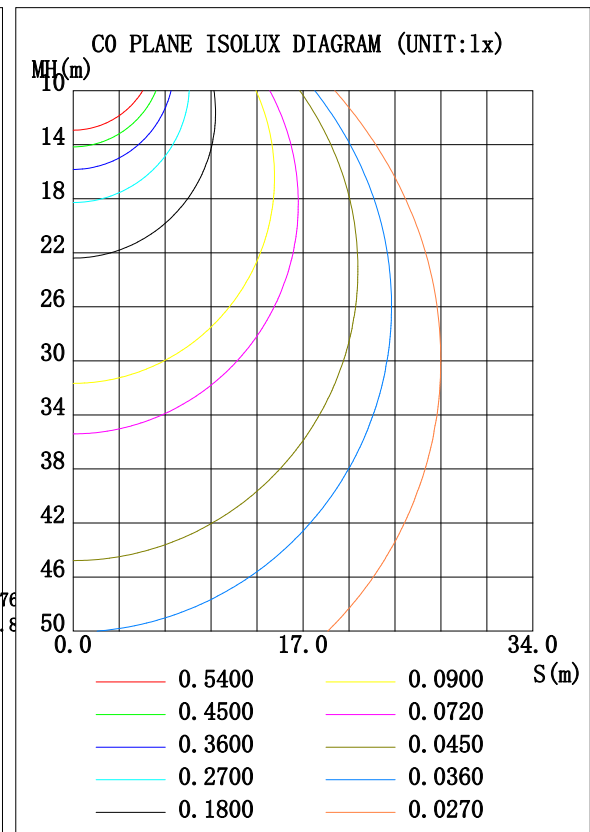
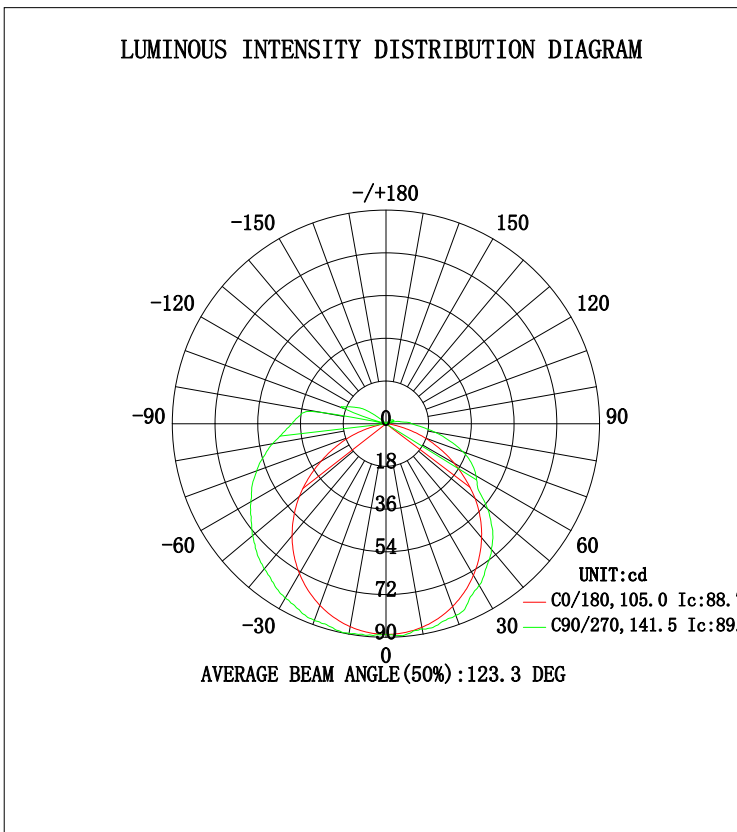


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:6.900V I:0.7705A P:5.316W PF:1.000 Freq:0Hz Lamp Flux:317.766x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 59.78 lm/W
MODEL	CTWWB210-E	I _{max} (cd)	89.88	S/MH(C0/180)	1.24	
NOMINAL POWER(W)	5.3	LOR (%)	100.0	S/MH(C90/270)	1.31	
RATED VOLTAGE(V)	6.9	TOTAL FLUX(1m)	317.77	η UP, DN(C0-180)	5.7, 52.2	
NOMINAL FLUX(1m)	317.766	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.5, 40.6	
LAMPS INSIDE	1	η up (%)	7.2	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	6.9	η down (%)	92.8	CIBSE SHR MAX	1.50	



