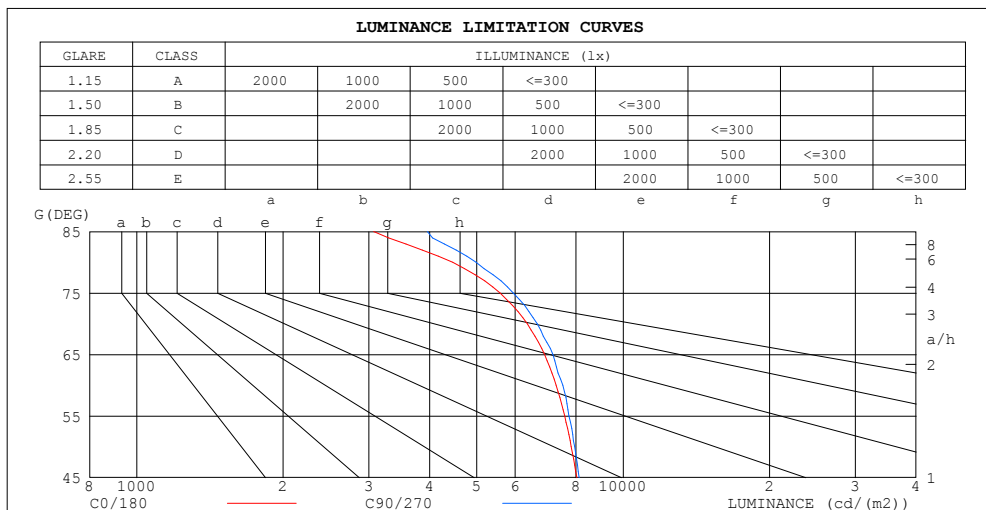
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-09-21

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	143.8	143.4	143.2	143.2	145.2	144.7	144.2	143.5	0- 10	13.86	13.86	3.25,3.25
20	134.9	134.5	134.7	135.1	137.6	137.3	136.9	135.7	10- 20	39.63	53.49	12.5,12.5
30	121.2	121.1	121.7	122.2	125.0	125.1	124.9	123.1	20- 30	59.87	113.4	26.5,26.5
40	103.6	103.6	104.5	105.2	108.2	108.8	108.8	106.5	30- 40	71.93	185.3	43.4,43.4
50	82.97	83.05	84.28	84.81	87.68	89.07	89.54	86.81	40- 50	74.35	259.6	60.8,60.8
60	60.10	60.43	61.98	61.86	64.41	66.64	67.43	64.55	50- 60	66.97	326.6	76.5,76.5
70	35.82	36.13	37.56	36.90	39.06	41.87	43.69	40.60	60- 70	50.72	377.3	88.4,88.4
80	12.79	13.07	14.29	12.63	13.90	16.91	19.80	16.93	70- 80	28.17	405.5	94.9,94.9
90	1.433	2.199	2.930	1.704	0.6736	1.440	3.786	2.151	80- 90	7.259	412.8	96.6,96.6
100	1.568	2.319	2.855	1.892	0.8898	1.613	3.252	1.990	90-100	2.140	414.9	97.2,97.2
110	1.799	2.438	2.850	2.088	1.131	1.812	2.945	2.096	100-110	2.193	417.1	97.7,97.7
120	2.015	2.520	2.804	2.269	1.392	1.975	2.810	2.199	110-120	2.172	419.3	98.2,98.2
130	2.206	2.583	2.804	2.400	1.664	2.151	2.749	2.302	120-130	2.065	421.3	98.7,98.7
140	2.372	2.639	2.809	2.493	1.980	2.339	2.734	2.425	130-140	1.870	423.2	99.1,99.1
150	2.528	2.714	2.824	2.598	2.267	2.523	2.754	2.571	140-150	1.591	424.8	99.5,99.5
160	2.668	2.764	2.855	2.729	2.518	2.676	2.794	2.701	150-160	1.228	426.0	99.8,99.8
170	2.764	2.814	2.855	2.832	2.744	2.797	2.850	2.812	160-170	0.7827	426.8	99.9,99.9
180	2.814	2.857	2.855	2.857	2.829	2.845	2.850	2.850	170-180	0.2697	427.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3069	3959
80	4463	4986
75	5581	5945
70	6348	6656
65	6889	7168
60	7285	7513
55	7585	7737
50	7823	7946
45	8029	8117

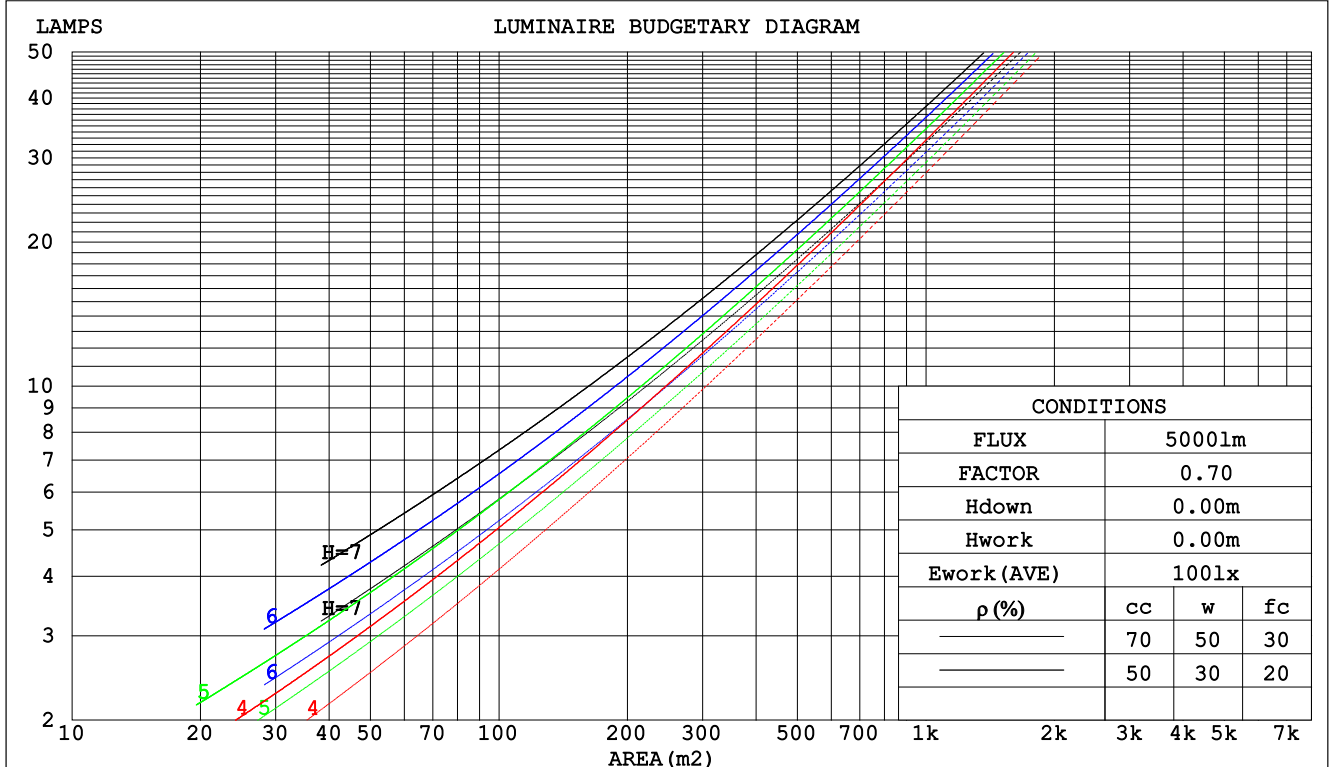
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-09-21

