

Uncorrected UGR Table

Test:U:24.00V I:0.1895A P:4.548W PF:1.000 Lamp Flux:117.839x1 lm										
NAME: SF15-24V-5050-56SPI4-RGBW- (4000) -G						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	15.4	16.8	15.7	17.1	17.4	15.5	17.0	15.8	17.3	17.5
3H	16.8	18.2	17.2	18.5	18.8	17.1	18.5	17.4	18.7	19.0
4H	17.4	18.7	17.8	19.0	19.3	17.7	19.0	18.1	19.3	19.7
6H	17.8	19.0	18.2	19.4	19.7	18.2	19.4	18.6	19.7	20.1
8H	17.9	19.1	18.3	19.5	19.8	18.4	19.5	18.7	19.9	20.2
12H	18.0	19.1	18.4	19.5	19.9	18.5	19.6	18.9	19.9	20.3
4H 2H	16.0	17.3	16.3	17.6	17.9	16.1	17.4	16.5	17.7	18.0
3H	17.6	18.8	18.0	19.1	19.5	17.8	19.0	18.2	19.3	19.7
4H	18.3	19.4	18.8	19.8	20.2	18.6	19.6	19.0	20.0	20.4
6H	18.9	19.8	19.3	20.2	20.6	19.2	20.1	19.6	20.5	21.0
8H	19.0	19.9	19.5	20.3	20.8	19.4	20.3	19.9	20.7	21.1
12H	19.2	19.9	19.6	20.4	20.8	19.6	20.3	20.0	20.8	21.3
8H 4H	18.6	19.5	19.1	19.9	20.3	18.8	19.7	19.3	20.1	20.6
6H	19.3	20.0	19.8	20.4	20.9	19.6	20.3	20.1	20.7	21.2
8H	19.5	20.2	20.0	20.6	21.2	19.9	20.5	20.4	21.0	21.5
12H	19.7	20.3	20.3	20.8	21.3	20.1	20.6	20.6	21.1	21.7
12H 4H	18.6	19.4	19.1	19.8	20.3	18.8	19.6	19.3	20.1	20.5
6H	19.3	20.0	19.8	20.4	21.0	19.6	20.3	20.1	20.7	21.2
8H	19.6	20.2	20.2	20.7	21.2	19.9	20.5	20.5	21.0	21.5
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 117.8 lm Total Lamp Luminous Flux. (8log(F/F0) = -7.4)

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:

UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.1895A P:4.548W PF:1.000 Lamp Flux:117.839x1 lm		
NAME: SF15-24V-5050-56SPI4-RGBW-(4000)-G	TYPE: 硅胶	WEIGHT:
DIM.: 21mm*11.5mm	SPEC.:	SERIAL No.:20220512
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

