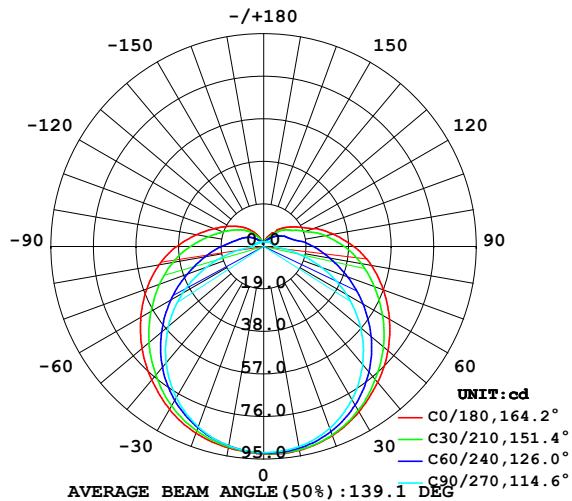


LUMINAIRE PHOTOMETRIC TEST REPORT

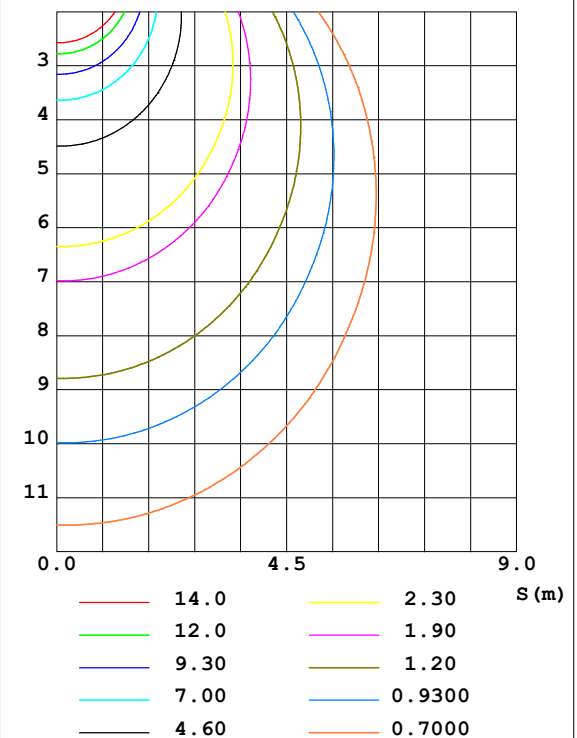
Test:U:24.00V I:0.6000A P:14.40W PF:1.000 Lamp Flux:424.9x1 lm		
NAME: SF21-24V-5050-80-4000K-80	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202311006
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 29.51 lm/W			
MODEL	5050	I _{max} (cd)	92.83	S/MH (C0/180)	1.37
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	424.90	η UP, DN (C0-180)	9.1, 41.4
NOMINAL FLUX (lm)	424.9	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	8.6, 40.8
LAMPS INSIDE	1	η up (%)	17.8	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	24	η down (%)	82.2	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



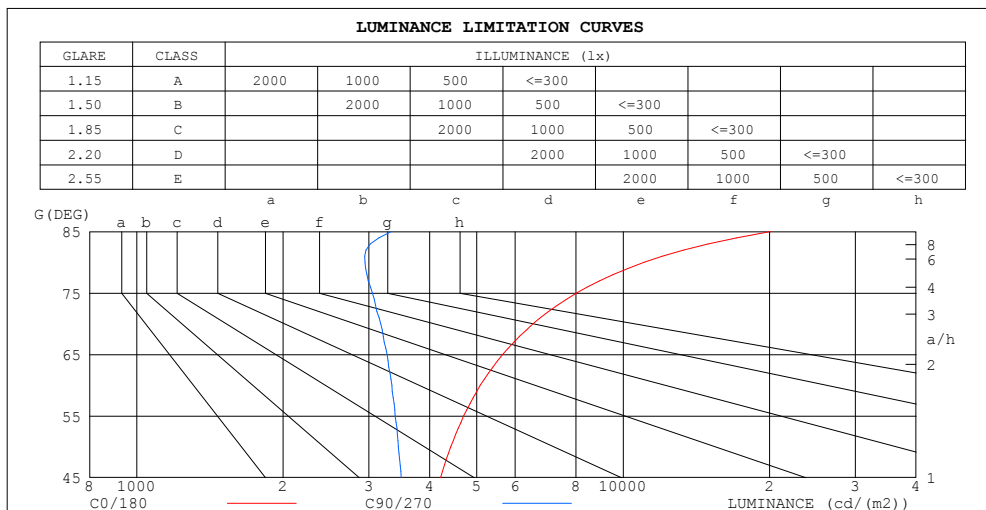
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: WFW
Test Date: 2023-11-16

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	92.43	91.85	90.76	90.36	91.31	90.62	90.43	91.23	0- 10	8.748	8.748	2.06,2.06
20	89.86	88.78	86.41	86.83	88.68	86.91	85.71	87.93	10- 20	25.34	34.08	8.02,8.02
30	85.21	83.13	78.96	80.97	84.06	80.86	78.01	82.09	20- 30	39.19	73.28	17.2,17.2
40	79.22	75.31	68.84	72.88	77.83	72.67	67.90	74.08	30- 40	48.77	122.1	28.7,28.7
50	72.54	66.26	56.54	63.54	70.94	63.24	55.68	64.85	40- 50	53.38	175.4	41.3,41.3
60	64.87	56.27	42.64	53.35	63.37	53.02	41.93	54.74	50- 60	52.98	228.4	53.8,53.8
70	56.95	46.29	27.69	43.34	55.60	43.02	27.22	44.70	60- 70	48.28	276.7	65.1,65.1
80	48.87	37.09	13.05	34.24	47.49	33.86	13.01	35.47	70- 80	40.67	317.4	74.7,74.7
90	40.26	29.11	4.960	26.31	38.85	25.81	4.771	27.38	80- 90	32.03	349.4	82.2,82.2
100	31.68	21.77	4.503	20.02	30.49	19.43	4.378	20.10	90-100	24.47	373.9	88,88
110	23.32	15.71	4.066	15.58	23.49	14.97	3.715	14.23	100-110	17.96	391.8	92.2,92.2
120	17.49	11.81	3.694	12.14	18.10	11.60	3.202	10.74	110-120	12.83	404.7	95.2,95.2
130	13.37	9.365	3.296	9.046	13.78	8.639	2.890	7.954	120-130	8.924	413.6	97.3,97.3
140	9.895	6.480	2.910	6.332	9.835	6.052	2.639	5.441	130-140	5.741	419.3	98.7,98.7
150	6.141	4.166	2.558	3.940	6.158	3.784	2.413	3.641	140-150	3.172	422.5	99.4,99.4
160	4.103	2.809	2.201	2.495	3.079	2.388	2.196	2.465	150-160	1.546	424.0	99.8,99.8
170	2.318	2.163	2.081	2.111	2.106	2.061	2.041	2.081	160-170	0.6574	424.7	100,100
180	2.166	2.133	2.086	2.108	2.141	2.133	2.051	2.098	170-180	0.2013	424.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	20103	3339
80	11036	2946
75	8020	3052
70	6529	3175
65	5652	3273
60	5087	3344
55	4700	3400
50	4425	3449
45	4216	3495

