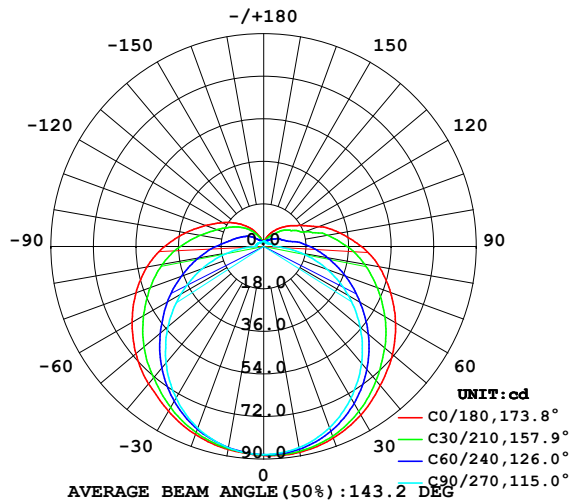


LUMINAIRE PHOTOMETRIC TEST REPORT

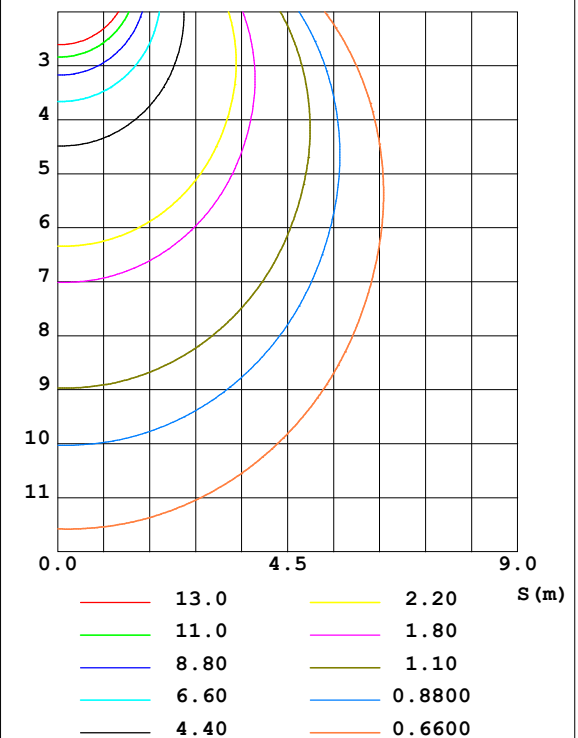
Test:U:24.00V I:0.4870A P:11.69W PF:1.000 Lamp Flux:419.476x1 lm		
NAME: SF21-24V-5050-60-2700K	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 35.89 lm/W			
MODEL		I _{max} (cd)	88.67	S/MH (C0/180)	1.39
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.25
RATED VOLTAGE (V)		TOTAL FLUX (lm)	419.48	η UP, DN (C0-180)	9.1, 40.7
NOMINAL FLUX (lm)	419.476	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	9.4, 40.9
LAMPS INSIDE	1	η up (%)	18.4	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)		η down (%)	81.6	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



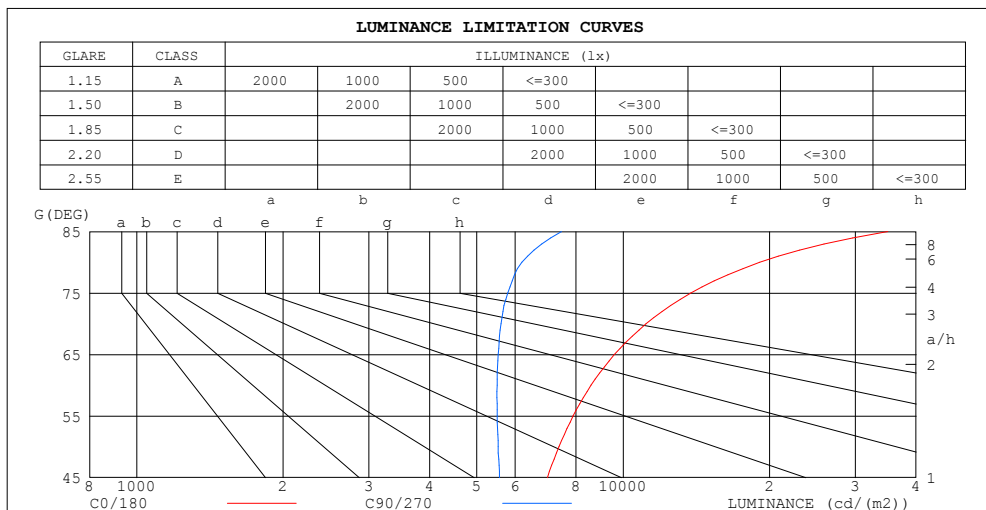
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LYH
Test Date: 2024-08-15

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	88.40	87.56	86.40	86.31	87.21	86.59	86.47	87.39	0- 10	8.359	8.359	1.99,1.99
20	86.27	84.30	81.62	82.66	84.68	82.99	81.71	84.27	10- 20	24.18	32.54	7.76,7.76
30	82.30	78.61	73.95	76.79	80.54	77.20	74.09	78.81	20- 30	37.35	69.89	16.7,16.7
40	76.85	71.04	64.51	69.37	75.80	69.79	64.26	71.44	30- 40	46.51	116.4	27.7,27.7
50	71.16	62.35	53.37	61.42	70.60	61.67	52.83	63.29	40- 50	51.27	167.7	40,40
60	64.43	53.13	41.30	52.79	64.29	52.94	40.57	54.36	50- 60	51.61	219.3	52.3,52.3
70	57.15	44.03	28.76	44.02	57.55	44.13	27.74	45.48	60- 70	48.06	267.3	63.7,63.7
80	49.69	35.39	16.13	35.74	50.18	35.73	14.91	36.89	70- 80	41.58	308.9	73.6,73.6
90	41.36	27.44	4.392	27.83	41.92	27.76	3.523	28.86	80- 90	33.26	342.2	81.6,81.6
100	32.93	19.97	4.114	21.10	33.54	20.92	3.326	20.92	90-100	25.18	367.4	87.6,87.6
110	24.63	13.11	3.434	16.30	26.17	16.10	3.095	14.91	100-110	18.33	385.7	91.9,91.9
120	17.90	10.25	2.603	12.70	20.24	12.53	2.834	11.43	110-120	12.98	398.7	95,95
130	13.54	7.849	2.124	9.612	15.45	9.546	2.555	8.546	120-130	9.057	407.7	97.2,97.2
140	9.951	5.425	1.893	6.836	11.09	6.606	2.367	6.112	130-140	5.817	413.6	98.6,98.6
150	6.927	3.914	2.051	4.409	7.101	4.409	2.167	4.163	140-150	3.345	416.9	99.4,99.4
160	4.432	2.861	2.124	2.812	3.783	2.713	2.026	2.831	150-160	1.658	418.6	99.8,99.8
170	2.338	2.318	2.167	2.121	2.021	2.066	2.148	2.276	160-170	0.7087	419.3	100,100
180	2.057	2.212	2.185	2.154	2.003	2.176	2.160	2.185	170-180	0.2063	419.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	34957	7468
80	19078	6193
75	13769	5795
70	11140	5606
65	9596	5536
60	8590	5506
55	7891	5513
50	7380	5535
45	6983	5571

