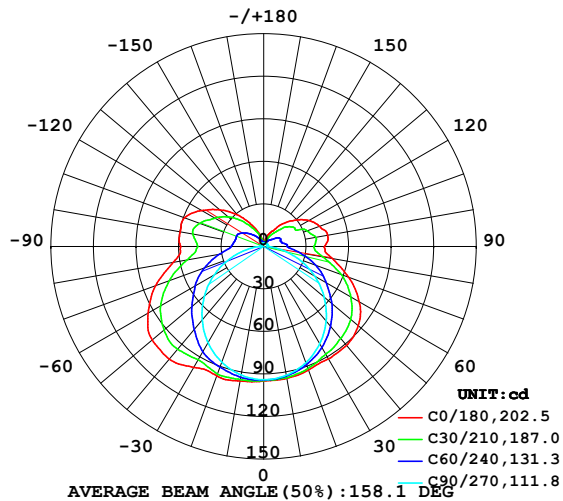


LUMINAIRE PHOTOMETRIC TEST REPORT

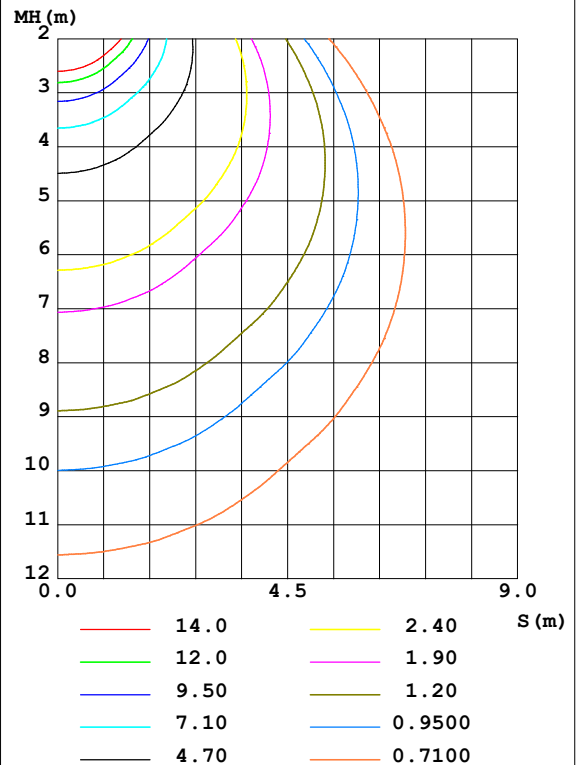
Test:U:24.00V I:0.4031A P:9.674W PF:1.000 Freq:0Hz Lamp Flux:525.144x1 lm		
NAME: SF18-24V-3528-120-CC-3000	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022040701
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 54.29 lm/W			
MODEL	3528	I _{max} (cd)	103.8	S/MH (C0/180)	1.66
NOMINAL POWER (W)	10	LOR (%)	100.0	S/MH (C90/270)	1.24
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	525.14	η UP, DN (C0-180)	12.0, 36.8
NOMINAL FLUX (lm)	525.144	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	13.2, 37.9
LAMPS INSIDE	1	η up (%)	25.2	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	24.0	η down (%)	74.8	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: HXJ
Test Date: 2022-04-07

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

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	94.50	93.35	92.29	94.02	96.33	94.52	92.07	92.61	0- 10	8.973	8.973	1.71,1.71
20	92.68	90.14	87.23	92.74	97.12	93.11	86.79	89.31	10- 20	26.23	35.20	6.7,6.7
30	91.57	84.96	79.14	88.87	98.48	89.15	78.50	84.02	20- 30	41.11	76.31	14.5,14.5
40	91.03	79.00	68.55	85.43	103.8	85.43	67.56	77.88	30- 40	53.13	129.4	24.6,24.6
50	87.10	71.49	55.70	79.14	102.7	79.03	54.63	70.16	40- 50	60.99	190.4	36.3,36.3
60	77.85	60.95	41.58	70.11	94.19	69.99	40.34	59.61	50- 60	62.67	253.1	48.2,48.2
70	63.67	48.82	26.31	57.88	81.31	57.69	25.28	47.73	60- 70	57.88	311.0	59.2,59.2
80	49.03	34.03	11.70	43.36	64.81	43.29	11.09	33.36	70- 80	46.81	357.8	68.1,68.1
90	42.98	26.08	2.684	34.85	58.63	34.82	2.388	25.43	80- 90	34.80	392.6	74.8,74.8
100	45.87	25.65	2.758	35.92	59.88	35.88	2.441	25.41	90-100	32.28	424.9	80.9,80.9
110	41.93	22.65	2.765	34.21	59.44	34.30	2.455	22.85	100-110	30.62	455.5	86.7,86.7
120	36.75	18.98	2.709	29.46	50.79	29.44	2.417	19.57	110-120	25.89	481.4	91.7,91.7
130	28.78	14.83	2.692	23.50	40.25	23.48	2.360	15.19	120-130	19.36	500.8	95.4,95.4
140	20.95	9.842	2.648	16.90	29.31	16.79	2.379	10.18	130-140	12.68	513.4	97.8,97.8
150	12.72	6.037	2.619	10.73	18.22	10.63	2.407	6.441	140-150	6.983	520.4	99.1,99.1
160	8.258	3.844	2.618	6.414	10.19	6.226	2.488	3.979	150-160	3.251	523.7	99.7,99.7
170	3.022	2.855	2.659	3.655	3.436	3.549	2.553	2.845	160-170	1.192	524.9	99.9,99.9
180	2.679	2.704	2.679	2.767	2.724	2.754	2.633	2.742	170-180	0.2814	525.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 159.3 lm

%lum = 30.3%

%lamp = 30.3%

Conical surface Flux(120deg): 253.11 lm

%lum = 48.2%

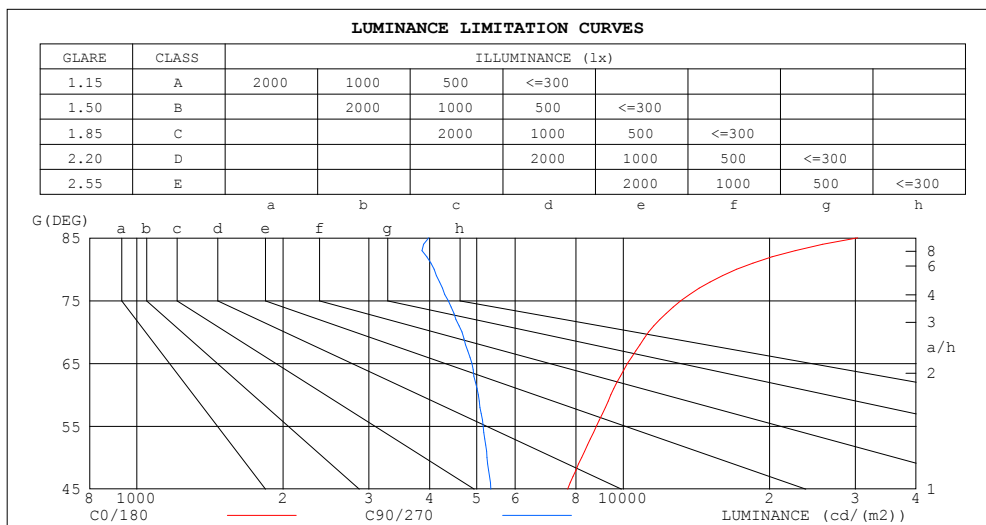
%lamp = 48.2%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HXJ
 Test Date:2022-04-07

