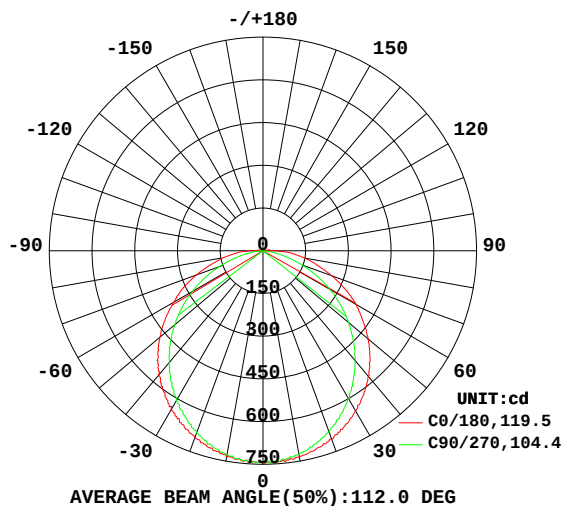


LUMINAIRE PHOTOMETRIC TEST REPORT

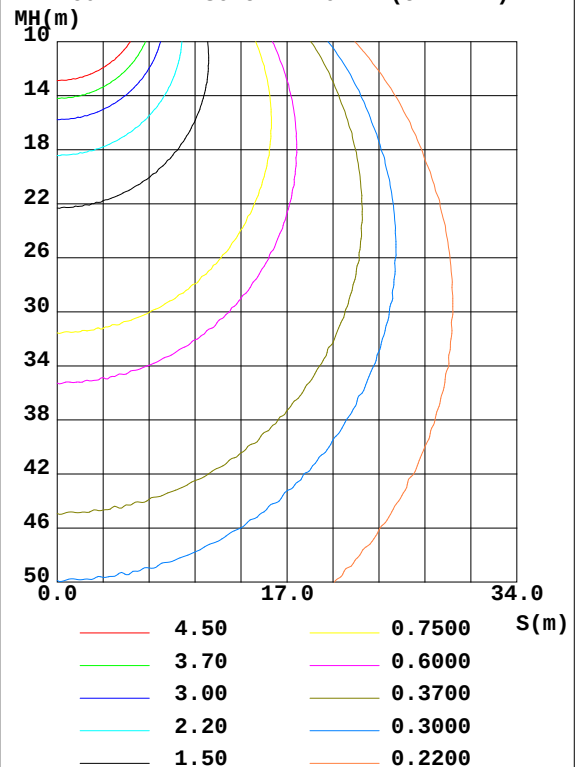
Test:U:120.07V I:0.2647A P:31.360W PF:0.9867 Freq:60.00Hz Lamp Flux:2142.76x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 68.33 lm/W			
MODEL	VN0016-30S-952C5-MVTD-SB002	I _{max} (cd)	749.5	S/MH(C0/180)	1.28
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2142.8	η UP, DN(C0-180)	0.4, 49.2
NOMINAL FLUX(lm)	2142.76	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.4, 50.0
LAMPS INSIDE	1	η up(%)	0.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	99.2	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2022-12-15

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.444
Humidity:60.5%
Test Distance:2.635m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	735.6	734.8	724.6	729.6	735.7	732.3	728.8	733.9	0- 10	70.45	70.45	3.29,3.29
20	703.6	692.5	677.6	686.0	699.7	689.4	681.8	692.0	10- 20	201.4	271.9	12.7,12.7
30	651.0	626.0	598.3	619.7	645.2	623.2	608.9	630.4	20- 30	304.4	576.2	26.9,26.9
40	575.7	539.3	502.5	531.6	571.2	538.5	514.5	543.5	30- 40	365.8	942.1	44,44
50	481.1	434.6	392.3	427.5	474.1	436.2	407.4	444.5	40- 50	378.1	1320	61.6,61.6
60	377.4	317.2	270.5	310.9	363.2	321.1	287.6	327.2	50- 60	339.9	1660	77.5,77.5
70	255.3	192.9	146.4	187.9	249.6	198.3	164.3	204.6	60- 70	259.0	1919	89.6,89.6
80	147.5	84.00	37.70	80.51	141.6	89.39	52.69	95.15	70- 80	151.1	2070	96.6,96.6
90	35.81	10.24	0.1076	10.50	38.01	16.47	0.0949	18.19	80- 90	55.72	2126	99.2,99.2
100	14.67	2.361	0.2063	2.364	10.61	2.010	0.1233	2.720	90-100	6.581	2132	99.5,99.5
110	8.171	2.523	0.2853	2.032	6.344	1.872	0.1790	2.293	100-110	2.493	2135	99.6,99.6
120	6.735	2.769	0.3966	2.063	5.795	2.016	0.3352	2.394	110-120	2.333	2137	99.7,99.7
130	5.429	2.681	0.5507	1.981	4.183	2.025	0.5675	2.383	120-130	1.986	2139	99.8,99.8
140	0.6049	1.722	0.6839	1.680	0.6912	1.437	0.7454	2.174	130-140	1.357	2141	99.9,99.9
150	2.901	1.974	0.7721	1.058	2.411	1.736	0.7671	0.7245	140-150	1.093	2142	99.9,99.9
160	1.998	1.659	0.8681	1.129	1.729	1.177	0.7371	1.585	150-160	0.6815	2142	100,100
170	0.7799	1.153	1.019	0.8592	0.7171	0.8409	0.8610	1.002	160-170	0.3095	2143	100,100
180	0.9765	1.031	0.9420	0.9899	0.9787	1.033	0.9430	0.9938	170-180	0.0878	2143	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

Conical surface Flux(90deg): 1132.8 lm

%lum = 52.9%

%lamp = 52.9%

Conical surface Flux(120deg): 1660 lm

%lum = 77.5%

%lamp = 77.5%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Wilson
 Test Date:2022-12-15

