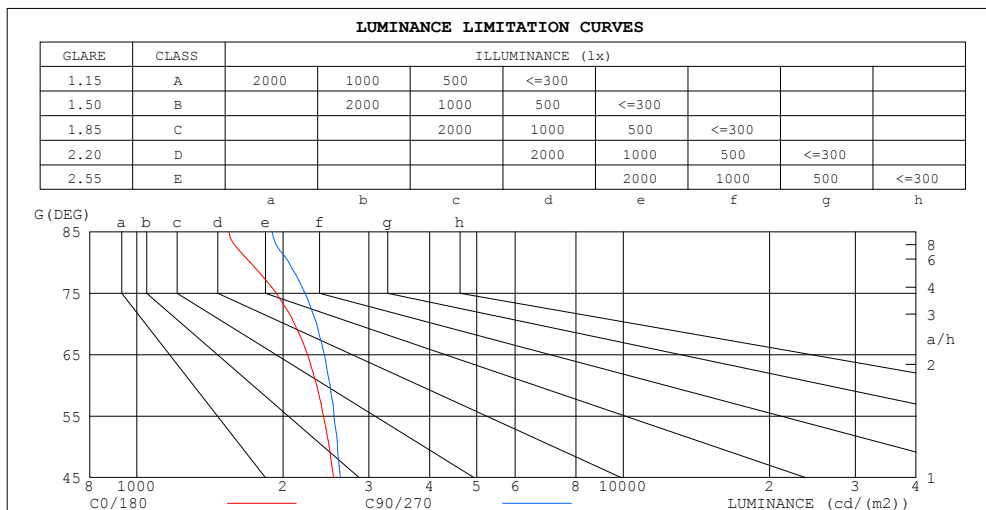


ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	44.49	44.60	44.60	44.35	44.23	44.33	44.51	44.46	0- 10	4.283	4.283	3.23,3.23
20	41.98	42.23	42.30	41.80	41.60	41.55	42.02	42.00	10- 20	12.24	16.52	12.5,12.5
30	37.96	38.33	38.52	37.71	37.48	37.17	38.10	38.04	20- 30	18.46	34.99	26.4,26.4
40	32.65	33.17	33.49	32.71	32.20	31.38	32.95	32.80	30- 40	22.14	57.13	43.1,43.1
50	26.36	26.96	27.42	26.61	26.03	24.72	26.79	26.59	40- 50	22.82	79.94	60.3,60.3
60	19.33	20.00	20.59	19.83	19.27	18.23	19.87	19.64	50- 60	20.56	100.5	75.8,75.8
70	11.90	12.57	13.23	12.63	12.16	11.84	12.62	12.19	60- 70	15.81	116.3	87.7,87.7
80	4.902	5.388	5.884	5.537	5.234	4.989	5.468	5.057	70- 80	9.235	125.5	94.6,94.6
90	0.6855	0.9476	1.005	1.015	0.6669	0.7540	0.8901	0.6561	80- 90	2.842	128.4	96.8,96.8
100	0.3970	0.7991	0.9850	0.7815	0.2312	0.5352	0.8244	0.4900	90-100	0.7270	129.1	97.3,97.3
110	0.4423	0.7715	1.015	0.7890	0.3066	0.5704	0.7640	0.5100	100-110	0.6790	129.8	97.8,97.8
120	0.5177	0.7262	1.015	0.7765	0.3820	0.6156	0.7187	0.5101	110-120	0.6474	130.4	98.3,98.3
130	0.5678	0.7463	0.9748	0.7689	0.4625	0.6659	0.7086	0.5478	120-130	0.5997	131.0	98.8,98.8
140	0.6281	0.7614	0.9197	0.7589	0.5579	0.7086	0.7086	0.6056	130-140	0.5376	131.6	99.2,99.2