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:0.5407A P:12.98W PF:1.000 Lamp Flux:427.06x1 lm		
NAME: SF15-24V-5050-72-U2-3000K	TYPE:硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202309016
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	.97
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.91	.89	.86	.87	.85	.83	.81
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.80	.76	.72	.76	.73	.70	.67
3.0	.79	.71	.64	.77	.70	.64	.74	.67	.62	.70	.65	.61	.68	.63	.59	.57
4.0	.70	.61	.54	.68	.60	.54	.65	.58	.53	.63	.57	.52	.60	.55	.51	.48
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.56	.50	.45	.54	.49	.44	.42
6.0	.56	.47	.41	.55	.47	.41	.53	.45	.40	.51	.44	.39	.49	.43	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.46	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.42	.36	.31	.41	.35	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.37	.31	.26	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-09-21

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:0.5407A P:12.98W PF:1.000 Lamp Flux:427.06x1 lm		
NAME: SF15-24V-5050-72-U2-3000K	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202309016
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	.306	.174	.055	.298	.170	.054	.283	.162	.052	.269	.155	.050	.256	.148	.048		
2.0	.288	.158	.048	.281	.155	.048	.268	.149	.046	.255	.143	.045	.244	.138	.043		
3.0	.267	.142	.043	.261	.140	.042	.249	.135	.041	.238	.130	.040	.228	.126	.039		
4.0	.247	.128	.038	.241	.126	.037	.230	.122	.037	.221	.118	.036	.211	.115	.035		
5.0	.228	.116	.034	.223	.115	.033	.214	.111	.033	.205	.108	.032	.197	.105	.032		
6.0	.212	.106	.030	.207	.105	.030	.199	.102	.030	.191	.099	.029	.183	.096	.029		
7.0	.197	.098	.028	.193	.096	.027	.185	.094	.027	.178	.091	.027	.171	.089	.026		
8.0	.184	.090	.025	.181	.089	.025	.174	.087	.025	.167	.085	.024	.161	.083	.024		
9.0	.173	.084	.023	.169	.083	.023	.163	.081	.023	.157	.079	.023	.152	.077	.022		
10.0	.162	.078	.022	.159	.077	.021	.154	.075	.021	.148	.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	.216	.216	.216	.185	.185	.185	.126	.126	.126	.072	.072	.072	.023	.023	.023	
1.0	.206	.182	.160	.176	.156	.138	.120	.107	.095	.069	.062	.056	.022	.020	.018	
2.0	.198	.158	.124	.169	.136	.107	.116	.094	.075	.067	.055	.044	.021	.018	.014	
3.0	.190	.140	.101	.163	.121	.087	.112	.084	.061	.065	.049	.036	.021	.016	.012	
4.0	.182	.127	.085	.157	.110	.074	.108	.077	.052	.062	.045	.031	.020	.015	.010	
5.0	.175	.117	.074	.150	.101	.064	.104	.071	.045	.060	.041	.027	.019	.014	.009	
6.0	.168	.108	.066	.144	.094	.057	.100	.066	.040	.058	.039	.024	.019	.013	.008	
7.0	.161	.102	.060	.139	.088	.052	.096	.062	.037	.056	.036	.022	.018	.012	.007	
8.0	.155	.096	.055	.133	.083	.048	.092	.058	.034	.054	.034	.020	.017	.011	.007	
9.0	.149	.091	.052	.128	.079	.045	.089	.055	.032	.052	.033	.019	.017	.011	.006	
10.0	.143	.087	.049	.123	.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:
 Test Date:2023-09-21

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:0.5407A P:12.98W PF:1.000 Lamp Flux:427.06x1 lm										
NAME: SF15-24V-5050-72-U2-3000K						TYPE:硅胶		WEIGHT:		
DIM.: 21MM*11.5MM						SPEC.:		SERIAL No.:202309016		
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	19.6	21.0	19.9	21.3	21.6	19.7	21.1	20.0	21.4	21.7
3H	21.0	22.3	21.3	22.6	22.9	21.1	22.5	21.5	22.8	23.1
4H	21.5	22.8	21.8	23.1	23.4	21.6	22.9	22.0	23.2	23.6
6H	21.8	23.0	22.2	23.3	23.7	22.0	23.2	22.4	23.5	23.9
8H	21.8	23.0	22.2	23.3	23.7	22.1	23.2	22.5	23.6	23.9
12H	21.8	23.0	22.2	23.3	23.7	22.1	23.2	22.5	23.6	24.0
4H 2H	20.2	21.4	20.5	21.7	22.1	20.2	21.5	20.6	21.8	22.1
3H	21.7	22.8	22.1	23.2	23.6	21.8	22.9	22.2	23.3	23.7
4H	22.3	23.3	22.8	23.7	24.1	22.5	23.5	22.9	23.9	24.3
6H	22.7	23.6	23.2	24.0	24.5	22.9	23.8	23.4	24.2	24.7
8H	22.8	23.7	23.3	24.1	24.5	23.0	23.9	23.5	24.3	24.8
12H	22.9	23.6	23.3	24.1	24.6	23.1	23.9	23.6	24.3	24.8
8H 4H	22.5	23.4	23.0	23.8	24.3	22.7	23.5	23.1	23.9	24.4
6H	23.0	23.7	23.5	24.2	24.7	23.2	23.9	23.7	24.4	24.9
8H	23.2	23.8	23.7	24.3	24.8	23.4	24.0	23.9	24.5	25.0
12H	23.3	23.8	23.8	24.3	24.9	23.5	24.1	24.1	24.6	25.1
12H 4H	22.5	23.3	23.0	23.7	24.2	22.7	23.4	23.1	23.9	24.3
6H	23.1	23.7	23.6	24.2	24.7	23.2	23.9	23.8	24.3	24.9
8H	23.3	23.8	23.8	24.3	24.8	23.5	24.0	24.0	24.5	25.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 427.1 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:
Test Date:2023-09-21