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:

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.4031A P:9.674W PF:1.000 Freq:0Hz Lamp Flux:525.144x1 lm		
NAME: SF18-24V-3528-120-CC-3000	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022040701
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	30348	3981
80	17112	4085
75	13152	4369
70	11282	4661
65	10213	4885
60	9436	5041
55	8812	5154
50	8213	5252
45	7685	5347

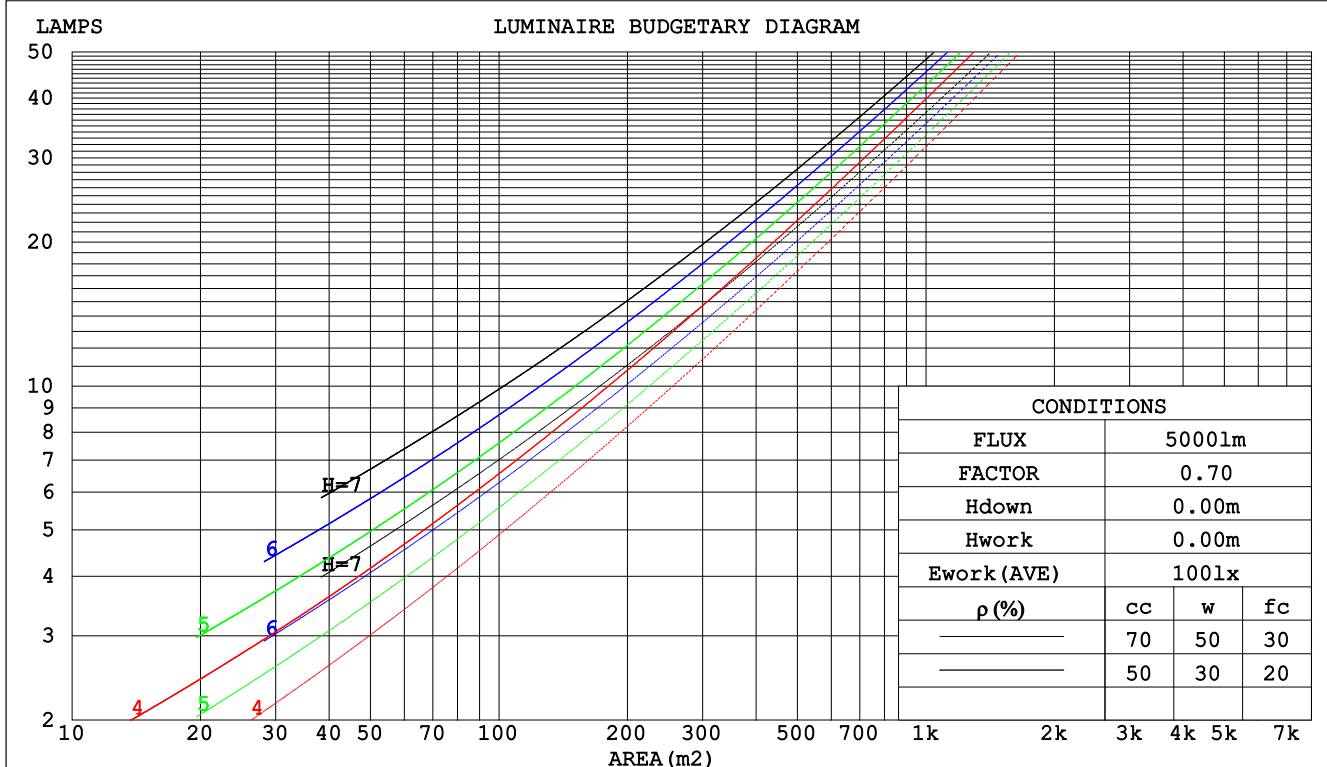
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HXJ
Test Date:2022-04-07

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:0.4031A P:9.674W PF:1.000 Freq:0Hz Lamp Flux:525.144x1 lm		
NAME: SF18-24V-3528-120-CC-3000	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022040701
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding 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	1.13	1.13	1.13	1.07	1.07	1.07	.97	.97	.97	.88	.88	.88	.79	.79	.79	.75
1.0	.94	.89	.84	.90	.85	.81	.81	.77	.73	.72	.69	.67	.65	.63	.60	.57
2.0	.81	.73	.66	.76	.70	.64	.69	.63	.58	.62	.57	.53	.55	.52	.48	.45
3.0	.70	.61	.54	.66	.58	.52	.60	.53	.47	.53	.48	.44	.48	.43	.40	.36
4.0	.61	.52	.45	.58	.50	.43	.52	.45	.40	.47	.41	.36	.42	.37	.33	.30
5.0	.54	.45	.38	.51	.43	.36	.46	.39	.34	.42	.36	.31	.37	.32	.28	.26
6.0	.48	.39	.32	.46	.37	.31	.42	.34	.29	.38	.31	.27	.34	.29	.25	.22
7.0	.43	.34	.28	.41	.33	.27	.38	.30	.25	.34	.28	.23	.31	.25	.22	.19
8.0	.39	.31	.25	.38	.30	.24	.34	.27	.22	.31	.25	.21	.28	.23	.19	.17
9.0	.36	.28	.22	.34	.27	.21	.31	.25	.20	.28	.23	.18	.26	.21	.17	.15
10.0	.33	.25	.20	.32	.24	.19	.29	.22	.18	.26	.21	.17	.24	.19	.15	.13



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HXJ
 Test Date:2022-04-07

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:0.4031A P:9.674W PF:1.000 Freq:0Hz Lamp Flux:525.144x1 lm		
NAME: SF18-24V-3528-120-CC-3000	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022040701
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding 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 Coeffcients(WEC)										
0.0																	
1.0	.376	.214	.068	.361	.206	.065	.333	.191	.061	.308	.178	.057	.284	.165	.053		
2.0	.328	.180	.055	.314	.173	.053	.289	.161	.050	.266	.149	.047	.244	.138	.044		
3.0	.292	.156	.047	.280	.150	.045	.257	.139	.042	.236	.129	.040	.216	.120	.037		
4.0	.264	.137	.040	.253	.132	.039	.232	.123	.037	.212	.114	.034	.194	.106	.032		
5.0	.240	.122	.035	.230	.118	.034	.211	.110	.032	.193	.102	.030	.176	.094	.028		
6.0	.220	.110	.032	.211	.106	.031	.193	.099	.029	.177	.092	.027	.162	.085	.025		
7.0	.203	.100	.028	.195	.097	.028	.178	.090	.026	.163	.084	.024	.149	.078	.023		
8.0	.188	.092	.026	.181	.089	.025	.166	.083	.024	.152	.077	.022	.139	.071	.021		
9.0	.175	.085	.024	.168	.082	.023	.155	.076	.022	.142	.071	.020	.130	.066	.019		
10.0	.164	.079	.022	.158	.076	.021	.145	.071	.020	.133	.066	.019	.122	.061	.018		