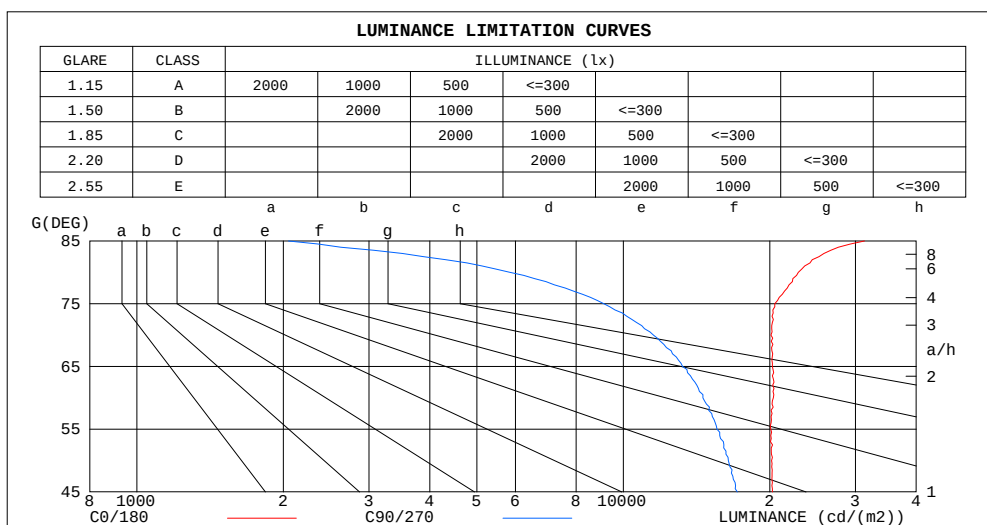
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.444
 Humidity:60.5%
 Test Distance:2.635m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LUMINANCE LIMITATION CURVES

Test:U:120.07V I:0.2647A P:31.360W PF:0.9867 Freq:60.00Hz Lamp Flux:2142.76x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	31309	2050
80	22888	5849
75	20484	9118
70	20111	11528
65	20249	13234
60	20338	14575
55	20091	15583
50	20166	16439
45	20252	17156

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Wilson
 Test Date: 2022-12-15

Checker: Near Gao

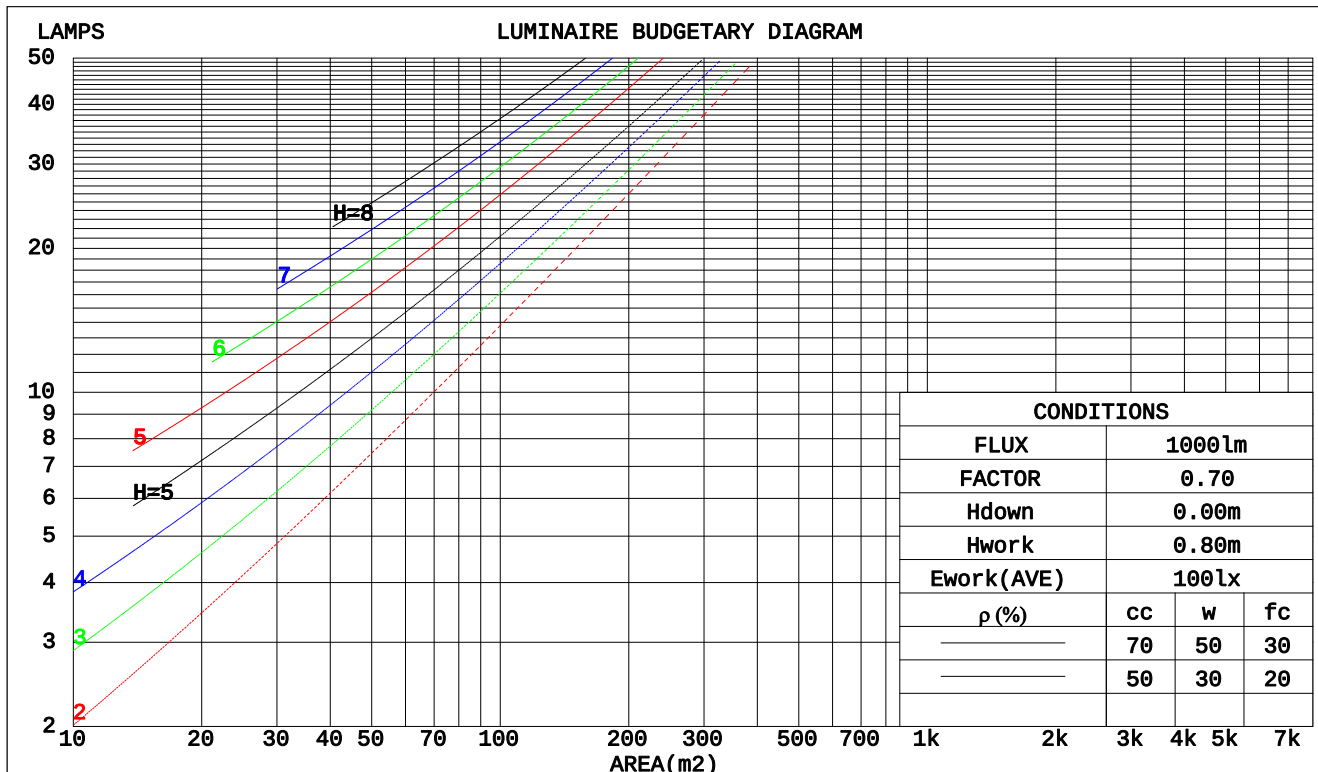
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.444
 Humidity: 60.5%
 Test Distance: 2.635m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.07V I:0.2647A P:31.360W PF:0.9867 Freq:60.00Hz Lamp Flux:2142.76x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.03	.99	.95	1.01	.97	.93	.97	.93	.90	.92	.90	.87	.89	.87	.85	.82
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.76	.72	.78	.74	.71	.68
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.71	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.42
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.51	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.28	.40	.33	.28	.39	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Wilson
 Test Date: 2022-12-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.444
 Humidity: 60.5%
 Test Distance: 2.635m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