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Near
 Test Date:2018-08-02

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:2.718m [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	86.81	88.30	89.72	88.59	87.11	87.55	87.83	87.30	0- 10	8.457	8.457	2.66, 2.66
20	81.45	85.36	88.24	85.79	82.00	83.97	85.89	83.68	10- 20	24.46	32.92	10.4, 10.4
30	72.91	79.90	84.85	80.63	73.69	78.12	78.57	77.53	20- 30	37.65	70.57	22.2, 22.2
40	61.58	71.63	79.82	72.39	62.68	65.84	69.09	65.23	30- 40	46.05	116.6	36.7, 36.7
50	47.64	61.92	73.40	62.79	49.02	51.75	55.89	51.17	40- 50	48.68	165.3	52, 52
60	31.61	52.25	65.76	53.26	33.09	33.37	43.79	32.75	50- 60	44.63	209.9	66.1, 66.1
70	16.26	42.86	57.91	44.01	17.63	24.89	34.46	25.06	60- 70	37.25	247.2	77.8, 77.8
80	3.080	33.70	48.53	34.72	3.886	13.95	21.17	13.61	70- 80	28.49	275.7	86.8, 86.8
90	0.9520	25.30	39.68	26.16	0.7525	5.643	10.86	5.805	80- 90	19.15	294.8	92.8, 92.8
100	0.0489	0.0642	27.71	2.328	0.0700	1.512	5.670	0.9644	90-100	12.43	307.3	96.7, 96.7
110	0.3928	7.056	18.32	8.002	0.3687	1.833	1.680	2.140	100-110	3.375	310.6	97.8, 97.8
120	0.1475	3.353	13.60	3.868	0.1432	1.461	3.275	1.528	110-120	4.423	315.0	99.1, 99.1
130	0.1100	0.7722	3.768	1.008	0.1024	0.5220	1.958	0.5467	120-130	1.999	317.0	99.8, 99.8
140	0.1087	0.2062	0.6540	0.1818	0.1048	0.1429	0.6691	0.1420	130-140	0.4495	317.5	99.9, 99.9
150	0.1213	0.1786	0.2075	0.1566	0.1427	0.1755	0.1897	0.1715	140-150	0.1238	317.6	100, 100
160	0.1367	0.1284	0.1852	0.1183	0.1950	0.1932	0.2152	0.1905	150-160	0.0788	317.7	100, 100
170	0.1550	0.1536	0.1471	0.1412	0.2054	0.2083	0.1894	0.1947	160-170	0.0492	317.7	100, 100
180	0.1805	0.1645	0.1533	0.1707	0.1826	0.1658	0.1551	0.1723	170-180	0.0161	317.8	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 141.05 lm

%lum = 44.4%
%lamp = 44.4%

Conical surface Flux(120deg): 209.93 lm

%lum = 66.1%
%lamp = 66.1%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Near
Test Date:2018-08-02

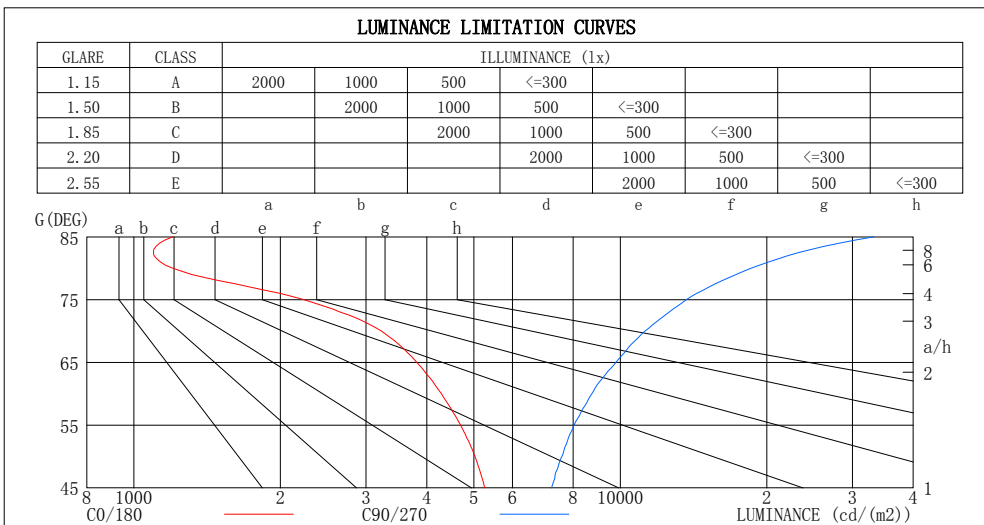
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:2.718m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LUMINANCE LIMITATION CURVES

Test:U:6.900V I:0.7705A P:5.316W PF:1.000 Freq:0Hz Lamp Flux:317.766x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1202	33186
80	1203	18566
75	2233	13678
70	3224	11248
65	3816	9797
60	4286	8736
55	4694	8032
50	5025	7585
45	5262	7221