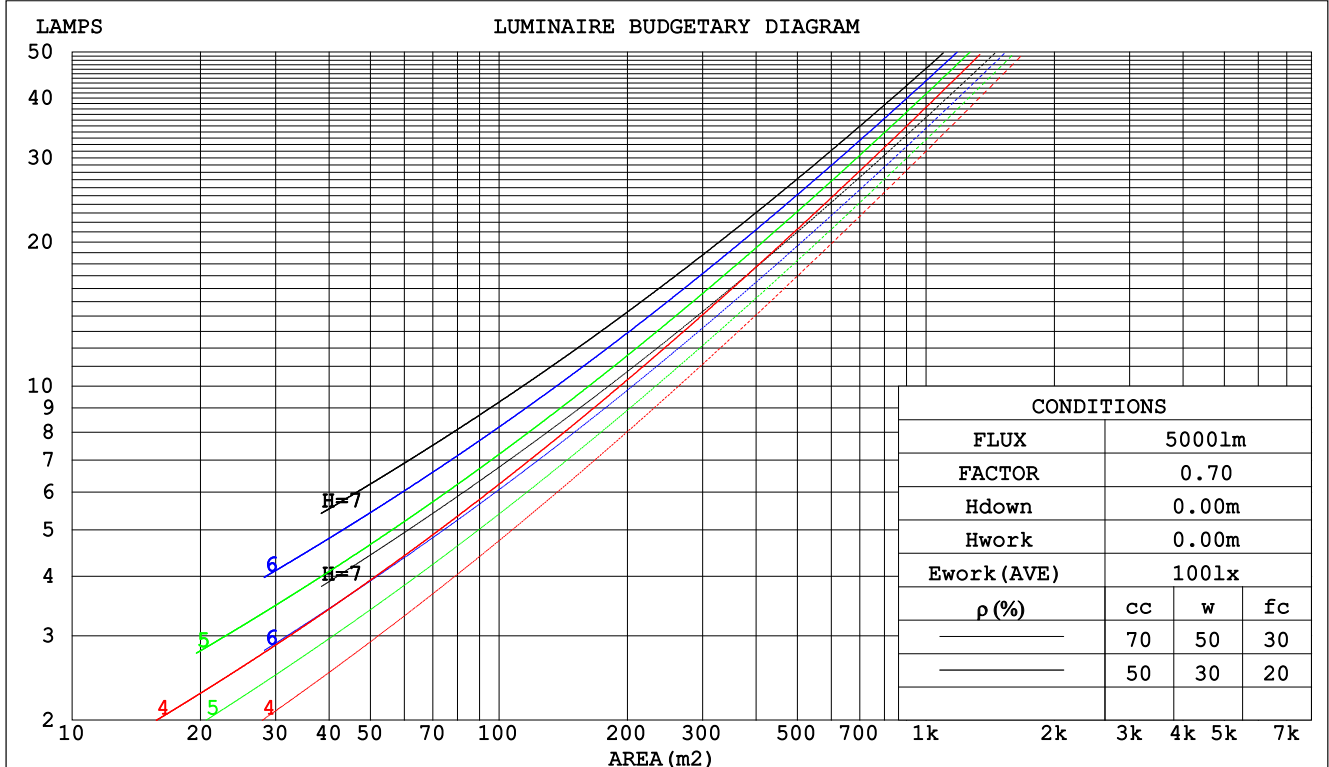
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2023-11-16

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:0.6000A P:14.40W PF:1.000 Lamp Flux:424.9x1 lm		
NAME: SF21-24V-5050-80-4000K-80	TYPE:硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202311006
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	1.15	1.15	1.15	1.10	1.10	1.10	1.01	1.01	1.01	.93	.93	.93	.86	.86	.86	.82
1.0	.96	.90	.85	.92	.87	.82	.84	.80	.76	.77	.74	.71	.71	.68	.66	.62
2.0	.82	.74	.67	.78	.71	.65	.72	.66	.61	.66	.61	.57	.60	.56	.53	.50
3.0	.71	.62	.55	.68	.60	.53	.62	.55	.50	.57	.51	.47	.52	.48	.44	.41
4.0	.62	.53	.46	.60	.51	.44	.55	.48	.42	.50	.44	.39	.46	.41	.37	.34
5.0	.55	.46	.39	.53	.44	.38	.49	.41	.36	.45	.39	.34	.41	.36	.32	.29
6.0	.49	.40	.33	.48	.39	.32	.44	.36	.31	.40	.34	.29	.37	.32	.28	.25
7.0	.45	.36	.29	.43	.34	.28	.40	.32	.27	.37	.30	.26	.34	.28	.24	.22
8.0	.41	.32	.26	.39	.31	.25	.36	.29	.24	.34	.27	.23	.31	.26	.22	.19
9.0	.37	.29	.23	.36	.28	.22	.33	.26	.21	.31	.25	.20	.29	.23	.19	.17
10.0	.34	.26	.21	.33	.25	.20	.31	.24	.19	.29	.23	.18	.27	.21	.18	.16