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	.383	.383	.383	.327	.327	.327	.223	.223	.223	.128	.128	.128	.041	.041	.041	
1.0	.379	.349	.323	.324	.300	.278	.222	.206	.192	.128	.119	.112	.041	.038	.036	
2.0	.372	.327	.289	.319	.281	.250	.219	.195	.174	.126	.113	.102	.040	.037	.033	
3.0	.365	.311	.267	.313	.268	.232	.215	.186	.163	.124	.109	.096	.040	.035	.031	
4.0	.358	.298	.253	.307	.258	.220	.211	.180	.155	.122	.105	.092	.039	.034	.030	
5.0	.350	.289	.244	.301	.250	.212	.207	.175	.150	.120	.102	.089	.039	.033	.029	
6.0	.343	.281	.237	.295	.243	.206	.203	.170	.146	.118	.100	.087	.038	.033	.029	
7.0	.336	.274	.231	.289	.238	.202	.200	.167	.143	.116	.098	.085	.037	.032	.028	
8.0	.329	.269	.228	.283	.233	.198	.196	.164	.141	.114	.097	.084	.037	.032	.028	
9.0	.323	.264	.225	.278	.229	.196	.193	.161	.139	.112	.095	.083	.036	.031	.027	
10.0	.317	.260	.222	.274	.226	.194	.190	.159	.138	.111	.094	.082	.036	.031	.027	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HXJ
Test Date:2022-04-07

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:

UGR(Unified Glare Rating) Table

Test:U:24.00V I:0.4031A P:9.674W PF:1.000 Freq:0Hz Lamp Flux:525.144x1 lm											
NAME: SF18-24V-3528-120-CC-3000						TYPE:硅胶		WEIGHT:			
SPEC.:						DIM.: 16.5mm*16.5mm		SERIAL No.:2022040701			
MFR.: OLYMPIA						SUR.:1*0.0165		Shielding 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		21.5	22.8	22.1	23.4	24.1	18.8	20.1	19.4	20.7	21.4
	3H	24.0	25.2	24.6	25.8	26.6	20.4	21.6	21.0	22.2	23.0
	4H	25.3	26.4	25.9	27.1	27.8	21.1	22.2	21.7	22.8	23.6
	6H	26.6	27.7	27.3	28.4	29.2	21.5	22.6	22.2	23.3	24.1
	8H	27.4	28.4	28.1	29.1	29.9	21.7	22.7	22.4	23.4	24.2
	12H	28.3	29.3	29.0	29.9	30.8	21.8	22.8	22.5	23.5	24.3
4H	2H	22.0	23.1	22.6	23.8	24.5	20.1	21.2	20.7	21.8	22.6
	3H	24.7	25.7	25.4	26.4	27.2	21.8	22.8	22.5	23.5	24.3
	4H	26.2	27.1	26.9	27.8	28.6	22.7	23.5	23.4	24.3	25.1
	6H	27.8	28.6	28.5	29.3	30.2	23.3	24.1	24.0	24.8	25.7
	8H	28.6	29.4	29.4	30.1	31.0	23.5	24.3	24.3	25.0	25.9
	12H	29.6	30.3	30.4	31.1	32.0	23.7	24.4	24.5	25.2	26.1
8H	4H	26.5	27.2	27.2	28.0	28.8	23.6	24.3	24.3	25.1	26.0
	6H	28.3	28.9	29.1	29.7	30.6	24.6	25.2	25.3	26.0	26.9
	8H	29.4	29.9	30.2	30.7	31.7	25.0	25.6	25.8	26.4	27.3
	12H	30.7	31.1	31.5	32.0	32.9	25.4	25.8	26.2	26.7	27.6
12H	4H	26.5	27.1	27.2	27.9	28.8	23.9	24.6	24.6	25.3	26.2
	6H	28.4	29.0	29.2	29.7	30.7	25.0	25.6	25.8	26.4	27.3
	8H	29.6	30.1	30.4	30.9	31.8	25.6	26.1	26.4	26.9	27.9
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.5					

CIE Pub.117, 525.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.2)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HXJ
Test Date:2022-04-07

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:0.4031A P:9.674W PF:1.000 Freq:0Hz Lamp Flux:525.144x1 lm		
NAME: SF18-24V-3528-120-CC-3000	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022040701
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding Angle:

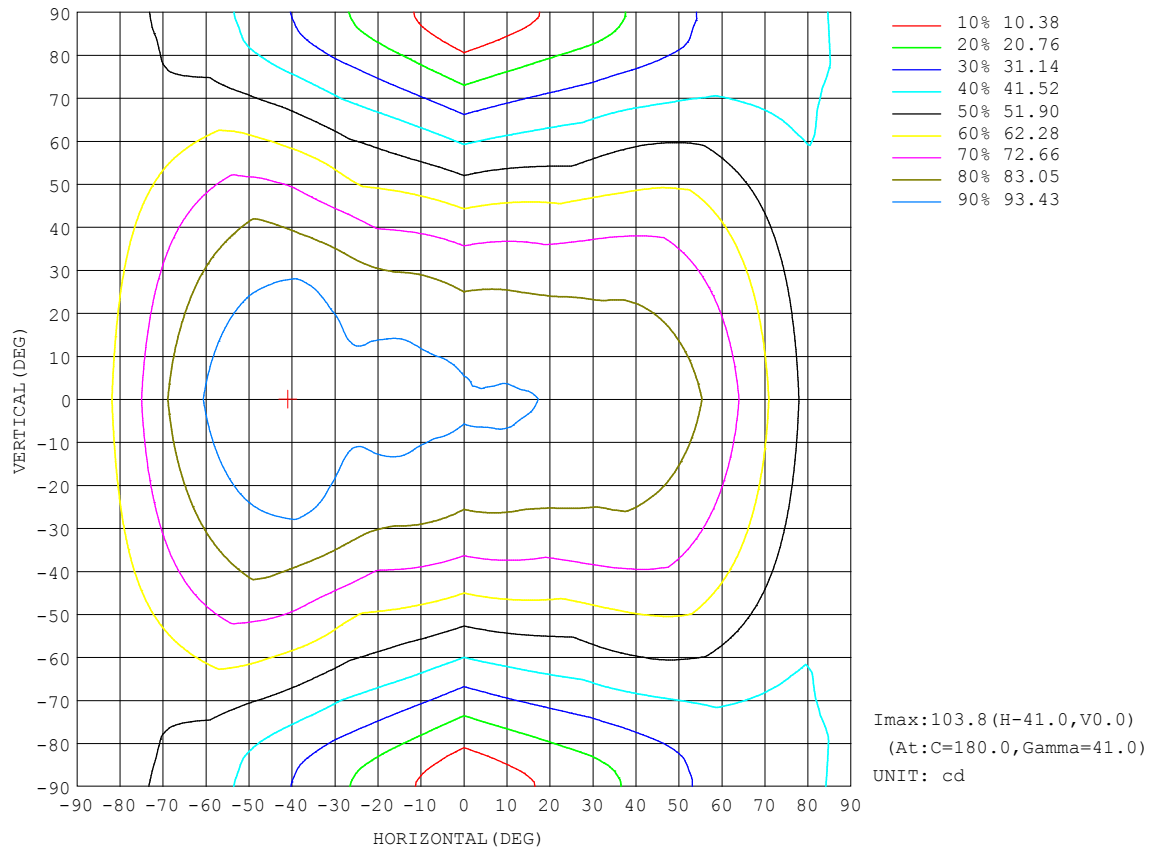
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	45	33	25	44	32	25	42	31	24	18
0.80	54	41	33	52	40	32	49	38	31	23
1.00	62	49	40	60	48	40	56	47	38	29
1.25	69	56	48	66	55	46	61	51	44	34
1.50	74	62	53	71	60	52	65	56	49	38
2.00	82	70	62	78	68	60	72	63	57	44
2.50	86	76	68	82	73	66	75	68	62	47
3.00	90	81	73	86	78	71	78	71	66	51
4.00	95	87	80	90	83	77	82	76	72	55
5.00	98	91	85	93	87	82	85	80	75	58
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: HXJ
 Test Date: 2022-04-07