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Near
 Test Date: 2018-08-02

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity: 65.0%
 Test Distance: 2.718m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

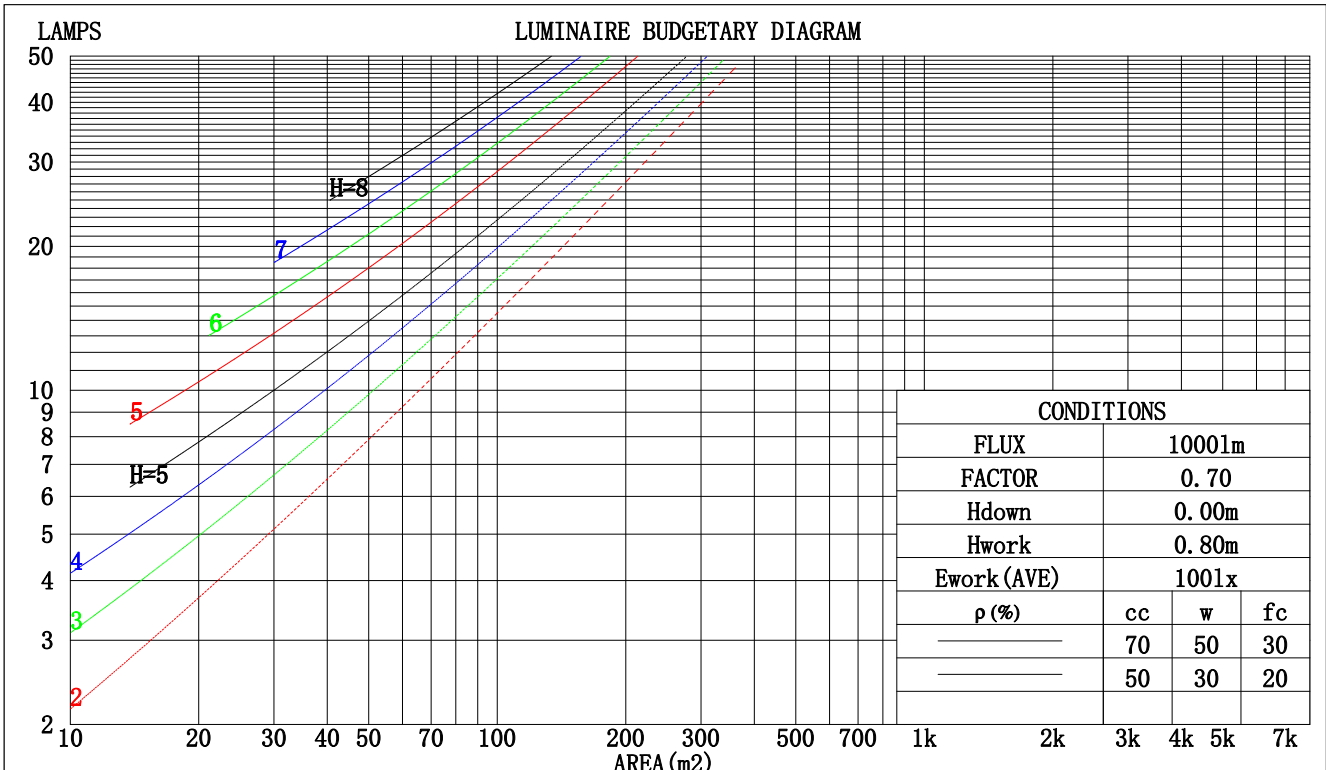
Checker: Near Gao

Assessor: Akin Xu

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:6.900V I:0.7705A P:5.316W PF:1.000 Freq:0Hz Lamp Flux:317.766x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	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	1.17	1.17	1.17	1.14	1.14	1.14	1.07	1.07	1.07	1.01	1.01	1.01	.95	.95	.95	.93
1.0	.99	.94	.90	.96	.92	.88	.91	.87	.83	.85	.82	.80	.81	.78	.76	.73
2.0	.86	.78	.72	.83	.76	.70	.78	.72	.67	.74	.69	.65	.70	.66	.62	.60
3.0	.75	.66	.59	.72	.64	.58	.68	.61	.56	.65	.59	.54	.61	.56	.52	.49
4.0	.66	.56	.49	.64	.55	.49	.60	.53	.47	.57	.51	.46	.54	.49	.44	.42
5.0	.59	.49	.42	.57	.48	.42	.54	.46	.41	.51	.45	.39	.49	.43	.38	.36
6.0	.53	.43	.37	.51	.43	.36	.49	.41	.35	.46	.40	.34	.44	.38	.34	.31
7.0	.48	.39	.32	.46	.38	.32	.44	.37	.31	.42	.35	.30	.40	.34	.30	.28
8.0	.43	.35	.29	.42	.34	.28	.40	.33	.28	.39	.32	.27	.37	.31	.27	.24
9.0	.40	.31	.26	.39	.31	.25	.37	.30	.25	.36	.29	.24	.34	.28	.24	.22
10.0	.37	.29	.23	.36	.28	.23	.34	.27	.23	.33	.27	.22	.32	.26	.22	.20