150	0.6835	0.7765	0.8795	0.7589	0.6383	0.7689	0.7086	0.6558	140-150	0.4531	132.0	99.5,99.5
160	0.7236	0.7916	0.8544	0.7740	0.7188	0.7740	0.7086	0.7086	150-160	0.3466	132.4	99.8,99.8
170	0.7639	0.7991	0.8493	0.7815	0.7689	0.8142	0.7487	0.7538	160-170	0.2187	132.6	99.9,99.9
180	0.7689	0.7966	0.8493	0.7790	0.7689	0.8318	0.8393	0.8292	170-180	0.0755	132.7	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1549	1898
80	1711	2054
75	1936	2217
70	2109	2344
65	2243	2431
60	2343	2496
55	2420	2545
50	2485	2586
45	2539	2621

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HXJ
Test Date:2022-05-12

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:0.1874A P:4.497W PF:1.000 Lamp Flux:132.67x1 lm		
NAME: SF15-24V-5050-56SPI4-RGBW-(4000)-W	TYPE:硅胶	WEIGHT:
DIM.: 21mm*11.5mm	SPEC.:	SERIAL No.:20220512
MFR.: OLYMPIA	SUR.:1*0.0165	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	.312	.177	.056	.304	.173	.055	.289	.166	.053	.275	.159	.051	.262	.152	.049		
2.0	.292	.160	.049	.285	.157	.048	.272	.151	.047	.259	.145	.046	.248	.140	.044		
3.0	.270	.144	.043	.263	.141	.042	.251	.136	.041	.240	.132	.040	.230	.127	.039		
4.0	.249	.129	.038	.243	.127	.038	.232	.123	.037	.222	.119	.036	.213	.116	.035		