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:0.6000A P:14.40W PF:1.000 Lamp Flux:424.9x1 lm					
NAME: SF21-24V-5050-80-4000K-80			TYPE: 硅胶		WEIGHT:
DIM.: 28MM*11.5MM			SPEC.:		SERIAL No.:202311006
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	.386	.220	.070	.374	.213	.068	.350	.201	.064	.328	.189	.061	.308	.178	.058	
2.0	.334	.183	.056	.323	.178	.055	.301	.167	.052	.281	.158	.049	.263	.149	.047	
3.0	.297	.158	.047	.286	.153	.046	.267	.145	.044	.249	.136	.042	.232	.129	.040	
4.0	.267	.139	.041	.258	.135	.040	.240	.127	.038	.224	.120	.036	.209	.113	.035	
5.0	.243	.124	.036	.234	.120	.035	.218	.114	.033	.203	.107	.032	.189	.101	.030	
6.0	.222	.111	.032	.215	.108	.031	.200	.103	.030	.186	.097	.028	.174	.091	.027	
7.0	.205	.101	.029	.198	.099	.028	.185	.093	.027	.172	.088	.026	.161	.083	.025	
8.0	.190	.093	.026	.184	.090	.026	.171	.086	.024	.160	.081	.023	.149	.077	.022	
9.0	.177	.086	.024	.171	.083	.023	.160	.079	.022	.149	.075	.021	.139	.071	.020	
10.0	.166	.079	.022	.160	.077	.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	.326	.326	.326	.279	.279	.279	.190	.190	.190	.109	.109	.109	.035	.035	.035	
1.0	.322	.292	.265	.276	.251	.228	.189	.172	.158	.109	.100	.092	.035	.032	.030	
2.0	.315	.269	.230	.270	.232	.199	.185	.160	.139	.107	.093	.081	.034	.030	.027	
3.0	.308	.253	.209	.264	.218	.181	.181	.151	.127	.105	.088	.075	.034	.029	.025	
4.0	.300	.240	.194	.257	.208	.169	.177	.145	.119	.102	.085	.070	.033	.028	.023	
5.0	.292	.230	.185	.251	.199	.161	.173	.139	.113	.100	.082	.067	.032	.027	.022	
6.0	.285	.222	.178	.245	.193	.155	.169	.135	.109	.098	.079	.065	.032	.026	.021	
7.0	.278	.216	.172	.239	.187	.150	.165	.131	.106	.096	.077	.063	.031	.025	.021	
8.0	.271	.210	.168	.233	.182	.147	.161	.128	.104	.094	.076	.062	.030	.025	.021	
9.0	.265	.205	.165	.228	.178	.144	.158	.125	.102	.092	.074	.061	.030	.024	.020	
10.0	.259	.201	.163	.223	.175	.142	.155	.123	.101	.090	.073	.060	.029	.024	.020	

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:0.6000A P:14.40W PF:1.000 Lamp Flux:424.9x1 lm											
NAME.: SF21-24V-5050-80-4000K-80						TYPE:硅胶		WEIGHT:			
DIM.: 28MM*11.5MM						SPEC.:		SERIAL No.:202311006			
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	17.5	18.9	18.1	19.4	20.0	16.0	17.3	16.5	17.8	18.4	
	20.2	21.5	20.7	22.0	22.6	17.6	18.9	18.2	19.5	20.1	
	21.7	22.9	22.2	23.4	24.0	18.4	19.6	18.9	20.1	20.8	
	23.3	24.4	23.9	25.0	25.6	19.0	20.1	19.5	20.7	21.3	
	24.2	25.3	24.8	25.9	26.5	19.2	20.3	19.8	20.9	21.5	
	25.2	26.3	25.8	26.9	27.6	19.4	20.5	20.0	21.0	21.7	
4H	2H	18.2	19.4	18.7	19.9	20.6	17.0	18.2	17.6	18.8	19.4
	3H	21.1	22.1	21.7	22.7	23.4	19.0	20.0	19.6	20.6	21.3
	4H	22.7	23.7	23.3	24.3	25.0	19.9	20.9	20.5	21.5	22.2
	6H	24.6	25.4	25.2	26.1	26.8	20.7	21.6	21.4	22.3	23.0
	8H	25.6	26.4	26.2	27.0	27.8	21.1	21.9	21.7	22.6	23.3
	12H	26.7	27.5	27.4	28.2	28.9	21.4	22.1	22.0	22.8	23.6
8H	4H	23.1	23.9	23.8	24.6	25.3	20.9	21.7	21.6	22.4	23.1
	6H	25.3	26.0	25.9	26.6	27.4	22.1	22.8	22.8	23.5	24.3
	8H	26.5	27.1	27.2	27.8	28.6	22.7	23.3	23.4	24.0	24.8
	12H	27.9	28.5	28.6	29.2	30.0	23.2	23.8	23.9	24.5	25.3
12H	4H	23.1	23.9	23.8	24.6	25.4	21.2	22.0	21.9	22.6	23.4
	6H	25.4	26.0	26.1	26.7	27.5	22.6	23.2	23.3	24.0	24.8
	8H	26.8	27.3	27.5	28.0	28.9	23.4	23.9	24.1	24.6	25.5
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 / - 0.4					+ 0.2 / - 0.4					

CIE Pub.117 Corrected 424.9 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:0.6000A P:14.40W PF:1.000 Lamp Flux:424.9x1 lm		
NAME: SF21-24V-5050-80-4000K-80	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202311006
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

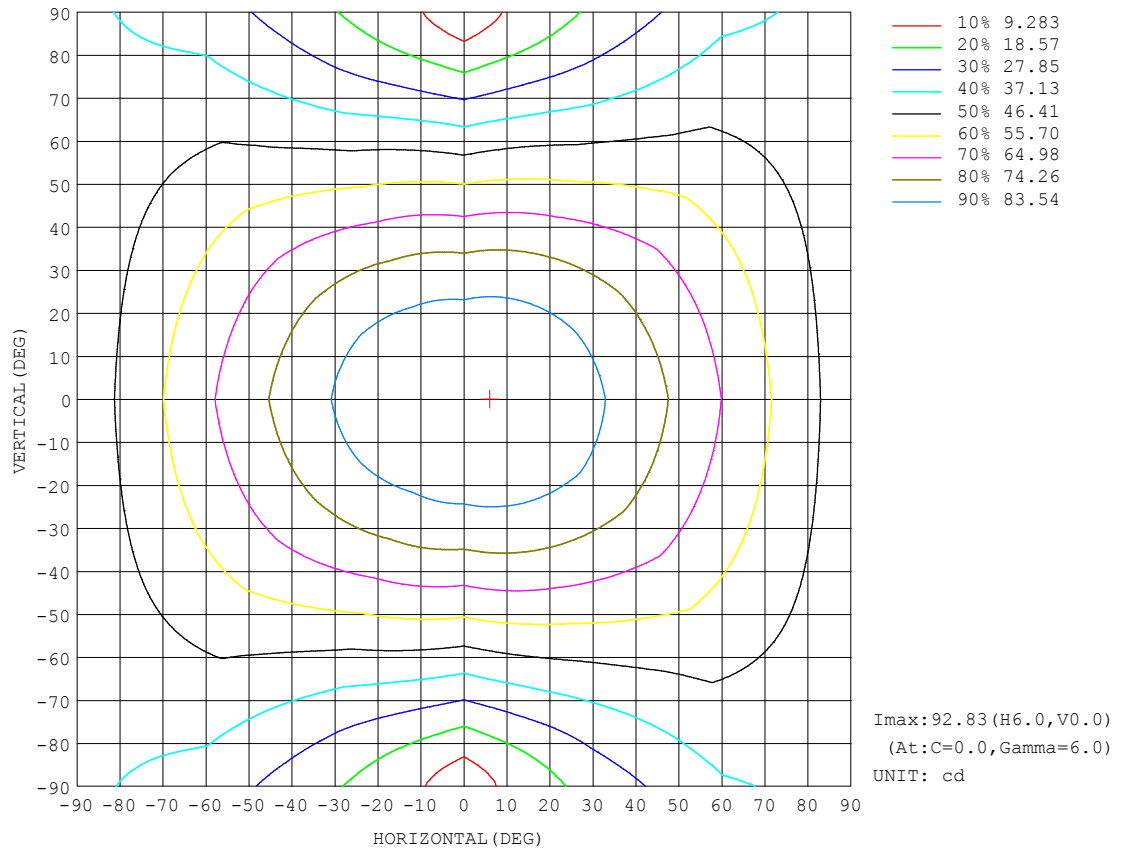
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	48	35	28	47	35	28	45	34	27	21
0.80	57	44	36	55	43	35	53	42	35	27
1.00	65	52	43	63	51	43	59	51	42	33
1.25	72	59	50	69	58	50	65	55	48	38
1.50	77	64	56	74	63	55	69	60	53	42
2.00	84	73	65	81	71	63	75	67	60	49
2.50	88	78	70	85	76	69	79	71	65	53
3.00	92	83	75	89	80	73	82	75	69	56
4.00	97	89	82	93	86	80	86	80	75	61
5.00	100	93	87	96	90	84	88	83	79	64
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:0.6000A P:14.40W PF:1.000 Lamp Flux:424.9x1 lm		
NAME: SF21-24V-5050-80-4000K-80	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202311006
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:

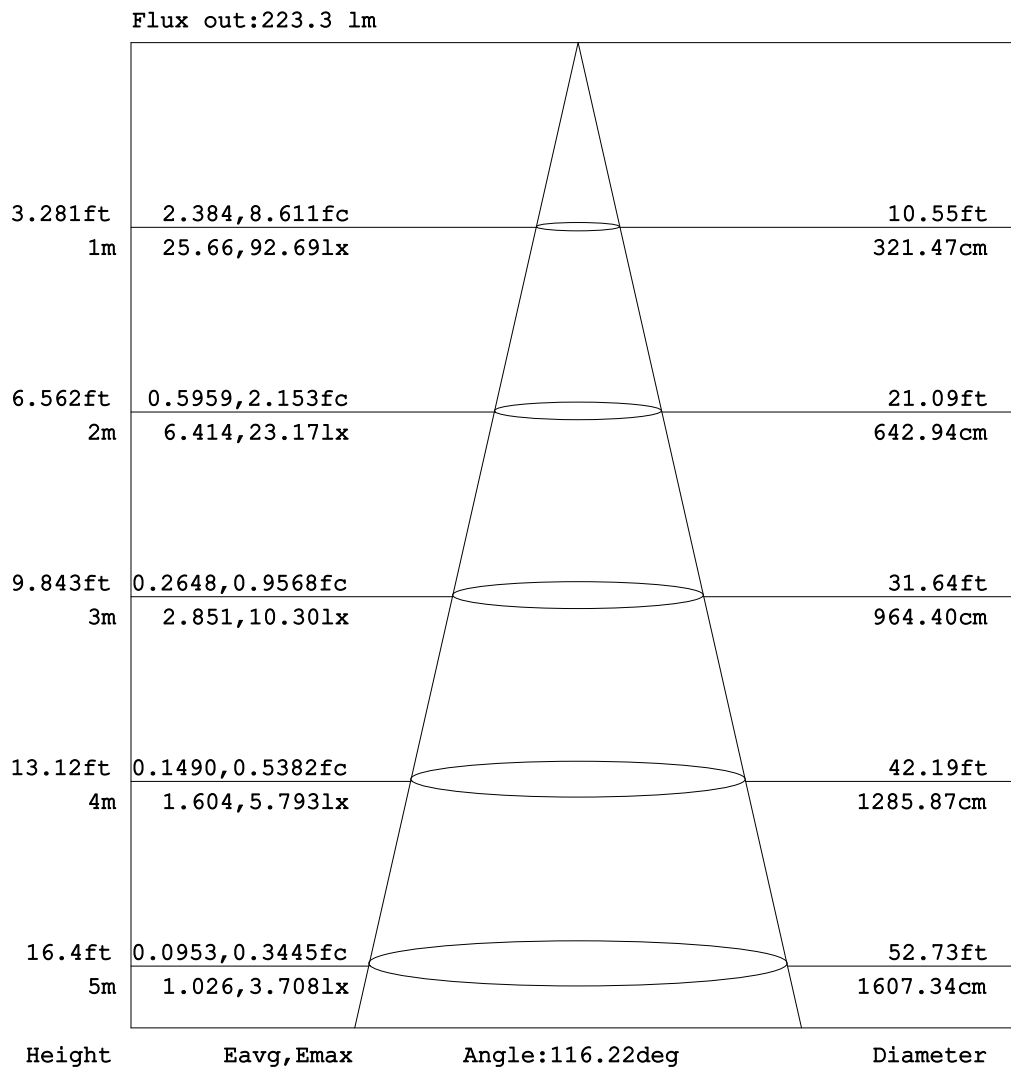


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WFW
Test Date:2023-11-16

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:0.6000A P:14.40W PF:1.000 Lamp Flux:424.9x1 lm		
NAME: SF21-24V-5050-80-4000K-80	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202311006
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:



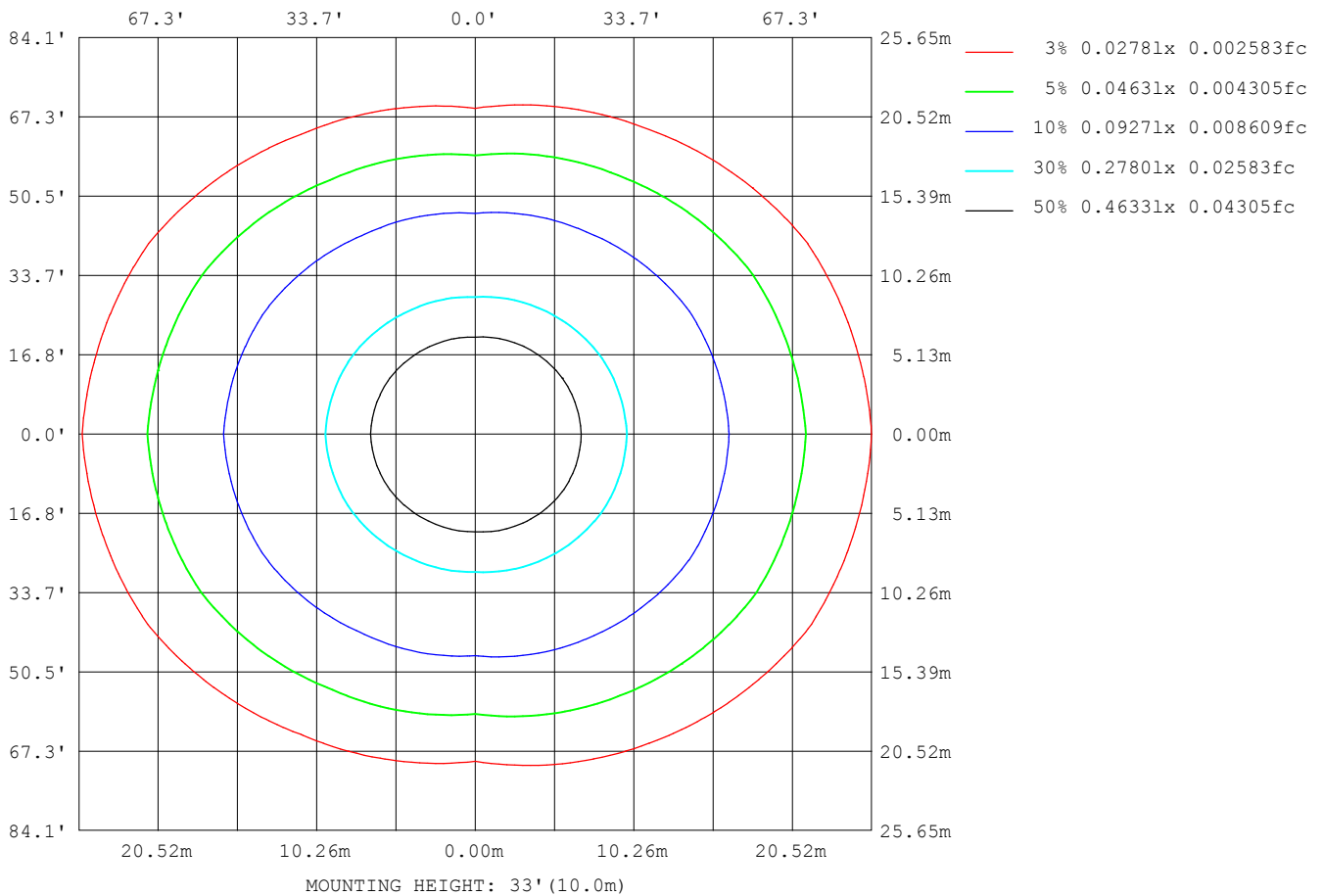
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

