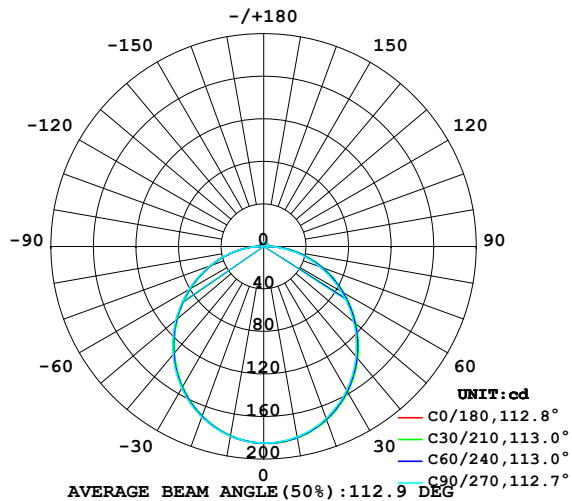


## LUMINAIRE PHOTOMETRIC TEST REPORT

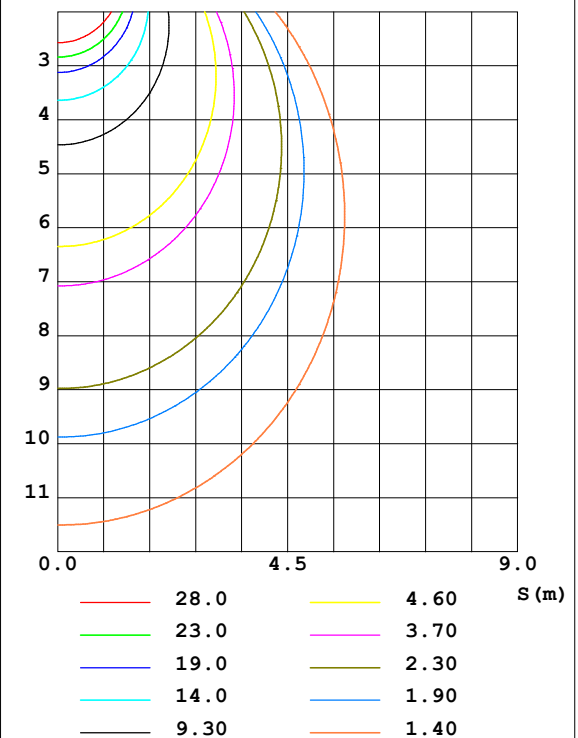
Test:U:24.00V I:0.5116A P:12.28W PF:1.000 Lamp Flux:566.867x1 lm		
NAME: SF15-24V-5050-60-3000K	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 46.17 lm/W			
MODEL		I <sub>max</sub> (cd)	185.3	S/MH (C0/180)	1.26
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.25
RATED VOLTAGE (V)		TOTAL FLUX (lm)	566.87	η UP, DN (C0-180)	2.1, 48.5
NOMINAL FLUX (lm)	566.867	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.8, 47.6
LAMPS INSIDE	1	η up (%)	3.9	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)		η down (%)	96.1	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



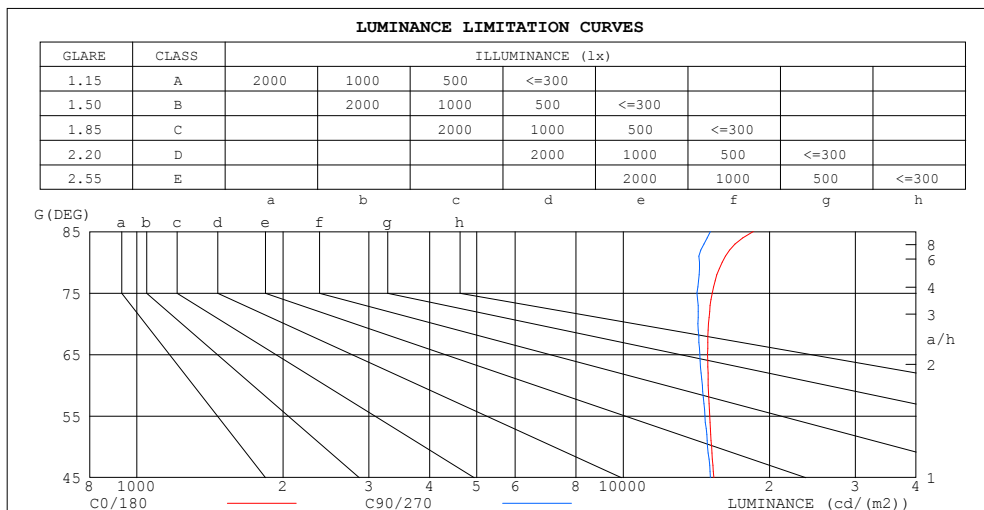
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LYH  
Test Date: 2024-08-02

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 10.000m [K=1.0000]  
Remarks:

### ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

#### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	182.5	182.4	181.8	181.0	180.9	180.7	181.2	182.0	0- 10	17.50	17.50	3.09,3.09
20	173.0	173.1	171.8	170.3	169.8	169.8	170.7	172.2	10- 20	50.01	67.50	11.9,11.9
30	157.3	157.5	155.9	153.7	152.8	152.9	154.1	156.3	20- 30	75.52	143.0	25.2,25.2
40	136.6	136.9	134.9	132.3	131.2	131.4	132.6	135.4	30- 40	90.73	233.8	41.2,41.2
50	112.3	112.6	110.2	107.6	106.4	106.6	108.0	111.2	40- 50	94.13	327.9	57.8,57.8
60	86.01	86.12	83.60	81.07	80.12	80.11	81.50	84.79	50- 60	86.14	414.0	73,73
70	58.92	58.72	56.01	54.02	53.39	53.28	54.24	57.78	60- 70	68.69	482.7	85.2,85.2
80	31.91	31.47	28.64	27.29	27.05	26.72	27.11	30.62	70- 80	44.69	527.4	93,93
90	8.260	6.623	2.968	5.342	6.387	4.720	1.890	5.887	80- 90	17.53	544.9	96.1,96.1
100	3.726	3.462	3.117	4.207	4.062	3.495	1.951	2.649	90-100	4.038	549.0	96.8,96.8
110	3.649	3.386	3.252	4.113	3.950	3.457	2.200	2.714	100-110	3.562	552.5	97.5,97.5
120	3.643	3.489	3.288	4.006	3.820	3.412	2.389	2.830	110-120	3.351	555.9	98.1,98.1
130	3.666	3.501	3.395	3.862	3.743	3.424	2.560	2.977	120-130	3.039	558.9	98.6,98.6
140	3.720	3.548	3.537	3.841	3.684	3.489	2.773	3.117	130-140	2.662	561.6	99.1,99.1
150	3.779	3.581	3.690	3.829	3.655	3.566	2.974	3.312	140-150	2.207	563.8	99.5,99.5
160	3.826	3.681	3.791	3.791	3.578	3.601	3.412	3.501	150-160	1.668	565.5	99.8,99.8
170	3.667	3.832	3.873	3.785	3.572	3.696	3.708	3.661	160-170	1.044	566.5	99.9,99.9
180	3.666	3.838	3.879	3.794	3.631	3.791	3.862	3.782	170-180	0.3583	566.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	18517	15112
80	15982	14344
75	15242	14181
70	14981	14241
65	14908	14378
60	14958	14540
55	15059	14719
50	15194	14910
45	15356	15114