5.0	.230	.117	.034	.225	.115	.034	.215	.112	.033	.206	.109	.032	.198	.106	.032		
6.0	.213	.107	.031	.208	.105	.030	.200	.102	.030	.192	.100	.029	.184	.097	.029		
7.0	.198	.098	.028	.194	.097	.028	.186	.094	.027	.179	.092	.027	.172	.090	.026		
8.0	.185	.090	.025	.181	.089	.025	.174	.087	.025	.168	.085	.025	.162	.083	.024		
9.0	.173	.084	.023	.170	.083	.023	.164	.081	.023	.158	.079	.023	.152	.077	.022		
10.0	.163	.078	.022	.160	.077	.022	.154	.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	.215	.215	.215	.184	.184	.184	.125	.125	.125	.072	.072	.072	.023	.023	.023	
1.0	.205	.181	.159	.176	.155	.137	.120	.107	.095	.069	.062	.055	.022	.020	.018	
2.0	.197	.157	.123	.169	.135	.106	.116	.093	.074	.067	.054	.043	.021	.018	.014	
3.0	.190	.139	.099	.162	.120	.086	.112	.084	.060	.064	.049	.036	.021	.016	.012	
4.0	.182	.126	.084	.156	.109	.073	.107	.076	.051	.062	.045	.030	.020	.014	.010	
5.0	.174	.116	.073	.150	.100	.063	.103	.070	.045	.060	.041	.026	.019	.013	.009	
6.0	.167	.108	.065	.144	.093	.056	.099	.065	.040	.058	.038	.024	.019	.013	.008	
7.0	.161	.101	.059	.138	.087	.051	.095	.061	.036	.055	.036	.022	.018	.012	.007	
8.0	.154	.095	.054	.133	.082	.047	.092	.058	.034	.053	.034	.020	.017	.011	.007	
9.0	.148	.090	.051	.128	.078	.044	.088	.055	.031	.051	.032	.019	.017	.011	.006	