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:0.5407A P:12.98W PF:1.000 Lamp Flux:427.06x1 lm		
NAME: SF15-24V-5050-72-U2-3000K	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202309016
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

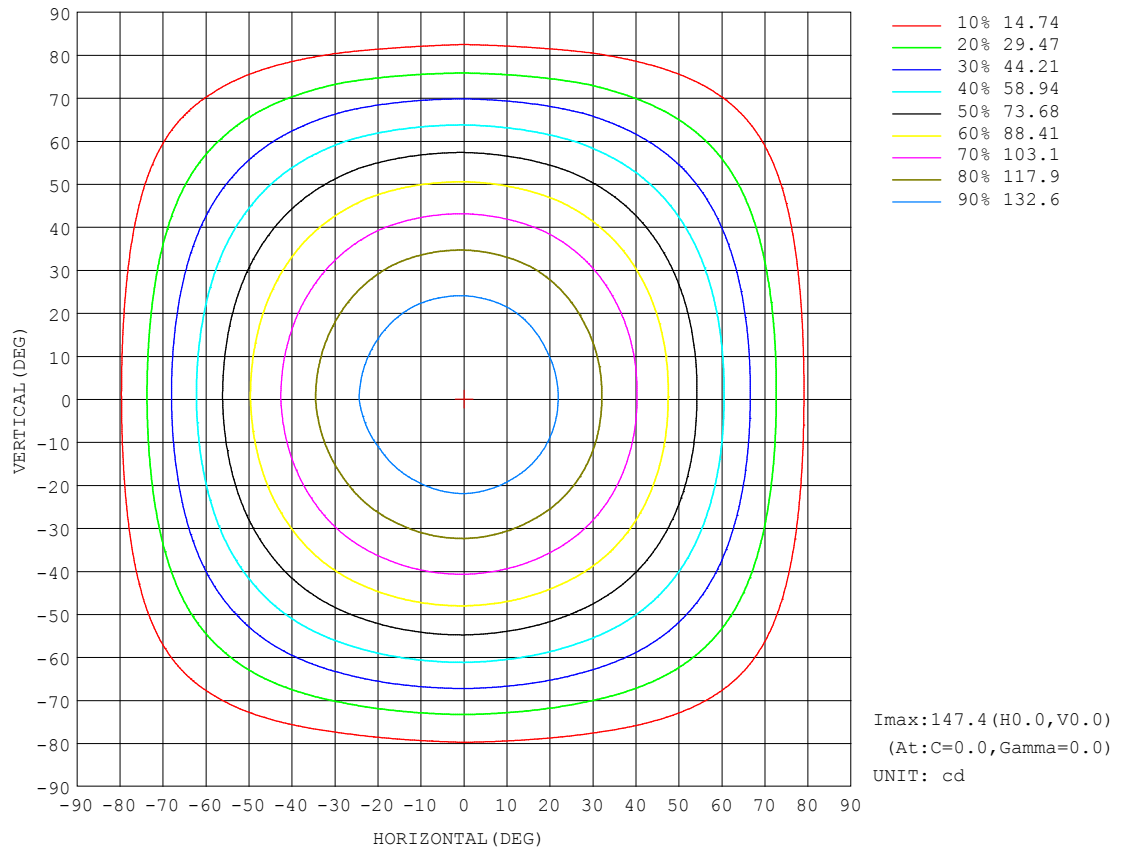
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	54	44	38	31
0.80	67	55	48	66	55	47	64	54	47	40
1.00	75	64	57	74	63	56	71	64	56	48
1.25	82	72	64	81	71	64	78	69	63	55
1.50	87	77	70	85	76	70	82	74	68	60
2.00	94	85	79	92	84	78	88	81	76	68
2.50	98	90	84	96	89	83	91	85	81	72
3.00	101	94	89	99	93	88	94	89	85	76
4.00	105	100	95	103	98	93	98	94	90	80
5.00	108	103	99	105	101	97	100	97	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:
 Test Date: 2023-09-21

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:0.5407A P:12.98W PF:1.000 Lamp Flux:427.06x1 lm		
NAME: SF15-24V-5050-72-U2-3000K	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202309016
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