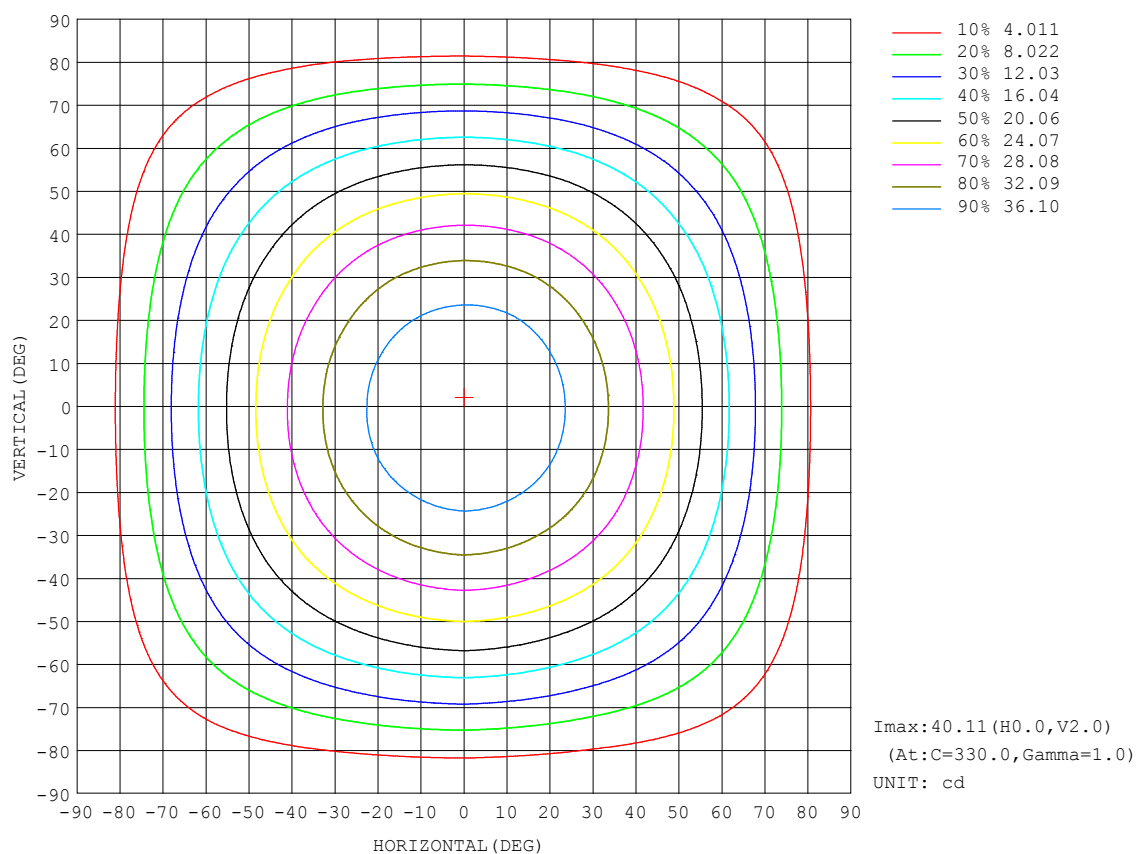
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	54	44	38	31
0.80	67	55	47	65	54	47	63	53	47	40
1.00	75	64	56	74	63	56	71	64	55	48
1.25	82	71	64	80	70	64	77	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	88	81	76	67
2.50	98	90	84	95	88	83	91	85	80	71
3.00	101	94	88	99	92	87	94	89	85	75
4.00	105	99	95	103	97	93	98	94	90	80
5.00	108	103	99	105	101	97	100	96	93	83
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
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Remarks:

ISOCANDELA DIAGRAM

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DIM.: 21mm*11.5mm	SPEC.:	SERIAL No.:20220512
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:

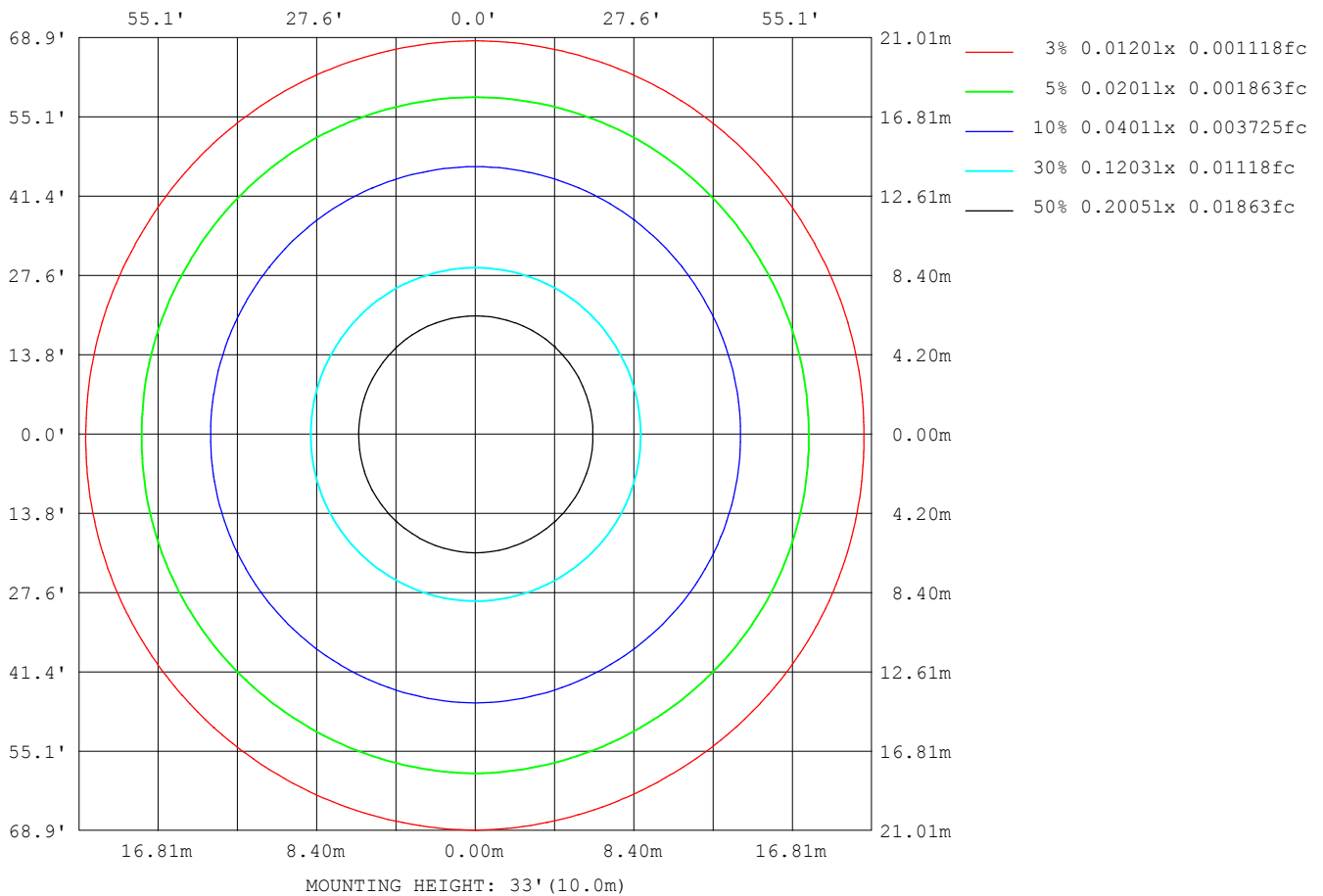


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HXJ
Test Date:2022-05-12

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:

ISOLUX DIAGRAM

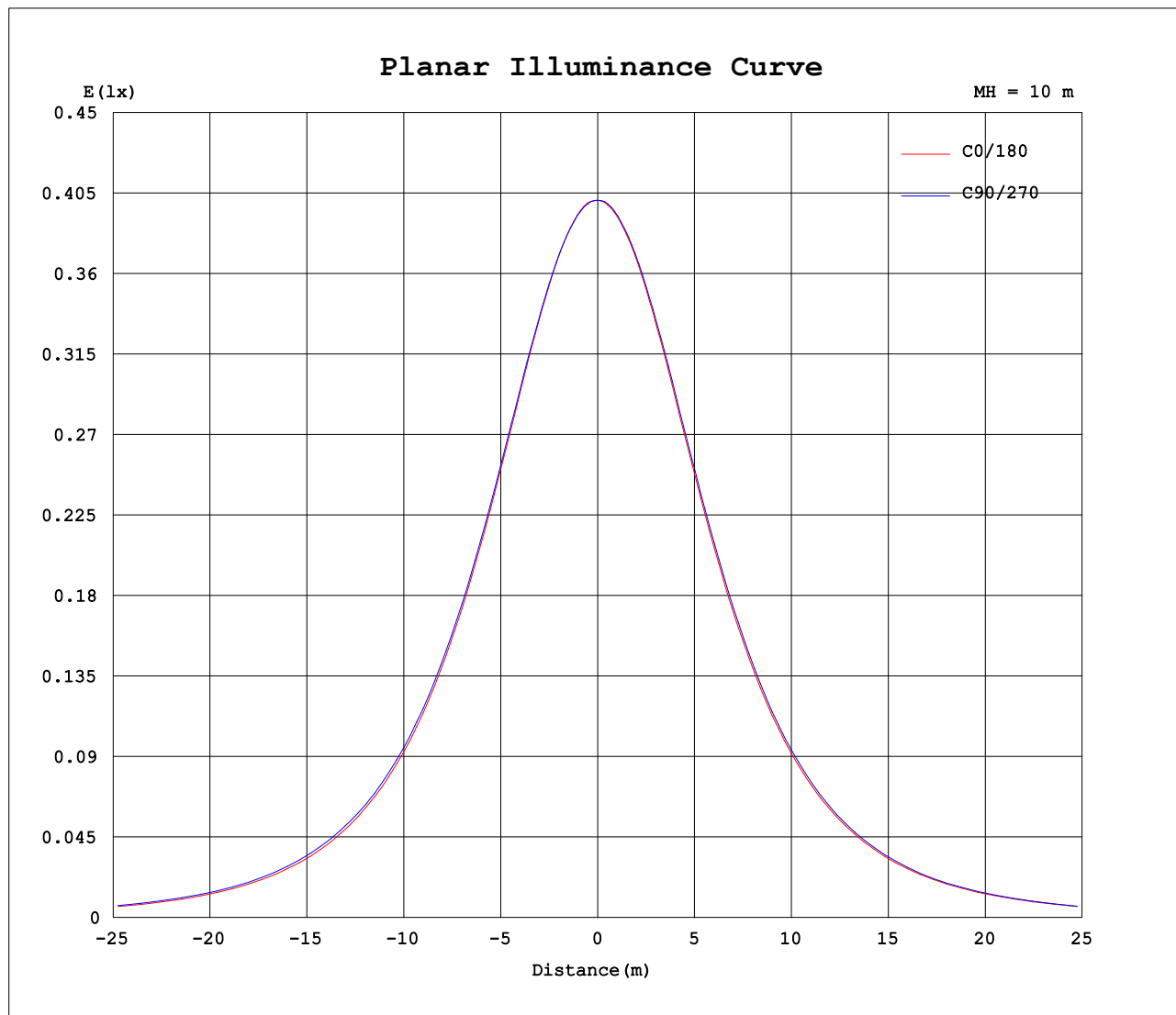
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DIM.: 21mm*11.5mm	SPEC.:	SERIAL No.:20220512
MFR.: OLYMPIA	SUR.:1*0.0165	PROTECTION ANGLE:



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Remarks:

Planar Illuminance Curve



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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.1895A P:4.548W PF:1.000 Lamp Flux:117.839x1 lm		
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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	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1						
5	40.0	40.0	40.0	40.0	40.0	39.9	39.9	39.9	39.9	39.9	39.9	39.9						
10	39.4	39.5	39.5	39.4	39.4	39.3	39.2	39.2	39.3	39.4	39.4	39.4						
15	38.5	38.6	38.6	38.6	38.5	38.4	38.3	38.2	38.3	38.4	38.5	38.5						
20	37.2	37.3	37.4	37.4	37.2	37.1	36.9	36.9	37.1	37.2	37.3	37.2						
25	35.6	35.7	35.8	35.9	35.7	35.5	35.2	35.2	35.5	35.6	35.7	35.5						
30	33.7	33.8	33.9	34.0	33.8	33.6	33.3	33.3	33.6	33.7	33.8	33.6						
35	31.4	31.6	31.7	31.9	31.6	31.4	31.1	31.1	31.4	31.6	31.6	31.4						
40	29.0	29.2	29.3	29.5	29.2	29.0	28.6	28.6	29.0	29.2	29.2	28.9						
45	26.3	26.5	26.7	26.9	26.6	26.4	26.0	26.0	26.3	26.5	26.5	26.2						
50	23.4	23.7	23.8	24.1	23.8	23.5	23.1	23.1	23.5	23.7	23.7	23.4						
55	20.3	20.7	20.8	21.1	20.8	20.5	20.2	20.2	20.6	20.7	20.6	20.3						
60	17.1	17.5	17.6	18.1	17.7	17.5	17.1	17.1	17.5	17.6	17.5	17.2						
65	13.9	14.3	14.4	14.8	14.5	14.3	14.0	14.0	14.3	14.4	14.3	13.9						
70	10.6	10.9	11.1	11.6	11.3	11.1	10.8	10.8	11.1	11.2	11.0	10.5						
75	7.32	7.64	7.75	8.23	8.03	7.91	7.65	7.62	7.88	7.94	7.69	7.29						
80	4.34	4.54	4.64	5.08	4.92	4.84	4.63	4.60	4.80	4.82	4.60	4.29						
85	1.97	2.08	2.06	2.34	2.21	2.18	1.99	1.98	2.11	2.15	2.01	1.88						
90	0.59	0.61	0.68	0.87	0.86	0.79	0.58	0.68	0.72	0.85	0.60	0.49						
95	0.36	0.46	0.61	0.83	0.73	0.56	0.21	0.36	0.63	0.81	0.57	0.29						
100	0.36	0.44	0.61	0.79	0.72	0.52	0.20	0.35	0.63	0.77	0.59	0.29						
105	0.36	0.47	0.61	0.77	0.71	0.54	0.23	0.36	0.63	0.74	0.59	0.30						
110	0.37	0.49	0.61	0.76	0.71	0.55	0.26	0.36	0.63	0.71	0.59	0.31						
115	0.40	0.51	0.62	0.75	0.70	0.57	0.30	0.38	0.63	0.70	0.59	0.34						
120	0.44	0.53	0.62	0.73	0.69	0.58	0.33	0.40	0.63	0.68	0.59	0.36						
125	0.46	0.56	0.63	0.72	0.69	0.59	0.37	0.44	0.63	0.68	0.60	0.38						
130	0.48	0.57	0.65	0.70	0.69	0.60	0.40	0.46	0.63	0.67	0.60	0.40						
135	0.51	0.60	0.67	0.70	0.68	0.62	0.44	0.47	0.63	0.67	0.62	0.44						
140	0.52	0.62	0.68	0.70	0.67	0.63	0.48	0.51	0.64	0.67	0.63	0.46						
145	0.55	0.63	0.68	0.70	0.67	0.64	0.51	0.53	0.65	0.67	0.63	0.49						
150	0.59	0.64	0.69	0.70	0.67	0.65	0.54	0.54	0.66	0.67	0.64	0.52						
155	0.61	0.66	0.69	0.70	0.67	0.66	0.59	0.57	0.66	0.67	0.66	0.54						
160	0.62	0.67	0.69	0.70	0.67	0.68	0.61	0.61	0.68	0.67	0.67	0.56						
165	0.64	0.68	0.69	0.70	0.67	0.69	0.64	0.62	0.68	0.67	0.67	0.61						
170	0.67	0.69	0.69	0.70	0.67	0.69	0.67	0.62	0.69	0.67	0.68	0.61						
175	0.68	0.70	0.69	0.70	0.68	0.70	0.68	0.64	0.70	0.67	0.69	0.63						
180	0.68	0.70	0.69	0.69	0.69	0.70	0.69	0.69	0.70	0.69	0.70	0.68						