10.0	.142	.086	.048	.123	.074	.042	.085	.052	.030	.050	.031	.018	.016	.010	.006	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HXJ
 Test Date:2022-05-12

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

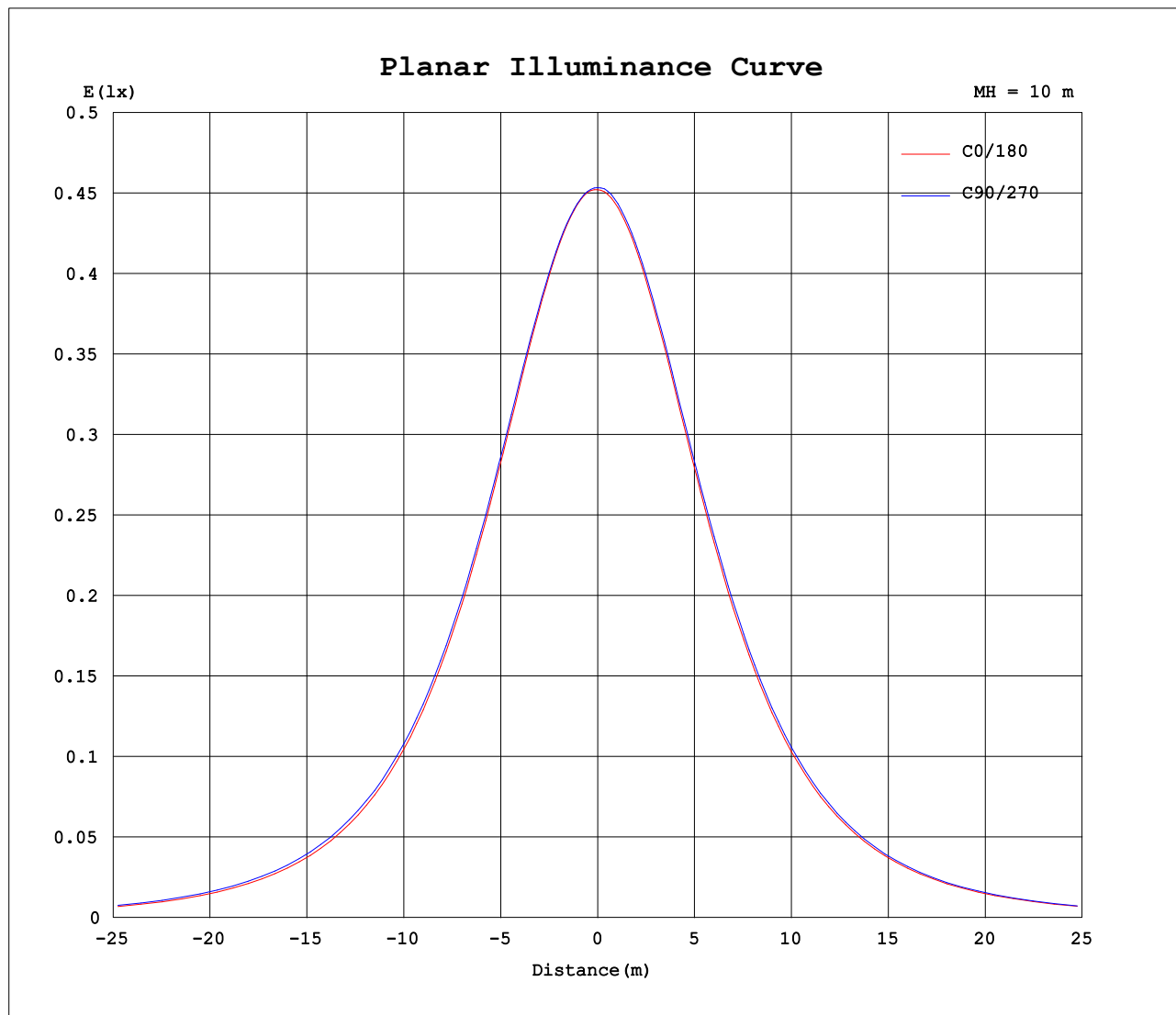
Test:U:24.00V I:0.1874A P:4.497W PF:1.000 Lamp Flux:132.67x1 lm										
NAME: SF15-24V-5050-56SPI4-RGBW- (4000) -W					TYPE: 硅胶			WEIGHT:		
DIM.: 21mm*11.5mm					SPEC.:			SERIAL No.:20220512		
MFR.: OLYMPIA					SUR.:1*0.0165			PROTECTION ANGLE:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
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	15.8	17.3	16.1	17.5	17.8	16.0	17.5	16.3	17.7	18.0
3H	17.3	18.6	17.6	18.9	19.2	17.6	19.0	17.9	19.2	19.6
4H	17.9	19.2	18.2	19.5	19.8	18.2	19.5	18.6	19.9	20.2
6H	18.3	19.5	18.6	19.8	20.2	18.7	19.9	19.1	20.3	20.6
8H	18.4	19.6	18.8	19.9	20.3	18.9	20.1	19.3	20.4	20.8
12H	18.5	19.6	18.9	19.9	20.3	19.0	20.1	19.4	20.5	20.9
4H 2H	16.4	17.7	16.8	18.0	18.4	16.6	17.9	17.0	18.2	18.5
3H	18.1	19.2	18.5	19.6	20.0	18.4	19.5	18.8	19.8	20.2
4H	18.8	19.8	19.2	20.2	20.6	19.1	20.2	19.6	20.5	20.9
6H	19.3	20.2	19.8	20.6	21.1	19.7	20.7	20.2	21.1	21.5
8H	19.5	20.3	20.0	20.8	21.2	20.0	20.8	20.4	21.2	21.7
12H	19.6	20.4	20.1	20.8	21.3	20.1	20.9	20.6	21.3	21.8