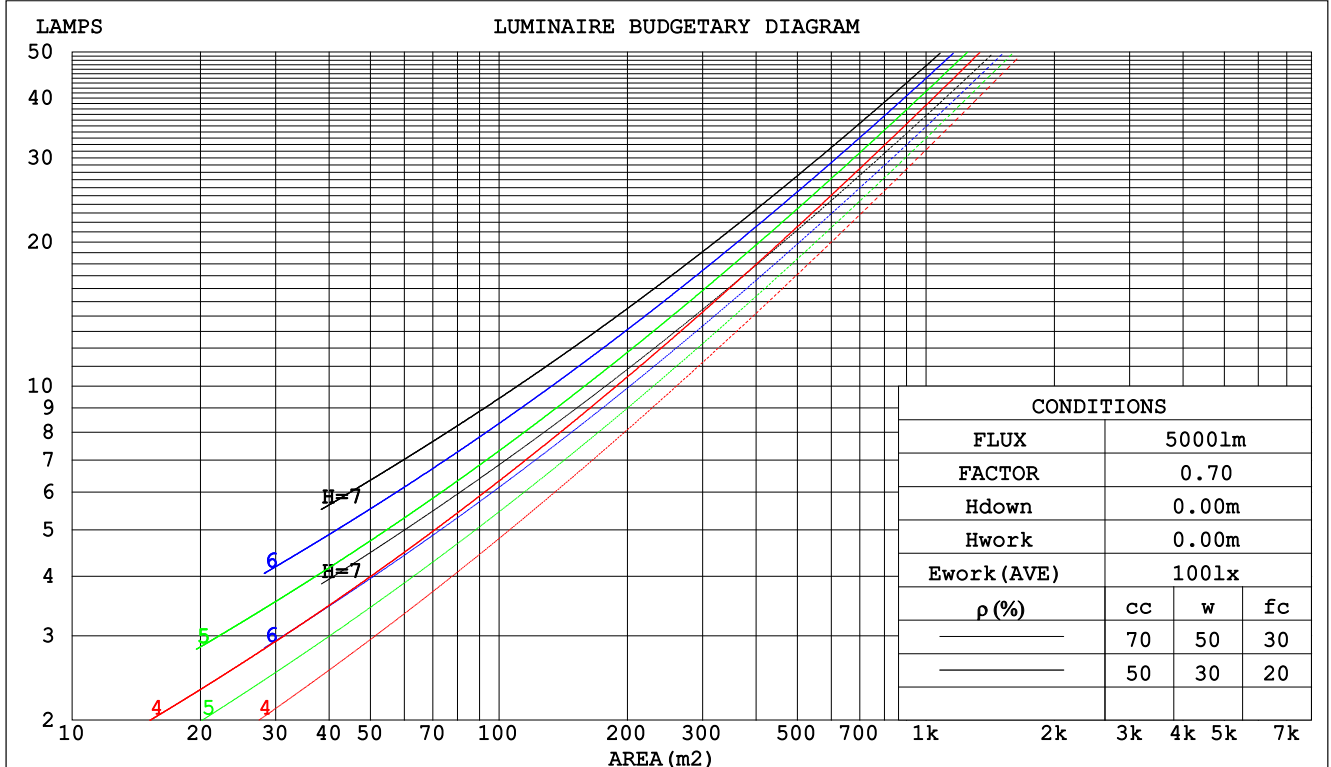
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LYH
Test Date:2024-08-15

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.4870A P:11.69W PF:1.000 Lamp Flux:419.476x1 lm		
NAME: SF21-24V-5050-60-2700K	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	1.15	1.15	1.15	1.10	1.10	1.10	1.01	1.01	1.01	.93	.93	.93	.85	.85	.85	.82
1.0	.95	.90	.85	.91	.86	.82	.83	.79	.76	.76	.73	.70	.70	.67	.65	.61
2.0	.81	.73	.67	.78	.70	.64	.71	.65	.60	.65	.60	.56	.59	.55	.52	.49
3.0	.70	.61	.54	.67	.59	.52	.62	.55	.49	.56	.51	.46	.51	.47	.43	.40
4.0	.62	.52	.45	.59	.50	.44	.54	.47	.41	.50	.43	.38	.45	.40	.36	.33
5.0	.55	.45	.38	.52	.44	.37	.48	.41	.35	.44	.38	.33	.41	.35	.31	.28
6.0	.49	.40	.33	.47	.38	.32	.43	.36	.30	.40	.33	.28	.37	.31	.27	.24
7.0	.44	.35	.29	.42	.34	.28	.39	.32	.26	.36	.30	.25	.33	.28	.24	.21
8.0	.40	.31	.25	.39	.30	.25	.36	.29	.23	.33	.27	.22	.31	.25	.21	.19
9.0	.37	.28	.23	.35	.27	.22	.33	.26	.21	.30	.24	.20	.28	.23	.19	.17
10.0	.34	.26	.20	.33	.25	.20	.30	.24	.19	.28	.22	.18	.26	.21	.17	.15



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LYH
Test Date:2024-08-15

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:0.4870A P:11.69W PF:1.000 Lamp Flux:419.476x1 lm								
NAME: SF21-24V-5050-60-2700K				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	.392	.223	.071	.380	.217	.069	.355	.204	.065	.333	.192	.062	.313	.181	.058	
2.0	.338	.185	.057	.326	.180	.055	.304	.169	.053	.284	.160	.050	.266	.150	.047	
3.0	.299	.159	.048	.289	.155	.047	.269	.146	.044	.251	.137	.042	.234	.129	.040	
4.0	.269	.140	.041	.259	.136	.040	.241	.128	.038	.225	.121	.036	.209	.114	.035	
5.0	.244	.124	.036	.235	.121	.035	.219	.114	.034	.204	.108	.032	.190	.101	.030	
6.0	.223	.112	.032	.215	.109	.031	.201	.103	.030	.187	.097	.029	.174	.092	.027	
7.0	.206	.102	.029	.199	.099	.028	.185	.094	.027	.172	.088	.026	.160	.083	.024	
8.0	.191	.093	.026	.184	.091	.026	.172	.086	.024	.160	.081	.023	.149	.077	.022	
9.0	.178	.086	.024	.172	.084	.023	.160	.079	.022	.149	.075	.021	.139	.071	.020	
10.0	.166	.080	.022	.161	.078	.022	.150	.073	.021	.140	.070	.020	.131	.066	.019	