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:0.4031A P:9.674W PF:1.000 Freq:0Hz Lamp Flux:525.144x1 lm		
NAME: SF18-24V-3528-120-CC-3000	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022040701
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding Angle:

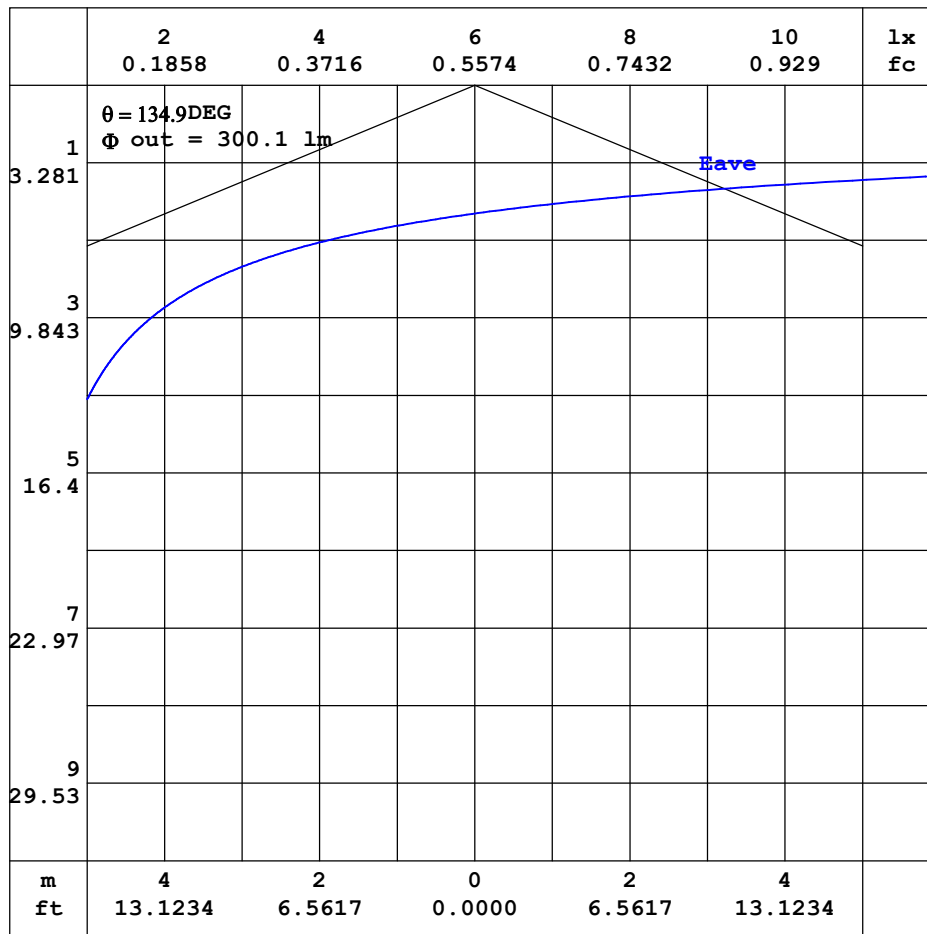


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HXJ
Test Date:2022-04-07

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 CURVES

Test:U:24.00V I:0.4031A P:9.674W PF:1.000 Freq:0Hz Lamp Flux:525.144x1 lm		
NAME: SF18-24V-3528-120-CC-3000	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022040701
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding Angle:



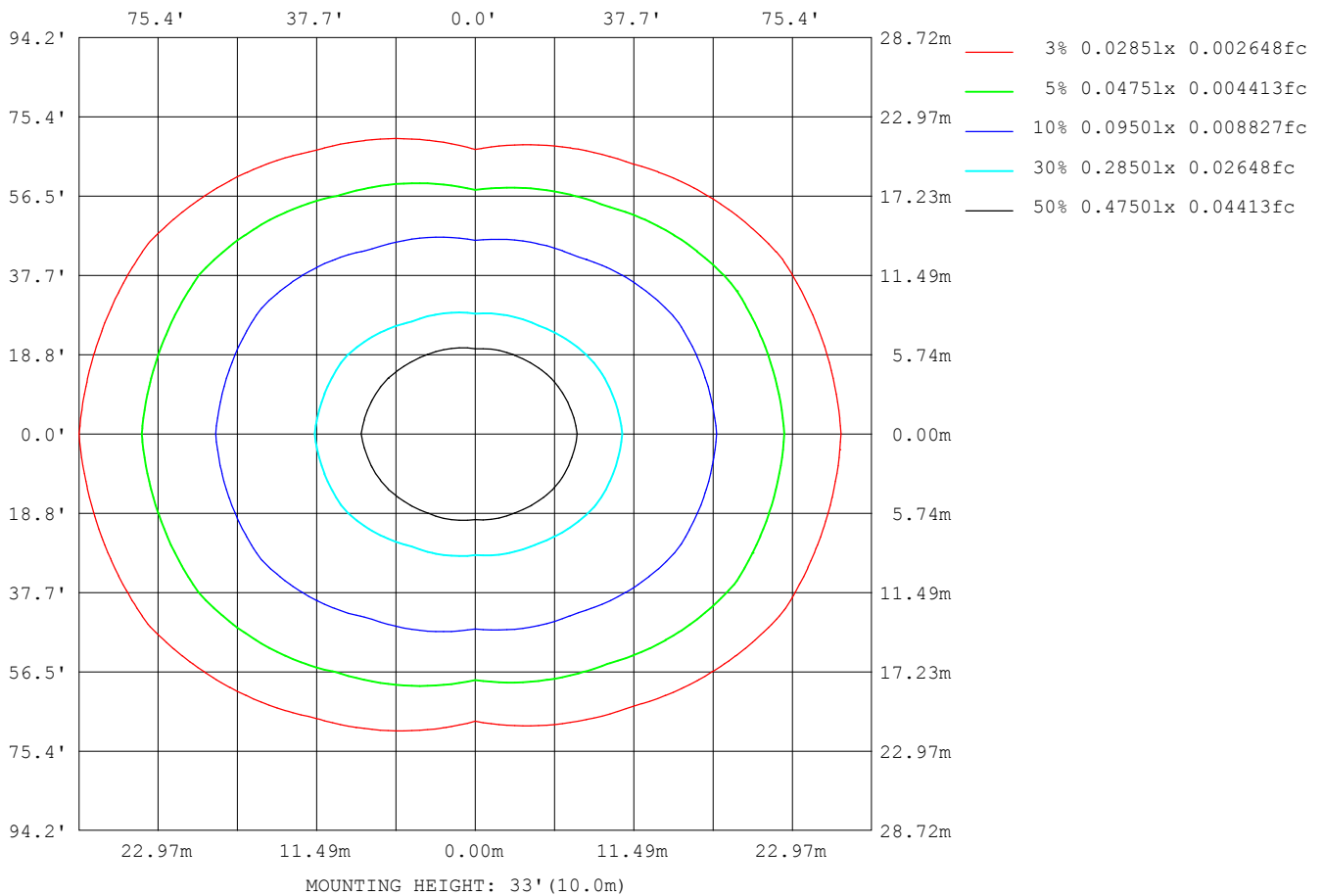
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: HXJ
Test Date: 2022-04-07