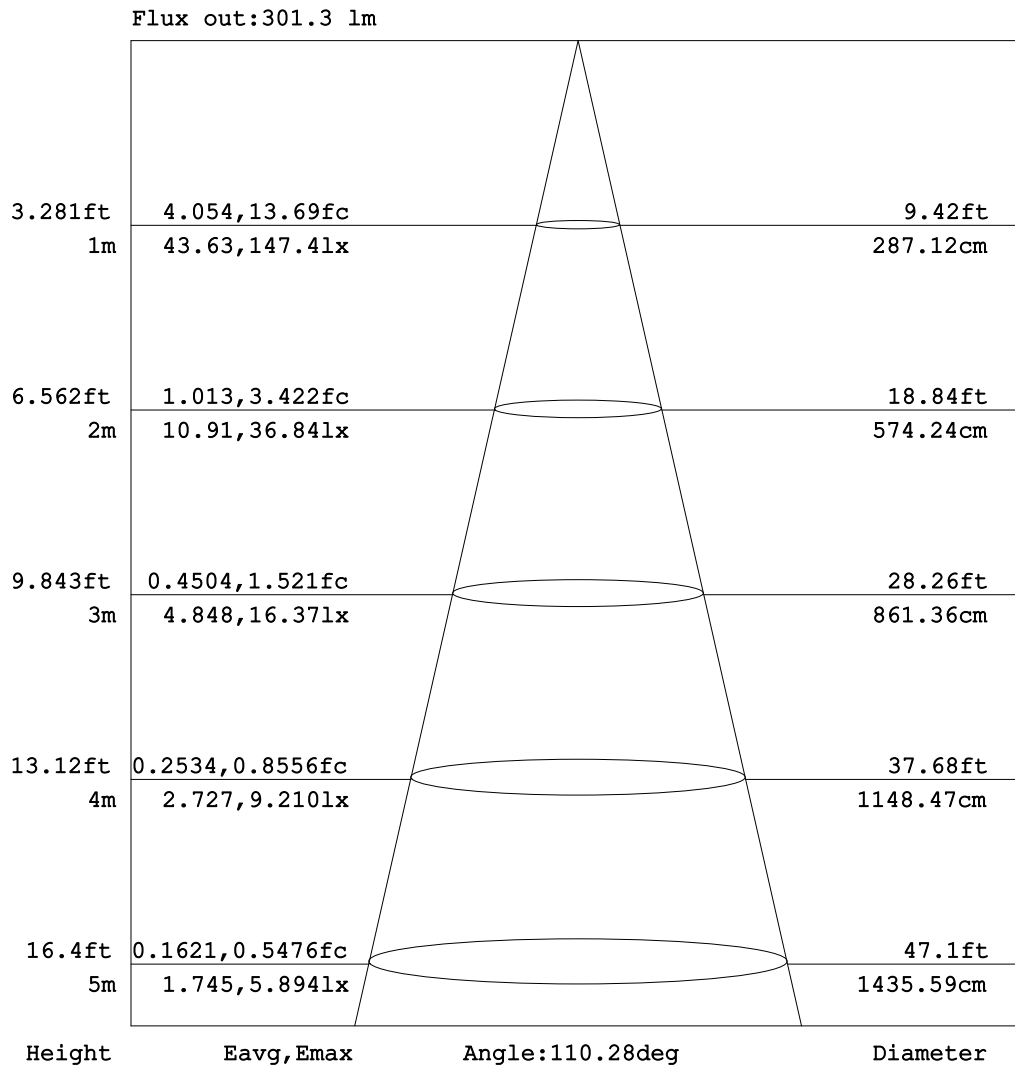


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-09-21

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:0.5407A P:12.98W PF:1.000 Lamp Flux:427.06x1 lm		
NAME: SF15-24V-5050-72-U2-3000K	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202309016
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:



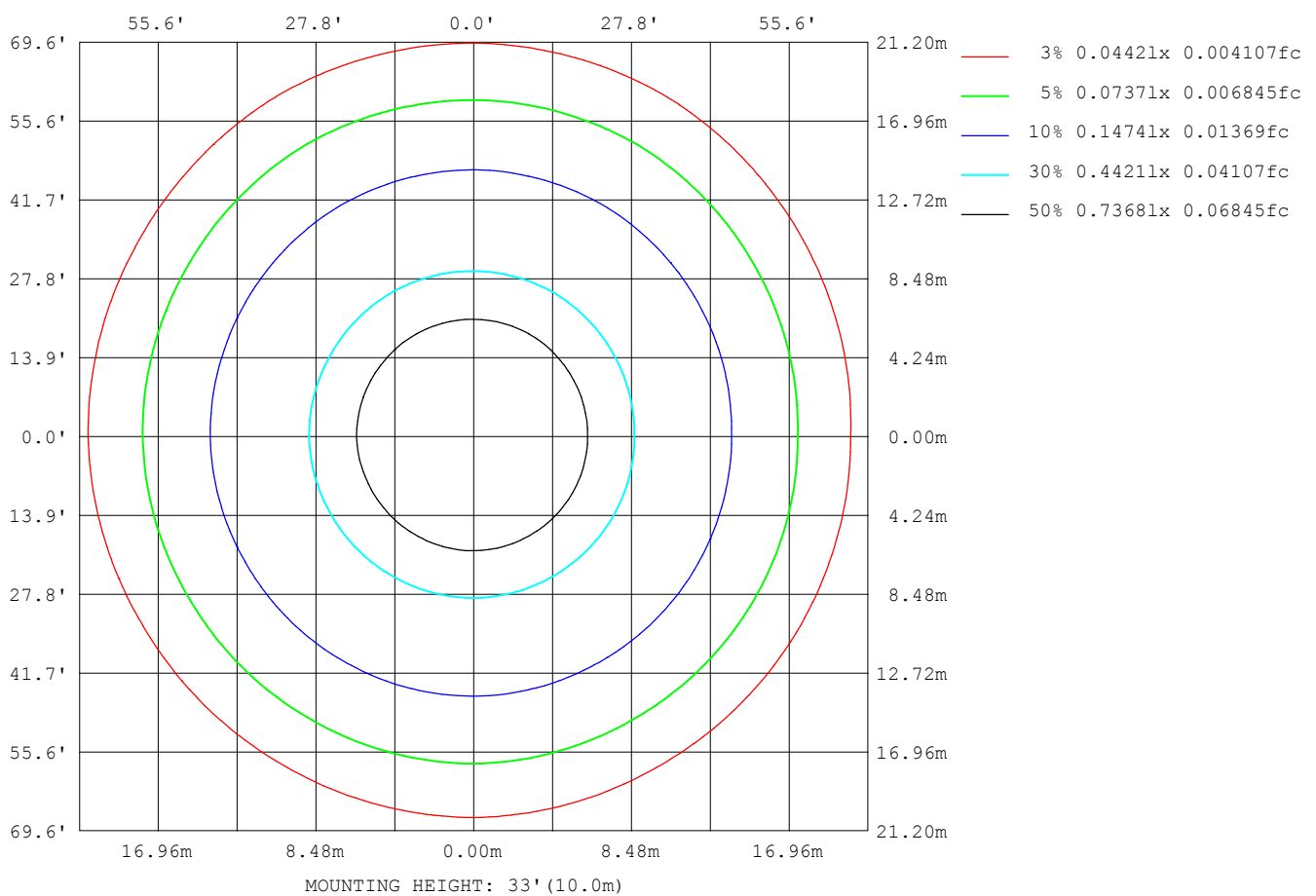
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-09-21