8H 4H	19.1	19.9	19.5	20.4	20.8	19.4	20.2	19.8	20.7	21.1
6H	19.8	20.5	20.2	20.9	21.4	20.1	20.8	20.6	21.3	21.8
8H	20.0	20.6	20.5	21.1	21.6	20.4	21.1	20.9	21.5	22.1
12H	20.2	20.8	20.7	21.3	21.8	20.7	21.2	21.2	21.7	22.3
12H 4H	19.1	19.9	19.6	20.3	20.8	19.4	20.2	19.9	20.6	21.1
6H	19.8	20.4	20.3	20.9	21.5	20.2	20.8	20.7	21.3	21.8
8H	20.1	20.7	20.7	21.2	21.7	20.5	21.1	21.1	21.6	22.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 132.7 lm Total Lamp Luminous Flux. (8log(F/F0) = -7.0)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HXJ
Test Date:2022-05-12

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: 2022-05-12

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:0.1874A P:4.497W PF:1.000 Lamp Flux:132.67x1 lm		
NAME: SF15-24V-5050-56SPI4-RGBW-(4000)-W	TYPE:硅胶	WEIGHT:
DIM.: 21mm*11.5mm	SPEC.:	SERIAL No.:20220512
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

Table--1

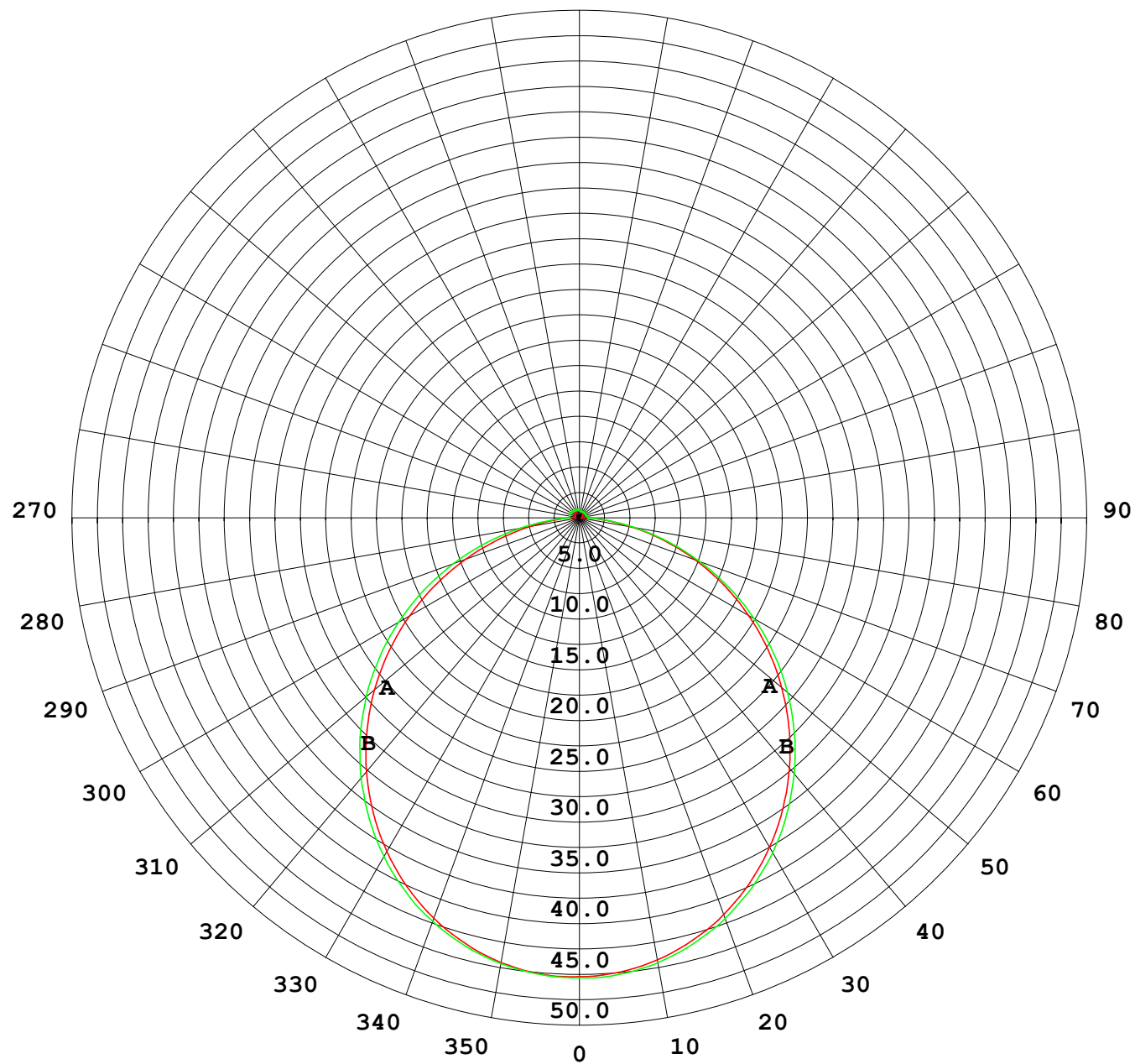
UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	45.2	45.3	45.3	45.3	45.3	45.1	45.2	45.3	45.3	45.3	45.3	45.1						
5	45.1	45.1	45.2	45.2	45.1	44.9	44.9	45.0	45.1	45.2	45.1	45.0						
10	44.5	44.5	44.6	44.6	44.5	44.2	44.2	44.3	44.4	44.5	44.5	44.4						
15	43.4	43.5	43.7	43.6	43.4	43.1	43.1	43.1	43.2	43.4	43.5	43.3						