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Near
 Test Date: 2018-08-02

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity: 65.0%
 Test Distance: 2.718m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

WEC AND CCEC

Test:U:6.900V I:0.7705A P:5.316W PF:1.000 Freq:0Hz Lamp Flux:317.766x1 lm									
NAME: 1					TYPE:			WEIGHT:	
SPEC. :					DIM. :			SERIAL No. :	
MFR. :					SUR. :			Shielding Angle:	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.364	.207	.066	.355	.202	.064	.337	.193	.062	.321	.185	.059	.306	.177	.057	
2.0	.322	.176	.054	.313	.173	.053	.298	.166	.051	.283	.159	.050	.270	.153	.048	
3.0	.289	.154	.046	.282	.151	.045	.268	.145	.044	.254	.139	.043	.242	.134	.042	
4.0	.262	.136	.040	.255	.134	.040	.243	.129	.038	.231	.124	.037	.220	.120	.036	
5.0	.240	.122	.035	.234	.120	.035	.222	.116	.034	.212	.112	.033	.202	.108	.032	
6.0	.220	.110	.032	.215	.109	.031	.205	.105	.031	.195	.101	.030	.186	.098	.029	
7.0	.204	.101	.029	.199	.099	.028	.190	.096	.028	.181	.093	.027	.173	.090	.026	
8.0	.189	.093	.026	.185	.091	.026	.177	.088	.025	.169	.085	.025	.161	.083	.024	
9.0	.177	.086	.024	.173	.084	.024	.165	.082	.023	.158	.079	.023	.151	.077	.022	
10.0	.166	.080	.022	.162	.078	.022	.155	.076	.021	.149	.074	.021	.142	.072	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.245	.245	.245	.210	.210	.210	.143	.143	.143	.082	.082	.082	.026	.026	.026	
1.0	.240	.211	.186	.205	.181	.160	.140	.125	.110	.081	.072	.064	.026	.023	.021	
2.0	.232	.188	.150	.199	.161	.130	.136	.112	.091	.079	.065	.053	.025	.021	.017	
3.0	.224	.171	.128	.192	.147	.111	.132	.102	.078	.076	.060	.046	.025	.019	.015	
4.0	.216	.158	.113	.186	.136	.098	.128	.095	.069	.074	.056	.041	.024	.018	.013	
5.0	.209	.148	.102	.179	.128	.089	.123	.089	.063	.072	.052	.037	.023	.017	.012	
6.0	.201	.139	.095	.173	.121	.083	.119	.084	.058	.069	.050	.035	.022	.016	.011	
7.0	.194	.133	.089	.167	.115	.078	.115	.081	.055	.067	.047	.033	.022	.016	.011	
8.0	.188	.127	.085	.161	.110	.074	.112	.077	.053	.065	.046	.031	.021	.015	.010	
9.0	.181	.122	.082	.156	.106	.071	.108	.074	.051	.063	.044	.030	.020	.014	.010	
10.0	.175	.118	.079	.151	.102	.069	.105	.072	.049	.061	.043	.029	.020	.014	.010	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Near
 Test Date:2018-08-02