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	.331	.331	.331	.283	.283	.283	.193	.193	.193	.111	.111	.111	.035	.035	.035	
1.0	.328	.297	.269	.280	.255	.232	.192	.175	.160	.110	.101	.093	.035	.033	.030	
2.0	.321	.274	.235	.275	.236	.203	.188	.163	.142	.109	.095	.083	.035	.031	.027	
3.0	.313	.258	.213	.269	.222	.185	.184	.154	.130	.107	.090	.076	.034	.029	.025	
4.0	.306	.245	.199	.262	.212	.173	.180	.148	.122	.104	.087	.072	.034	.028	.024	
5.0	.298	.236	.190	.256	.204	.165	.176	.142	.116	.102	.084	.069	.033	.027	.023	
6.0	.290	.228	.183	.250	.197	.159	.172	.138	.112	.100	.081	.067	.032	.027	.022	
7.0	.283	.221	.177	.244	.192	.155	.168	.134	.110	.098	.079	.065	.032	.026	.022	
8.0	.276	.215	.174	.238	.187	.151	.165	.131	.107	.096	.077	.064	.031	.025	.021	
9.0	.270	.211	.170	.233	.183	.149	.161	.129	.106	.094	.076	.063	.030	.025	.021	
10.0	.264	.207	.168	.228	.179	.147	.158	.126	.104	.092	.075	.062	.030	.025	.021	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LYH
 Test Date:2024-08-15

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:0.4870A P:11.69W PF:1.000 Lamp Flux:419.476x1 lm											
NAME: SF21-24V-5050-60-2700K						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	19.2	20.6	19.8	21.1	21.7	17.4	18.8	17.9	19.3	19.9	
	3H	22.0	23.2	22.5	23.8	24.4	19.2	20.5	19.7	21.0	21.6
	4H	23.5	24.7	24.0	25.2	25.9	20.1	21.3	20.6	21.8	22.5
	6H	25.1	26.3	25.7	26.9	27.5	20.8	22.0	21.4	22.6	23.2
	8H	26.1	27.2	26.7	27.8	28.4	21.2	22.3	21.8	22.9	23.5
	12H	27.1	28.2	27.7	28.8	29.5	21.5	22.5	22.1	23.1	23.8
4H	2H	19.8	21.0	20.4	21.6	22.2	18.5	19.7	19.0	20.2	20.9
	3H	22.8	23.8	23.4	24.4	25.1	20.5	21.6	21.1	22.2	22.8
	4H	24.5	25.5	25.1	26.1	26.8	21.5	22.5	22.1	23.1	23.8
	6H	26.4	27.2	27.0	27.9	28.6	22.5	23.4	23.1	24.0	24.8
	8H	27.4	28.2	28.1	28.9	29.7	22.9	23.7	23.6	24.4	25.2
	12H	28.6	29.4	29.3	30.1	30.9	23.3	24.1	24.0	24.7	25.5
8H	4H	24.8	25.7	25.5	26.3	27.1	22.5	23.3	23.1	24.0	24.7
	6H	27.0	27.7	27.7	28.4	29.2	23.7	24.4	24.4	25.1	25.9
	8H	28.3	28.9	29.0	29.6	30.5	24.4	25.0	25.1	25.7	26.5
	12H	29.8	30.3	30.5	31.0	31.9	25.0	25.5	25.7	26.3	27.1
12H	4H	24.9	25.6	25.5	26.3	27.1	22.8	23.5	23.5	24.2	25.0
	6H	27.2	27.8	27.9	28.5	29.3	24.3	24.9	25.0	25.6	26.4
	8H	28.5	29.1	29.3	29.8	30.7	25.0	25.6	25.8	26.3	27.2
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4					

CIE Pub.117 Corrected 419.5 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: LYH
 Test Date: 2024-08-15

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:0.4870A P:11.69W PF:1.000 Lamp Flux:419.476x1 lm		
NAME: SF21-24V-5050-60-2700K	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

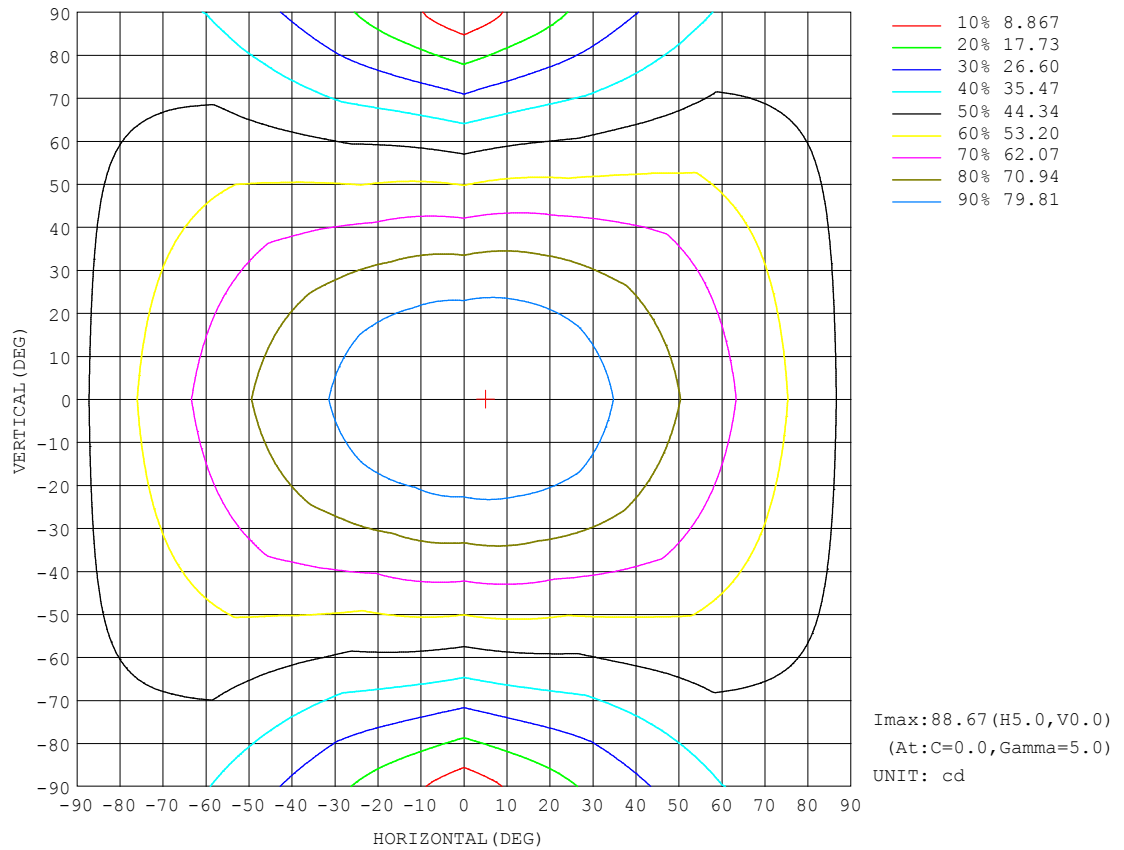
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	47	35	27	46	34	27	44	33	27	20
0.80	56	43	35	55	42	35	52	41	34	26
1.00	64	51	42	62	50	42	58	50	41	32
1.25	71	58	49	69	57	49	64	54	47	37
1.50	76	64	55	73	62	54	68	59	52	41
2.00	83	72	64	80	70	62	74	66	59	48
2.50	88	77	69	84	75	68	78	70	64	51
3.00	92	82	75	88	79	72	81	74	69	55
4.00	96	88	82	92	85	79	85	79	74	60
5.00	99	92	86	95	89	84	88	83	78	63
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: 2024-08-15