WEC AND CCEC

Test:U:120.07V I:0.2647A P:31.360W PF:0.9867 Freq:60.00Hz Lamp Flux:2142.76x1 lm											
NAME:				TYPE:				WEIGHT:			
SPEC.:				DIM.:				SERIAL No.:			
MFR.:				SUR.:				Shielding Angle:			

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.317	.180	.057	.310	.177	.056	.296	.170	.054	.283	.163	.052	.272	.157	.051	
2.0	.295	.162	.050	.289	.159	.049	.276	.154	.048	.265	.149	.047	.255	.144	.045	
3.0	.272	.145	.043	.266	.143	.043	.255	.138	.042	.245	.134	.041	.236	.131	.040	
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.231	.118	.034	.227	.116	.034	.218	.114	.033	.210	.111	.033	.203	.108	.033	
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.195	.102	.030	.189	.099	.030	
7.0	.199	.098	.028	.196	.097	.028	.189	.095	.027	.182	.094	.027	.176	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.024	.171	.083	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.164	.078	.022	.161	.078	.022	.156	.077	.022	.151	.075	.021	.147	.074	.021	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.196	.196	.196	.168	.168	.168	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.187	.162	.140	.160	.139	.120	.109	.096	.083	.063	.055	.048	.020	.018	.016	
2.0	.179	.138	.104	.153	.119	.090	.105	.082	.063	.061	.048	.037	.019	.015	.012	
3.0	.171	.120	.080	.147	.104	.070	.101	.072	.049	.058	.042	.029	.019	.014	.009	
4.0	.163	.107	.064	.140	.093	.056	.096	.065	.039	.056	.038	.023	.018	.012	.008	
5.0	.156	.097	.053	.134	.084	.046	.092	.059	.033	.053	.034	.019	.017	.011	.006	
6.0	.149	.088	.045	.128	.077	.039	.088	.054	.028	.051	.032	.017	.016	.010	.005	
7.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
8.0	.135	.076	.035	.116	.066	.030	.081	.046	.022	.047	.027	.013	.015	.009	.004	
9.0	.129	.071	.031	.111	.061	.027	.077	.043	.019	.045	.026	.012	.015	.008	.004	
10.0	.123	.067	.029	.106	.058	.025	.074	.041	.018	.043	.024	.011	.014	.008	.004	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Wilson
 Test Date:2022-12-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.444
 Humidity:60.5%
 Test Distance:2.635m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

UGR(Unified Glare Rating) Table

Test:U:120.07V I:0.2647A P:31.360W PF:0.9867 Freq:60.00Hz Lamp Flux:2142.76x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.:			SERIAL No.:				
MFR.:			SUR.:			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	23.4	25.0	23.7	25.2	25.4	22.1	23.6	22.4	23.9	24.1
3H	25.2	26.6	25.6	26.9	27.1	23.3	24.7	23.6	24.9	25.2
4H	26.1	27.4	26.4	27.7	27.9	23.6	25.0	24.0	25.2	25.5
6H	26.8	28.1	27.2	28.4	28.7	23.8	25.0	24.1	25.3	25.6
8H	27.2	28.4	27.6	28.7	29.0	23.8	25.0	24.1	25.3	25.6
12H	27.6	28.8	28.0	29.1	29.4	23.7	24.9	24.1	25.2	25.5
4H 2H	23.9	25.2	24.2	25.5	25.8	22.9	24.2	23.2	24.5	24.7
3H	25.9	27.1	26.2	27.4	27.7	24.2	25.3	24.5	25.7	26.0
4H	26.8	27.9	27.2	28.3	28.6	24.6	25.7	25.0	26.0	26.4
6H	27.8	28.8	28.2	29.1	29.5	24.8	25.8	25.3	26.2	26.5
8H	28.3	29.2	28.7	29.6	30.0	24.9	25.8	25.3	26.1	26.5
12H	28.8	29.6	29.2	30.0	30.4	24.8	25.7	25.3	26.1	26.5
8H 4H	27.0	27.9	27.4	28.3	28.7	25.0	25.9	25.4	26.3	26.7
6H	28.1	28.9	28.6	29.3	29.8	25.4	26.1	25.8	26.5	27.0
8H	28.8	29.4	29.2	29.9	30.3	25.4	26.1	25.9	26.5	27.0
12H	29.4	30.0	29.9	30.5	31.0	25.5	26.0	25.9	26.5	27.0
12H 4H	27.0	27.8	27.4	28.2	28.6	25.1	25.9	25.5	26.3	26.7
6H	28.2	28.8	28.6	29.3	29.7	25.5	26.2	26.0	26.6	27.1
8H	28.8	29.4	29.3	29.9	30.3	25.6	26.2	26.1	26.7	27.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 2143 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.6$)
 Area: 0.0372 m²

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Wilson
 Test Date:2022-12-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.444
 Humidity:60.5%
 Test Distance:2.635m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

UTILIZATION FACTORS TABLE

Test:U:120.07V I:0.2647A P:31.360W PF:0.9867 Freq:60.00Hz Lamp Flux:2142.76x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	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	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	78	70	63	56
1.50	87	77	70	86	77	70	83	75	69	61
2.00	94	86	79	92	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	99	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	97	101	97	94	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNM = 1.25		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2022-12-15