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:2.718m [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:6.900V I:0.7705A P:5.316W PF:1.000 Freq:0Hz Lamp Flux:317.766x1 lm										
NAME: 1					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	21.7	23.2	22.1	23.5	23.9	24.5	26.0	24.9	26.4	26.7
3H	22.9	24.3	23.3	24.6	25.0	27.3	28.7	27.7	29.0	29.4
4H	23.3	24.6	23.7	25.0	25.4	28.8	30.1	29.2	30.5	30.9
6H	23.4	24.7	23.9	25.1	25.5	30.4	31.6	30.8	32.0	32.5
8H	23.5	24.7	23.9	25.1	25.5	31.3	32.5	31.7	32.9	33.3
12H	23.5	24.6	23.9	25.0	25.5	32.3	33.4	32.7	33.8	34.3
4H 2H	23.1	24.4	23.5	24.8	25.2	25.1	26.4	25.5	26.8	27.2
3H	24.6	25.7	25.0	26.1	26.6	28.1	29.3	28.6	29.7	30.1
4H	25.2	26.2	25.7	26.7	27.2	29.8	30.9	30.3	31.3	31.8
6H	25.6	26.5	26.1	27.0	27.5	31.7	32.6	32.2	33.1	33.6
8H	25.7	26.6	26.2	27.1	27.6	32.7	33.6	33.2	34.0	34.6
12H	25.8	26.6	26.3	27.1	27.7	33.8	34.6	34.3	35.1	35.7
8H 4H	26.6	27.5	27.1	27.9	28.5	30.1	31.0	30.7	31.5	32.1
6H	27.4	28.2	28.0	28.7	29.3	32.3	33.1	32.9	33.6	34.2
8H	27.7	28.4	28.3	29.0	29.6	33.5	34.2	34.1	34.8	35.4
12H	28.0	28.6	28.6	29.2	29.8	35.0	35.5	35.5	36.1	36.7
12H 4H	27.0	27.8	27.5	28.3	28.9	30.2	31.0	30.7	31.5	32.1
6H	28.2	28.8	28.7	29.4	30.0	32.4	33.1	33.0	33.6	34.3
8H	28.7	29.3	29.3	29.9	30.5	33.8	34.3	34.3	34.9	35.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117, 317.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.0)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Near
 Test Date:2018-08-02

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:2.718m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

UTILIZATION FACTORS TABLE

Test:U:6.900V I:0.7705A P:5.316W PF:1.000 Freq:0Hz Lamp Flux:317.766x1 lm		
NAME: 1	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	53	41	33	52	40	33	50	40	33	27
0.80	62	50	42	61	49	42	59	48	41	34
1.00	70	58	50	69	57	50	66	59	49	41
1.25	77	65	57	75	64	57	72	63	56	48
1.50	82	71	63	80	70	62	76	68	61	52
2.00	89	79	72	87	78	71	83	75	69	59
2.50	93	84	77	91	82	76	86	79	73	63
3.00	97	89	82	94	87	80	89	83	78	67
4.00	101	94	88	98	92	87	93	88	83	72
5.00	104	98	93	101	95	91	95	91	87	75
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Near
 Test Date: 2018-08-02

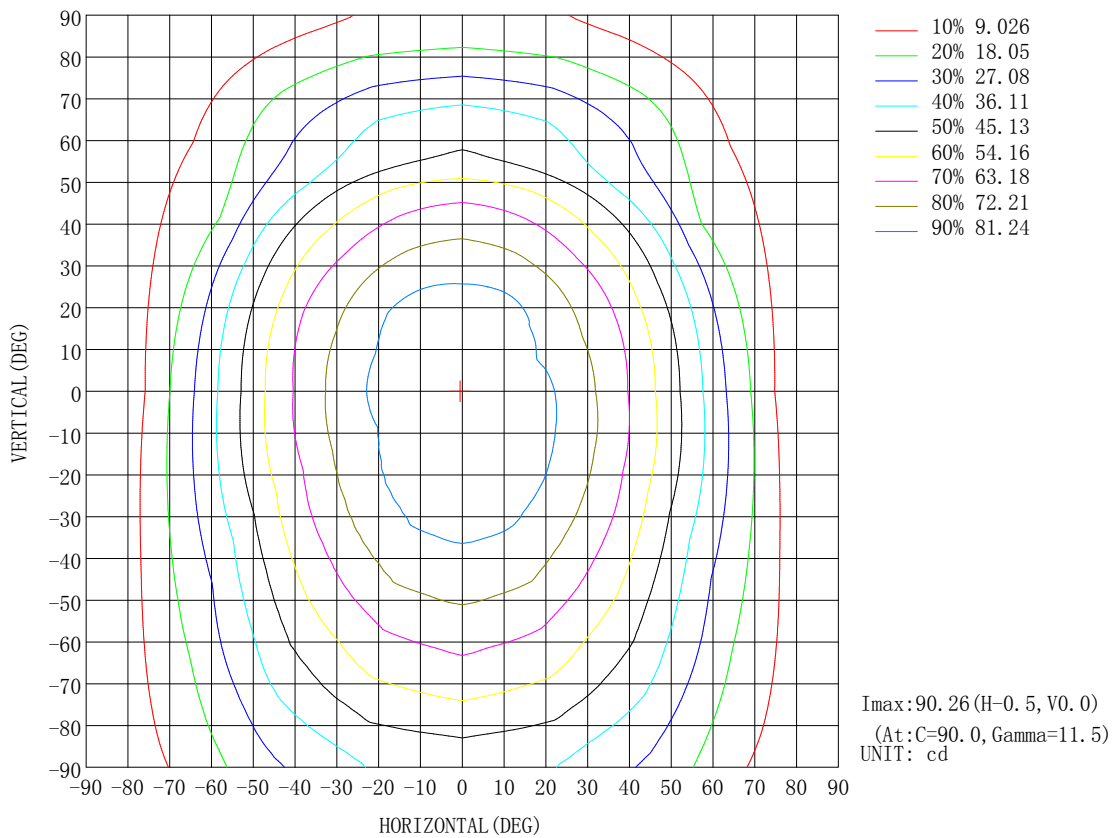
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity: 65.0%
 Test Distance: 2.718m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOCANDELA DIAGRAM