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:

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.4870A P:11.69W PF:1.000 Lamp Flux:419.476x1 lm		
NAME: SF21-24V-5050-60-2700K	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

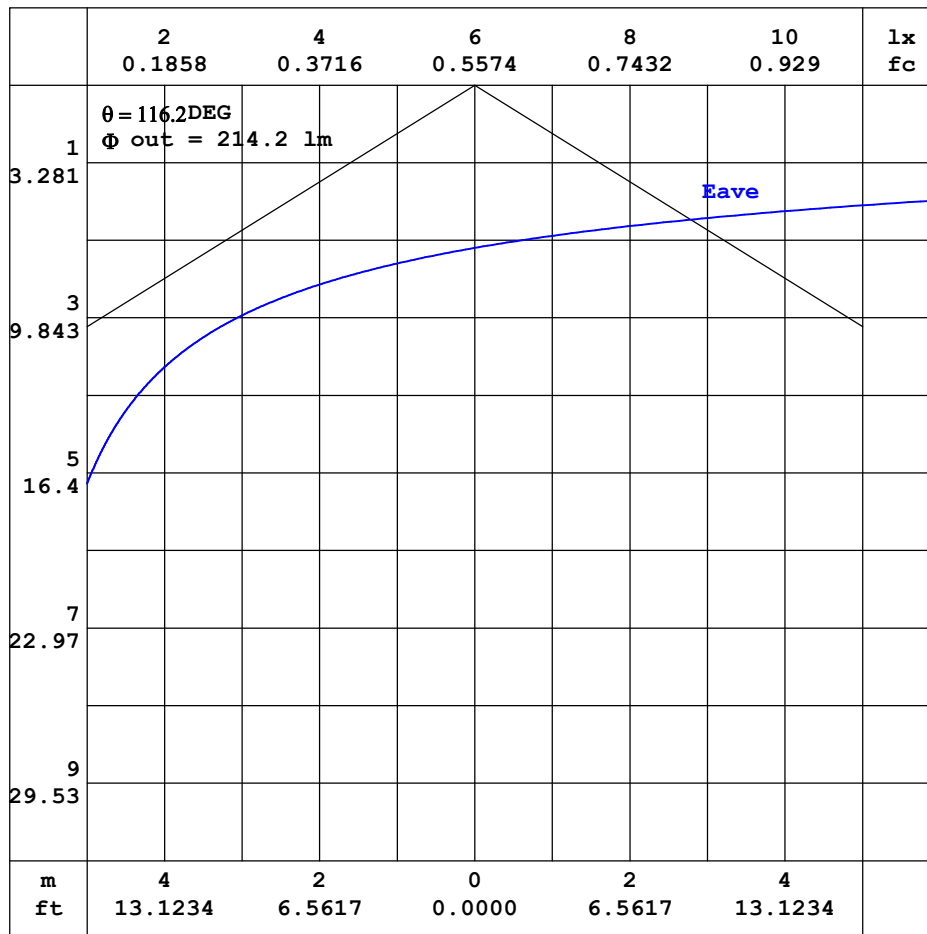


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LYH
Test Date:2024-08-15

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:

AAI CURVES

Test:U:24.00V I:0.4870A P:11.69W PF:1.000 Lamp Flux:419.476x1 lm		
NAME: SF21-24V-5050-60-2700K	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



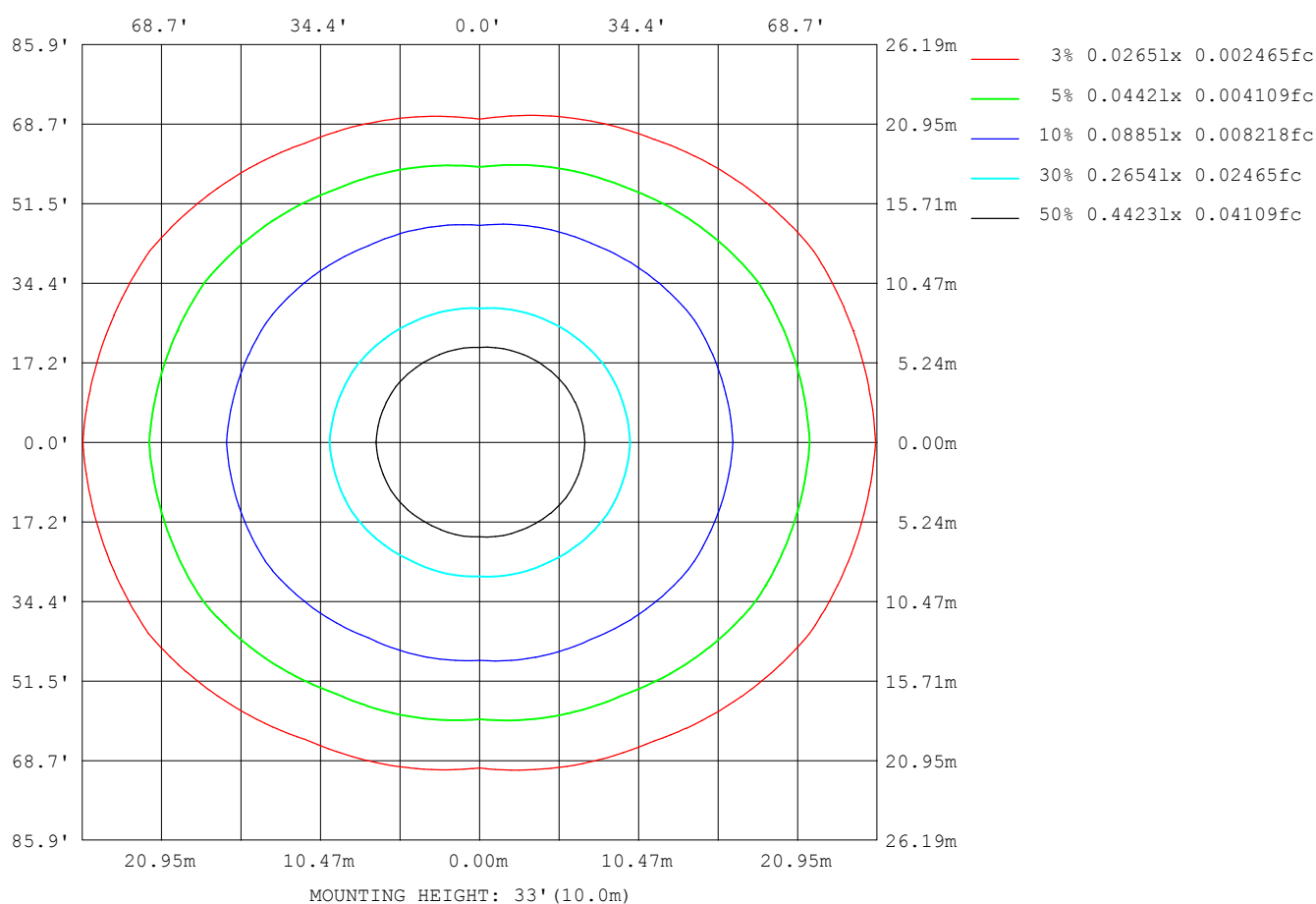
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LYH
Test Date: 2024-08-15