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

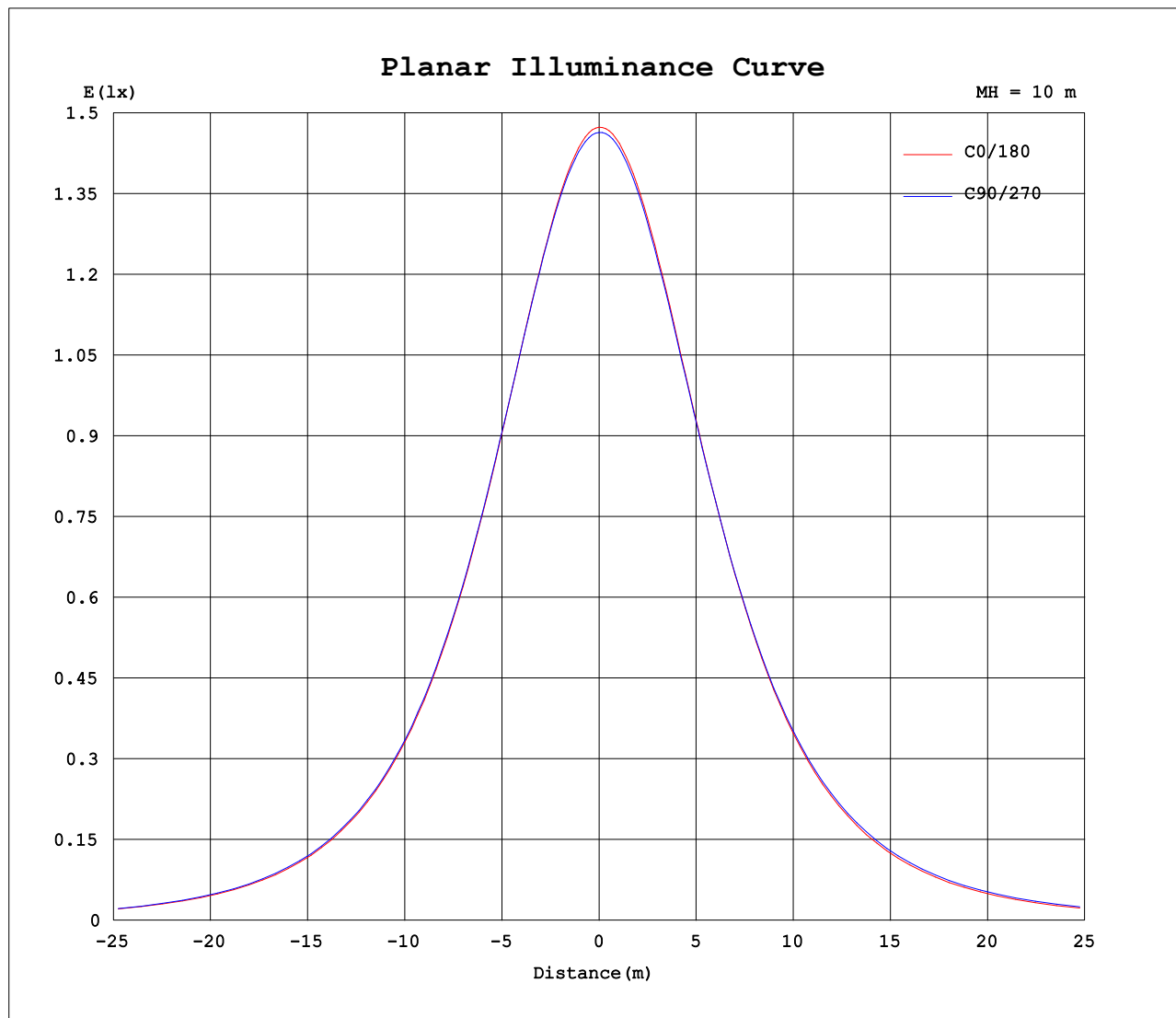
Test:U:24.00V I:0.5407A P:12.98W PF:1.000 Lamp Flux:427.06x1 lm		
NAME: SF15-24V-5050-72-U2-3000K	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202309016
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
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Test Date:2023-09-21