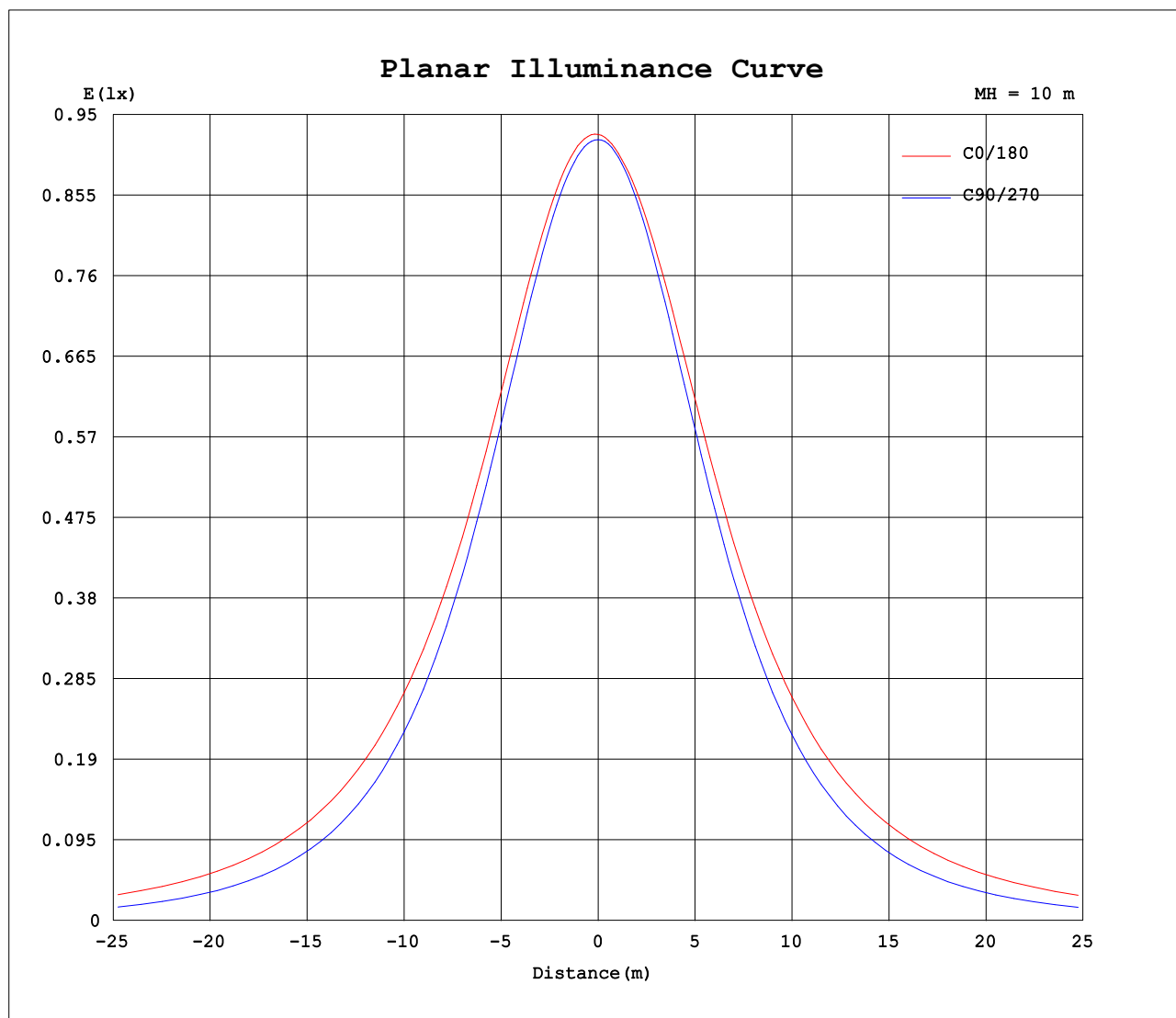
Test:U:24.00V I:0.6000A P:14.40W PF:1.000 Lamp Flux:424.9x1 lm		
NAME: SF21-24V-5050-80-4000K-80	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202311006
MFR.: OLYMPIA	SUR.:1.0*0.0115	PROTECTION ANGLE:



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

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
 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:0.6000A P:14.40W PF:1.000 Lamp Flux:424.9x1 lm		
NAME: SF21-24V-5050-80-4000K-80	TYPE: 硅胶	WEIGHT:
DIM.: 28MM*11.5MM	SPEC.:	SERIAL No.:202311006
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	92.7	92.5	92.2	92.0	91.9	91.9	92.7	92.5	92.2	92.0	91.9	91.9						
5	92.8	92.6	92.2	91.8	91.5	91.3	92.1	91.8	91.6	91.6	91.7	92.0						
10	92.4	92.2	91.5	90.8	90.3	90.4	91.3	90.9	90.4	90.4	91.0	91.5						
15	91.4	91.2	90.1	89.0	88.6	89.2	90.2	89.5	88.6	88.5	89.4	90.4						
20	89.9	89.6	88.0	86.4	86.3	87.4	88.7	87.6	86.2	85.7	87.2	88.7						
25	87.8	87.3	85.2	83.1	83.3	85.1	86.7	85.2	83.1	82.2	84.3	86.3						
30	85.2	84.5	81.7	79.0	79.7	82.3	84.1	82.3	79.4	78.0	80.7	83.5						
35	82.2	81.2	77.7	74.1	75.5	78.8	81.0	78.8	75.2	73.2	76.5	80.2						
40	79.2	77.5	73.1	68.8	70.8	74.9	77.8	74.9	70.4	67.9	71.8	76.4						
45	76.0	73.7	68.1	63.0	65.7	71.1	74.5	71.0	65.2	62.0	66.6	72.6						
50	72.5	69.8	62.7	56.5	60.1	67.0	70.9	66.9	59.6	55.7	61.1	68.6						
55	68.7	65.7	56.9	49.7	54.2	62.7	67.2	62.5	53.7	49.0	55.3	64.4						
60	64.9	61.3	51.2	42.6	48.4	58.3	63.4	58.1	47.9	41.9	49.5	60.0						
65	60.9	56.9	45.5	35.3	42.5	54.0	59.5	53.8	42.1	34.6	43.7	55.6						
70	56.9	52.6	39.9	27.7	36.8	49.8	55.6	49.6	36.4	27.2	38.1	51.3						
75	52.9	48.4	34.6	20.1	31.6	45.7	51.6	45.3	31.2	19.9	32.7	47.2						
80	48.9	44.3	29.9	13.0	27.0	41.5	47.5	41.2	26.6	13.0	27.9	43.0						
85	44.7	40.2	25.8	7.42	23.0	37.4	43.2	37.0	22.4	7.43	23.7	38.9						
90	40.3	36.0	22.2	4.96	19.4	33.2	38.8	32.8	18.9	4.77	20.0	34.7						
95	35.8	31.9	19.1	4.76	16.6	29.2	34.6	28.7	15.9	4.65	16.9	30.5						
100	31.7	28.1	15.5	4.50	14.5	25.5	30.5	25.2	13.7	4.38	13.4	26.8						
105	27.7	24.0	13.0	4.25	12.9	22.3	26.8	22.0	12.0	4.06	11.0	22.8						
110	23.3	19.9	11.6	4.07	11.5	19.6	23.5	19.3	10.7	3.71	9.41	19.0						
115	20.0	17.1	10.7	3.89	10.3	17.3	20.6	16.9	9.46	3.42	8.43	16.4						
120	17.5	14.3	9.28	3.69	9.02	15.3	18.1	14.9	8.30	3.20	7.65	13.8						
125	15.3	13.0	8.34	3.50	7.84	13.4	15.9	13.1	7.18	3.04	6.19	12.2						
130	13.4	11.5	7.21	3.30	6.50	11.6	13.8	11.4	5.92	2.89	5.33	10.6						
135	11.6	9.70	6.20	3.10	5.32	9.90	11.8	9.68	4.86	2.76	4.62	8.91						
140	9.89	7.77	5.19	2.91	4.36	8.30	9.84	8.08	4.02	2.64	3.90	6.98						
145	7.42	6.07	4.34	2.73	3.55	6.59	7.93	6.34	3.29	2.52	3.30	5.38						
150	6.14	4.73	3.60	2.56	2.82	5.06	6.16	4.89	2.68	2.41	2.85	4.43						
155	5.28	3.88	2.91	2.38	2.37	3.85	4.61	3.71	2.22	2.31	2.39	3.48						
160	4.10	3.17	2.45	2.20	2.15	2.84	3.08	2.71	2.07	2.20	2.20	2.73						
165	3.14	2.49	2.18	2.07	2.10	2.17	2.14	2.12	2.05	2.11	2.07	2.19						
170	2.32	2.21	2.12	2.08	2.09	2.13	2.11	2.07	2.06	2.04	2.06	2.10						
175	2.18	2.15	2.12	2.09	2.09	2.13	2.14	2.08	2.10	2.04	2.09	2.10						
180	2.17	2.15	2.12	2.09	2.09	2.13	2.14	2.15	2.12	2.05	2.09	2.11						

