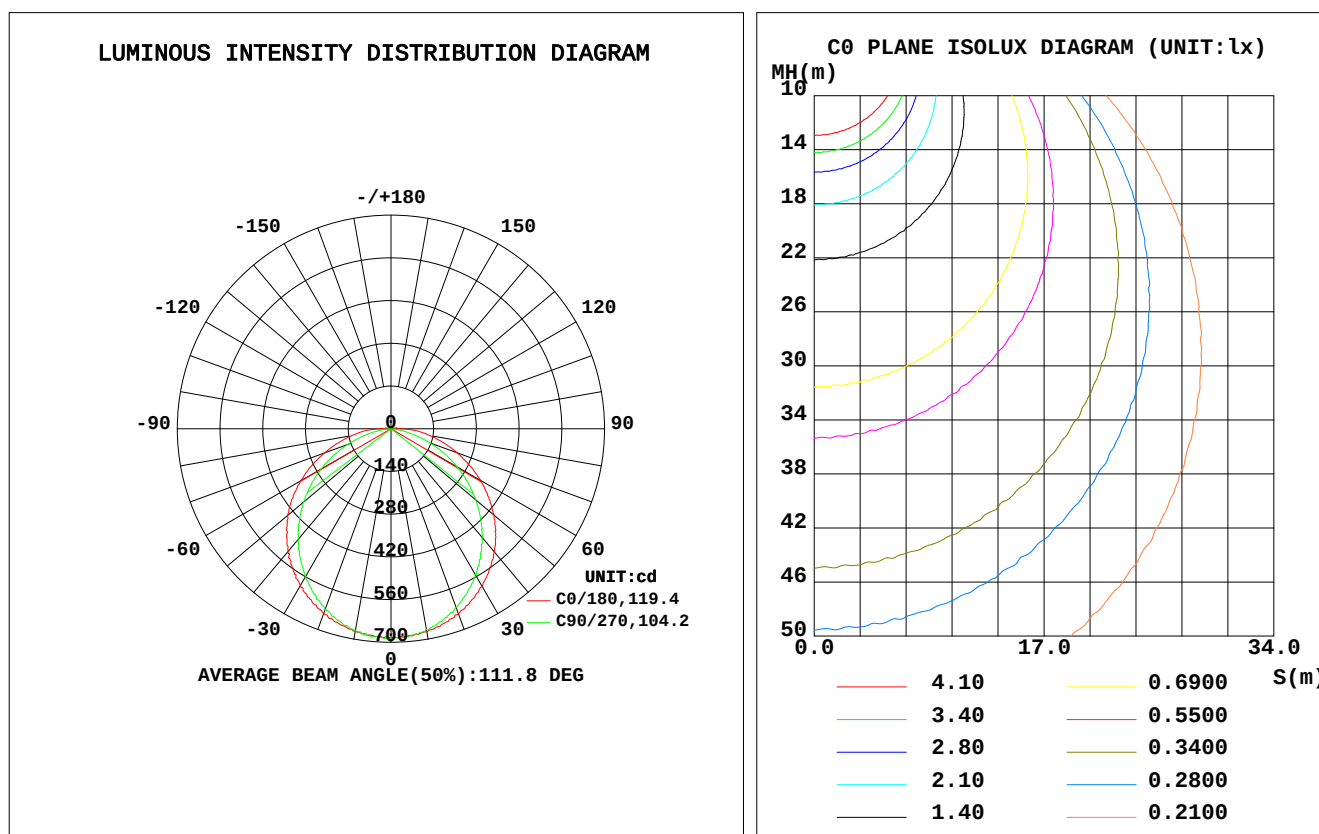


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.07V I:0.2662A P:31.540W PF:0.9868 Freq:60.00Hz Lamp Flux:1972.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 62.53 lm/W			
MODEL: S-952C5-MVTD-SB002		Imax(cd)	691.8	S/MH(C0/180)	1.29
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1972.3	η UP, DN(C0-180)	0.4, 49.1
NOMINAL FLUX(lm)	1972.3	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.4, 50.1
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



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

Checker: Near Gao

```

Range: 0 - 180DEG
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

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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	676.0	671.3	667.6	674.0	672.5	673.4	672.4	676.2	0- 10	64.88	64.88	3.29,3.29
20	646.3	634.4	622.8	633.5	643.9	632.9	629.4	639.6	10- 20	185.5	250.4	12.7,12.7
30	597.4	572.9	550.5	572.4	594.5	575.2	559.6	578.8	20- 30	280.3	530.7	26.9,26.9
40	527.6	492.5	463.4	491.6	524.2	497.5	473.3	502.5	30- 40	336.7	867.4	44,44
50	441.3	396.3	360.4	396.5	442.4	402.4	373.5	406.4	40- 50	348.0	1215	61.6,61.6
60	339.9	288.4	249.7	287.7	341.2	296.0	265.3	300.3	50- 60	313.4	1529	77.5,77.5
70	231.9	175.5	134.9	176.0	232.0	184.1	151.1	187.3	60- 70	237.9	1767	89.6,89.6