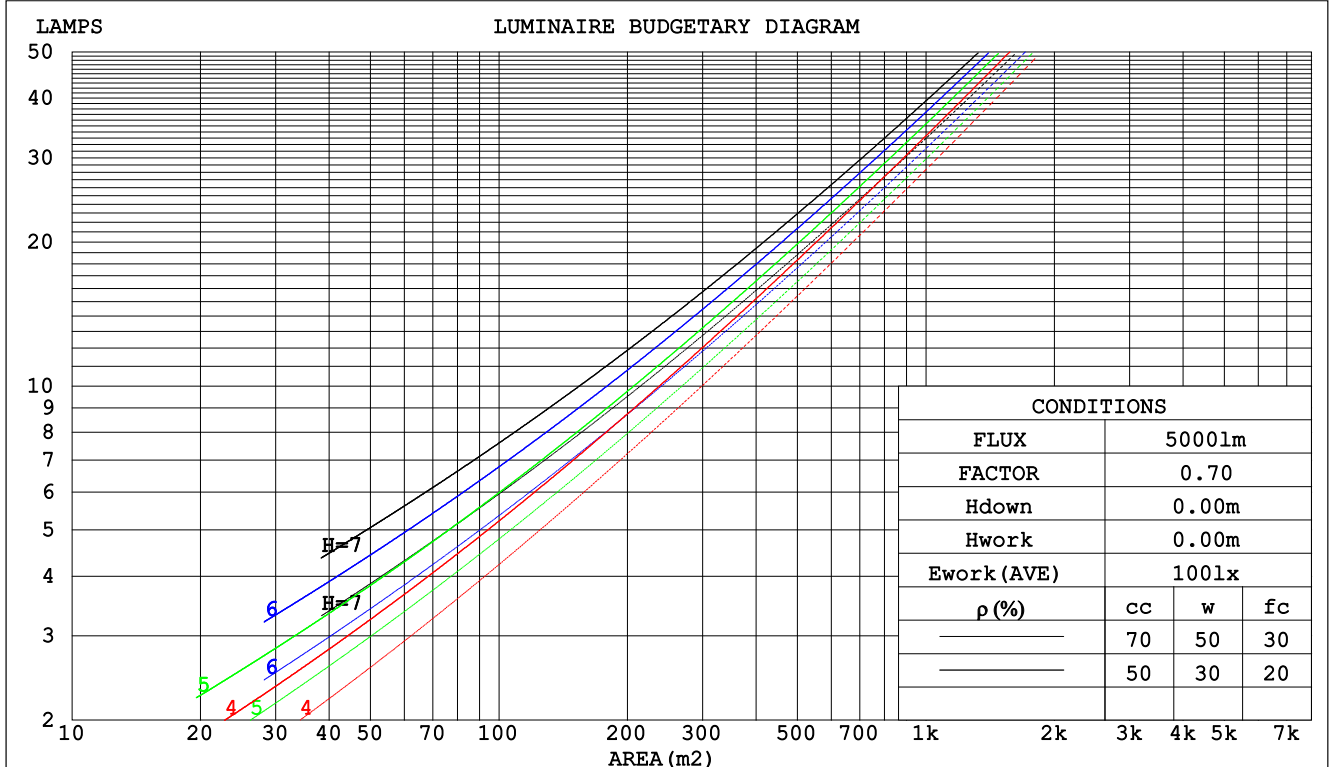
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYH  
Test Date:2024-08-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.5116A P:12.28W PF:1.000 Lamp Flux:566.867x1 lm		
NAME: SF15-24V-5050-60-3000K	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	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	.98	.98	.98	.96
1.0	1.02	.97	.93	.99	.95	.91	.94	.91	.88	.90	.87	.84	.86	.83	.81	.79
2.0	.88	.81	.75	.86	.80	.74	.82	.77	.72	.78	.74	.70	.75	.71	.68	.65
3.0	.77	.69	.62	.76	.68	.61	.72	.65	.60	.69	.63	.58	.66	.61	.57	.54
4.0	.68	.59	.53	.67	.58	.52	.64	.57	.51	.61	.55	.50	.58	.53	.49	.46
5.0	.61	.52	.45	.60	.51	.45	.57	.50	.44	.55	.48	.43	.52	.47	.42	.40
6.0	.55	.46	.39	.54	.45	.39	.52	.44	.38	.49	.43	.38	.48	.42	.37	.35
7.0	.50	.41	.35	.49	.40	.34	.47	.39	.34	.45	.38	.33	.43	.37	.33	.31
8.0	.45	.37	.31	.44	.36	.31	.43	.35	.30	.41	.35	.30	.40	.34	.29	.27
9.0	.42	.33	.28	.41	.33	.28	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25
10.0	.38	.30	.25	.38	.30	.25	.36	.29	.25	.35	.29	.24	.34	.28	.24	.22