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:0.4031A P:9.674W PF:1.000 Freq:0Hz Lamp Flux:525.144x1 lm		
NAME: SF18-24V-3528-120-CC-3000	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022040701
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HXJ
Test Date:2022-04-07

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:

LED Avg.L Report

Test:U:24.00V I:0.4031A P:9.674W PF:1.000 Freq:0Hz Lamp Flux:525.144x1 lm		
NAME: SF18-24V-3528-120-CC-3000	TYPE:硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022040701
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding Angle:

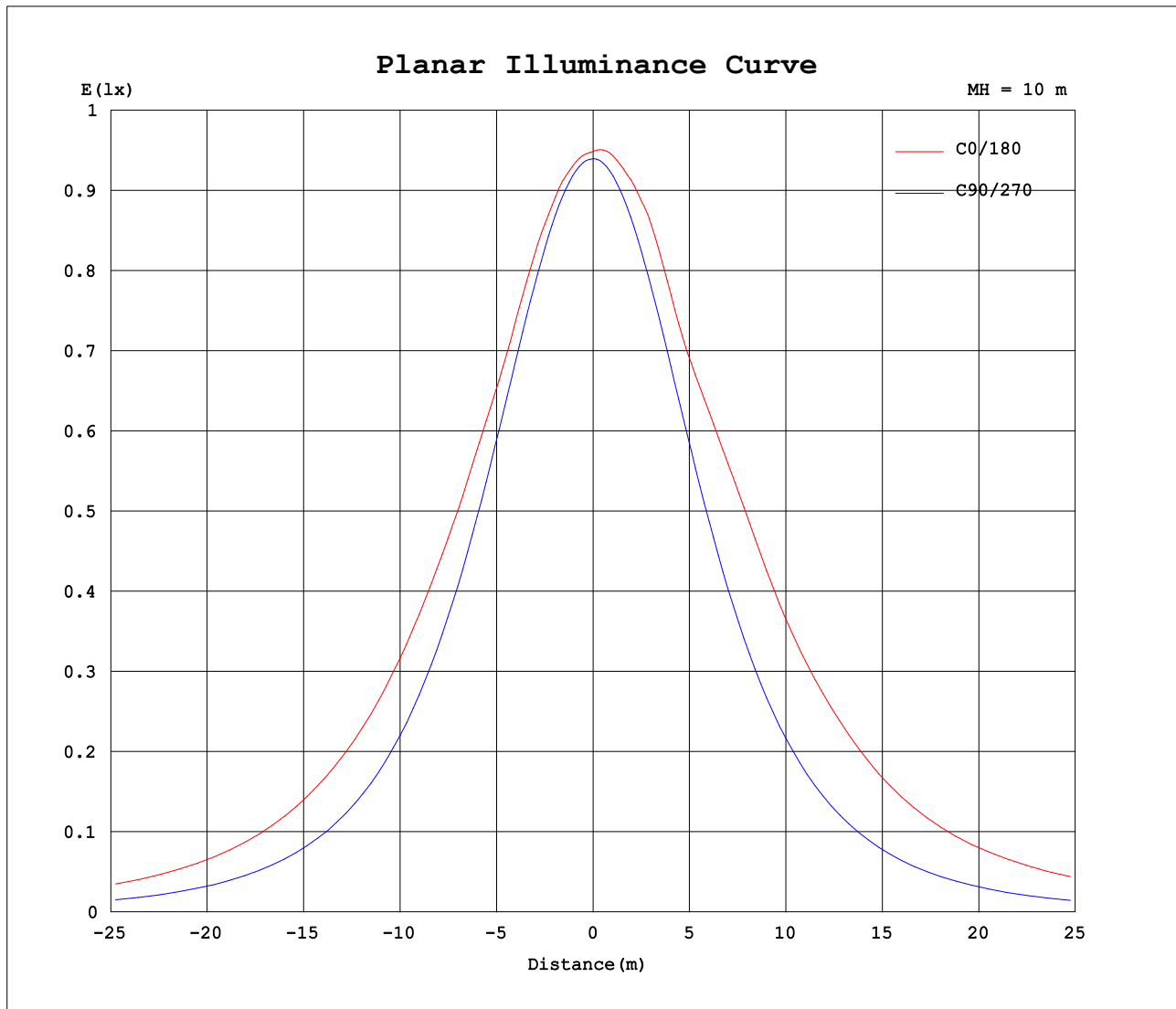
AvgL	cd/m2
L_0~180 (65) av	11418
L_0~180 (75) av	15080
L_0~180 (85) av	35776
L_90~270 (65) av	4799
L_90~270 (75) av	4272
L_90~270 (85) av	3790
L_45 (65) av	8589
L_45 (75) av	10833
L_45 (85) av	22996