80	129.7	75.26	35.01	75.49	131.1	84.32	48.68	86.03	70- 80	139.1	1906	96.6,96.6
90	33.19	9.546	0.0987	9.670	34.81	15.36	0.0875	16.63	80- 90	51.12	1957	99.2,99.2
100	11.90	1.964	0.1891	2.298	11.28	2.019	0.1127	2.191	90-100	5.943	1963	99.5,99.5
110	7.109	2.079	0.2632	2.062	6.131	1.916	0.1654	1.873	100-110	2.258	1965	99.6,99.6
120	5.787	2.234	0.3677	2.128	5.756	2.073	0.3096	1.928	110-120	2.149	1967	99.7,99.7
130	4.430	2.096	0.5100	2.015	4.417	2.058	0.5285	1.890	120-130	1.800	1969	99.8,99.8
140	0.5575	1.415	0.6285	1.725	0.6350	1.381	0.6953	1.706	130-140	1.217	1970	99.9,99.9
150	2.223	1.528	0.7172	1.013	2.428	1.616	0.6997	0.6625	140-150	0.9749	1971	100,100
160	1.528	1.184	0.7755	1.329	1.584	1.362	0.6938	1.149	150-160	0.6004	1972	100,100
170	0.7162	0.9627	0.9336	0.8102	0.6607	0.8396	0.7762	0.8641	160-170	0.2809	1972	100,100
180	0.8877	0.9311	0.8973	0.9033	0.8895	0.9314	0.8970	0.9040	170-180	0.0802	1972	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

Conical surface Flux(90deg): 1042.9 lm

%lum = 52.9%

%lamp = 52.9%

Conical surface Flux(120deg): 1528.9 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

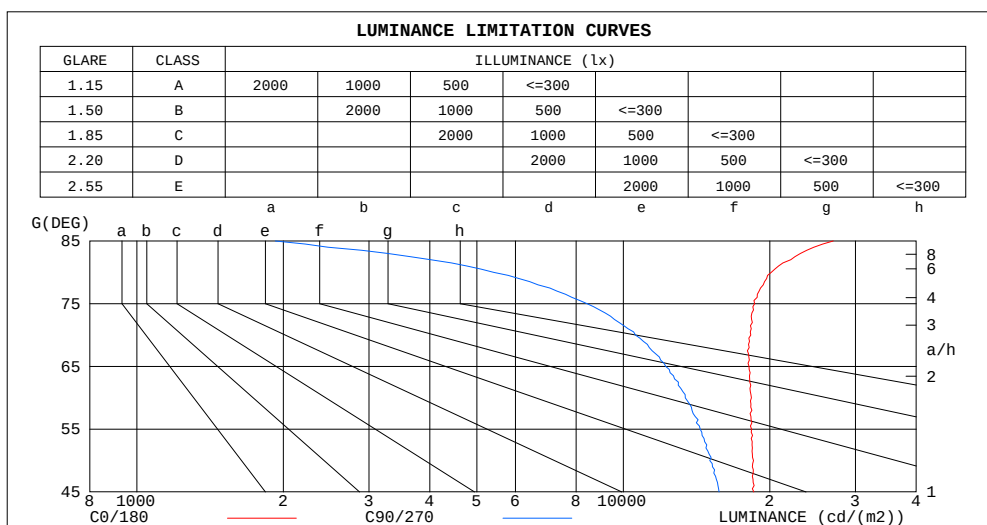
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.444
 Humidity:60.5%
 Test Distance:2.635m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LUMINANCE LIMITATION CURVES