Test:U:6.900V I:0.7705A P:5.316W PF:1.000 Freq:0Hz Lamp Flux:317.766x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Near
 Test Date:2018-08-02

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:2.718m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

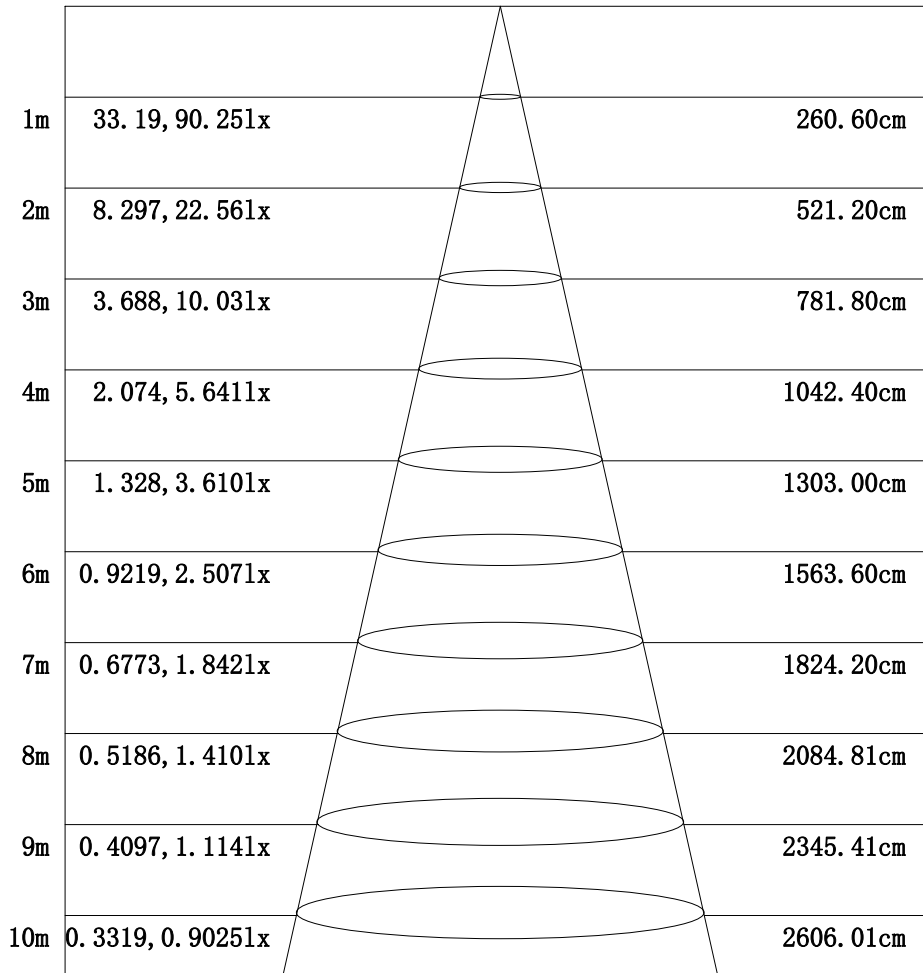
Checker: Near Gao

Assessor: Akin Xu

AAI Figure

Test:U:6.900V I:0.7705A P:5.316W PF:1.000 Freq:0Hz Lamp Flux:317.766x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:

Flux out:177.1 lm



Height Eavg, Emax Angle:104.99deg Diameter

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:25.3DEG
 Operators:Near
 Test Date:2018-08-02