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HXJ
 Test Date:2022-04-07

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: HXJ
Test Date: 2022-04-07

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:0.4031A P:9.674W PF:1.000 Freq:0Hz Lamp Flux:525.144x1 lm		
NAME: SF18-24V-3528-120-CC-3000	TYPE: 硅胶	WEIGHT:
SPEC.:	DIM.: 16.5mm*16.5mm	SERIAL No.:2022040701
MFR.: OLYMPIA	SUR.:1*0.0165	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	94.9	94.6	94.3	94.0	93.8	93.7	94.9	94.6	94.3	94.0	93.8	93.7						
5	94.7	94.3	93.8	93.6	94.0	94.4	95.8	95.2	94.3	93.5	93.2	93.4						
10	94.5	93.9	92.8	92.3	93.4	94.6	96.3	95.3	93.7	92.1	92.2	93.0						
15	93.9	92.9	91.0	90.2	92.0	95.1	97.6	95.7	92.2	89.8	90.5	91.8						
20	92.7	91.6	88.6	87.2	90.4	95.1	97.1	95.7	90.6	86.8	88.1	90.5						
25	91.4	89.7	85.8	83.5	88.6	93.1	96.2	93.6	88.7	83.0	85.1	88.5						
30	91.6	87.6	82.3	79.1	85.7	92.0	98.5	92.4	85.8	78.5	81.6	86.5						
35	91.2	86.6	78.1	74.1	81.3	93.1	102	93.5	81.4	73.3	77.3	85.3						
40	91.0	84.6	73.4	68.5	76.5	94.4	104	94.5	76.3	67.6	72.6	83.2						
45	89.7	82.9	68.4	62.4	71.6	94.1	103	94.3	71.4	61.3	67.3	81.4						
50	87.1	80.2	62.8	55.7	66.5	91.8	103	91.8	66.2	54.6	61.7	78.6						
55	83.4	76.2	56.5	48.8	60.9	88.5	99.7	88.4	60.6	47.7	55.4	74.6						
60	77.8	71.0	50.9	41.6	56.1	84.1	94.2	84.1	55.9	40.3	49.7	69.6						
65	71.2	65.2	45.4	34.1	51.0	78.0	88.0	77.9	50.6	32.9	44.3	63.8						
70	63.7	58.4	39.2	26.3	44.7	71.0	81.3	70.9	44.5	25.3	38.3	57.2						
75	56.2	49.9	32.5	18.7	38.3	63.3	72.6	63.0	38.1	17.8	31.8	48.9						
80	49.0	42.3	25.7	11.7	31.7	55.0	64.8	54.9	31.7	11.1	25.2	41.5						
85	43.6	36.8	19.6	5.73	25.8	48.8	59.3	48.7	25.8	5.18	19.0	36.0						
90	43.0	35.5	16.7	2.68	23.1	46.6	58.6	46.7	23.0	2.39	16.0	34.9						
95	45.4	36.9	16.7	2.75	22.1	48.1	59.9	48.3	21.9	2.42	16.1	36.4						
100	45.9	37.5	13.8	2.76	21.1	50.7	59.9	50.8	21.0	2.44	13.9	36.9						
105	44.5	34.7	13.0	2.77	20.6	50.6	60.3	50.9	20.5	2.45	12.4	35.1						
110	41.9	32.6	12.7	2.76	20.5	47.9	59.4	48.0	20.6	2.46	12.5	33.2						
115	39.7	28.5	13.3	2.76	20.3	43.9	55.8	44.0	20.3	2.46	12.6	29.5						
120	36.7	25.5	12.4	2.71	18.8	40.2	50.8	40.1	18.8	2.42	11.8	27.4						
125	33.1	24.2	10.4	2.70	16.8	36.6	45.5	36.5	16.8	2.38	10.3	23.9						
130	28.8	21.6	8.06	2.69	14.4	32.6	40.2	32.5	14.5	2.36	8.87	21.5						
135	24.9	17.6	6.78	2.69	12.3	28.2	34.9	28.1	12.2	2.37	7.53	17.7						
140	20.9	13.8	5.86	2.65	10.3	23.5	29.3	23.3	10.2	2.38	6.30	14.1						
145	16.7	11.0	4.93	2.62	8.52	18.7	23.7	18.5	8.49	2.39	5.34	11.1						
150	12.7	8.12	3.96	2.62	6.68	14.8	18.2	14.6	6.67	2.41	4.35	8.53						
155	10.6	5.77	3.47	2.62	5.36	11.5	13.9	11.2	5.31	2.44	3.63	6.75						
160	8.26	4.53	3.16	2.62	4.41	8.41	10.2	8.13	4.33	2.49	3.10	4.85						
165	5.15	3.40	2.88	2.64	3.63	5.68	6.54	5.49	3.51	2.53	2.78	3.55						
170	3.02	2.93	2.78	2.66	3.31	4.00	3.44	3.91	3.19	2.55	2.71	2.98						
175	2.68	2.72	2.69	2.68	3.21	3.34	2.88	3.30	3.10	2.61	2.66	2.79						
180	2.68	2.72	2.69	2.68	2.76	2.77	2.72	2.77	2.73	2.63	2.71	2.77						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HXJ
Test Date:2022-04-07