Test:U:120.07V I:0.2662A P:31.540W PF:0.9868 Freq:60.00Hz Lamp Flux:1972.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	27001	1926
80	20135	5413
75	18620	8424
70	18284	10592
65	18131	12229
60	18331	13407
55	18355	14383
50	18513	15055
45	18544	15736

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

Checker: Near Gao

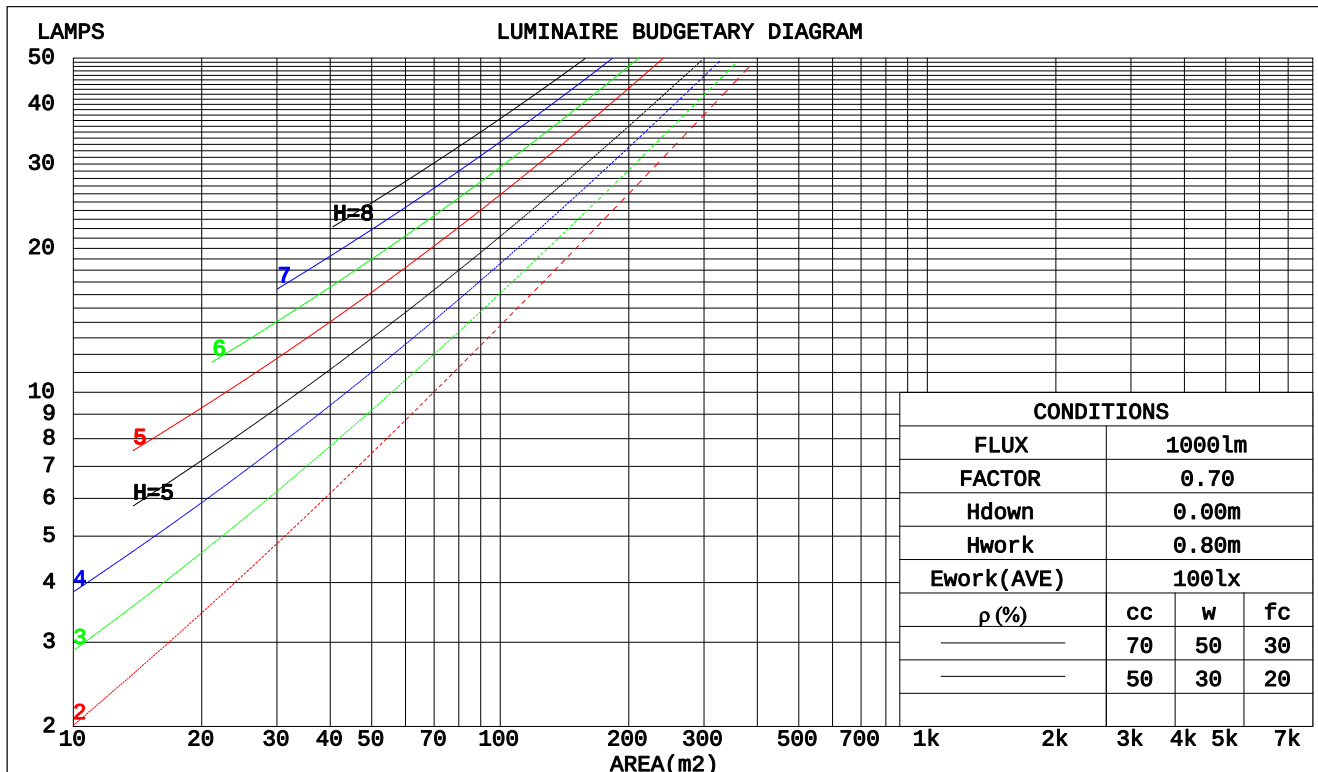
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.444
Humidity:60.5%
Test Distance:2.635m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.07V I:0.2662A P:31.540W PF:0.9868 Freq:60.00Hz Lamp Flux:1972.3x1 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	.33	.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:0.2662A P:31.540W PF:0.9868 Freq:60.00Hz Lamp Flux:1972.3x1 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	.271	.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	.076	.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	.062	.060	.048	.037	.019	.015	.012	
3.0	.171	.120	.080	.146	.104	.069	.101	.072	.049	.058	.042	.029	.019	.014	.009	
4.0	.163	.107	.064	.140	.093	.056	.096	.064	.039	.056	.038	.023	.018	.012	.008	
5.0	.156	.097	.053	.134	.084	.046	.092	.058	.033	.053	.034	.019	.017	.011	.006	
6.0	.148	.088	.045	.128	.077	.039	.088	.054	.028	.051	.032	.017	.016	.010	.005	