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	92.67	92.48	92.22	92.05	91.95	91.87	92.67	92.48	92.22	92.05
3.0	92.81	92.59	92.26	91.95	91.76	91.58	92.36	92.15	91.96	91.92
6.0	92.83	92.56	92.11	91.62	91.29	91.13	91.91	91.65	91.45	91.45
9.0	92.56	92.34	91.68	91.01	90.59	90.60	91.48	91.05	90.68	90.76
12.0	92.09	91.89	91.01	90.12	89.68	89.98	90.93	90.37	89.73	89.71
15.0	91.43	91.23	90.07	89.01	88.59	89.18	90.25	89.51	88.59	88.46
18.0	90.56	90.30	88.90	87.49	87.27	88.21	89.34	88.45	87.22	86.85
21.0	89.47	89.17	87.47	85.78	85.71	86.98	88.30	87.17	85.63	85.02
24.0	88.26	87.82	85.79	83.79	83.93	85.63	87.11	85.77	83.79	82.91
27.0	86.84	86.26	83.89	81.43	81.91	84.09	85.68	84.12	81.72	80.61
30.0	85.21	84.52	81.74	78.96	79.68	82.26	84.06	82.28	79.44	78.01
33.0	83.49	82.63	79.39	76.15	77.22	80.30	82.28	80.30	76.95	75.15
36.0	81.59	80.52	76.84	73.12	74.60	78.04	80.37	78.05	74.27	72.23
39.0	79.84	78.23	74.09	69.93	71.78	75.77	78.47	75.72	71.43	68.95
42.0	78.00	76.01	71.16	66.50	68.81	73.46	76.52	73.43	68.38	65.51
45.0	76.02	73.75	68.15	63.02	65.68	71.05	74.52	71.03	65.18	62.02
48.0	73.93	71.39	64.90	59.21	62.36	68.64	72.41	68.56	61.87	58.12
51.0	71.78	69.01	61.52	55.27	58.90	66.14	70.20	66.00	58.42	54.25
54.0	69.52	66.49	58.09	51.14	55.41	63.54	67.95	63.45	54.92	50.25
57.0	67.22	63.88	54.65	46.98	51.87	60.88	65.68	60.70	51.41	46.02
60.0	64.87	61.30	51.25	42.64	48.37	58.34	63.37	58.11	47.92	41.93
63.0	62.49	58.64	47.83	38.15	44.86	55.71	61.05	55.46	44.42	37.51
66.0	60.13	56.04	44.39	33.73	41.33	53.17	58.74	52.89	40.95	33.05
69.0	57.76	53.51	41.03	29.21	37.92	50.69	56.39	50.35	37.54	28.81
72.0	55.34	50.85	37.77	24.55	34.70	48.10	53.99	47.84	34.26	24.20
75.0	52.93	48.43	34.64	20.14	31.62	45.66	51.58	45.32	31.24	19.88
78.0	50.49	45.93	31.69	15.77	28.75	43.13	49.14	42.81	28.41	15.76
81.0	48.02	43.48	29.02	11.74	26.14	40.65	46.66	40.38	25.71	11.80
84.0	45.52	41.06	26.57	8.379	23.72	38.17	44.11	37.81	23.22	8.398
87.0	42.92	38.55	24.28	5.927	21.49	35.65	41.51	35.26	20.95	5.892
90.0	40.26	36.05	22.18	4.960	19.45	33.17	38.85	32.76	18.85	4.771
93.0	37.58	33.45	20.26	4.859	17.65	30.68	36.26	30.28	16.99	4.729
96.0	34.99	31.10	18.62	4.704	16.14	28.43	33.71	27.99	15.40	4.604
99.0	32.47	28.78	16.19	4.558	14.86	26.20	31.28	25.86	14.05	4.433
102.0	30.08	26.57	14.34	4.397	13.81	24.22	28.97	23.84	12.95	4.252
105.0	27.72	24.02	13.05	4.251	12.88	22.33	26.79	21.99	12.01	4.061
108.0	25.56	21.21	12.07	4.131	12.05	20.63	24.74	20.34	11.19	3.845
111.0	22.53	19.25	11.36	4.045	11.28	19.13	22.88	18.79	10.43	3.654
114.0	20.61	17.65	10.84	3.920	10.51	17.74	21.17	17.38	9.697	3.478
117.0	18.96	16.22	10.33	3.809	9.748	16.45	19.58	16.13	8.988	3.332
120.0	17.49	14.33	9.283	3.694	9.024	15.25	18.10	14.90	8.300	3.202
123.0	16.18	13.58	8.691	3.583	8.305	14.13	16.74	13.78	7.632	3.101
126.0	14.92	12.72	8.119	3.462	7.606	13.02	15.44	12.73	6.937	3.006
129.0	13.75	11.80	7.396	3.332	6.743	11.94	14.19	11.70	6.208	2.915
132.0	12.63	10.94	6.792	3.221	5.999	10.93	12.98	10.67	5.456	2.835
135.0	11.57	9.696	6.204	3.096	5.325	9.903	11.81	9.677	4.858	2.764
138.0	10.55	8.525	5.606	2.985	4.726	8.923	10.65	8.712	4.325	2.684
141.0	9.563	7.341	5.008	2.879	4.199	7.983	9.413	7.733	3.878	2.609
144.0	7.473	6.375	4.510	2.769	3.711	6.993	8.309	6.727	3.431	2.538
147.0	7.350	5.551	4.037	2.678	3.273	5.938	7.248	5.707	3.029	2.478
150.0	6.141	4.727	3.605	2.558	2.821	5.059	6.158	4.887	2.682	2.413
153.0	5.712	4.140	3.188	2.447	2.529	4.295	5.233	4.184	2.331	2.357
156.0	4.994	3.743	2.801	2.357	2.313	3.632	4.202	3.460	2.166	2.282
159.0	4.319	3.286	2.534	2.221	2.177	2.994	3.270	2.876	2.071	2.217
162.0	3.701	2.894	2.298	2.126	2.116	2.436	2.616	2.329	2.051	2.161
165.0	3.138	2.487	2.177	2.071	2.096	2.171	2.141	2.116	2.045	2.111
168.0	2.519	2.291	2.126	2.076	2.091	2.131	2.091	2.066	2.071	2.061
171.0	2.277	2.166	2.121	2.086	2.091	2.131	2.116	2.066	2.071	2.035
174.0	2.187	2.151	2.121	2.086	2.091	2.131	2.141	2.066	2.091	2.035
177.0	2.181	2.151	2.116	2.086	2.091	2.131	2.141	2.091	2.111	2.045
180.0	2.166	2.151	2.116	2.086	2.091	2.126	2.141	2.146	2.121	2.051
G/C	300.0	330.0								
0.0	91.95	91.87								
3.0	91.90	91.98								
6.0	91.62	91.95								
9.0	91.17	91.66								
12.0	90.44	91.14								
15.0	89.45	90.38								
18.0	88.20	89.42								
21.0	86.67	88.24								
24.0	84.92	86.82								
27.0	82.91	85.26								
30.0	80.69	83.48								

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:

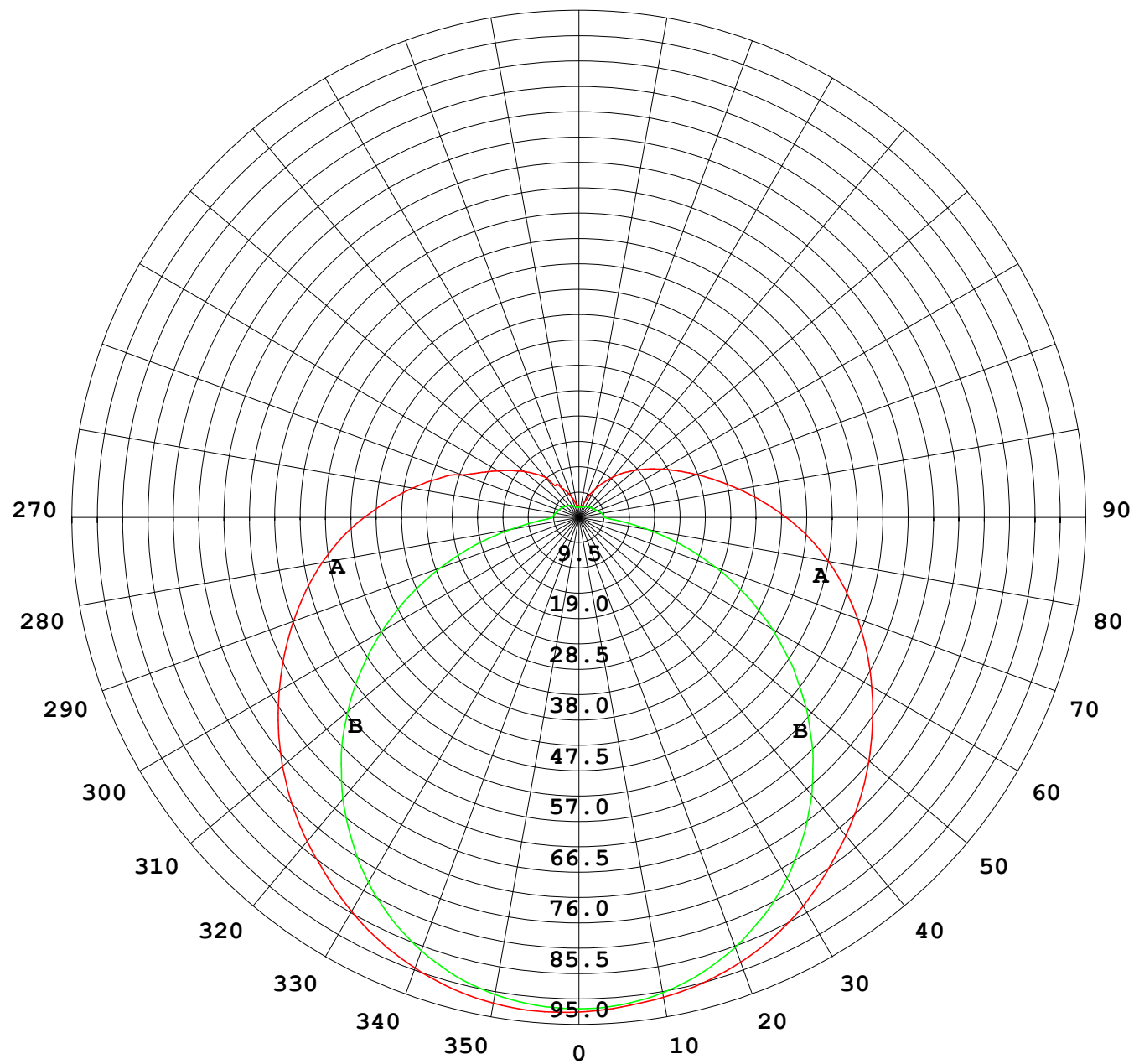
Photometric Data Table [cd]