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:

ISOLUX DIAGRAM

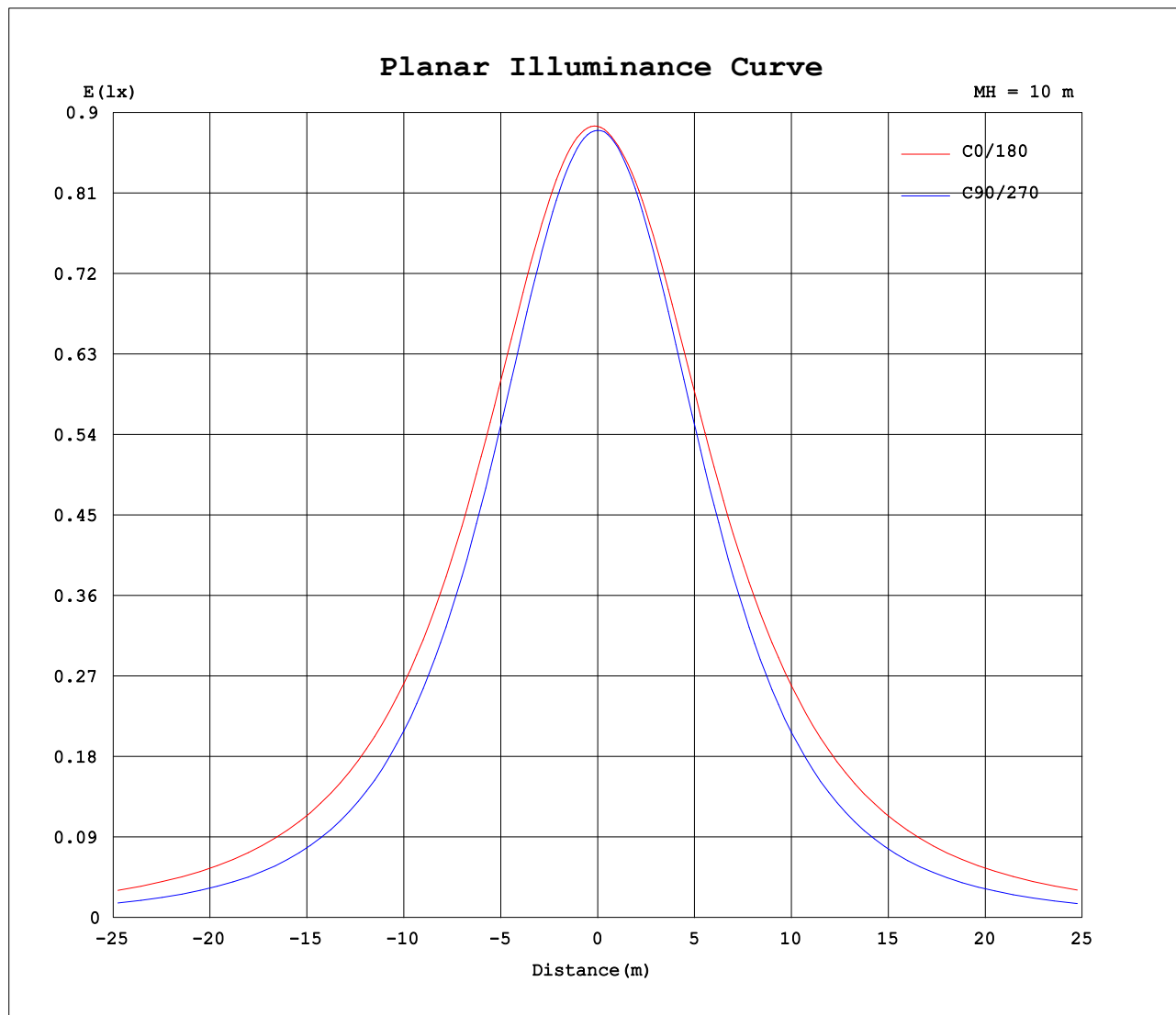
Test:U:24.00V I:0.4870A P:11.69W PF:1.000 Lamp Flux:419.476x1 lm		
NAME: SF21-24V-5050-60-2700K	TYPE:	WEIGHT:
DIM.: Length=1m	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LYH
Test Date: 2024-08-15

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:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LYH
Test Date: 2024-08-15