7.0	.142	.081	.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	.025	.012	.015	.008	.004	
10.0	.123	.066	.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:0.2662A P:31.540W PF:0.9868 Freq:60.00Hz Lamp Flux:1972.3x1 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	23.0	24.6	23.3	24.8	25.0	21.8	23.3	22.1	23.5	23.8
3H	24.8	26.2	25.1	26.5	26.7	23.0	24.4	23.3	24.6	24.9
4H	25.6	27.0	26.0	27.2	27.5	23.3	24.7	23.7	24.9	25.2
6H	26.4	27.7	26.7	27.9	28.2	23.5	24.7	23.8	25.0	25.3
8H	26.8	28.0	27.1	28.3	28.6	23.5	24.7	23.8	25.0	25.3
12H	27.1	28.3	27.5	28.6	28.9	23.4	24.6	23.8	24.9	25.2
4H 2H	23.5	24.8	23.8	25.1	25.4	22.5	23.9	22.9	24.1	24.4
3H	25.5	26.6	25.8	27.0	27.3	23.9	25.0	24.2	25.3	25.7
4H	26.4	27.5	26.8	27.8	28.2	24.3	25.4	24.7	25.7	26.1
6H	27.4	28.3	27.8	28.7	29.1	24.5	25.5	25.0	25.9	26.2
8H	27.8	28.7	28.3	29.1	29.5	24.6	25.4	25.0	25.8	26.2
12H	28.3	29.1	28.7	29.5	29.9	24.5	25.4	25.0	25.8	26.2
8H 4H	26.6	27.5	27.0	27.9	28.3	24.7	25.6	25.1	26.0	26.4
6H	27.7	28.4	28.2	28.9	29.3	25.1	25.8	25.5	26.2	26.7
8H	28.3	29.0	28.8	29.4	29.9	25.1	25.8	25.6	26.2	26.7
12H	28.9	29.5	29.4	30.0	30.5	25.1	25.7	25.6	26.2	26.7
12H 4H	26.6	27.4	27.0	27.8	28.2	24.8	25.6	25.2	26.0	26.4
6H	27.7	28.4	28.2	28.8	29.3	25.2	25.9	25.7	26.3	26.8
8H	28.4	28.9	28.9	29.4	29.9	25.3	25.9	25.8	26.3	26.8