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYH  
Test Date:2024-08-02

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## WEC AND CCEC

Test:U:24.00V I:0.5116A P:12.28W PF:1.000 Lamp Flux:566.867x1 lm								
NAME: SF15-24V-5050-60-3000K				TYPE:			WEIGHT:	
DIM.: Length=1m				SPEC.:			SERIAL No.:	
MFR.:				SUR.:			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	.327	.186	.059	.319	.182	.058	.304	.174	.056	.289	.167	.054	.276	.160	.052	
2.0	.302	.165	.051	.294	.162	.050	.280	.156	.048	.268	.150	.047	.256	.145	.046	
3.0	.276	.147	.044	.270	.144	.043	.257	.139	.042	.246	.135	.041	.235	.130	.040	
4.0	.253	.132	.039	.247	.130	.038	.236	.125	.037	.226	.121	.037	.217	.118	.036	
5.0	.233	.119	.034	.228	.117	.034	.218	.114	.033	.209	.110	.033	.200	.107	.032	
6.0	.216	.108	.031	.211	.107	.031	.202	.104	.030	.194	.101	.030	.186	.098	.029	
7.0	.200	.099	.028	.196	.098	.028	.188	.095	.027	.181	.093	.027	.174	.090	.026	
8.0	.187	.091	.026	.183	.090	.025	.176	.088	.025	.169	.086	.025	.163	.083	.024	
9.0	.175	.084	.024	.171	.083	.023	.165	.081	.023	.159	.079	.023	.153	.078	.022	
10.0	.164	.079	.022	.161	.078	.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	.220	.220	.220	.188	.188	.188	.128	.128	.128	.074	.074	.074	.024	.024	.024	
1.0	.211	.186	.163	.181	.159	.140	.124	.110	.097	.071	.063	.056	.023	.020	.018	
2.0	.203	.162	.127	.174	.139	.110	.119	.096	.076	.069	.056	.045	.022	.018	.015	
3.0	.196	.144	.103	.168	.125	.090	.115	.087	.063	.067	.051	.037	.021	.016	.012	
4.0	.188	.131	.088	.161	.113	.076	.111	.079	.054	.064	.046	.032	.021	.015	.010	
5.0	.181	.121	.077	.155	.105	.067	.107	.073	.047	.062	.043	.028	.020	.014	.009	
6.0	.173	.113	.069	.149	.098	.060	.103	.068	.043	.060	.040	.025	.019	.013	.008	
7.0	.166	.106	.063	.143	.092	.055	.099	.064	.039	.057	.038	.023	.019	.012	.008	
8.0	.160	.100	.059	.138	.087	.052	.095	.061	.037	.055	.036	.022	.018	.012	.007	
9.0	.154	.095	.056	.132	.083	.049	.092	.058	.035	.053	.034	.021	.017	.011	.007	
10.0	.148	.091	.053	.128	.079	.046	.089	.056	.033	.052	.033	.020	.017	.011	.007	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LYH  
 Test Date:2024-08-02

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

## Uncorrected UGR Table

Test:U:24.00V I:0.5116A P:12.28W PF:1.000 Lamp Flux:566.867x1 lm											
NAME: SF15-24V-5050-60-3000K						TYPE:		WEIGHT:			
DIM.: Length=1m						SPEC.:		SERIAL No.:			
MFR.:						SUR.:		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	22.2	23.7	22.5	24.0	24.2	22.1	23.6	22.4	23.8	24.1	
	3H	23.9	25.3	24.3	25.6	25.9	23.8	25.1	24.1	25.4	25.8
	4H	24.7	26.1	25.1	26.4	26.7	24.5	25.8	24.9	26.2	26.5
	6H	25.5	26.7	25.8	27.0	27.4	25.2	26.4	25.5	26.7	27.1
	8H	25.7	26.9	26.2	27.3	27.7	25.4	26.6	25.8	26.9	27.3
	12H	26.0	27.2	26.4	27.5	27.9	25.6	26.7	26.0	27.1	27.5
4H	2H	22.8	24.2	23.2	24.5	24.8	22.8	24.1	23.1	24.4	24.7
	3H	24.8	26.0	25.2	26.3	26.7	24.7	25.8	25.1	26.2	26.6
	4H	25.8	26.8	26.2	27.2	27.6	25.6	26.6	26.0	27.0	27.4
	6H	26.6	27.6	27.1	28.0	28.4	26.3	27.3	26.8	27.7	28.1
	8H	27.0	27.9	27.5	28.3	28.8	26.7	27.5	27.1	28.0	28.4
	12H	27.3	28.1	27.8	28.6	29.1	26.9	27.7	27.4	28.2	28.7
8H	4H	26.1	27.0	26.6	27.4	27.9	25.9	26.8	26.4	27.2	27.7
	6H	27.2	27.9	27.7	28.4	28.9	26.9	27.6	27.4	28.1	28.6
	8H	27.7	28.3	28.2	28.8	29.4	27.4	28.0	27.9	28.5	29.0
	12H	28.2	28.7	28.7	29.2	29.8	27.8	28.3	28.3	28.8	29.4
12H	4H	26.1	26.9	26.6	27.4	27.9	26.0	26.8	26.5	27.2	27.7
	6H	27.3	27.9	27.8	28.4	29.0	27.0	27.7	27.6	28.2	28.7
	8H	27.9	28.4	28.4	28.9	29.5	27.5	28.1	28.1	28.6	29.2
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 566.9 lm Total Lamp Luminous Flux. (8log(F/F0) = -2.0)

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LYH  
 Test Date: 2024-08-02

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 10.000m [K=1.0000]  
 Remarks:

### UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.5116A P:12.28W PF:1.000 Lamp Flux:566.867x1 lm		
NAME: SF15-24V-5050-60-3000K	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

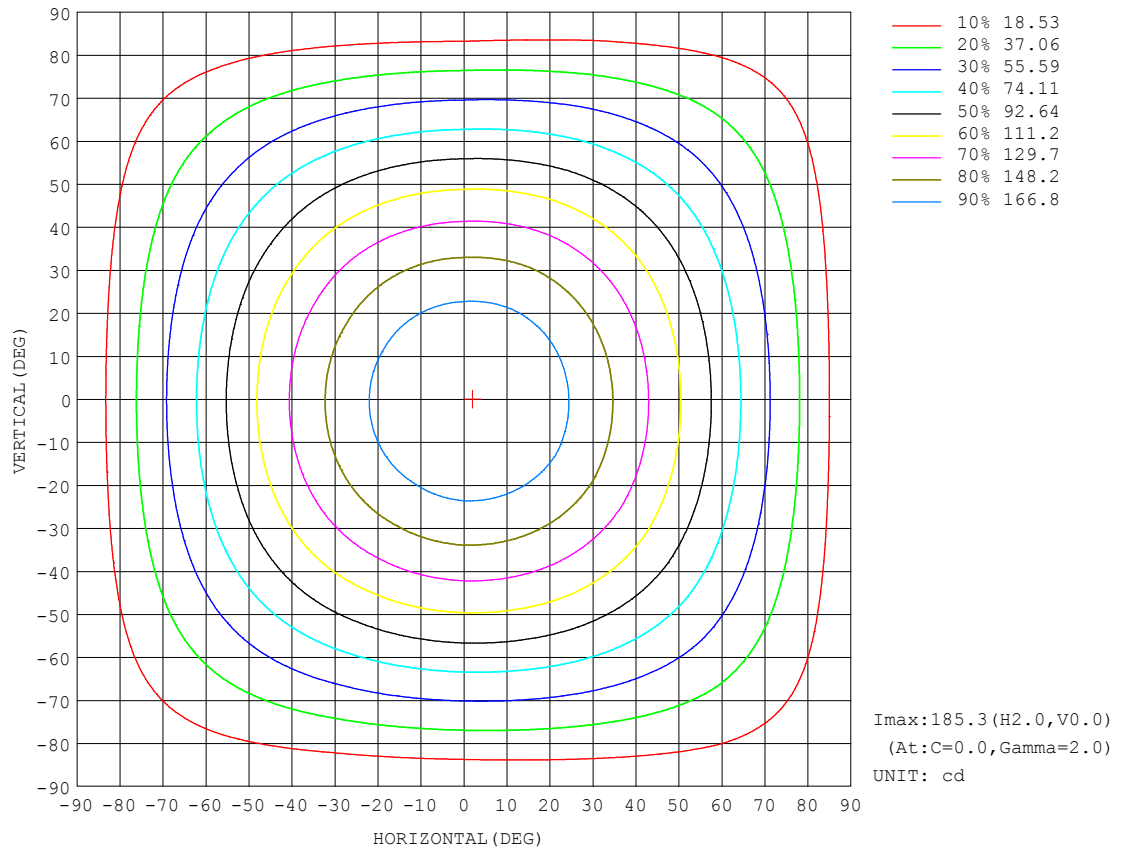
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	44	37	55	44	37	53	43	36	30
0.80	65	53	46	64	53	46	62	52	45	38
1.00	74	62	55	72	61	54	70	63	53	46
1.25	81	70	62	79	69	62	76	67	61	53
1.50	86	75	68	84	74	67	80	72	66	58
2.00	93	84	77	90	82	76	86	79	74	65
2.50	97	88	82	94	87	81	90	84	79	69
3.00	100	93	87	98	91	85	93	87	83	73
4.00	104	98	93	102	96	91	97	92	88	78
5.00	107	102	97	104	99	95	99	95	92	81
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYH  
Test Date:2024-08-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:24.00V I:0.5116A P:12.28W PF:1.000 Lamp Flux:566.867x1 lm		
NAME: SF15-24V-5050-60-3000K	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