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.4870A P:11.69W PF:1.000 Lamp Flux:419.476x1 lm		
NAME: SF21-24V-5050-60-2700K	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	88.5	88.3	88.1	88.0	87.9	87.9	88.5	88.3	88.1	88.0	87.9	87.9						
5	88.7	88.4	88.0	87.6	87.4	87.3	87.9	87.7	87.5	87.7	87.8	88.1						
10	88.4	88.0	87.1	86.4	86.1	86.5	87.2	86.8	86.3	86.5	87.0	87.7						
15	87.6	87.0	85.5	84.4	84.3	85.3	86.2	85.6	84.6	84.5	85.5	86.7						
20	86.3	85.4	83.2	81.6	81.8	83.5	84.7	83.7	82.3	81.7	83.3	85.2						
25	84.5	83.2	80.2	78.1	78.7	81.2	82.8	81.5	79.2	78.2	80.5	83.1						
30	82.3	80.6	76.6	74.0	75.0	78.6	80.5	78.7	75.7	74.1	77.1	80.5						
35	79.7	77.5	72.5	69.4	70.9	75.5	78.0	75.7	71.6	69.4	73.1	77.6						
40	76.8	74.1	68.0	64.5	66.5	72.3	75.8	72.5	67.1	64.3	68.7	74.2						
45	74.1	70.4	63.0	59.1	61.7	69.4	73.4	69.5	62.2	58.7	63.9	70.9						
50	71.2	66.9	57.8	53.4	56.6	66.2	70.6	66.2	57.1	52.8	58.8	67.8						
55	67.9	63.2	52.4	47.4	51.5	62.7	67.5	62.6	52.0	46.8	53.5	64.3						
60	64.4	59.2	47.0	41.3	46.5	59.0	64.3	58.8	47.1	40.6	48.3	60.4						
65	60.8	55.2	42.0	35.1	41.5	55.3	61.0	54.9	42.1	34.2	43.4	56.5						
70	57.1	51.1	36.9	28.8	36.4	51.6	57.5	51.1	37.1	27.7	38.5	52.5						
75	53.5	47.2	32.0	22.5	31.7	47.9	53.9	47.3	32.4	21.3	33.6	48.6						
80	49.7	43.3	27.4	16.1	27.4	44.1	50.2	43.5	28.0	14.9	29.1	44.7						
85	45.7	39.4	23.4	9.76	23.4	40.1	46.2	39.5	24.0	8.44	25.0	40.7						
90	41.4	35.3	19.6	4.39	19.7	36.0	41.9	35.3	20.3	3.52	21.2	36.5						
95	37.0	31.3	16.3	4.20	16.4	32.0	37.7	31.2	17.0	3.45	17.8	32.5						
100	32.9	27.5	12.4	4.11	13.9	28.3	33.5	27.3	14.5	3.33	14.0	27.9						
105	29.0	22.6	9.75	3.87	12.1	24.9	29.7	23.9	12.7	3.21	11.3	24.0						
110	24.6	18.0	8.24	3.43	10.7	21.9	26.2	21.0	11.2	3.10	9.39	20.4						
115	20.7	15.9	7.68	2.95	9.50	19.3	23.0	18.5	9.87	2.97	8.63	17.4						
120	17.9	13.5	6.99	2.60	8.35	17.0	20.2	16.4	8.67	2.83	7.83	15.0						
125	15.5	12.2	5.75	2.35	7.27	15.0	17.7	14.5	7.57	2.69	6.91	13.2						
130	13.5	10.7	4.99	2.12	6.18	13.0	15.4	12.7	6.36	2.56	5.65	11.4						
135	11.7	8.72	4.38	1.95	5.10	11.2	13.2	10.9	5.06	2.45	4.91	9.98						
140	9.95	7.00	3.85	1.89	4.22	9.45	11.1	9.21	4.00	2.37	4.23	7.99						
145	8.40	5.85	3.36	1.90	3.46	7.78	9.24	7.53	3.38	2.30	3.62	6.47						
150	6.93	4.87	2.96	2.05	2.78	6.04	7.10	5.89	2.92	2.17	3.16	5.17						
155	5.62	3.99	2.79	2.08	2.29	4.68	5.06	4.53	2.36	1.95	2.72	3.95						
160	4.43	3.19	2.53	2.12	2.11	3.51	3.78	3.33	2.10	2.03	2.45	3.21						
165	3.43	2.61	2.33	2.15	2.11	2.44	2.64	2.25	2.08	2.15	2.19	2.57						
170	2.34	2.38	2.26	2.17	2.11	2.14	2.02	2.04	2.09	2.15	2.17	2.38						
175	2.06	2.25	2.24	2.18	2.14	2.14	2.00	2.09	2.16	2.15	2.18	2.26						
180	2.06	2.21	2.22	2.18	2.17	2.14	2.00	2.18	2.17	2.16	2.18	2.18						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LYH
Test Date:2024-08-15