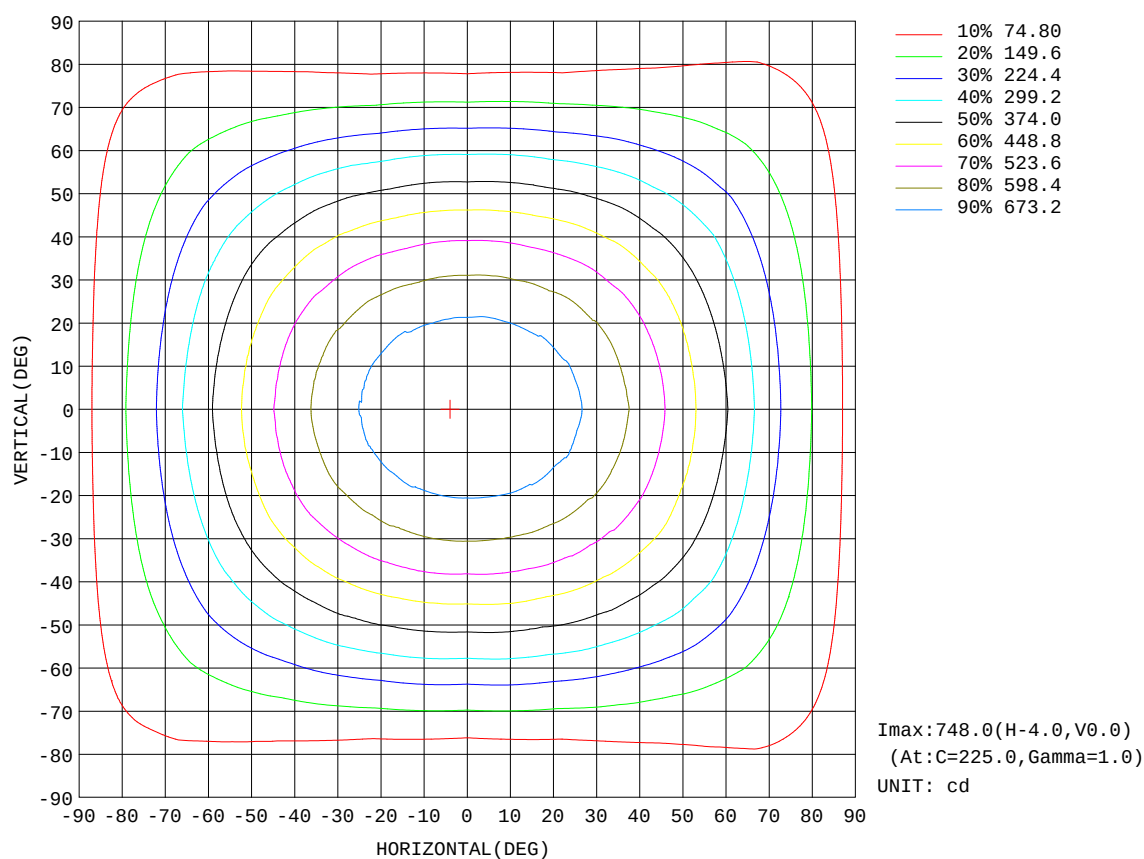
Checker: Near Gao

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.444
Humidity:60.5%
Test Distance:2.635m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu

ISOCANDELA DIAGRAM

Test:U:120.07V I:0.2647A P:31.360W PF:0.9867 Freq:60.00Hz Lamp Flux:2142.76x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Wilson
 Test Date: 2022-12-15