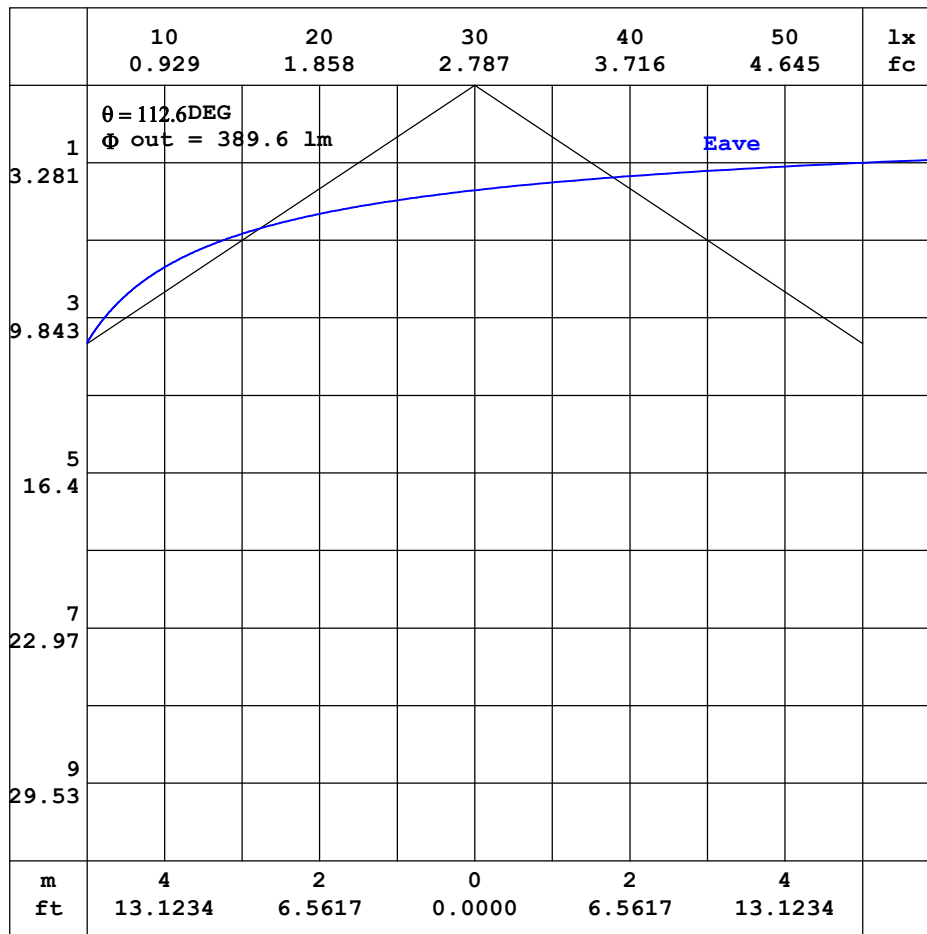


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYH  
Test Date:2024-08-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## AAI CURVES

Test:U:24.00V I:0.5116A P:12.28W PF:1.000 Lamp Flux:566.867x1 lm		
NAME: SF15-24V-5050-60-3000K	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