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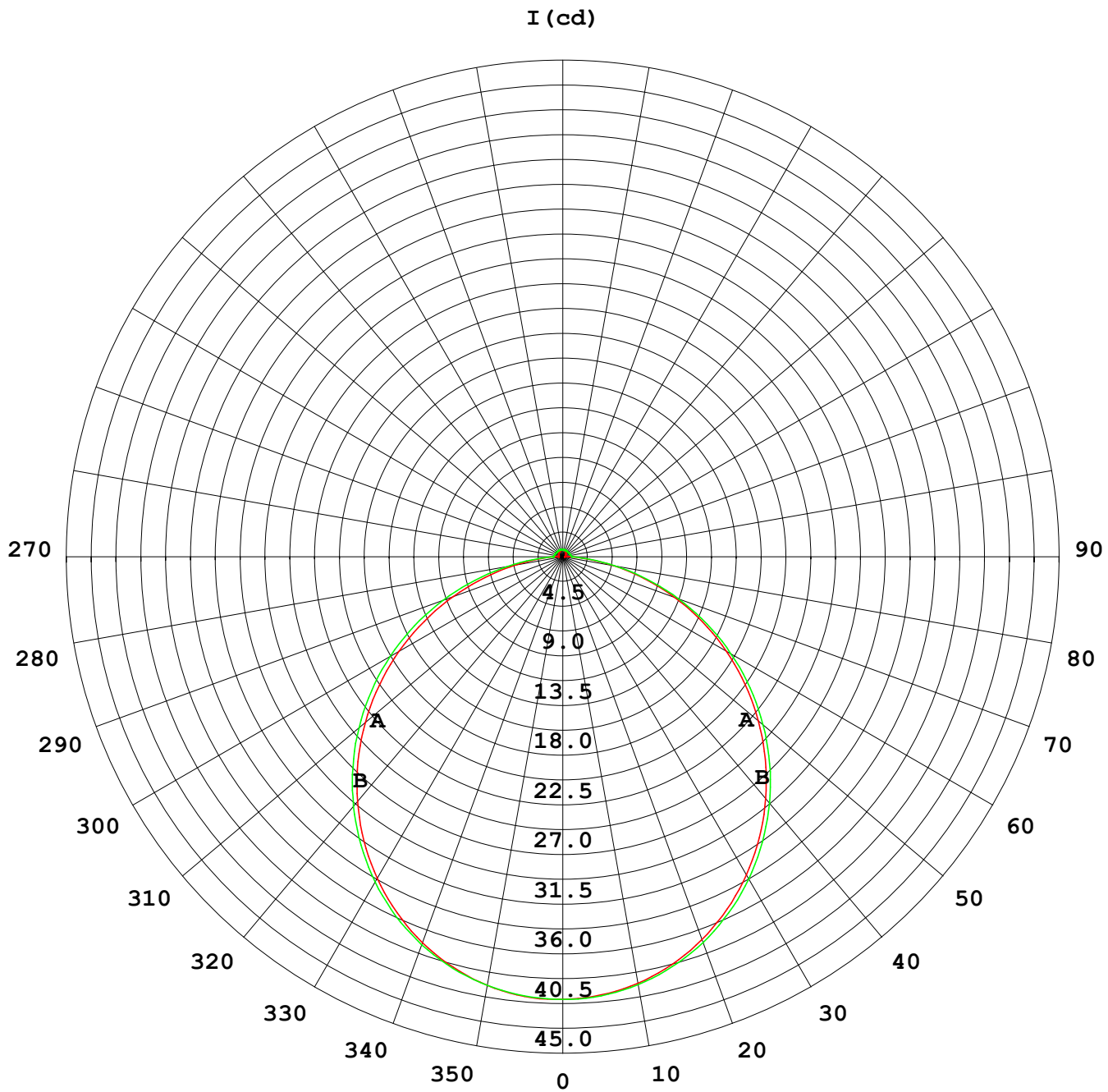
33.0	32.50	32.35
36.0	31.13	30.94
39.0	29.68	29.45
42.0	28.14	27.93
45.0	26.52	26.24
48.0	24.83	24.54
51.0	23.08	22.78
54.0	21.27	20.96
57.0	19.42	19.02
60.0	17.51	17.16
63.0	15.57	15.19
66.0	13.61	13.18
69.0	11.64	11.26
72.0	9.636	9.278
75.0	7.688	7.288
78.0	5.808	5.453
81.0	4.034	3.793
84.0	2.457	2.271
87.0	1.258	1.164
90.0	0.5977	0.4888
93.0	0.5654	0.2917
96.0	0.5730	0.2892
99.0	0.5781	0.2931
102.0	0.5884	0.2971
105.0	0.5890	0.3011
108.0	0.5897	0.3051
111.0	0.5903	0.3066
114.0	0.5910	0.3166
117.0	0.5916	0.3517
120.0	0.5922	0.3618
123.0	0.5929	0.3618
126.0	0.5963	0.3769
129.0	0.5998	0.3920
132.0	0.6032	0.4221
135.0	0.6191	0.4388
138.0	0.6222	0.4489
141.0	0.6233	0.4623
144.0	0.6322	0.4774
147.0	0.6383	0.5126
150.0	0.6434	0.5227
153.0	0.6553	0.5302
156.0	0.6592	0.5427
159.0	0.6637	0.5579
162.0	0.6684	0.6029
165.0	0.6734	0.6080
168.0	0.6786	0.6101
171.0	0.6845	0.6162
174.0	0.6886	0.6282
177.0	0.6986	0.6382
180.0	0.7036	0.6785