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:
Test Date: 2023-09-21

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:0.5407A P:12.98W PF:1.000 Lamp Flux:427.06x1 lm		
NAME: SF15-24V-5050-72-U2-3000K	TYPE: 硅胶	WEIGHT:
DIM.: 21MM*11.5MM	SPEC.:	SERIAL No.:202309016
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	147	147	147	146	146	146	147	147	147	146	146	146							
5	146	146	146	145	145	145	147	147	146	146	146	145							
10	144	144	143	143	143	143	145	145	145	144	144	143							
15	140	140	139	140	140	140	142	142	142	141	141	140							
20	135	135	134	135	135	135	138	137	137	137	136	135							
25	129	128	128	129	129	130	132	132	132	131	131	129							
30	121	121	121	122	122	123	125	125	125	125	124	122							
35	113	113	113	114	114	115	117	117	118	117	116	114							
40	104	104	104	105	105	106	108	108	109	109	108	105							
45	93.7	93.5	93.8	94.7	94.9	96.0	98.3	98.8	99.8	99.5	98.4	95.7							
50	83.0	82.9	83.2	84.3	84.4	85.3	87.7	88.4	89.7	89.5	88.3	85.4							
55	71.8	71.7	72.1	73.2	73.3	74.0	76.4	77.3	79.0	78.8	77.6	74.3							
60	60.1	60.3	60.5	62.0	61.6	62.2	64.4	65.6	67.7	67.4	66.3	62.8							
65	48.0	48.3	48.5	50.0	49.4	49.7	52.0	53.2	55.8	55.8	54.6	50.9							
70	35.8	36.0	36.3	37.6	36.9	36.9	39.1	40.3	43.4	43.7	42.4	38.8							
75	23.8	23.9	24.3	25.4	24.4	24.4	26.1	27.5	30.8	31.4	30.2	26.6							
80	12.8	12.8	13.3	14.3	12.7	12.5	13.9	15.3	18.5	19.8	18.5	15.4							
85	4.41	4.53	5.07	5.69	3.91	3.49	3.98	5.12	7.89	9.73	8.55	6.07							
90	1.43	1.79	2.60	2.93	1.95	1.46	0.67	0.98	1.90	3.79	2.77	1.54							
95	1.47	1.87	2.60	2.91	2.03	1.57	0.78	1.04	1.98	3.41	2.45	1.39							
100	1.57	1.98	2.66	2.85	2.12	1.66	0.89	1.15	2.08	3.25	2.50	1.48							
105	1.68	2.08	2.69	2.85	2.21	1.78	1.01	1.25	2.16	3.06	2.52	1.56							
110	1.80	2.18	2.70	2.85	2.29	1.89	1.13	1.39	2.23	2.95	2.52	1.67							
115	1.91	2.25	2.71	2.82	2.37	2.00	1.26	1.50	2.29	2.86	2.53	1.76							
120	2.02	2.33	2.71	2.80	2.45	2.09	1.39	1.60	2.35	2.81	2.53	1.87							
125	2.12	2.40	2.71	2.80	2.50	2.18	1.53	1.73	2.40	2.77	2.53	1.95							
130	2.21	2.45	2.71	2.80	2.52	2.28	1.66	1.85	2.45	2.75	2.55	2.06							
135	2.29	2.51	2.71	2.80	2.53	2.38	1.82	1.98	2.50	2.74	2.57	2.14							
140	2.37	2.56	2.71	2.81	2.53	2.46	1.98	2.12	2.56	2.73	2.61	2.24							
145	2.44	2.62	2.72	2.81	2.56	2.53	2.13	2.24	2.62	2.73	2.65	2.36							
150	2.53	2.67	2.75	2.82	2.60	2.60	2.27	2.37	2.68	2.75	2.70	2.44							
155	2.59	2.72	2.77	2.83	2.65	2.66	2.40	2.46	2.73	2.77	2.74	2.53							
160	2.67	2.75	2.77	2.85	2.73	2.73	2.52	2.57	2.78	2.79	2.79	2.61							
165	2.72	2.79	2.79	2.85	2.78	2.79	2.64	2.66	2.82	2.84	2.83	2.69							
170	2.76	2.82	2.80	2.85	2.81	2.85	2.74	2.73	2.86	2.85	2.85	2.77							
175	2.78	2.85	2.83	2.85	2.85	2.86	2.81	2.79	2.86	2.85	2.85	2.79							
180	2.81	2.86	2.85	2.85	2.85	2.86	2.83	2.83	2.86	2.85	2.85	2.84							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-09-21

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	147.4	146.9	146.7	146.4	146.2	146.0	147.4	146.9	146.7	146.4
3.0	146.9	146.5	146.2	146.0	145.8	145.8	147.3	146.9	146.6	146.4
6.0	145.9	145.6	145.2	145.1	145.0	145.0	146.7	146.3	146.1	145.8
9.0	144.4	144.1	143.7	143.8	143.6	143.8	145.7	145.3	145.1	144.7
12.0	142.4	142.2	141.8	141.9	141.8	142.2	144.1	143.7	143.6	143.1
15.0	139.9	139.8	139.4	139.7	139.5	140.0	142.1	141.7	141.6	141.1
18.0	137.0	136.9	136.6	136.8	136.8	137.5	139.5	139.2	139.3	138.8
21.0	133.7	133.5	133.3	133.6	133.7	134.3	136.5	136.3	136.3	135.8
24.0	129.9	129.8	129.6	130.1	130.1	130.9	133.1	132.9	133.1	132.7
27.0	125.8	125.7	125.5	126.1	126.1	127.0	129.2	129.1	129.4	128.8
30.0	121.2	121.1	121.0	121.7	121.7	122.6	125.0	124.9	125.3	124.9
33.0	116.3	116.4	116.1	117.0	117.0	118.0	120.4	120.4	120.9	120.4
36.0	111.1	110.9	111.0	111.7	111.9	113.0	115.4	115.4	116.1	115.7
39.0	105.5	105.5	105.5	106.5	106.5	107.6	110.0	110.1	110.9	110.6
42.0	99.69	99.75	99.74	100.8	100.8	102.0	104.3	104.6	105.5	105.2
45.0	93.68	93.53	93.78	94.71	94.87	95.99	98.29	98.81	99.78	99.54
48.0	87.34	87.36	87.55	88.53	88.69	89.70	91.99	92.44	93.78	93.59
51.0	80.79	80.82	81.08	82.08	82.20	83.15	85.45	86.08	87.62	87.44
54.0	74.04	74.10	74.37	75.57	75.53	76.24	78.63	79.47	81.17	81.14
57.0	67.12	67.41	67.50	68.90	68.62	69.34	71.61	72.36	74.38	74.41
60.0	60.10	60.34	60.52	61.98	61.56	62.16	64.41	65.58	67.70	67.43
63.0	52.89	53.01	53.32	54.65	54.27	54.87	57.07	58.03	60.48	60.72
66.0	45.61	45.74	46.07	47.51	46.89	47.24	49.25	50.51	53.27	53.31
69.0	38.26	38.40	38.73	40.00	39.37	39.64	41.72	43.06	45.92	46.28
72.0	30.99	30.91	31.45	32.62	31.86	32.07	33.85	35.35	38.28	38.97
75.0	23.83	23.93	24.32	25.39	24.39	24.41	26.09	27.49	30.78	31.44
78.0	17.02	17.01	17.47	18.54	17.18	17.10	18.65	20.03	23.40	24.71
81.0	10.76	10.87	11.33	12.31	10.67	10.27	11.66	13.22	16.24	17.60
84.0	5.683	5.818	6.331	6.998	5.242	4.917	5.663	6.774	9.792	11.64
87.0	2.423	2.639	3.186	3.754	2.104	1.642	1.546	2.329	4.606	6.812
90.0	1.433	1.794	2.603	2.930	1.950	1.458	0.6736	0.9804	1.900	3.786
93.0	1.432	1.840	2.603	2.915	1.985	1.523	0.7290	0.9900	1.940	3.423
96.0	1.487	1.900	2.618	2.890	2.045	1.583	0.7993	1.065	2.000	3.373
99.0	1.553	1.955	2.648	2.860	2.105	1.649	0.8647	1.115	2.056	3.317
102.0	1.623	2.016	2.684	2.855	2.151	1.709	0.9400	1.186	2.111	3.136
105.0	1.683	2.081	2.694	2.855	2.206	1.779	1.005	1.251	2.156	3.061
108.0	1.759	2.141	2.699	2.855	2.256	1.850	1.086	1.327	2.206	3.001
111.0	1.829	2.186	2.699	2.850	2.297	1.910	1.161	1.402	2.252	2.920
114.0	1.894	2.242	2.709	2.839	2.347	1.970	1.242	1.487	2.287	2.870
117.0	1.955	2.292	2.714	2.804	2.397	2.026	1.312	1.523	2.322	2.840
120.0	2.015	2.327	2.714	2.804	2.447	2.091	1.392	1.603	2.347	2.810
123.0	2.075	2.372	2.714	2.804	2.478	2.136	1.478	1.673	2.382	2.789
126.0	2.131	2.402	2.714	2.804	2.508	2.196	1.563	1.754	2.408	2.769
129.0	2.186	2.448	2.714	2.804	2.528	2.257	1.634	1.824	2.438	2.759
132.0	2.241	2.473	2.714	2.804	2.528	2.317	1.729	1.900	2.463	2.749
135.0	2.287	2.513	2.714	2.804	2.528	2.377	1.825	1.985	2.498	2.739
138.0	2.337	2.543	2.714	2.804	2.528	2.428	1.920	2.060	2.528	2.734
141.0	2.382	2.573	2.714	2.809	2.528	2.478	2.006	2.136	2.563	2.734
144.0	2.442	2.603	2.719	2.809	2.553	2.523	2.101	2.216	2.608	2.734
147.0	2.478	2.639	2.729	2.819	2.573	2.558	2.186	2.292	2.639	2.734
150.0	2.528	2.674	2.754	2.824	2.598	2.598	2.267	2.367	2.679	2.754
153.0	2.563	2.699	2.769	2.830	2.628	2.634	2.347	2.427	2.709	2.764
156.0	2.603	2.724	2.774	2.835	2.673	2.674	2.418	2.483	2.739	2.774
159.0	2.643	2.754	2.774	2.850	2.714	2.724	2.493	2.548	2.774	2.784
162.0	2.689	2.779	2.774	2.855	2.749	2.764	2.568	2.603	2.800	2.804
165.0	2.724	2.794	2.789	2.855	2.779	2.794	2.644	2.658	2.825	2.844
168.0	2.759	2.814	2.799	2.855	2.799	2.835	2.709	2.704	2.845	2.850
171.0	2.764	2.835	2.809	2.855	2.809	2.855	2.764	2.759	2.860	2.850
174.0	2.784	2.850	2.829	2.855	2.845	2.860	2.804	2.774	2.860	2.850
177.0	2.799	2.860	2.850	2.855	2.855	2.860	2.829	2.799	2.860	2.850
180.0	2.814	2.860	2.855	2.855	2.855	2.860	2.829	2.829	2.860	2.850
G/C	300.0	330.0								
0.0	146.2	146.0								
3.0	146.0	145.8								
6.0	145.4	145.0								
9.0	144.3	143.8								
12.0	142.8	142.0								
15.0	140.7	139.7								
18.0	138.3	137.1								
21.0	135.3	133.9								
24.0	132.0	130.3								
27.0	128.2	126.4								
30.0	124.1	122.1								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2023-09-21