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	94.88	94.56	94.26	93.95	93.80	93.72	94.88	94.56	94.26	93.95
3.0	94.74	94.37	94.00	93.82	93.98	94.18	95.43	94.99	94.36	93.81
6.0	94.59	94.21	93.67	93.38	93.96	94.48	95.85	95.27	94.26	93.28
9.0	94.59	93.97	93.03	92.61	93.61	94.58	96.19	95.27	93.90	92.44
12.0	94.14	93.61	92.10	91.51	92.86	94.80	96.84	95.50	93.16	91.30
15.0	93.92	92.88	91.04	90.15	91.97	95.08	97.56	95.69	92.23	89.81
18.0	93.23	92.33	89.81	88.53	91.03	95.36	97.63	95.99	91.19	88.10
21.0	92.48	91.23	88.11	86.53	90.11	94.71	96.85	95.23	90.26	86.09
24.0	91.55	90.16	86.38	84.38	89.00	93.46	96.22	93.97	89.07	83.80
27.0	91.30	88.77	84.50	81.94	87.70	92.32	96.71	92.83	87.79	81.31
30.0	91.57	87.65	82.27	79.14	85.73	92.02	98.48	92.45	85.84	78.50
33.0	91.37	87.20	79.81	76.26	83.17	92.66	100.4	93.06	83.25	75.49
36.0	91.23	86.29	77.25	73.08	80.36	93.27	102.4	93.65	80.39	72.23
39.0	91.11	84.90	74.42	69.63	77.48	94.12	103.6	94.34	77.36	68.75
42.0	90.63	84.02	71.43	66.16	74.52	94.56	103.8	94.79	74.32	65.09
45.0	89.67	82.85	68.36	62.38	71.61	94.09	103.3	94.27	71.42	61.31
48.0	88.23	81.28	65.14	58.42	68.66	92.86	103.0	92.86	68.43	57.35
51.0	86.45	79.51	61.56	54.38	65.35	91.20	102.4	91.12	65.09	53.26
54.0	84.28	77.13	57.73	50.10	61.96	89.18	100.7	89.17	61.68	49.10
57.0	81.46	74.07	54.20	45.91	58.81	86.92	97.56	86.78	58.62	44.79
60.0	77.85	71.02	50.88	41.58	56.13	84.09	94.19	84.08	55.91	40.34
63.0	73.97	67.57	47.71	36.97	53.20	80.51	90.42	80.34	52.88	35.94
66.0	69.87	63.94	44.26	32.52	49.77	76.54	86.81	76.43	49.47	31.40
69.0	65.31	59.92	40.50	27.82	46.00	72.45	82.85	72.42	45.71	26.81
72.0	60.65	54.95	36.57	23.11	42.16	68.22	77.83	68.02	41.92	22.30
75.0	56.17	49.89	32.49	18.66	38.26	63.30	72.63	63.00	38.10	17.82
78.0	51.77	45.15	28.34	14.39	34.33	58.13	67.75	58.15	34.35	13.58
81.0	47.73	41.04	24.51	10.39	30.36	53.56	63.42	53.48	30.35	9.780
84.0	44.34	37.65	20.72	6.710	26.85	49.75	59.99	49.69	26.83	6.147
87.0	43.47	35.99	17.74	3.965	24.17	47.69	58.94	47.82	24.07	3.444
90.0	42.98	35.47	16.68	2.684	23.14	46.56	58.63	46.68	22.95	2.388
93.0	44.45	36.41	16.75	2.746	22.44	47.31	59.65	47.36	22.34	2.377
96.0	45.62	37.06	16.07	2.751	21.93	48.56	59.93	48.76	21.73	2.426
99.0	45.86	37.61	14.57	2.756	21.31	50.26	59.90	50.34	21.21	2.437
102.0	45.69	36.79	13.27	2.761	20.85	51.11	59.85	51.31	20.78	2.449
105.0	44.50	34.68	13.04	2.766	20.56	50.60	60.26	50.89	20.53	2.453
108.0	42.68	33.46	12.46	2.765	20.49	49.10	60.18	49.24	20.54	2.454
111.0	41.55	32.15	12.89	2.765	20.59	47.25	58.85	47.32	20.60	2.456
114.0	40.22	30.44	13.30	2.764	20.48	44.93	56.72	44.97	20.49	2.457
117.0	38.64	25.60	12.62	2.729	19.78	42.16	53.90	42.21	19.79	2.448
120.0	36.75	25.53	12.43	2.709	18.76	40.16	50.79	40.10	18.79	2.417
123.0	34.63	25.22	11.23	2.697	17.65	38.05	47.54	38.09	17.72	2.387
126.0	32.31	23.79	9.856	2.695	16.32	35.75	44.52	35.77	16.34	2.362
129.0	29.64	21.88	8.454	2.693	14.89	33.41	41.35	33.31	14.95	2.359
132.0	27.22	20.84	7.457	2.691	13.52	30.90	38.13	30.78	13.56	2.362
135.0	24.95	17.60	6.782	2.689	12.25	28.17	34.93	28.06	12.24	2.365
138.0	22.69	15.02	6.254	2.654	11.05	25.41	31.52	25.13	10.99	2.372
141.0	20.26	13.32	5.661	2.638	9.980	22.54	28.16	22.37	9.871	2.382
144.0	18.06	11.53	5.133	2.623	8.925	19.61	24.83	19.34	8.876	2.390
147.0	14.61	9.965	4.516	2.621	7.749	17.01	21.40	16.71	7.751	2.398
150.0	12.72	8.116	3.957	2.619	6.678	14.79	18.22	14.59	6.665	2.407
153.0	11.48	6.524	3.559	2.617	5.798	12.73	15.53	12.50	5.762	2.432
156.0	10.12	5.532	3.408	2.615	5.154	10.93	13.04	10.65	5.089	2.457
159.0	8.784	4.842	3.227	2.613	4.600	9.091	10.82	8.826	4.516	2.478
162.0	6.814	3.958	3.016	2.623	4.083	7.156	8.733	6.926	3.993	2.518
165.0	5.148	3.396	2.875	2.639	3.625	5.676	6.543	5.493	3.512	2.530
168.0	3.750	3.070	2.830	2.651	3.398	4.616	5.033	4.500	3.266	2.543
171.0	2.876	2.870	2.754	2.664	3.282	3.712	3.275	3.641	3.166	2.558
174.0	2.689	2.759	2.704	2.674	3.237	3.352	2.924	3.333	3.116	2.613
177.0	2.659	2.684	2.649	2.679	3.087	3.246	2.844	3.227	3.005	2.618
180.0	2.679	2.719	2.689	2.679	2.759	2.774	2.724	2.774	2.734	2.633
G/C	300.0	330.0								
0.0	93.80	93.72								
3.0	93.48	93.51								
6.0	93.11	93.32								
9.0	92.48	93.05								
12.0	91.59	92.60								
15.0	90.50	91.82								
18.0	89.25	91.20								
21.0	87.52	90.09								
24.0	85.69	89.01								
27.0	83.79	87.53								
30.0	81.59	86.46								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: HXJ
 Test Date: 2022-04-07

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:

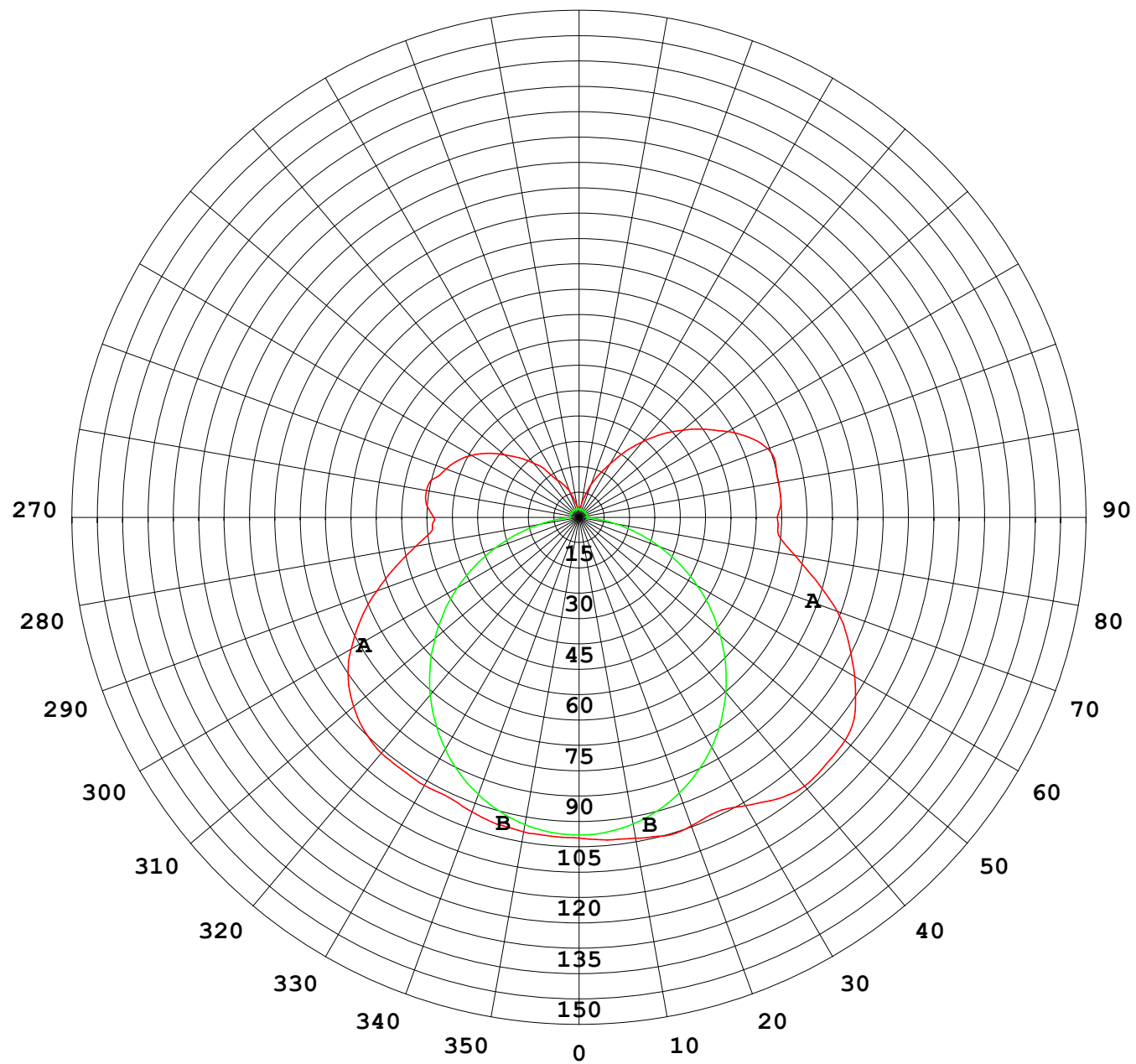
Photometric Data Table [cd]