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	88.46	88.32	88.10	88.01	87.95	87.94	88.46	88.32	88.10	88.01
3.0	88.63	88.41	88.14	87.87	87.69	87.61	88.14	87.97	87.86	87.92
6.0	88.67	88.37	87.91	87.44	87.16	87.17	87.74	87.50	87.35	87.49
9.0	88.51	88.12	87.38	86.71	86.41	86.70	87.36	87.01	86.63	86.76
12.0	88.14	87.67	86.57	85.70	85.45	86.09	86.86	86.38	85.73	85.75
15.0	87.58	87.00	85.52	84.42	84.27	85.30	86.16	85.56	84.61	84.47
18.0	86.86	86.09	84.20	82.80	82.88	84.27	85.31	84.54	83.26	82.88
21.0	85.94	85.01	82.65	80.94	81.26	83.08	84.34	83.30	81.71	81.05
24.0	84.88	83.72	80.83	78.87	79.38	81.74	83.22	81.95	79.90	78.98
27.0	83.66	82.25	78.83	76.52	77.32	80.22	81.96	80.45	77.87	76.67
30.0	82.30	80.59	76.62	73.95	75.01	78.56	80.54	78.73	75.67	74.09
33.0	80.77	78.83	74.22	71.31	72.61	76.74	79.03	76.92	73.26	71.39
36.0	79.12	76.90	71.65	68.50	70.03	74.82	77.56	75.01	70.70	68.47
39.0	77.40	74.79	68.92	65.49	67.40	72.85	76.23	73.10	68.02	65.31
42.0	75.72	72.66	66.04	62.41	64.61	71.16	74.90	71.29	65.20	62.14
45.0	74.07	70.42	63.05	59.09	61.67	69.44	73.41	69.51	62.23	58.68
48.0	72.39	68.28	59.93	55.67	58.62	67.53	71.77	67.51	59.18	55.24
51.0	70.53	66.19	56.76	52.23	55.53	65.55	70.02	65.45	56.08	51.69
54.0	68.57	63.93	53.50	48.58	52.39	63.45	68.17	63.25	52.99	47.98
57.0	66.52	61.64	50.25	44.99	49.46	61.22	66.27	60.98	50.05	44.29
60.0	64.43	59.23	47.04	41.30	46.54	59.05	64.29	58.76	47.12	40.57
63.0	62.30	56.80	43.96	37.55	43.42	56.76	62.30	56.40	44.15	36.74
66.0	60.11	54.42	40.96	33.85	40.42	54.57	60.30	54.12	41.13	32.88
69.0	57.91	51.95	37.93	30.04	37.44	52.34	58.22	51.92	38.12	29.07
72.0	55.69	49.52	34.93	26.23	34.48	50.08	56.11	49.62	35.17	25.28
75.0	53.45	47.21	32.01	22.50	31.71	47.88	53.94	47.31	32.37	21.35
78.0	51.22	44.89	29.19	18.66	29.07	45.59	51.70	45.02	29.71	17.54
81.0	48.99	42.56	26.59	14.92	26.56	43.31	49.41	42.75	27.17	13.69
84.0	46.51	40.22	24.13	11.13	24.16	40.96	47.00	40.29	24.76	9.808
87.0	44.00	37.82	21.80	7.225	21.83	38.50	44.50	37.91	22.44	5.904
90.0	41.36	35.31	19.56	4.392	19.65	36.02	41.92	35.27	20.26	3.523
93.0	38.72	32.85	17.51	4.218	17.63	33.61	39.34	32.84	18.25	3.465
96.0	36.18	30.49	15.71	4.193	15.88	31.25	36.81	30.40	16.48	3.423
99.0	33.71	28.24	13.45	4.127	14.37	28.99	34.35	28.09	14.95	3.362
102.0	31.36	26.17	10.83	4.053	13.13	26.85	32.00	25.88	13.71	3.277
105.0	29.04	22.59	9.755	3.871	12.11	24.88	29.70	23.87	12.67	3.210
108.0	26.74	20.41	8.767	3.634	11.24	23.02	27.52	22.08	11.76	3.138
111.0	23.61	17.32	8.121	3.337	10.47	21.31	25.51	20.43	10.93	3.065
114.0	21.38	16.25	7.805	3.052	9.731	19.84	23.62	18.97	10.13	2.986
117.0	19.54	15.01	7.442	2.821	9.027	18.34	21.88	17.57	9.373	2.907
120.0	17.90	13.50	6.993	2.603	8.347	17.05	20.24	16.38	8.670	2.834
123.0	16.33	12.87	6.132	2.451	7.697	15.78	18.71	15.25	8.002	2.743
126.0	15.08	11.86	5.561	2.294	7.066	14.57	17.27	14.18	7.359	2.658
129.0	13.93	11.03	5.123	2.166	6.435	13.43	15.89	13.10	6.666	2.592
132.0	12.79	10.11	4.723	2.063	5.695	12.29	14.56	11.99	5.811	2.513
135.0	11.66	8.724	4.377	1.948	5.100	11.20	13.22	10.93	5.059	2.446
138.0	10.65	7.371	4.049	1.905	4.565	10.15	11.91	9.882	4.397	2.397
141.0	9.611	6.782	3.740	1.893	4.068	9.118	10.71	8.869	3.840	2.349
144.0	8.694	6.073	3.442	1.893	3.606	8.135	9.609	7.928	3.482	2.324
147.0	7.789	5.448	3.199	1.912	3.193	7.018	8.473	6.830	3.234	2.258
150.0	6.927	4.865	2.962	2.051	2.775	6.042	7.101	5.895	2.923	2.167
153.0	6.127	4.289	2.889	2.057	2.422	5.198	5.592	5.082	2.518	2.021
156.0	5.374	3.810	2.726	2.094	2.240	4.434	4.755	4.262	2.293	1.942
159.0	4.651	3.336	2.574	2.118	2.130	3.724	4.087	3.546	2.130	1.966
162.0	4.008	2.918	2.440	2.142	2.106	2.983	3.239	2.807	2.075	2.105
165.0	3.431	2.610	2.331	2.154	2.106	2.439	2.638	2.252	2.075	2.148
168.0	2.769	2.524	2.270	2.166	2.106	2.178	2.256	2.058	2.076	2.148
171.0	2.234	2.324	2.252	2.173	2.106	2.136	2.003	2.039	2.106	2.148
174.0	2.070	2.257	2.245	2.179	2.124	2.136	2.003	2.081	2.148	2.148
177.0	2.063	2.221	2.239	2.185	2.166	2.136	2.003	2.136	2.173	2.148
180.0	2.057	2.209	2.215	2.185	2.173	2.136	2.003	2.179	2.173	2.160
G/C	300.0	330.0								
0.0	87.95	87.94								
3.0	87.92	88.08								
6.0	87.70	88.09								
9.0	87.25	88.06								
12.0	86.52	87.41								
15.0	85.54	86.74								
18.0	84.31	85.91								
21.0	82.82	84.81								
24.0	81.14	83.59								
27.0	79.22	82.14								
30.0	77.09	80.53								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LYH
 Test Date: 2024-08-15

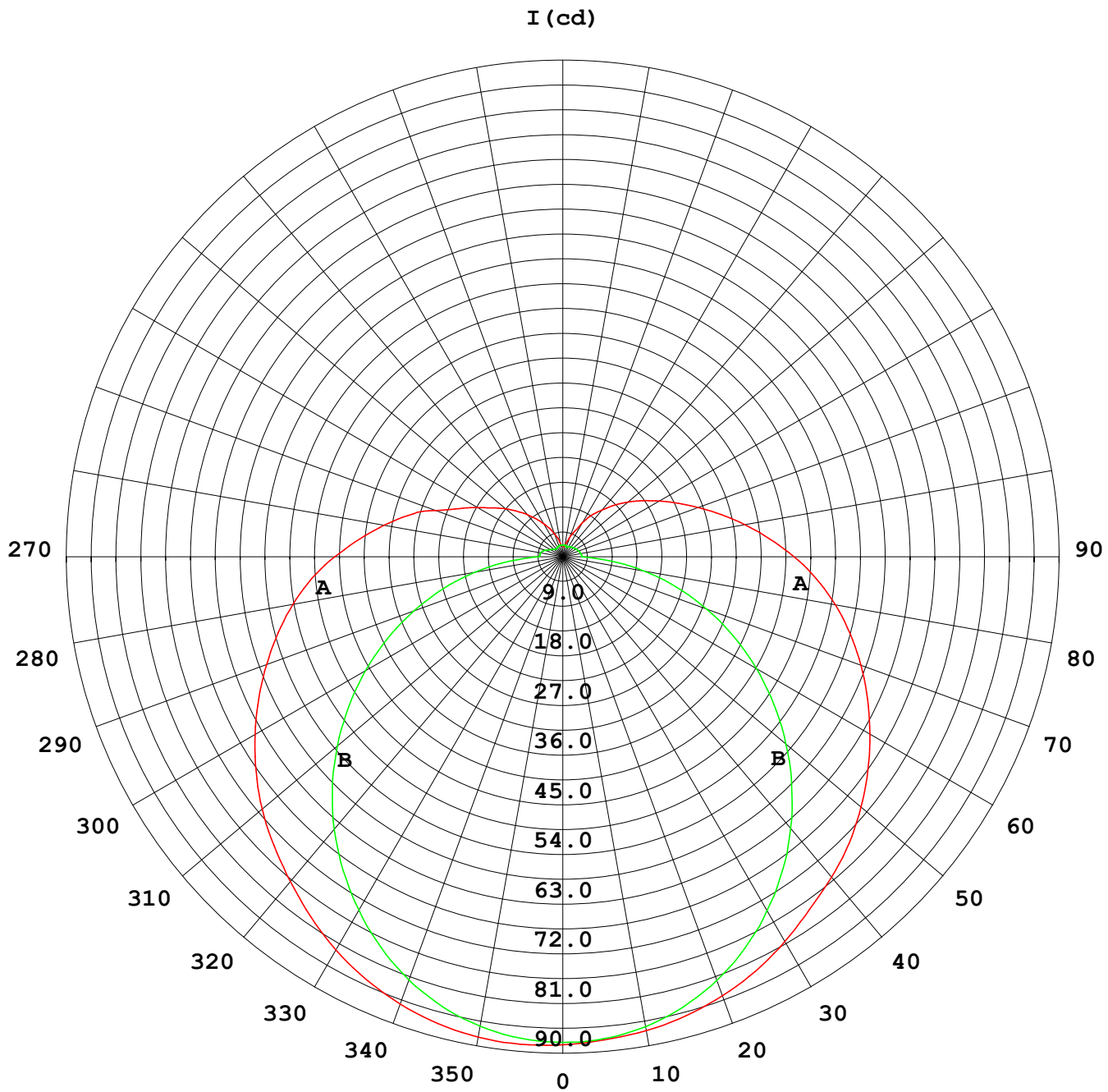
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