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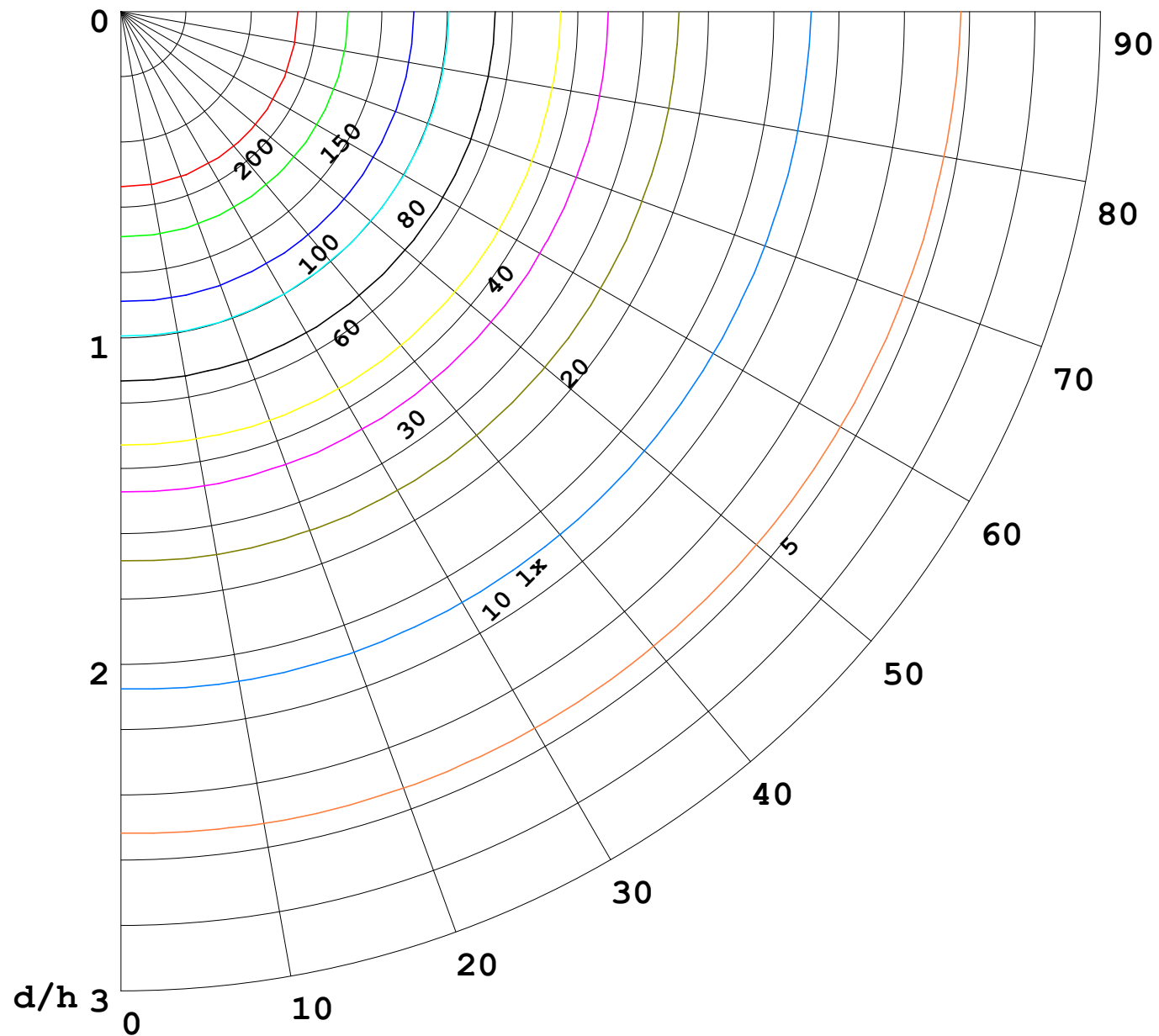
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Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

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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