33.0	79.11	85.98
36.0	76.43	84.90
39.0	73.61	83.54
42.0	70.45	82.57
45.0	67.27	81.41
48.0	64.07	79.81
51.0	60.50	77.85
54.0	56.67	75.53
57.0	53.02	72.61
60.0	49.66	69.56
63.0	46.41	66.37
66.0	43.17	62.59
69.0	39.52	58.61
72.0	35.72	54.07
75.0	31.81	48.85
78.0	27.90	44.42
81.0	23.92	40.24
84.0	20.09	36.91
87.0	17.15	35.38
90.0	15.98	34.87
93.0	16.12	35.80
96.0	15.60	36.54
99.0	14.19	37.06
102.0	13.40	36.42
105.0	12.44	35.07
108.0	12.32	34.01
111.0	12.70	32.72
114.0	12.60	30.95
117.0	12.44	28.46
120.0	11.79	27.35
123.0	10.82	23.93
126.0	9.892	23.59
129.0	9.089	21.85
132.0	8.340	20.34
135.0	7.526	17.66
138.0	6.767	15.30
141.0	6.079	13.32
144.0	5.516	11.53
147.0	4.998	9.975
150.0	4.350	8.533
153.0	3.818	7.361
156.0	3.487	6.471
159.0	3.205	5.276
162.0	2.904	4.240
165.0	2.779	3.550
168.0	2.764	3.177
171.0	2.699	2.920
174.0	2.673	2.815
177.0	2.649	2.764
180.0	2.714	2.769

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HXJ
Test Date:2022-04-07

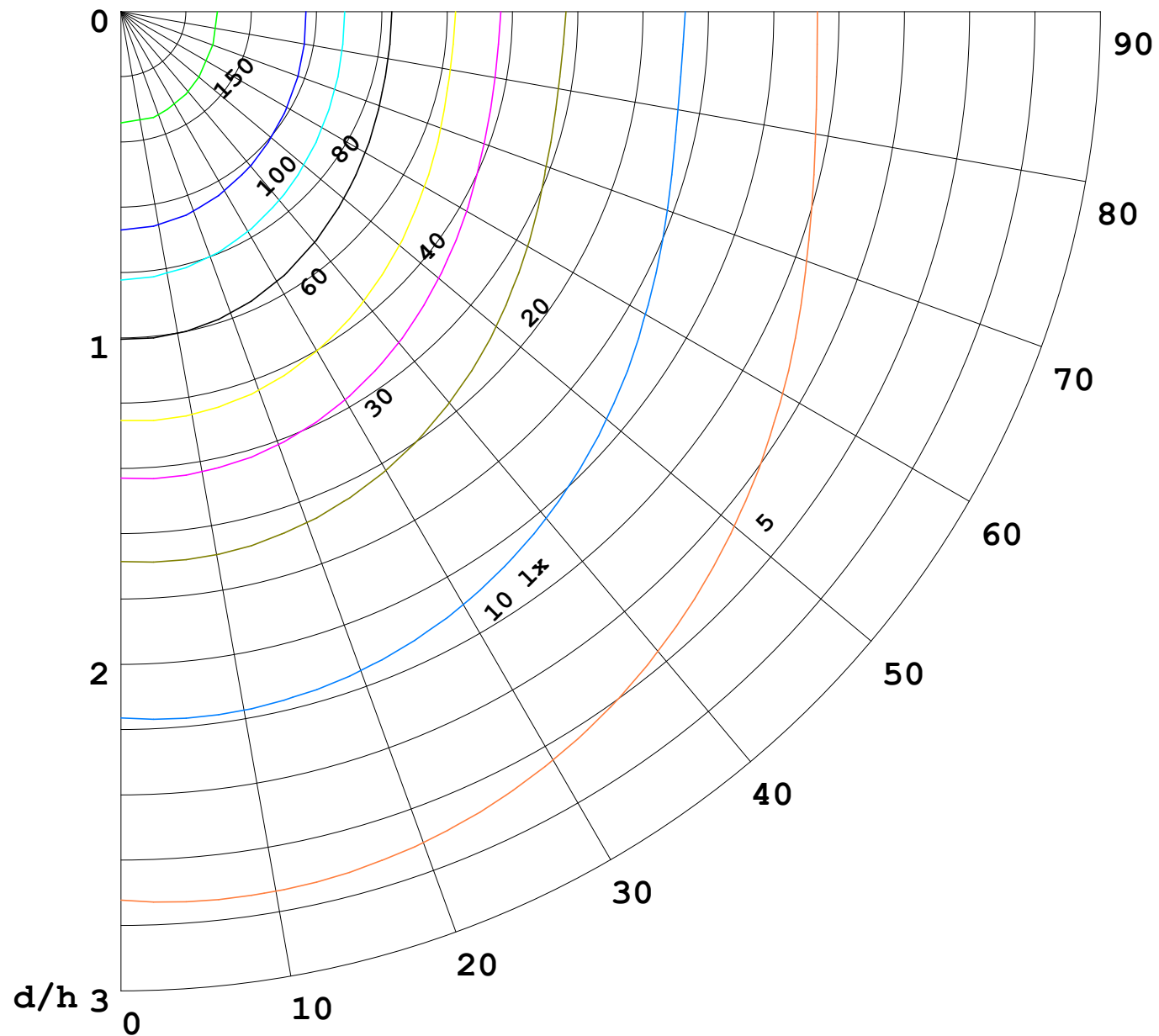
√ Range: 0 - 180DEG
√ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

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