33.0	74.79	78.79
36.0	72.28	76.91
39.0	69.62	74.89
42.0	66.82	72.81
45.0	63.89	70.89
48.0	60.87	68.99
51.0	57.78	67.07
54.0	54.61	64.96
57.0	51.44	62.68
60.0	48.29	60.44
63.0	45.33	58.02
66.0	42.43	55.63
69.0	39.47	53.31
72.0	36.52	50.89
75.0	33.64	48.56
78.0	30.84	46.24
81.0	28.25	43.95
84.0	25.81	41.52
87.0	23.45	39.21
90.0	21.18	36.55
93.0	19.10	34.15
96.0	17.28	31.63
99.0	14.77	28.85
102.0	12.89	24.73
105.0	11.28	24.05
108.0	10.02	21.99
111.0	9.144	19.69
114.0	8.828	18.02
117.0	8.215	16.21
120.0	7.833	15.02
123.0	7.353	13.95
126.0	6.719	12.90
129.0	5.686	11.91
132.0	5.363	10.93
135.0	4.908	9.980
138.0	4.471	8.869
141.0	4.101	7.710
144.0	3.725	6.769
147.0	3.422	5.925
150.0	3.161	5.166
153.0	2.924	4.323
156.0	2.645	3.776
159.0	2.500	3.345
162.0	2.324	2.969
165.0	2.191	2.569
168.0	2.154	2.458
171.0	2.185	2.349
174.0	2.185	2.276
177.0	2.185	2.209
180.0	2.185	2.185

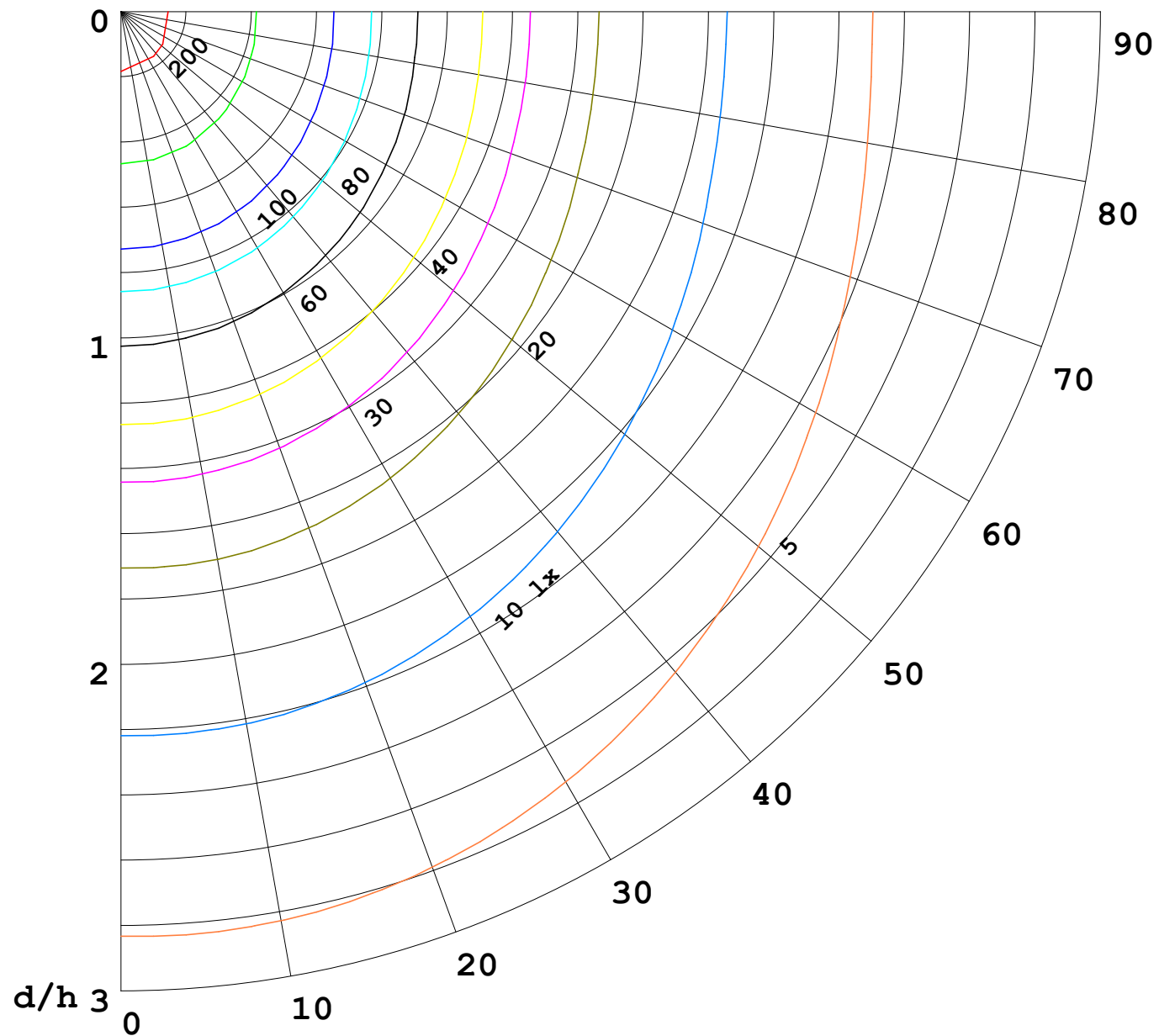
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LYH
Test Date:2024-08-15

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