33.0	78.26	81.52
36.0	75.62	79.43
39.0	72.78	77.15
42.0	69.74	74.86
45.0	66.60	72.62
48.0	63.33	70.26
51.0	59.94	67.82
54.0	56.45	65.34
57.0	52.94	62.71
60.0	49.49	60.00
63.0	46.03	57.49
66.0	42.58	54.71
69.0	39.18	52.26
72.0	35.84	49.63
75.0	32.73	47.16
78.0	29.79	44.70
81.0	27.02	42.22
84.0	24.50	39.74
87.0	22.18	37.26
90.0	20.04	34.72
93.0	18.07	32.15
96.0	16.37	29.79
99.0	14.12	27.46
102.0	12.22	25.28
105.0	10.97	22.83
108.0	9.962	20.41
111.0	9.235	18.48
114.0	8.657	16.95
117.0	8.080	15.54
120.0	7.646	13.84
123.0	6.595	12.90
126.0	6.034	11.88
129.0	5.496	10.88
132.0	5.019	10.02
135.0	4.617	8.909
138.0	4.170	7.702
141.0	3.768	6.697
144.0	3.421	5.893
147.0	3.110	4.740
150.0	2.849	4.433
153.0	2.587	3.882
156.0	2.346	3.313
159.0	2.216	2.861
162.0	2.141	2.529
165.0	2.065	2.192
168.0	2.051	2.111
171.0	2.056	2.101
174.0	2.081	2.101
177.0	2.091	2.101
180.0	2.091	2.106

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

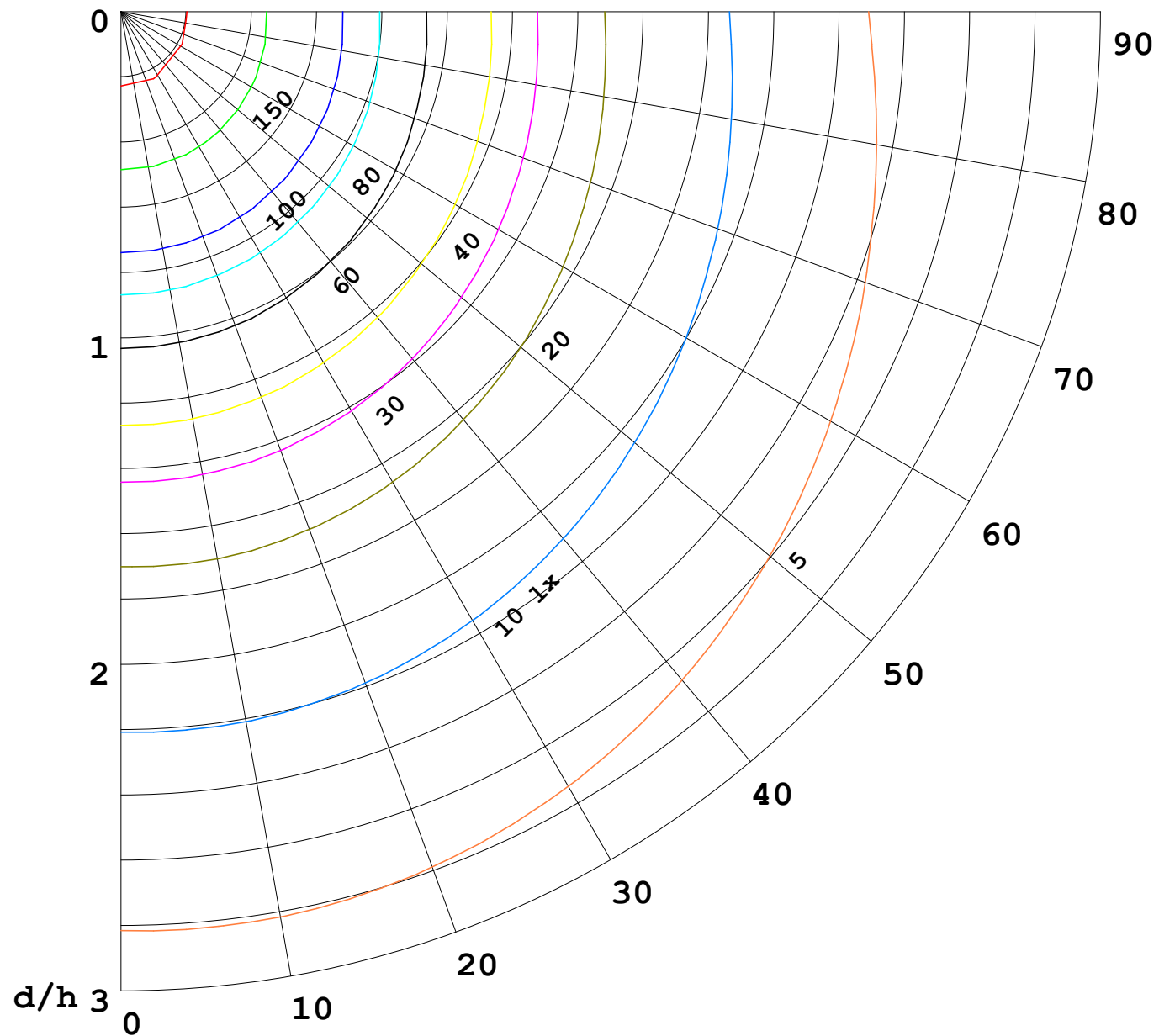
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

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