20	42.0	42.2	42.3	42.3	41.9	41.7	41.6	41.6	41.5	42.0	42.1	41.9						
25	40.2	40.4	40.5	40.6	39.9	39.9	39.7	39.7	39.4	40.2	40.3	40.1						
30	38.0	38.2	38.4	38.5	37.7	37.7	37.5	37.4	36.9	38.1	38.2	37.9						
35	35.4	35.8	36.0	36.1	35.6	35.2	35.0	34.7	34.1	35.6	35.7	35.4						
40	32.7	33.1	33.3	33.5	32.9	32.5	32.2	31.6	31.1	32.9	33.0	32.6						
45	29.6	30.1	30.3	30.6	30.0	29.6	29.2	28.3	27.9	30.0	30.0	29.6						
50	26.4	26.8	27.1	27.4	26.8	26.4	26.0	24.7	24.7	26.8	26.8	26.4						
55	22.9	23.4	23.7	24.1	23.5	23.1	22.7	21.3	21.5	23.4	23.4	23.0						
60	19.3	19.8	20.2	20.6	20.0	19.6	19.3	18.0	18.4	19.9	19.9	19.4						
65	15.6	16.2	16.5	17.0	16.4	16.1	15.7	14.9	15.3	16.3	16.2	15.7						
70	11.9	12.4	12.7	13.2	12.8	12.5	12.2	11.7	12.0	12.6	12.5	11.9						
75	8.27	8.75	9.01	9.47	9.14	8.89	8.63	8.23	8.38	8.96	8.76	8.23						
80	4.90	5.28	5.50	5.88	5.62	5.45	5.23	4.93	5.05	5.47	5.27	4.84						
85	2.23	2.48	2.58	2.73	2.58	2.52	2.26	2.16	2.22	2.41	2.36	2.13						
90	0.69	0.85	1.05	1.01	1.07	0.96	0.67	0.74	0.77	0.89	0.76	0.55						
95	0.40	0.65	0.95	0.98	0.91	0.65	0.23	0.40	0.67	0.85	0.68	0.31						
100	0.40	0.65	0.95	0.99	0.90	0.66	0.23	0.38	0.69	0.82	0.68	0.30						
105	0.43	0.64	0.93	1.01	0.88	0.67	0.27	0.38	0.70	0.79	0.68	0.31						