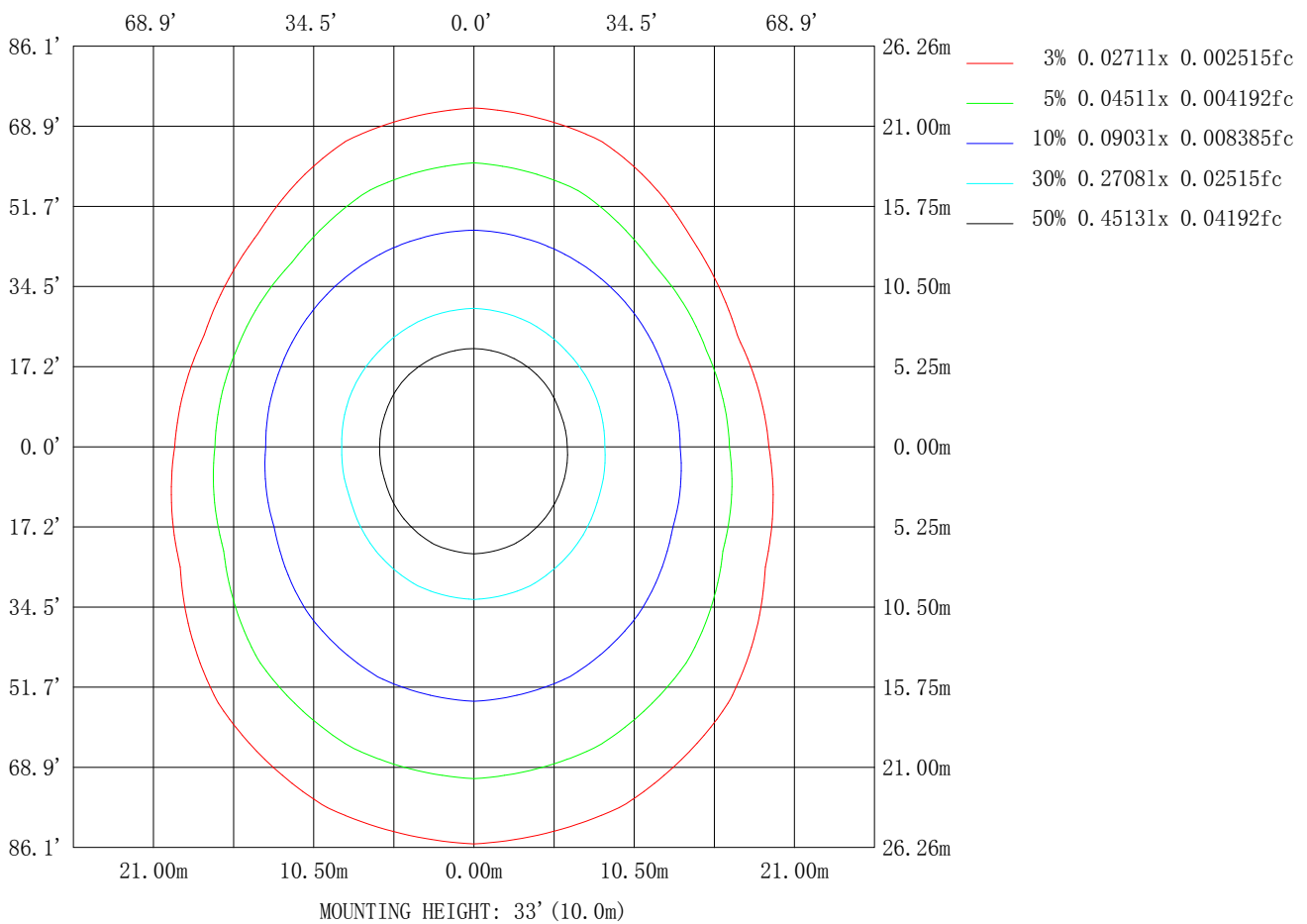
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:2.718m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOLUX DIAGRAM

Test:U:6.900V I:0.7705A P:5.316W PF:1.000 Freq:0Hz Lamp Flux:317.766x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Near
 Test Date:2018-08-02

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:2.718m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LED Avg. L Report

Test:U:6.900V I:0.7705A P:5.316W PF:1.000 Freq:0Hz Lamp Flux:317.766x1 lm		
NAME: 1	TYPE:	WEIGHT:
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. :	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	3859
L_0~180 (75) av	2398
L_0~180 (85) av	1225
L_90~270 (65) av	8062
L_90~270 (75) av	10429
L_90~270 (85) av	22391
L_45 (65) av	6054
L_45 (75) av	7584
L_45 (85) av	14628