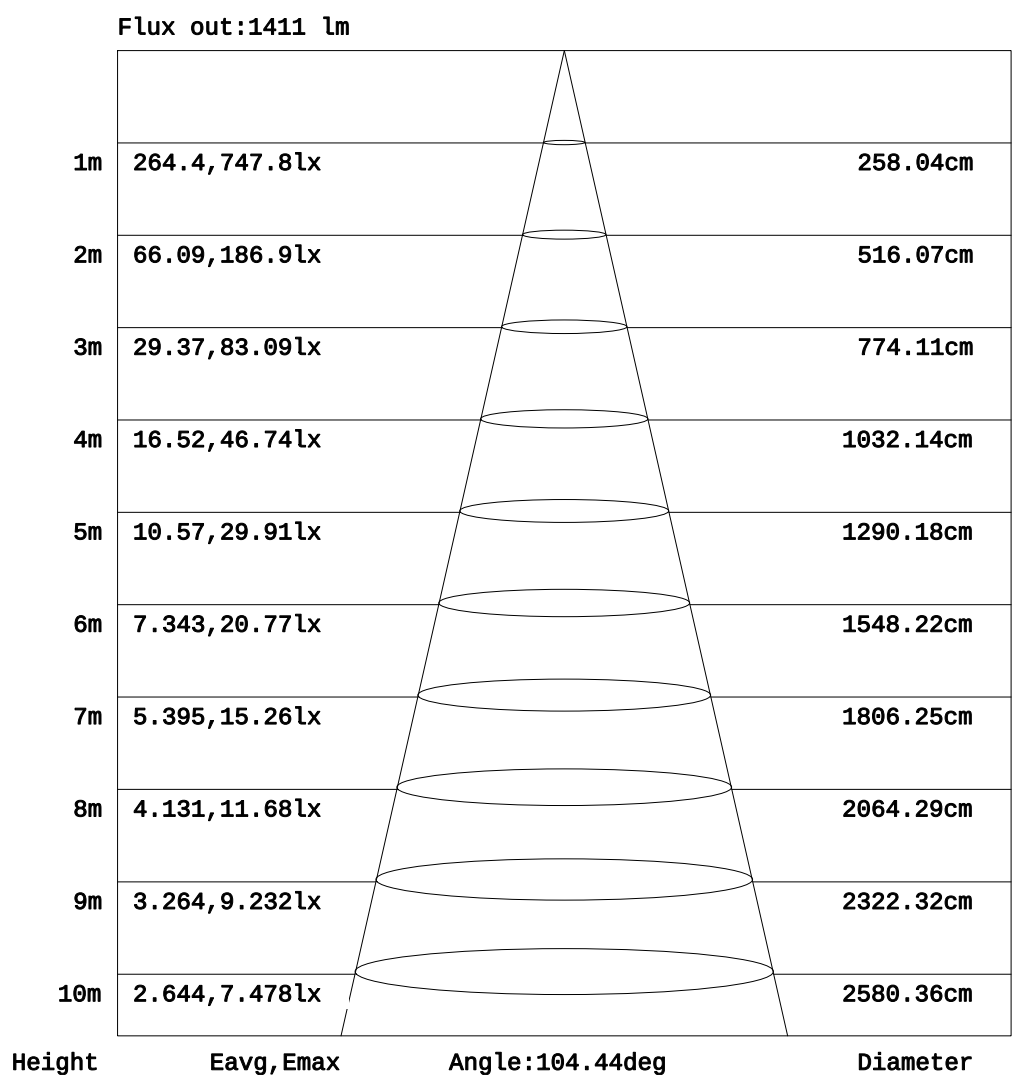
Checker: Near Gao

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.444
 Humidity: 60.5%
 Test Distance: 2.635m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu

AAI Figure

Test:U:120.07V I:0.2647A P:31.360W PF:0.9867 Freq:60.00Hz Lamp Flux:2142.76x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	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: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Wilson
 Test Date: 2022-12-15

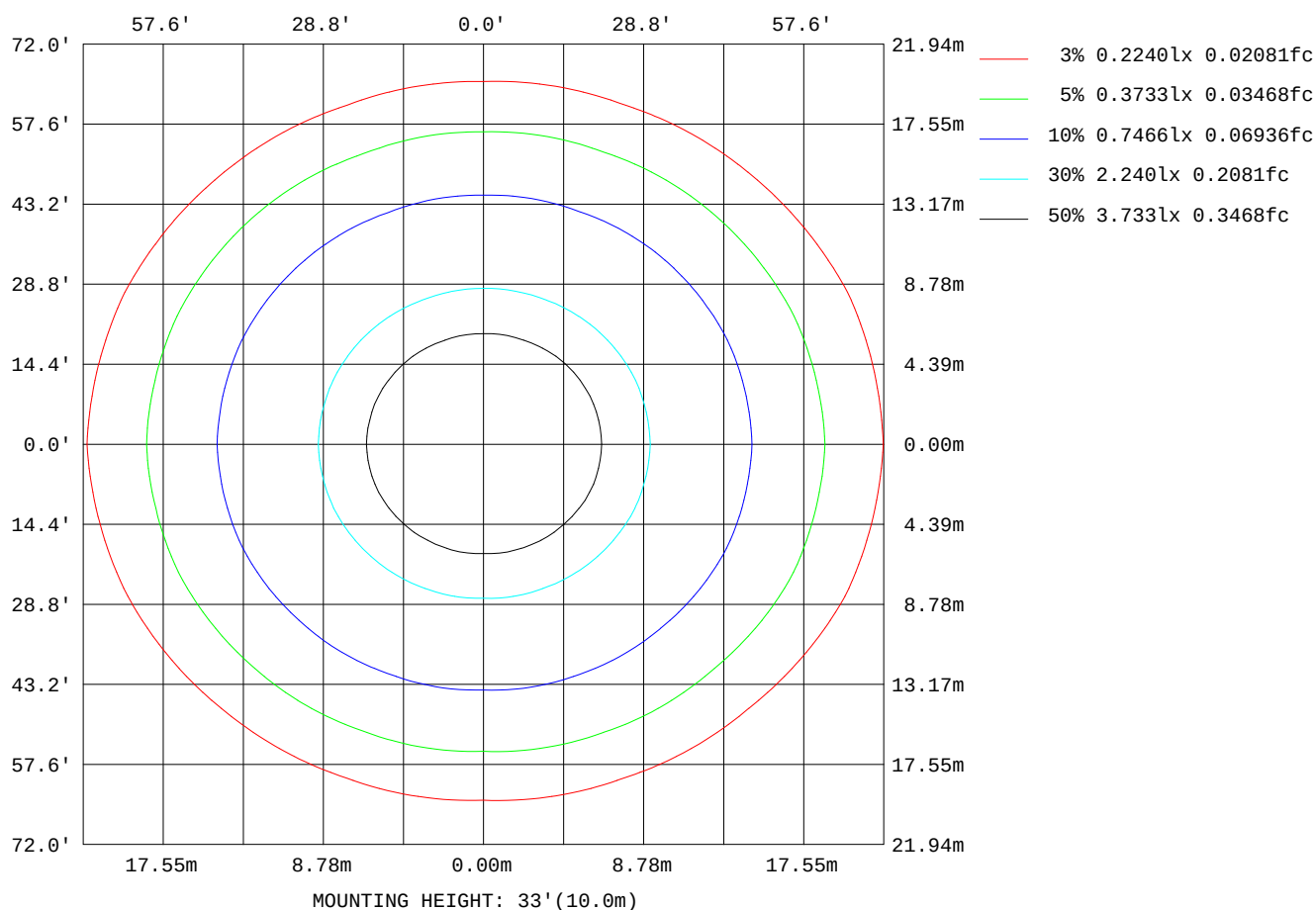
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.444
 Humidity: 60.5%
 Test Distance: 2.635m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOLUX DIAGRAM

Test:U:120.07V I:0.2647A P:31.360W PF:0.9867 Freq:60.00Hz Lamp Flux:2142.76x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2022-12-15

Checker: Near Gao

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.444
Humidity:60.5%
Test Distance:2.635m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu

LED Avg.L Report

Test:U:120.07V I:0.2647A P:31.360W PF:0.9867 Freq:60.00Hz Lamp Flux:2142.76x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	19930
L_0~180(75)av	20050
L_0~180(85)av	29870
L_90~270(65)av	13783
L_90~270(75)av	9987
L_90~270(85)av	3250
L_45(65)av	16386
L_45(75)av	14382
L_45(85)av	14478

Standard: GB/T 29293-2012

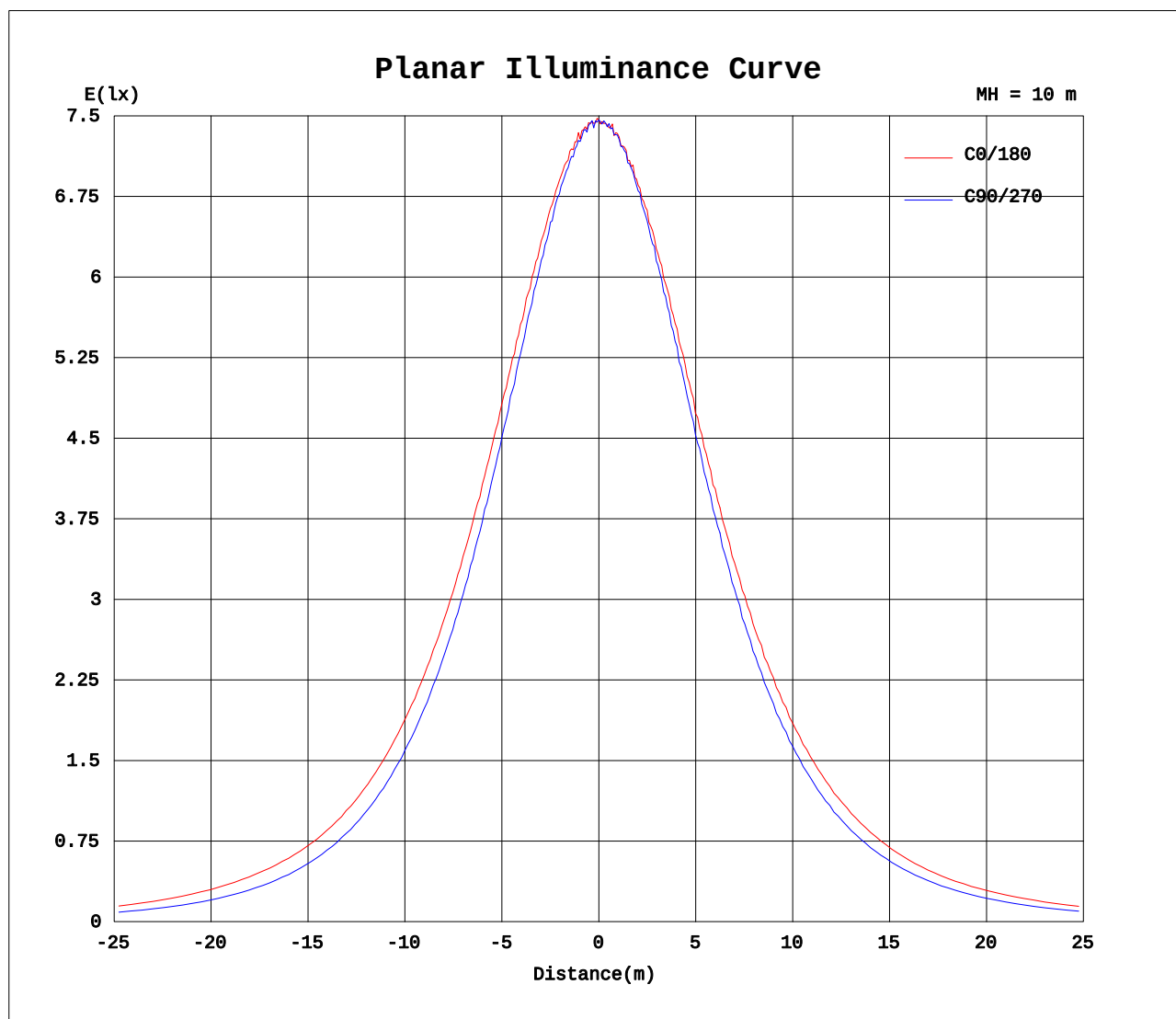
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Planar Illuminance Curve