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 1972 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.4$)
 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:0.2662A P:31.540W PF:0.9868 Freq:60.00Hz Lamp Flux:1972.3x1 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	88	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

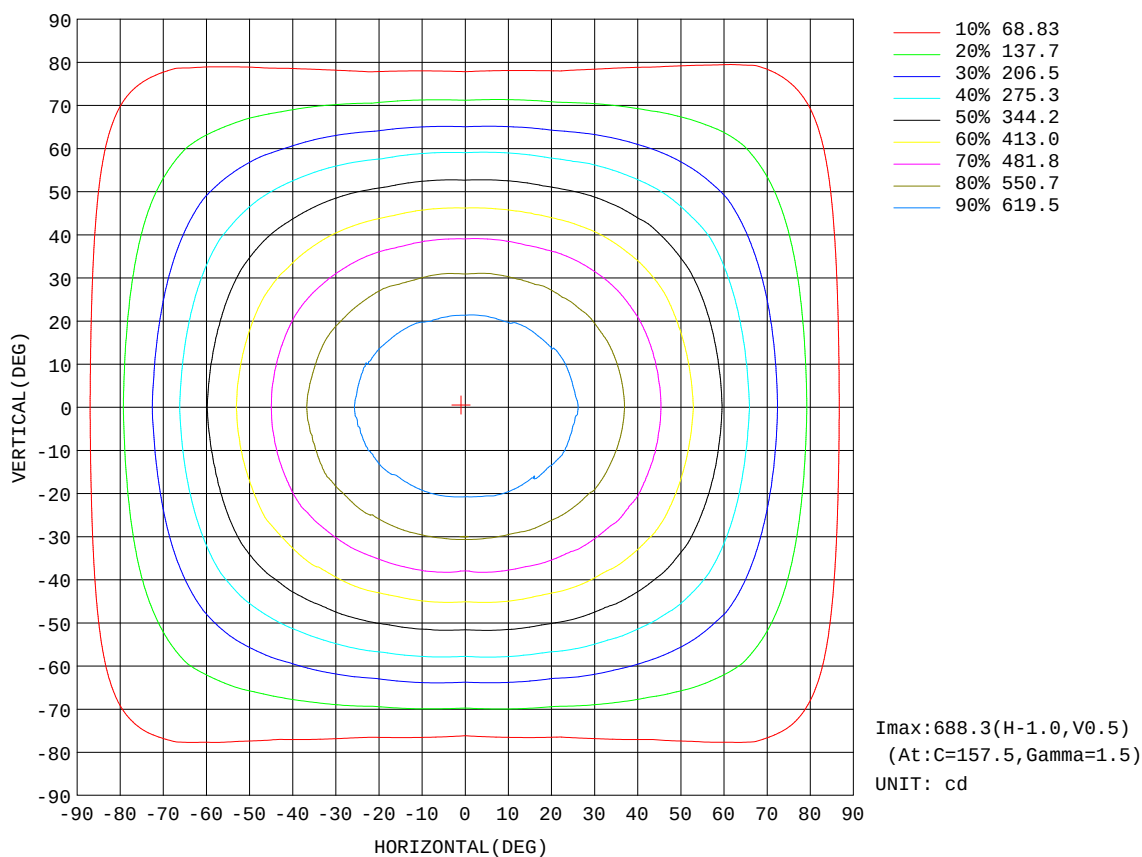
Checker: Near Gao

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ 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:0.2662A P:31.540W PF:0.9868 Freq:60.00Hz Lamp Flux:1972.3x1 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

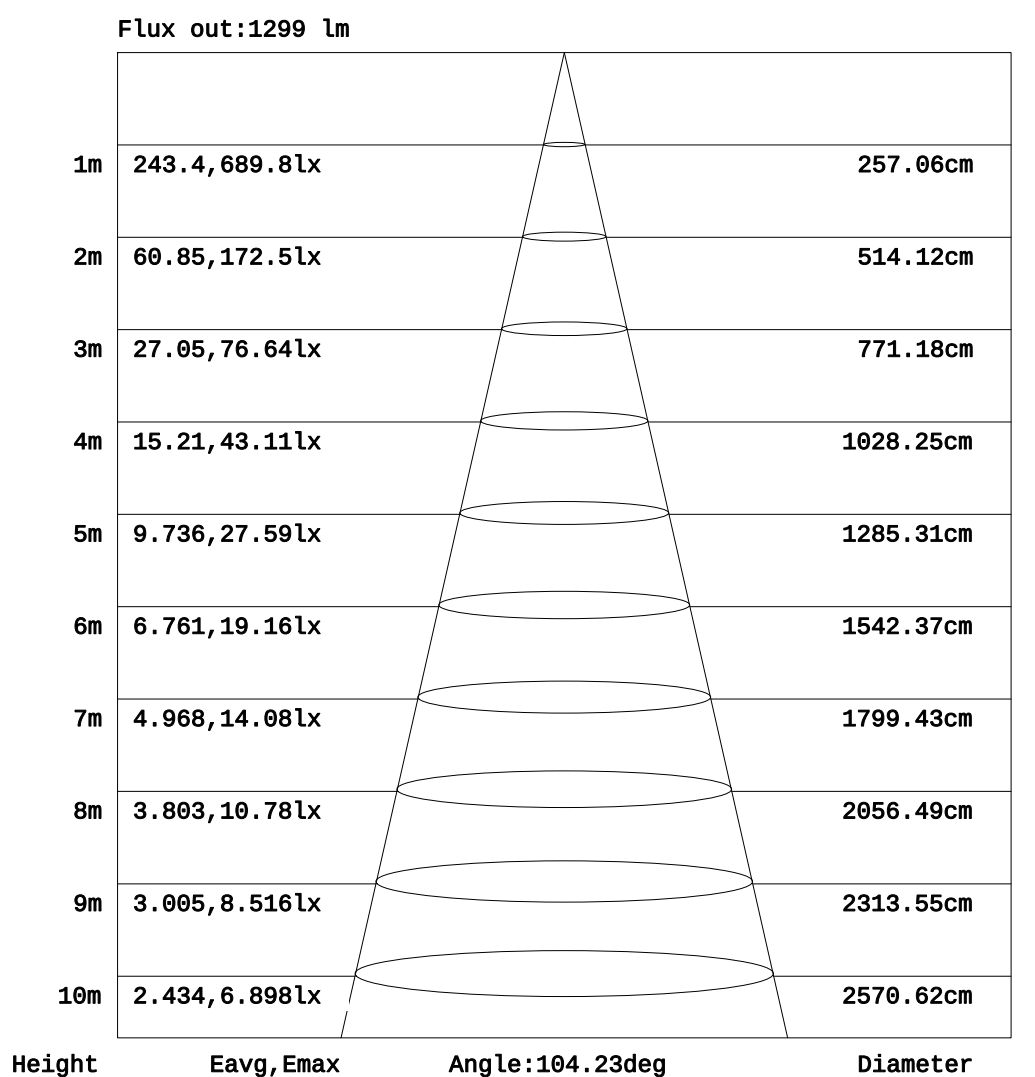
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.444
 Humidity: 60.5%
 Test Distance: 2.635m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

AAI Figure

Test:U:120.07V I:0.2662A P:31.540W PF:0.9868 Freq:60.00Hz Lamp Flux:1972.3x1 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

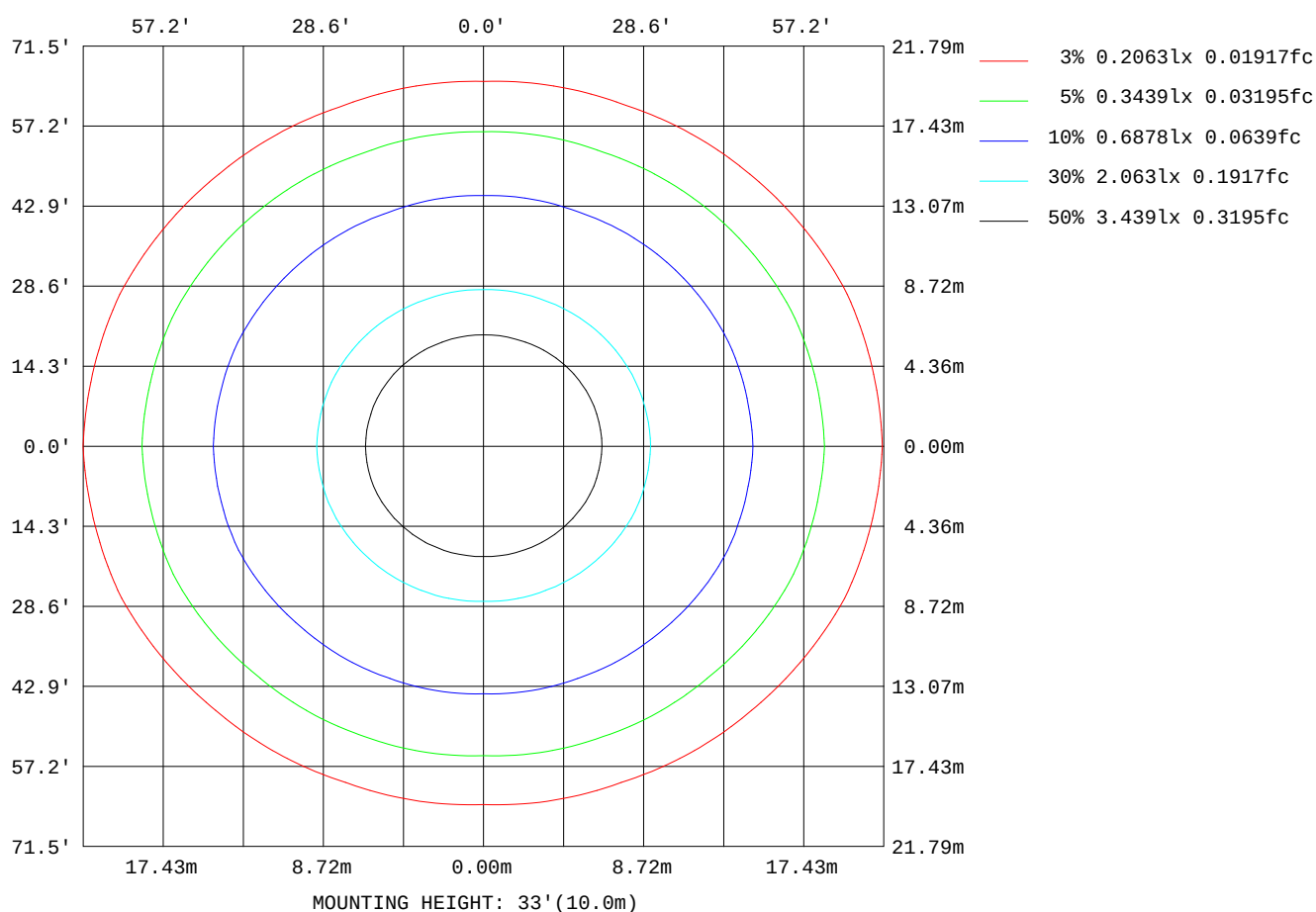
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.444
 Humidity: 60.5%
 Test Distance: 2.635m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOLUX DIAGRAM

Test:U:120.07V I:0.2662A P:31.540W PF:0.9868 Freq:60.00Hz Lamp Flux:1972.3x1 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:0.2662A P:31.540W PF:0.9868 Freq:60.00Hz Lamp Flux:1972.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	18143