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

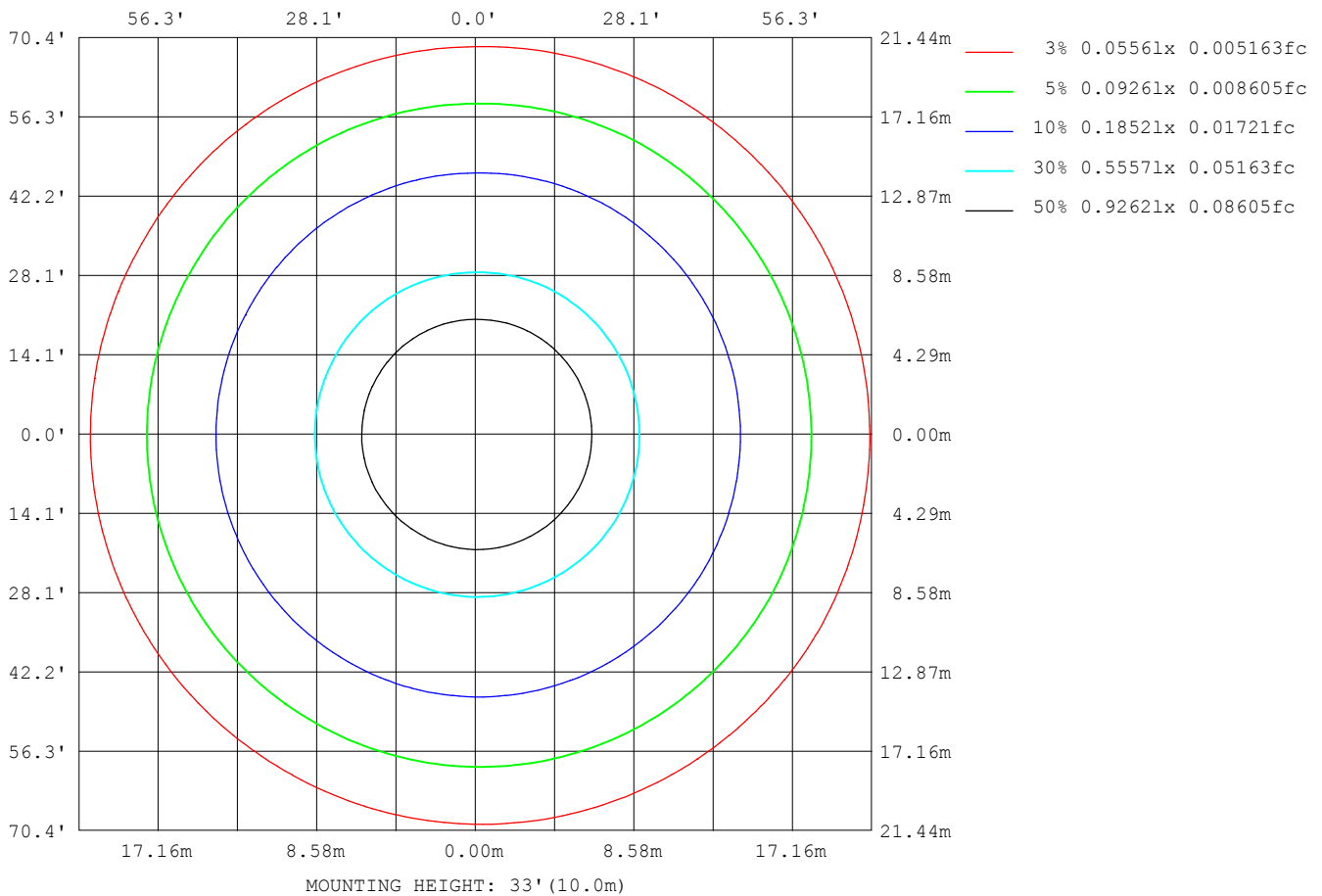
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LYH  
Test Date: 2024-08-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 10.000m [K=1.0000]  
Remarks:



## ISOLUX DIAGRAM

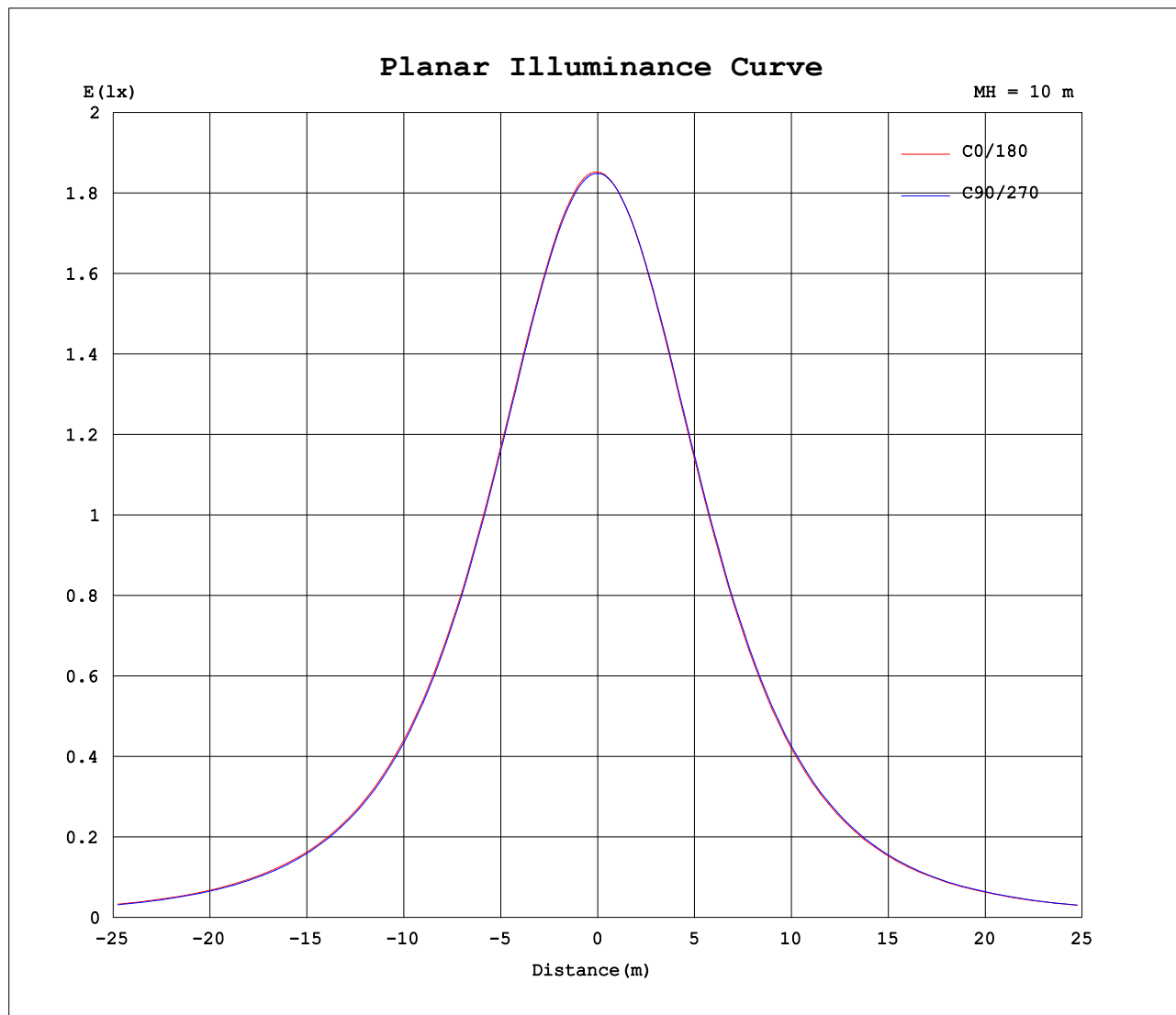
Test:U:24.00V I:0.5116A P:12.28W PF:1.000 Lamp Flux:566.867x1 lm		
NAME: SF15-24V-5050-60-3000K	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYH  
Test Date:2024-08-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LYH  
Test Date: 2024-08-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 10.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.5116A P:12.28W PF:1.000 Lamp Flux:566.867x1 lm		
NAME: SF15-24V-5050-60-3000K	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	185	185	185	185	185	185	185	185	185	185	185	185						
5	185	185	184	184	184	184	184	184	184	184	184	184						
10	183	183	182	182	181	181	181	181	181	181	181	182						
15	179	179	178	178	177	176	176	176	176	177	178	178						
20	173	173	173	172	171	170	170	169	170	171	172	172						
25	166	166	166	165	163	162	162	162	162	163	165	165						
30	157	158	157	156	154	153	153	152	153	154	156	157						
35	147	148	147	146	144	143	142	142	143	144	146	147						
40	137	137	136	135	133	132	131	131	132	133	135	136						
45	125	126	125	123	121	120	119	119	120	121	123	124						
50	112	113	112	110	108	107	106	106	107	108	111	112						
55	99.3	100	99.0	97.1	94.9	94.0	93.4	92.9	94.1	95.0	97.5	98.8						
60	86.0	86.8	85.5	83.6	81.4	80.7	80.1	79.5	80.7	81.5	84.1	85.5						
65	72.5	73.2	71.7	69.9	67.8	67.3	66.7	66.2	67.1	67.9	70.6	72.0						