110	0.44	0.63	0.91	1.02	0.88	0.70	0.31	0.42	0.72	0.76	0.67	0.35						
115	0.47	0.63	0.85	1.02	0.86	0.70	0.34	0.45	0.74	0.74	0.62	0.37						
120	0.52	0.64	0.81	1.02	0.84	0.71	0.38	0.47	0.76	0.72	0.62	0.40						
125	0.53	0.65	0.81	1.00	0.83	0.71	0.42	0.51	0.78	0.71	0.63	0.43						
130	0.57	0.68	0.81	0.97	0.82	0.71	0.46	0.54	0.79	0.71	0.64	0.46						
135	0.60	0.69	0.81	0.93	0.80	0.72	0.51	0.60	0.79	0.71	0.66	0.52						
140	0.63	0.71	0.81	0.92	0.80	0.72	0.56	0.62	0.79	0.71	0.68	0.53						
145	0.66	0.72	0.81	0.90	0.78	0.73	0.60	0.68	0.82	0.71	0.70	0.56						
150	0.68	0.74	0.81	0.88	0.78	0.74	0.64	0.69	0.84	0.71	0.71	0.60						
155	0.70	0.75	0.81	0.87	0.78	0.75	0.68	0.74	0.85	0.71	0.72	0.63						
160	0.72	0.77	0.81	0.85	0.78	0.77	0.72	0.77	0.77	0.71	0.74	0.68						
165	0.76	0.79	0.82	0.85	0.78	0.79	0.75	0.79	0.77	0.72	0.76	0.69						
170	0.76	0.79	0.80	0.85	0.78	0.78	0.77	0.84	0.78	0.75	0.77	0.73						
175	0.77	0.79	0.80	0.85	0.78	0.78	0.77	0.83	0.80	0.76	0.80	0.76						
180	0.77	0.79	0.80	0.85	0.78	0.78	0.77	0.83	0.83	0.84	0.90	0.76						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HXJ
Test Date:2022-05-12

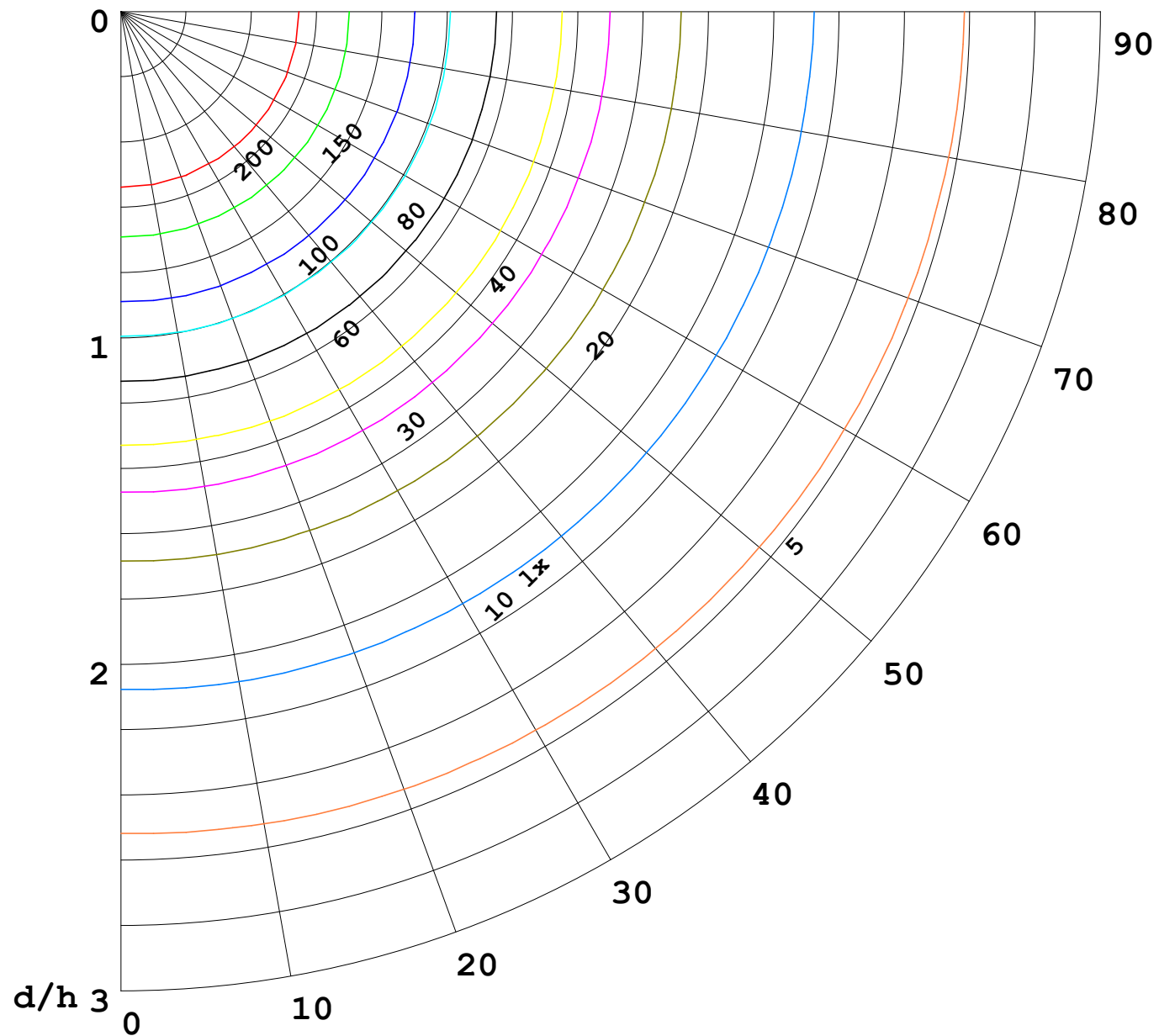
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

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