L_0~180(75)av	18577
L_0~180(85)av	27021
L_90~270(65)av	12709
L_90~270(75)av	9249
L_90~270(85)av	3055
L_45(65)av	15124
L_45(75)av	13248
L_45(85)av	13391

Standard: GB/T 29293-2012

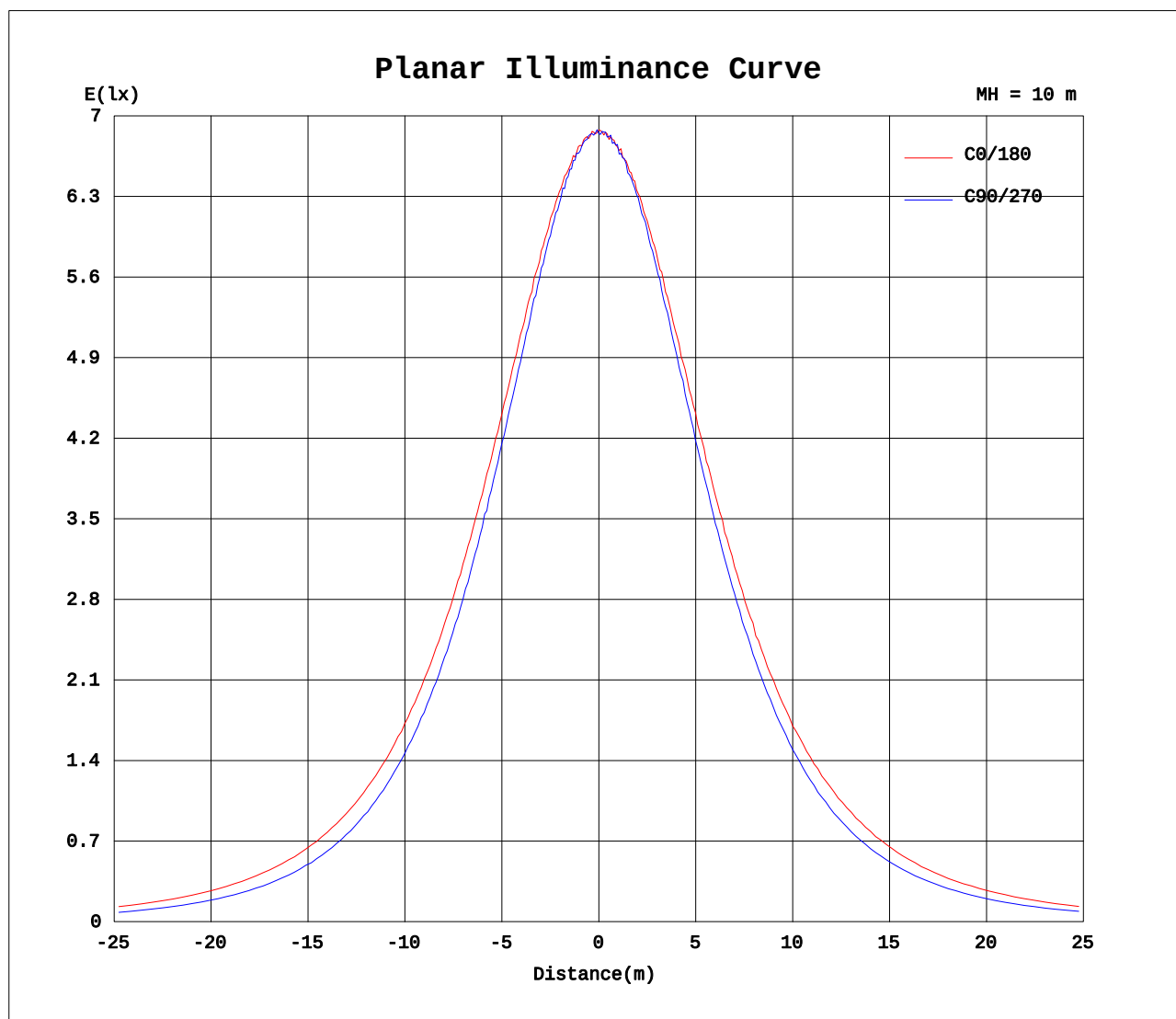
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2022-12-15

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

Planar Illuminance Curve



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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.07V I:0.2662A P:31.540W PF:0.9868 Freq:60.00Hz Lamp Flux:1972.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1
UNIT: cd

C(°) \ γ (°)	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	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686			
5	680	684	684	680	682	687	686	685	680	686	684	680	683	687	684	686			
10	676	676	671	671	668	673	674	673	673	674	673	669	672	673	676	673			
15	662	666	660	649	651	654	661	662	662	665	658	651	652	659	662	666			
20	646	643	634	627	623	629	633	642	644	642	633	627	629	630	640	644			
25	622	620	608	597	593	602	608	618	619	621	608	597	597	605	612	623			
30	597	590	573	560	550	558	572	585	595	589	575	560	560	565	579	592			
35	564	558	536	516	511	521	537	554	559	555	539	520	519	527	544	561			