70	58.9	59.5	57.9	56.0	54.2	53.8	53.4	52.9	53.7	54.2	57.1	58.5						
75	45.4	45.9	44.2	42.2	40.7	40.5	40.2	39.7	40.3	40.7	43.5	44.7						
80	31.9	32.4	30.5	28.6	27.3	27.3	27.0	26.6	26.9	27.1	30.0	31.2						
85	18.6	18.7	17.0	15.1	13.9	14.4	14.5	13.7	13.6	13.6	16.6	17.8						
90	8.26	7.82	5.43	2.97	4.42	6.27	6.39	5.53	3.91	1.89	4.78	7.00						
95	3.90	3.70	3.41	3.00	3.84	4.67	4.13	3.97	3.07	1.86	2.49	2.92						
100	3.73	3.57	3.36	3.12	3.82	4.59	4.06	3.92	3.07	1.95	2.52	2.78						
105	3.70	3.44	3.32	3.21	3.82	4.50	4.01	3.87	3.08	2.10	2.57	2.77						
110	3.65	3.43	3.34	3.25	3.81	4.41	3.95	3.83	3.09	2.20	2.64	2.79						
115	3.64	3.51	3.38	3.26	3.78	4.33	3.91	3.78	3.09	2.30	2.72	2.81						
120	3.64	3.54	3.44	3.29	3.72	4.29	3.82	3.73	3.10	2.39	2.78	2.88						
125	3.64	3.54	3.44	3.32	3.62	4.20	3.77	3.68	3.14	2.42	2.85	2.96						
130	3.67	3.54	3.46	3.39	3.60	4.12	3.74	3.67	3.18	2.56	2.95	3.00						
135	3.71	3.54	3.50	3.47	3.63	4.03	3.71	3.65	3.24	2.67	3.06	3.03						
140	3.72	3.56	3.54	3.54	3.72	3.96	3.68	3.64	3.34	2.77	3.17	3.06						
145	3.75	3.58	3.55	3.60	3.73	3.95	3.70	3.65	3.39	2.84	3.27	3.17						
150	3.78	3.60	3.56	3.69	3.73	3.93	3.65	3.64	3.49	2.97	3.38	3.25						
155	3.81	3.62	3.68	3.74	3.73	3.93	3.59	3.64	3.51	3.18	3.54	3.34						
160	3.83	3.63	3.73	3.79	3.70	3.89	3.58	3.65	3.55	3.41	3.56	3.44						
165	3.84	3.72	3.78	3.83	3.71	3.78	3.55	3.67	3.66	3.55	3.52	3.63						
170	3.67	3.84	3.82	3.87	3.77	3.80	3.57	3.63	3.76	3.71	3.60	3.73						
175	3.67	3.83	3.85	3.88	3.83	3.77	3.63	3.60	3.84	3.82	3.77	3.74						
180	3.67	3.81	3.86	3.88	3.86	3.73	3.63	3.72	3.86	3.86	3.88	3.68						