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Temperature: 25.1DEG
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Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.444
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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.07V I:0.2647A P:31.360W PF:0.9867 Freq:60.00Hz Lamp Flux:2142.76x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	745	745	745	745	745	745	745	745	745	745	745	745	745	745	745	745			
5	743	746	747	741	738	739	738	743	741	746	747	740	739	741	739	747			
10	736	733	735	728	725	726	730	734	736	733	732	728	729	731	734	739			
15	721	725	718	708	703	708	709	720	717	721	717	708	706	711	714	719			
20	704	700	692	682	678	681	686	698	700	697	689	683	682	684	692	703			
25	680	676	664	649	638	648	657	669	673	672	664	648	645	651	663	676			
30	651	644	626	610	598	607	620	638	645	640	623	609	609	615	630	645			
35	617	609	588	564	553	564	578	601	607	604	589	566	562	569	587	608			
40	576	565	539	517	503	514	532	558	571	560	538	517	515	522	544	570			
45	532	520	489	463	450	461	480	512	522	514	490	466	461	470	494	522			
50	481	467	435	408	392	404	427	459	474	462	436	410	407	416	444	471			
55	428	413	380	347	332	347	369	406	420	408	381	354	346	357	386	415			
60	377	356	317	287	271	284	311	346	363	351	321	292	288	298	327	360			
65	318	300	255	223	208	220	248	288	309	295	261	233	226	237	266	306			
70	255	236	193	160	146	159	188	230	250	234	198	171	164	176	205	245			
75	197	177	135	102	87.6	100	131	172	189	176	142	114	105	116	147	185			
80	148	126	84.0	51.1	37.7	50.3	80.5	118	142	123	89.4	60.7	52.7	64.4	95.2	132			
85	101	80.3	43.9	17.5	6.63	16.8	41.8	73.7	92.4	76.8	49.1	23.4	14.4	25.5	52.9	87.7			
90	35.8	27.9	10.2	1.27	0.11	1.48	10.5	27.4	38.0	30.9	16.5	3.84	0.09	4.23	18.2	32.2			
95	19.5	8.81	4.33	0.68	0.16	0.45	4.24	1.53	13.8	7.66	4.22	0.51	0.10	0.65	5.69	8.20			
100	14.7	4.69	2.36	0.79	0.21	0.53	2.36	0.45	10.6	4.42	2.01	0.48	0.12	0.59	2.72	5.04			
105	7.91	3.69	2.41	0.90	0.24	0.61	2.12	0.30	5.03	3.12	1.85	0.55	0.15	0.67	2.31	3.00			
110	8.17	4.13	2.52	0.98	0.29	0.68	2.03	0.33	6.34	3.27	1.87	0.62	0.18	0.76	2.29	2.75			
115	7.55	4.44	2.65	1.05	0.34	0.76	2.03	0.38	6.59	3.52	1.95	0.71	0.24	0.86	2.33	2.54			
120	6.73	4.54	2.77	1.13	0.40	0.83	2.06	0.44	5.79	3.34	2.02	0.81	0.34	0.96	2.39	2.22			
125	6.06	4.55	2.77	1.21	0.47	0.92	2.06	0.51	5.04	3.21	2.05	0.93	0.44	1.07	2.44	1.76			
130	5.43	4.50	2.68	1.29	0.55	0.97	1.98	0.57	4.18	3.29	2.03	1.03	0.57	1.20	2.38	1.21			
135	4.81	1.65	2.47	1.32	0.63	0.96	1.86	0.60	3.82	1.54	2.00	1.10	0.70	1.30	2.30	0.65			
140	0.60	3.67	1.72	1.32	0.68	0.93	1.68	0.89	0.69	2.81	1.44	1.07	0.75	1.32	2.17	3.19			
145	3.44	3.13	0.81	1.33	0.76	0.93	1.56	2.30	2.69	2.50	0.97	1.05	0.80	1.30	2.06	3.02			
150	2.90	2.71	1.97	0.67	0.77	0.89	1.06	2.03	2.41	2.18	1.74	0.77	0.77	1.24	0.72	2.63			
155	2.42	2.25	1.87	1.24	0.79	0.86	0.83	1.82	2.00	1.91	1.44	0.94	0.84	0.85	1.38	2.21			
160	2.00	1.92	1.66	1.16	0.87	0.75	1.13	1.58	1.73	1.49	1.18	0.91	0.74	0.93	1.58	1.92			
165	1.72	0.94	1.45	0.73	0.96	0.89	0.78	1.16	1.18	0.76	1.01	0.81	0.84	0.97	0.68	1.63			
170	0.78	0.82	1.15	0.82	1.02	0.89	0.86	0.80	0.72	0.76	0.84	0.71	0.86	0.93	1.08	0.71			
175	1.20	1.04	0.94	0.92	0.96	0.93	0.98	1.00	0.91	0.92	0.89	0.81	0.97	0.97	1.03	1.09			
180	0.98	1.01	1.03	1.03	0.94	0.97	0.99	0.97	0.98	1.01	1.03	1.03	0.94	0.98	0.99	0.97			