40	528	519	493	473	463	474	492	515	524	517	497	475	473	482	502	519			
45	486	476	448	423	414	428	447	474	480	475	452	429	424	434	457	479			
50	441	427	396	373	360	373	397	425	442	428	402	378	373	384	406	430			
55	390	378	345	318	307	320	345	379	391	382	352	325	319	330	355	382			
60	340	324	288	263	250	263	288	326	341	327	296	270	265	275	300	328			
65	284	269	232	202	192	204	232	271	286	274	243	215	207	218	245	275			
70	232	211	175	147	135	147	176	214	232	218	184	158	151	161	187	218			
75	179	160	122	92.7	81.2	93.6	123	161	179	164	131	105	96.9	108	134	167			
80	130	112	75.3	46.8	35.0	46.9	75.5	112	131	116	84.3	56.4	48.7	58.7	86.0	118			
85	87.3	70.3	39.4	15.7	6.25	15.9	39.5	70.5	88.0	72.8	46.4	22.0	13.6	23.5	48.4	75.8			
90	33.2	25.6	9.55	1.22	0.10	1.36	9.67	25.3	34.8	28.5	15.4	3.62	0.09	3.92	16.6	29.6			
95	15.4	6.86	3.71	0.49	0.15	0.52	4.21	1.47	14.1	7.68	4.08	0.63	0.09	0.46	4.81	6.79			
100	11.9	3.87	1.96	0.59	0.19	0.58	2.30	0.41	11.3	4.32	2.02	0.58	0.11	0.41	2.19	4.27			
105	6.86	3.26	2.01	0.67	0.23	0.65	2.12	0.27	4.72	3.14	1.88	0.64	0.13	0.48	1.90	2.70			
110	7.11	3.60	2.08	0.74	0.26	0.73	2.06	0.30	6.13	3.29	1.92	0.69	0.17	0.55	1.87	2.51			
115	6.53	3.80	2.15	0.81	0.31	0.81	2.08	0.35	6.68	3.56	2.01	0.77	0.22	0.63	1.90	2.35			