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYH  
Test Date:2024-08-02

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.000m [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	185.2	185.1	184.9	184.9	184.9	184.9	185.2	185.1	184.9	184.9
3.0	185.2	185.0	184.9	184.7	184.5	184.4	184.7	184.4	184.4	184.5
6.0	184.5	184.4	184.1	183.8	183.5	183.3	183.5	183.2	183.3	183.5
9.0	183.1	183.2	182.8	182.4	181.8	181.6	181.7	181.3	181.6	181.8
12.0	181.1	181.4	180.8	180.3	179.5	179.2	179.2	178.9	179.3	179.5
15.0	178.5	178.9	178.2	177.6	176.6	176.3	176.2	175.7	176.3	176.7
18.0	175.3	175.9	175.0	174.4	173.2	172.7	172.5	172.2	172.7	173.2
21.0	171.6	172.1	171.3	170.5	169.2	168.6	168.3	168.0	168.7	169.2
24.0	167.4	168.0	167.0	166.2	164.7	164.1	163.6	163.3	164.1	164.8
27.0	162.6	163.1	162.3	161.4	159.7	159.1	158.5	158.1	158.9	159.7
30.0	157.3	158.0	157.0	155.9	154.1	153.3	152.8	152.5	153.4	154.1
33.0	151.5	152.3	151.2	150.2	148.2	147.4	146.7	146.4	147.4	148.1
36.0	145.4	146.1	145.1	143.8	141.8	141.0	140.3	139.9	141.0	141.8
39.0	138.8	139.7	138.6	137.2	135.1	134.2	133.5	133.1	134.2	135.0
42.0	131.9	132.8	131.7	130.3	128.1	127.2	126.4	126.1	127.2	128.1
45.0	124.9	125.6	124.6	122.9	120.8	119.7	119.0	118.8	119.8	120.6
48.0	117.4	118.2	117.2	115.5	113.3	112.3	111.5	111.2	112.3	113.1
51.0	109.8	110.6	109.5	107.7	105.5	104.6	103.9	103.4	104.6	105.6
54.0	101.9	102.8	101.6	99.72	97.57	96.55	95.89	95.60	96.60	97.51
57.0	94.02	94.94	93.59	91.81	89.52	88.76	88.07	87.64	88.70	89.49
60.0	86.01	86.76	85.49	83.60	81.45	80.70	80.12	79.53	80.68	81.50
63.0	77.91	78.60	77.28	75.31	73.32	72.54	72.00	71.63	72.49	73.35
66.0	69.78	70.47	69.00	67.09	65.10	64.60	63.97	63.60	64.41	65.05
69.0	61.65	62.23	60.76	58.81	56.92	56.47	56.00	55.54	56.32	57.13
72.0	53.52	53.98	52.48	50.70	48.84	48.44	48.04	47.64	48.23	48.91
75.0	45.37	45.89	44.21	42.21	40.72	40.51	40.16	39.66	40.26	40.66
78.0	37.27	37.64	35.94	34.26	32.60	32.54	32.32	31.63	32.22	32.51
81.0	29.19	29.81	27.79	25.75	24.58	24.61	24.48	23.88	24.26	24.61
84.0	21.17	21.50	19.65	17.88	16.59	16.88	16.79	16.14	16.31	16.26
87.0	13.55	13.73	11.54	9.461	8.863	10.47	10.65	9.720	8.643	8.521
90.0	8.260	7.819	5.427	2.968	4.418	6.267	6.387	5.533	3.907	1.890
93.0	4.900	4.630	3.432	2.939	3.862	4.742	4.310	4.040	3.069	1.863
96.0	3.774	3.625	3.406	3.028	3.838	4.666	4.110	3.962	3.069	1.875
99.0	3.732	3.578	3.371	3.099	3.820	4.612	4.092	3.921	3.069	1.922
102.0	3.708	3.536	3.318	3.164	3.820	4.559	4.039	3.891	3.069	2.016
105.0	3.696	3.442	3.318	3.211	3.820	4.500	4.009	3.868	3.081	2.099
108.0	3.655	3.430	3.335	3.235	3.820	4.459	3.997	3.850	3.087	2.141
111.0	3.643	3.430	3.347	3.252	3.814	4.400	3.944	3.814	3.087	2.217
114.0	3.643	3.472	3.376	3.258	3.785	4.370	3.909	3.785	3.093	2.288
117.0	3.643	3.530	3.406	3.264	3.755	4.317	3.861	3.767	3.093	2.342
120.0	3.643	3.542	3.436	3.288	3.720	4.293	3.820	3.726	3.099	2.389
123.0	3.643	3.542	3.436	3.306	3.655	4.234	3.814	3.702	3.117	2.401
126.0	3.643	3.542	3.442	3.329	3.613	4.181	3.761	3.684	3.152	2.454
129.0	3.660	3.542	3.453	3.377	3.601	4.134	3.749	3.666	3.176	2.525
132.0	3.678	3.542	3.483	3.424	3.601	4.104	3.726	3.661	3.199	2.602
135.0	3.714	3.536	3.501	3.466	3.625	4.033	3.708	3.649	3.241	2.673
138.0	3.714	3.554	3.530	3.513	3.666	3.992	3.684	3.643	3.300	2.732
141.0	3.731	3.560	3.536	3.554	3.714	3.950	3.690	3.637	3.353	2.779
144.0	3.737	3.572	3.536	3.584	3.726	3.950	3.696	3.637	3.389	2.815
147.0	3.755	3.590	3.548	3.631	3.726	3.944	3.678	3.643	3.436	2.868
150.0	3.779	3.601	3.560	3.690	3.726	3.933	3.655	3.643	3.489	2.974
153.0	3.808	3.613	3.666	3.732	3.726	3.927	3.601	3.643	3.507	3.087
156.0	3.814	3.625	3.696	3.755	3.726	3.926	3.590	3.649	3.507	3.234
159.0	3.820	3.631	3.726	3.785	3.696	3.885	3.595	3.655	3.531	3.359
162.0	3.826	3.643	3.749	3.814	3.696	3.873	3.578	3.672	3.590	3.465
165.0	3.844	3.721	3.779	3.832	3.714	3.779	3.554	3.672	3.661	3.554
168.0	3.744	3.844	3.808	3.856	3.743	3.785	3.554	3.643	3.720	3.643
171.0	3.666	3.844	3.820	3.873	3.790	3.797	3.584	3.625	3.785	3.731
174.0	3.666	3.832	3.844	3.879	3.826	3.796	3.608	3.601	3.832	3.796
177.0	3.666	3.832	3.856	3.879	3.832	3.737	3.631	3.613	3.862	3.814
180.0	3.666	3.814	3.862	3.879	3.862	3.726	3.631	3.720	3.862	3.862
G/C	300.0	330.0								
0.0	184.9	184.9								
3.0	184.6	184.9								
6.0	183.8	184.2								
9.0	182.4	182.8								
12.0	180.3	180.7								
15.0	177.7	178.1								
18.0	174.3	174.8								
21.0	170.5	171.1								
24.0	166.1	166.9								
27.0	161.3	162.0								
30.0	155.9	156.6								

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LYH  
 Test Date: 2024-08-02

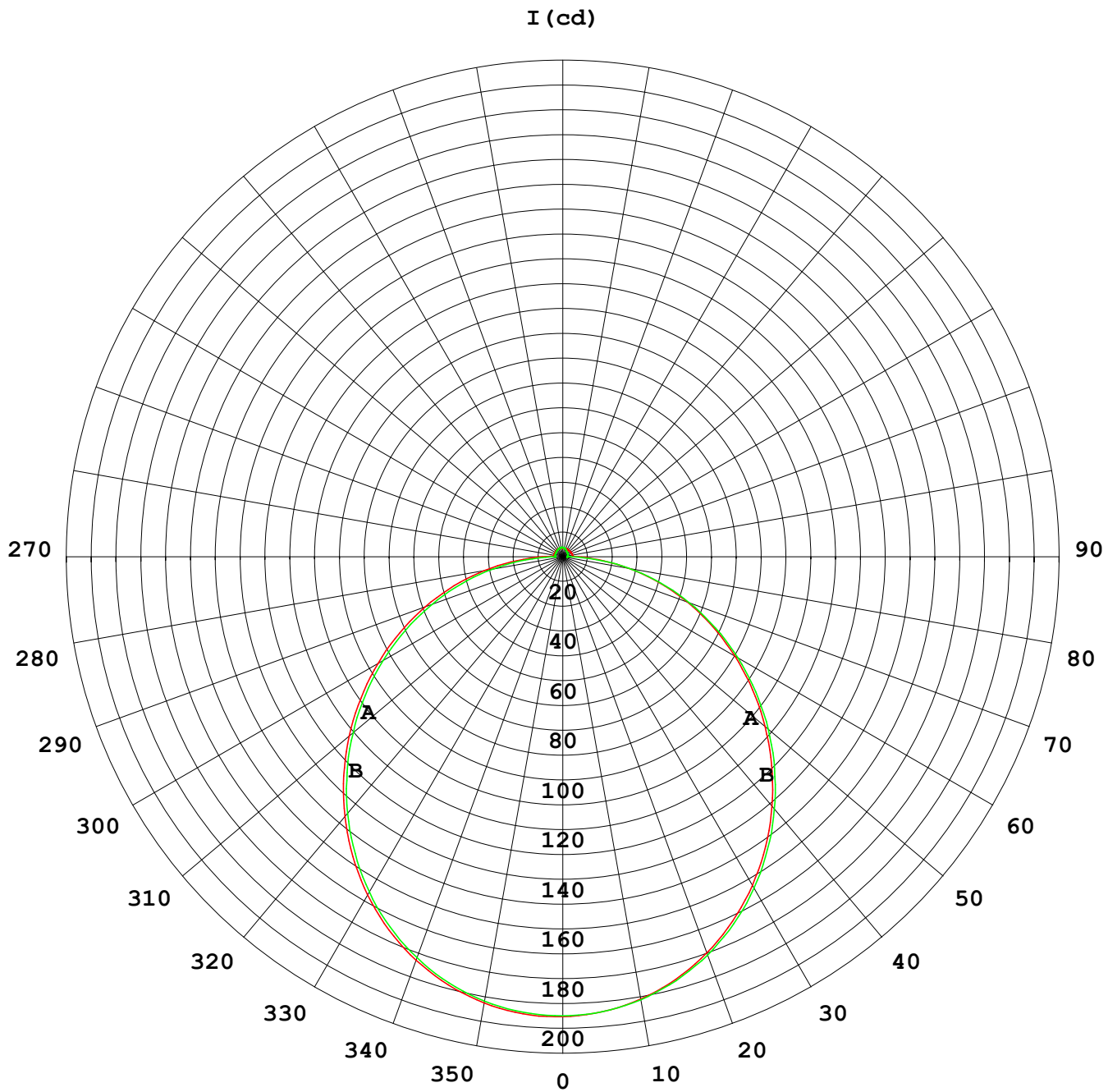
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 10.000m [K=1.0000]  
 Remarks:

## Photometric Data Table [cd]

33.0	150.1	151.0
36.0	143.9	144.7
39.0	137.3	138.1
42.0	130.3	131.4
45.0	123.0	124.2
48.0	115.6	116.7
51.0	108.0	109.1
54.0	100.1	101.5
57.0	92.18	93.20
60.0	84.11	85.47
63.0	76.01	77.14
66.0	67.94	69.06
69.0	59.76	61.00
72.0	51.58	52.84
75.0	43.49	44.72
78.0	35.38	36.86
81.0	27.34	28.58
84.0	19.29	20.49
87.0	11.23	12.78
90.0	4.777	6.996
93.0	2.501	3.685
96.0	2.490	2.828
99.0	2.525	2.773
102.0	2.537	2.749
105.0	2.573	2.768
108.0	2.614	2.785
111.0	2.661	2.791
114.0	2.709	2.809
117.0	2.756	2.868
120.0	2.779	2.880
123.0	2.821	2.921
126.0	2.874	2.957
129.0	2.928	2.975
132.0	2.992	3.033
135.0	3.058	3.028
138.0	3.123	3.034
141.0	3.194	3.104
144.0	3.253	3.158
147.0	3.312	3.187
150.0	3.377	3.247
153.0	3.495	3.294
156.0	3.554	3.353
159.0	3.560	3.418
162.0	3.548	3.471
165.0	3.525	3.630
168.0	3.548	3.702
171.0	3.631	3.731
174.0	3.720	3.737
177.0	3.844	3.708
180.0	3.879	3.684

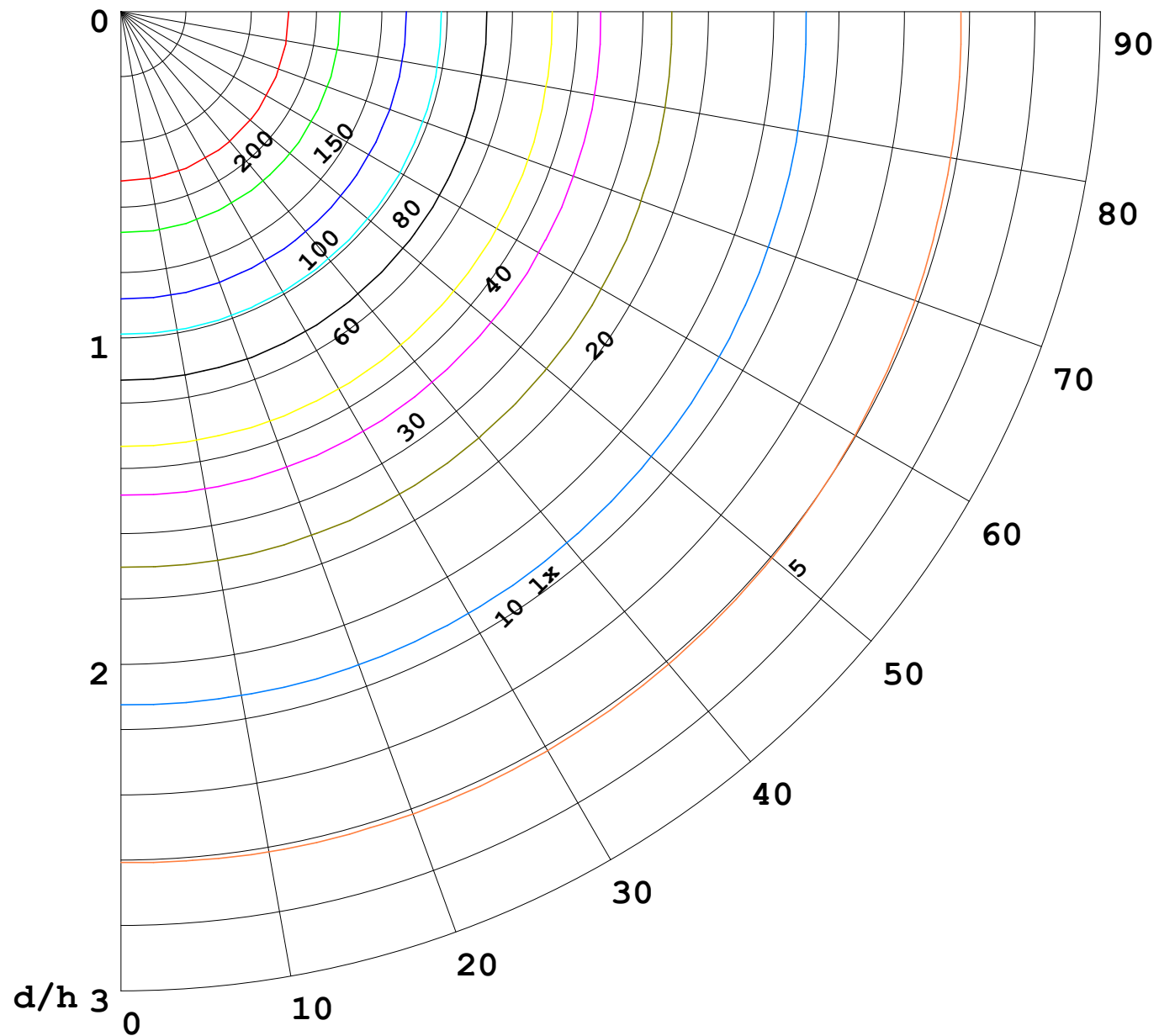
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYH  
Test Date:2024-08-02

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:



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