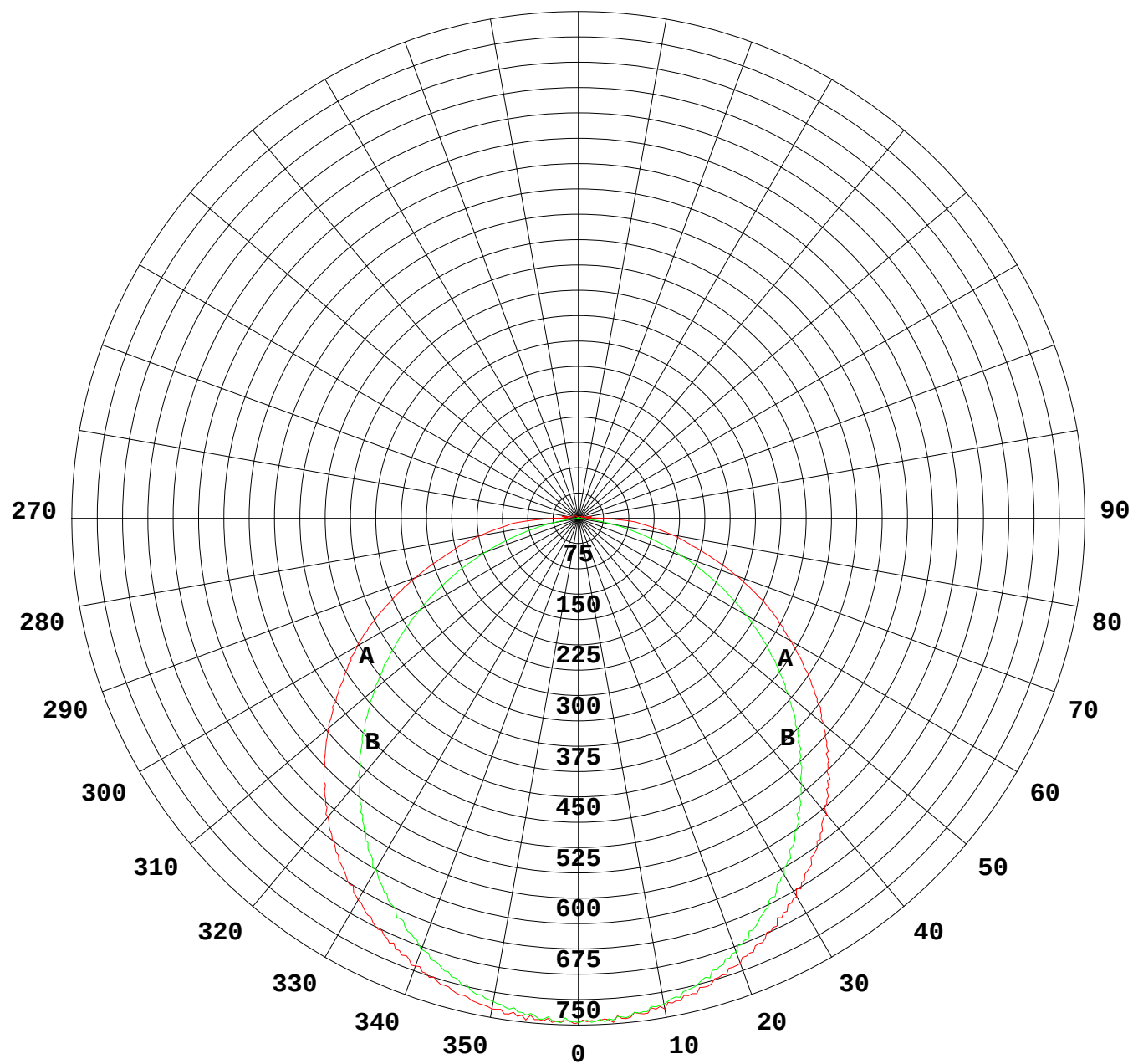
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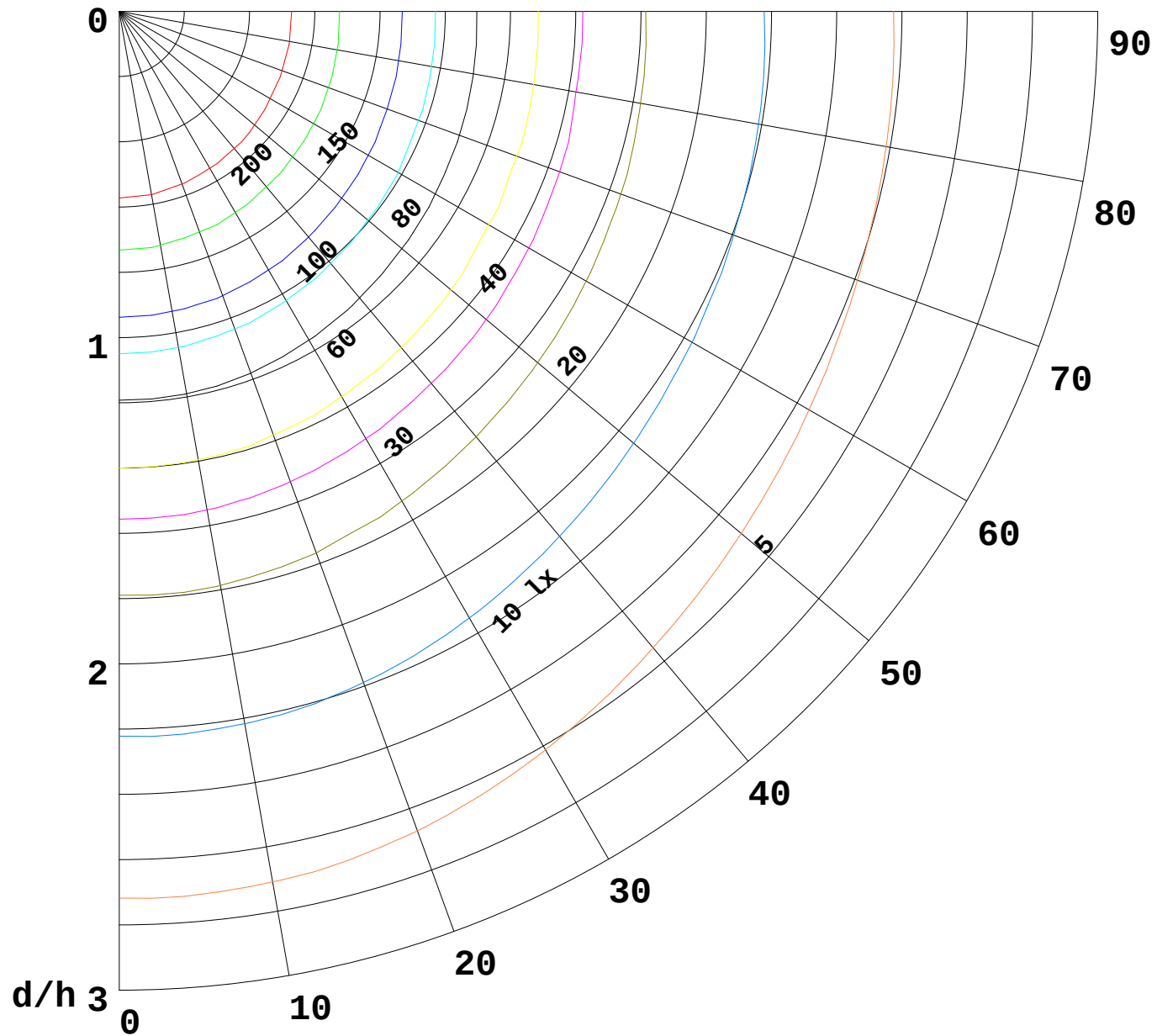
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I(cd)



1000 lm

$K = 1$



F = 1000 lm
 K = 0.7
 Hcc = 0.8 m
 Hfc = 0.0 m
 Eave = 100 lx

	Pcc	Pw	Pfc
—————	70	50	30
—————	50	30	20