120	5.79	3.79	2.23	0.89	0.37	0.90	2.13	0.40	5.76	3.41	2.07	0.85	0.31	0.72	1.93	2.01			
125	5.04	3.73	2.19	0.97	0.43	0.97	2.11	0.46	4.94	3.30	2.10	0.96	0.41	0.81	1.95	1.60			
130	4.43	3.62	2.10	1.02	0.51	1.04	2.02	0.53	4.42	3.34	2.06	1.06	0.53	0.92	1.89	1.13			
135	3.81	1.29	1.95	1.01	0.58	1.06	1.87	0.55	3.86	1.51	2.00	1.15	0.65	1.01	1.85	0.60			
140	0.56	2.84	1.42	1.00	0.63	1.05	1.72	0.87	0.63	2.98	1.38	1.14	0.70	1.02	1.71	2.56			
145	2.67	2.46	0.67	1.00	0.70	1.05	1.59	2.37	2.90	2.54	0.92	1.13	0.74	1.02	1.60	2.35			
150	2.22	2.06	1.53	0.62	0.72	1.00	1.01	2.10	2.43	2.23	1.62	0.71	0.70	0.98	0.66	2.04			
155	1.86	1.77	1.40	0.95	0.72	0.90	0.80	1.72	2.04	1.80	1.45	1.03	0.78	0.72	1.14	1.74			
160	1.53	1.45	1.18	0.91	0.78	0.70	1.33	1.49	1.58	1.32	1.36	0.95	0.69	0.81	1.15	1.44			
165	1.23	0.82	1.08	0.68	0.87	0.88	0.73	1.40	1.32	0.71	1.28	0.81	0.76	0.81	0.63	1.16			
170	0.72	0.76	0.96	0.77	0.93	0.87	0.81	0.73	0.66	0.70	0.84	0.64	0.78	0.80	0.86	0.66			
175	1.02	0.91	0.86	0.85	0.91	0.90	0.99	1.00	0.89	0.91	0.81	0.74	0.86	0.84	0.88	0.92			
180	0.89	0.92	0.93	0.93	0.90	0.89	0.90	0.88	0.89	0.92	0.93	0.93	0.90	0.88	0.90	0.88			

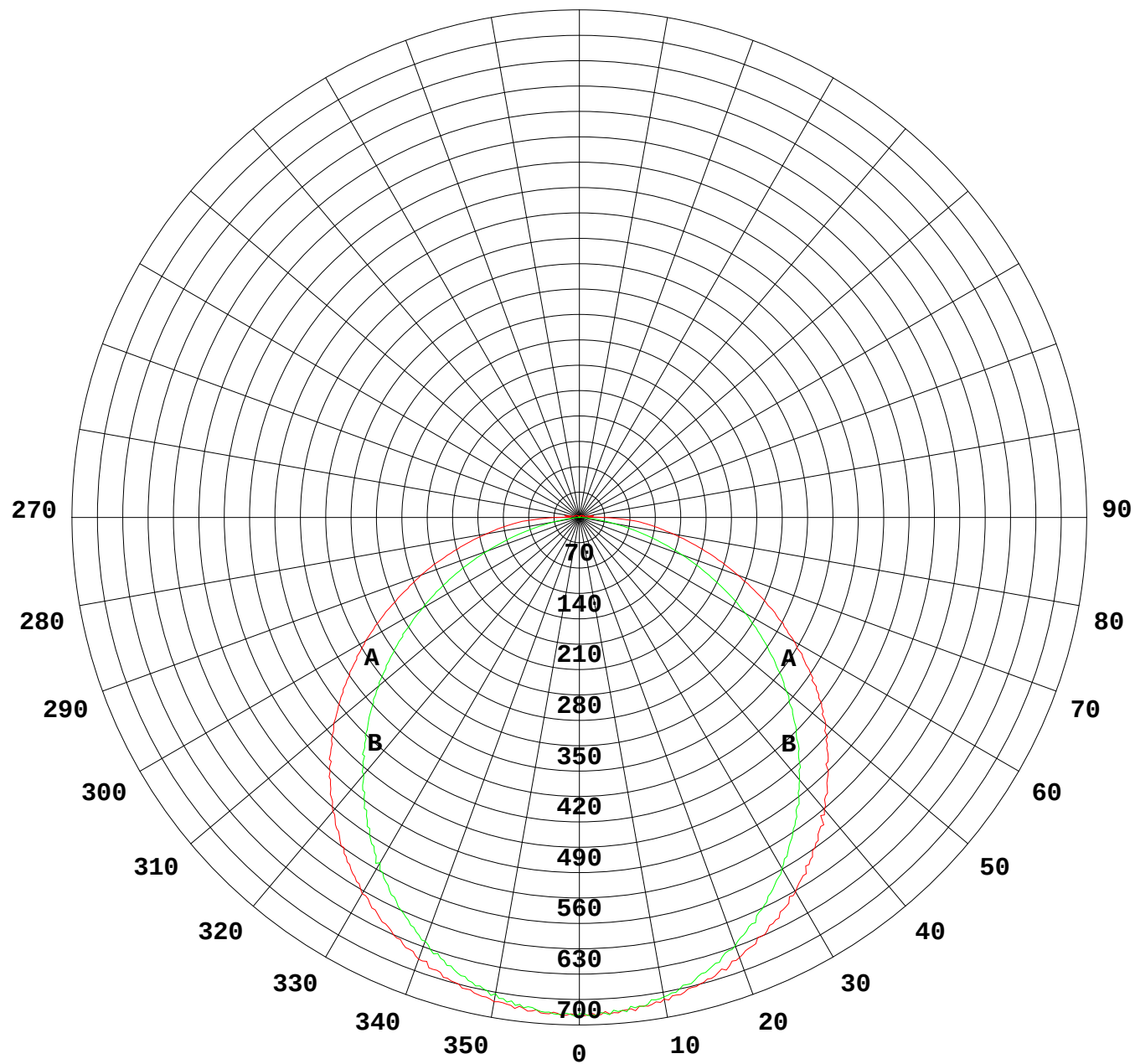
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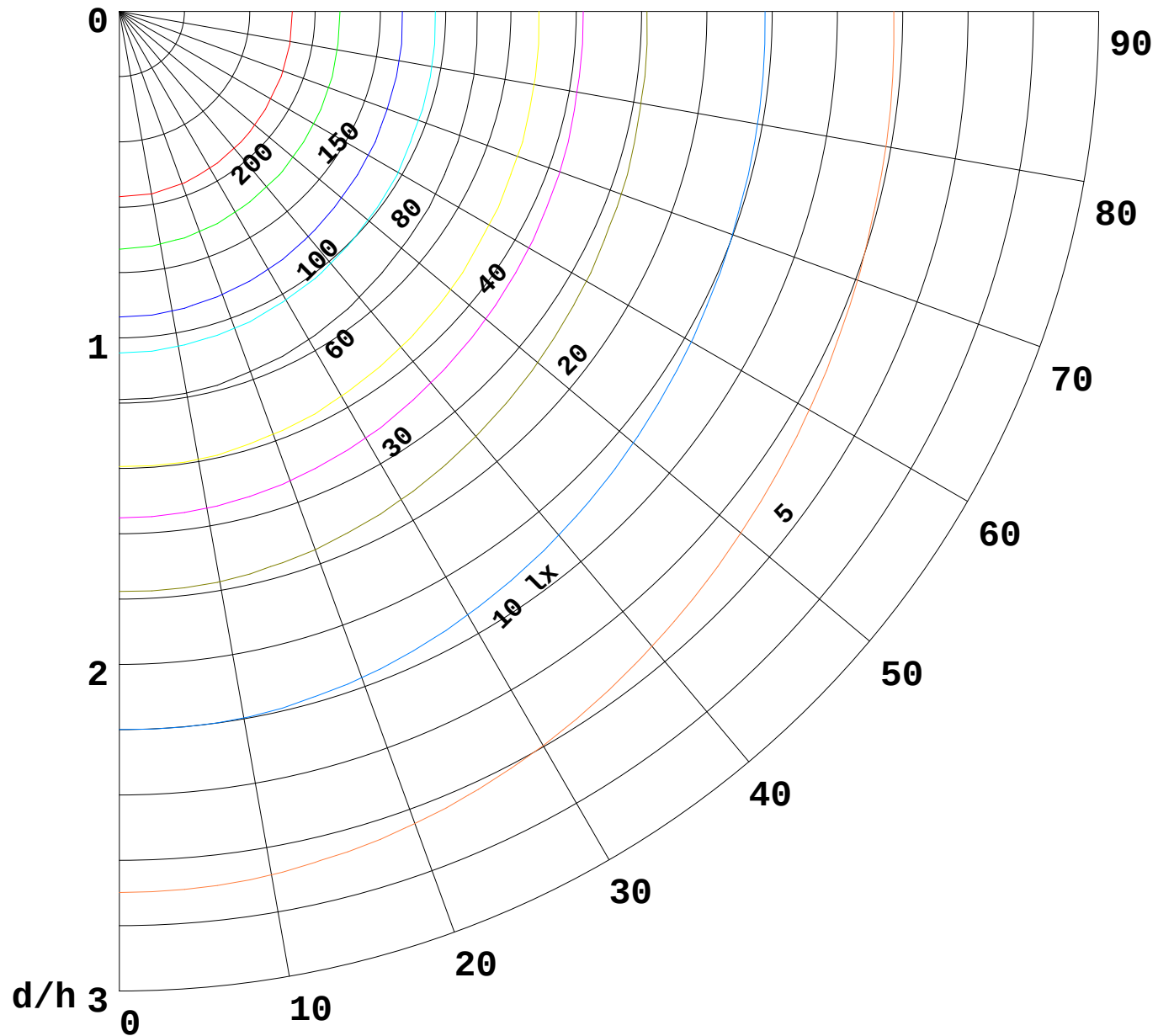
Assessor: Akin Xu

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