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:

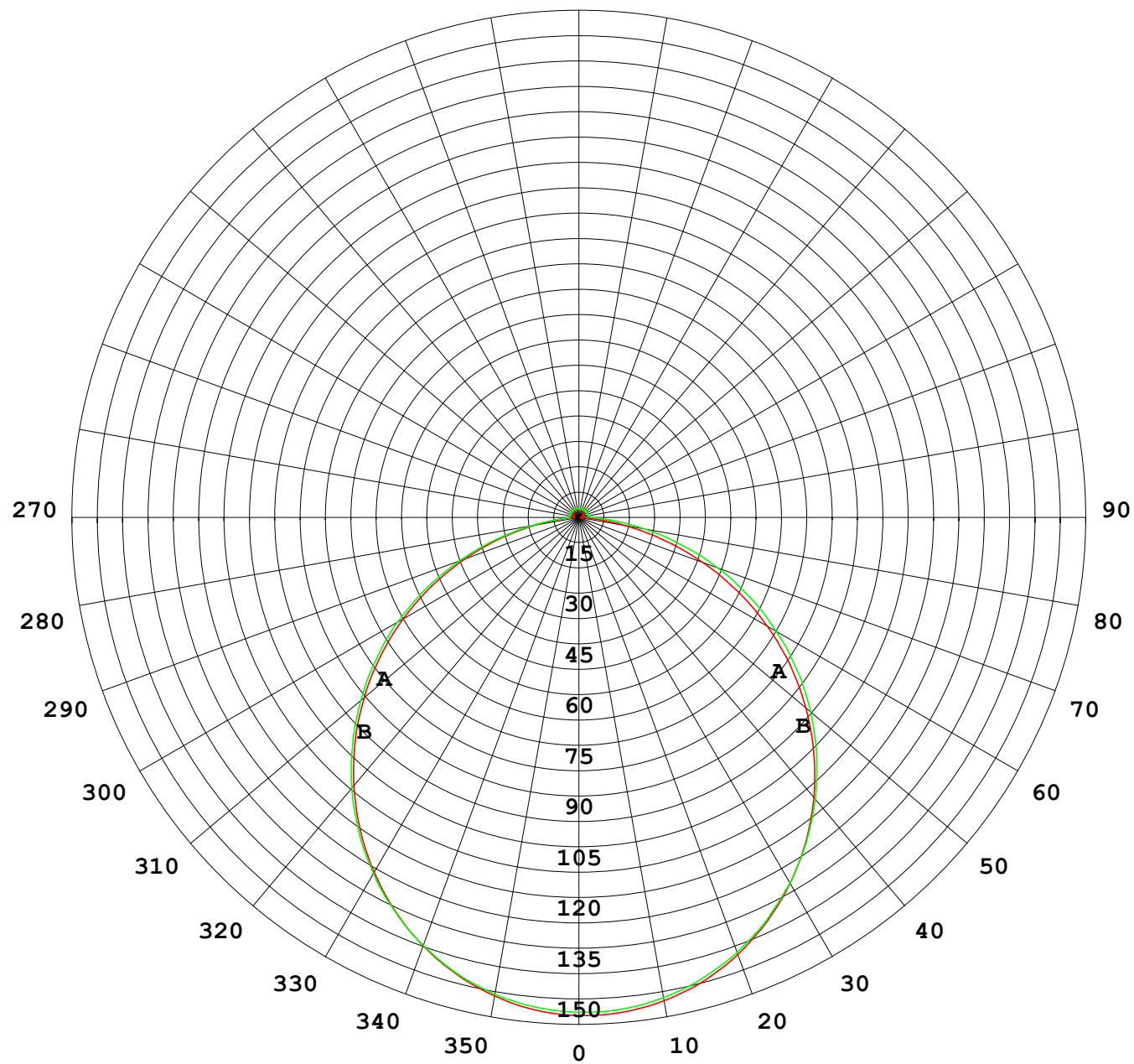
Photometric Data Table [cd]

33.0	119.6	117.4
36.0	114.7	112.4
39.0	109.6	107.1
42.0	104.1	101.6
45.0	98.37	95.70
48.0	92.35	89.51
51.0	86.18	83.10
54.0	79.75	76.70
57.0	72.98	69.86
60.0	66.34	62.75
63.0	59.20	55.96
66.0	52.12	48.41
69.0	44.87	41.36
72.0	37.43	34.02
75.0	30.16	26.59
78.0	23.06	19.93
81.0	16.30	13.31
84.0	10.31	7.673
87.0	5.517	3.648
90.0	2.765	1.536
93.0	2.422	1.377
96.0	2.463	1.397
99.0	2.493	1.452
102.0	2.518	1.513
105.0	2.518	1.558
108.0	2.523	1.633
111.0	2.528	1.693
114.0	2.528	1.749
117.0	2.528	1.804
120.0	2.528	1.869
123.0	2.533	1.925
126.0	2.538	1.975
129.0	2.543	2.040
132.0	2.563	2.086
135.0	2.573	2.141
138.0	2.593	2.206
141.0	2.614	2.281
144.0	2.649	2.327
147.0	2.674	2.382
150.0	2.699	2.442
153.0	2.729	2.498
156.0	2.754	2.538
159.0	2.779	2.598
162.0	2.804	2.643
165.0	2.835	2.689
168.0	2.850	2.724
171.0	2.855	2.779
174.0	2.855	2.784
177.0	2.855	2.804
180.0	2.855	2.845

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-09-21

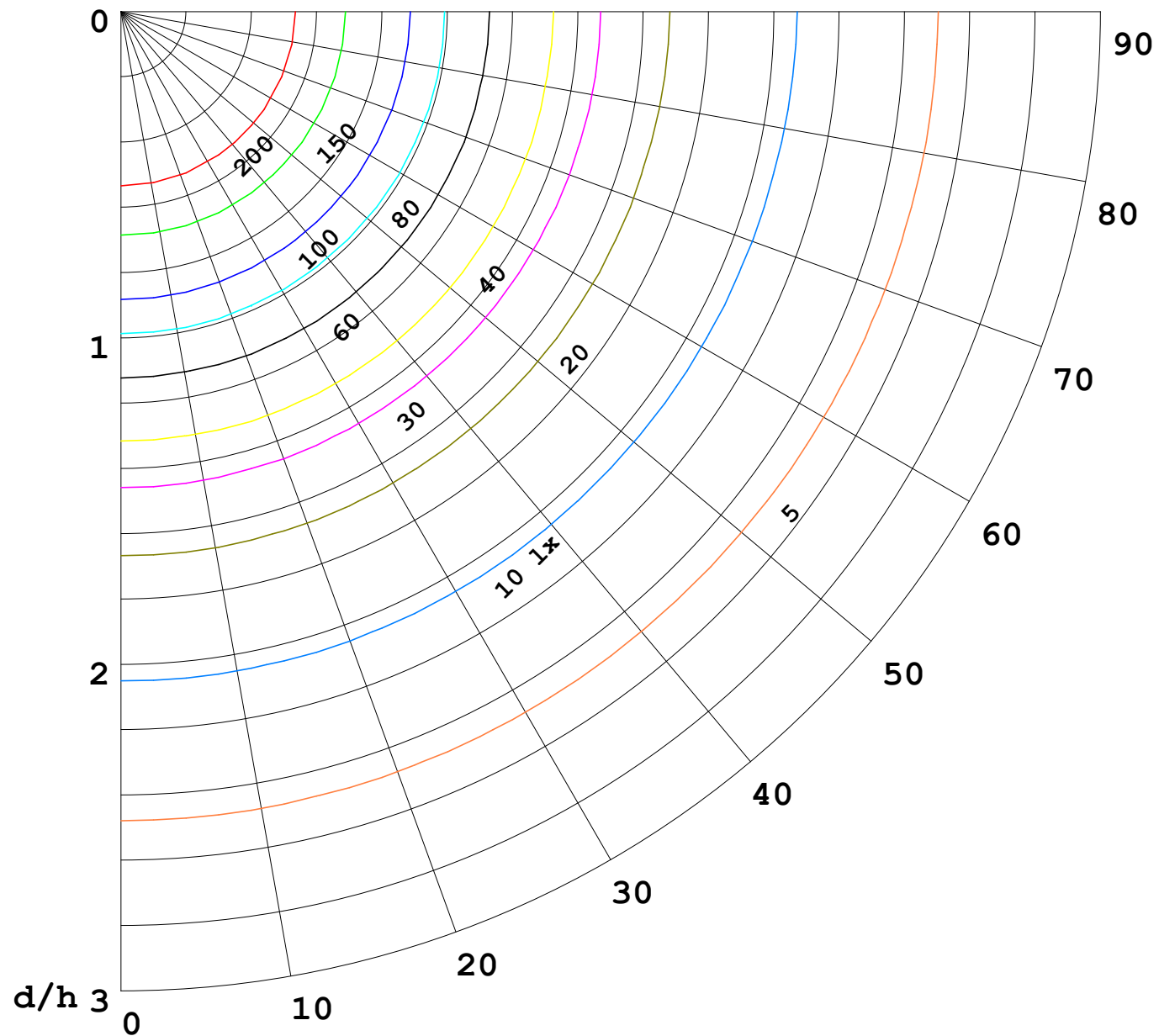
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

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