Standard: GB/T 29293-2012

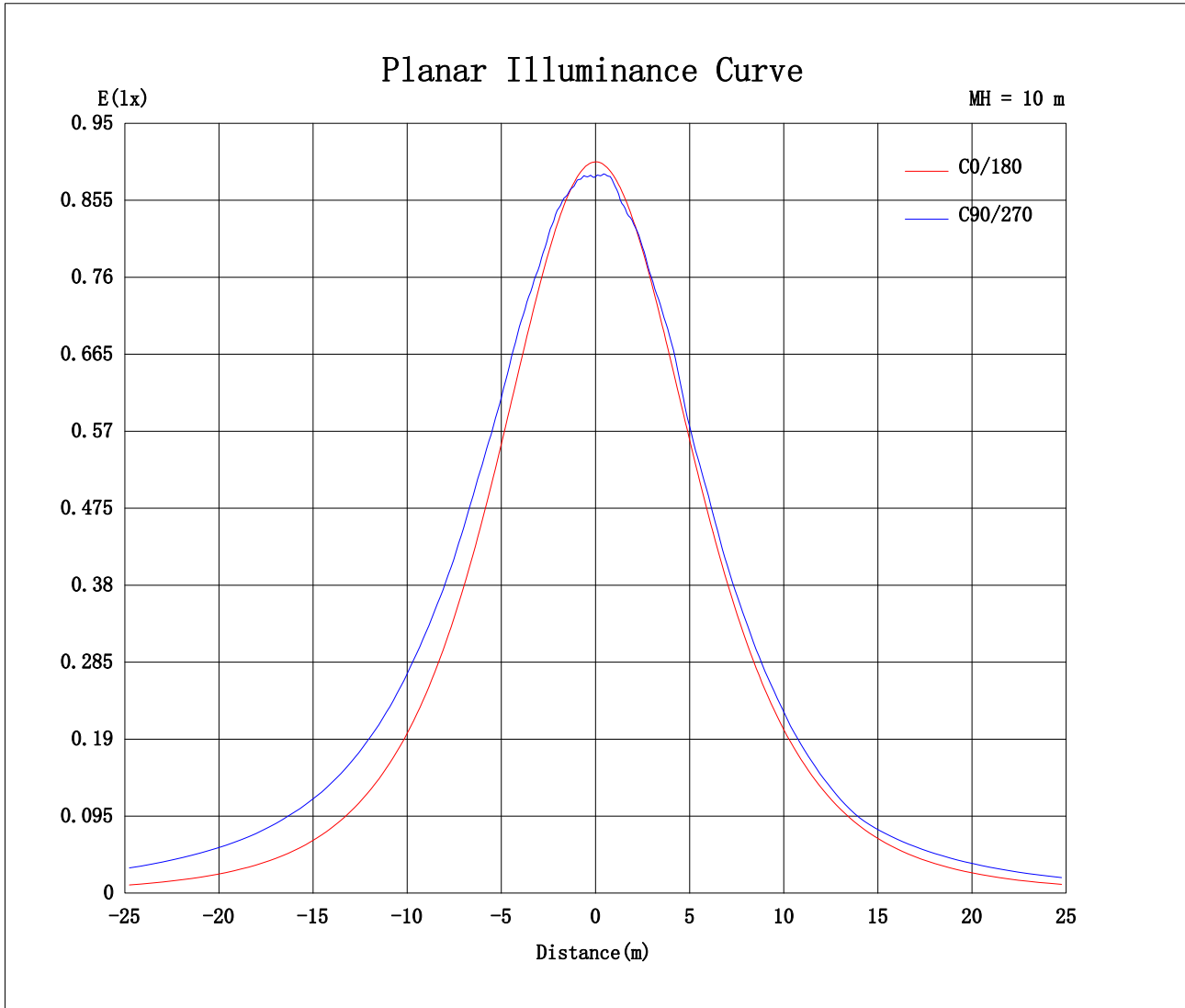
C Range: 0 - 360DEG
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Planar Illuminance Curve



C Range: 0 - 360DEG
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 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Near
 Test Date: 2018-08-02

γ Range: 0 - 180DEG
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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:6.900V I:0.7705A P:5.316W PF:1.000 Freq:0Hz Lamp Flux:317.766x1 lm		
NAME: 1	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	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7			
5	88.2	88.6	89.0	89.2	89.4	89.4	89.0	88.5	88.3	88.7	89.3	89.2	89.4	89.5	89.2	88.7			
10	86.8	87.6	88.3	89.2	89.7	89.4	88.6	87.9	87.1	88.0	87.6	87.6	87.8	87.5	87.3	87.7			
15	84.5	85.7	87.6	88.5	88.7	88.8	87.7	85.9	84.9	85.6	86.1	86.9	87.2	87.2	86.0	85.2			
20	81.4	83.1	85.4	87.0	88.2	87.4	85.8	83.3	82.0	82.1	84.0	85.3	85.9	85.4	83.7	81.7			
25	77.5	79.9	82.7	85.8	86.5	86.2	82.9	80.2	78.2	78.9	81.1	82.8	82.4	82.7	81.0	78.6			
30	72.9	75.9	79.9	83.1	84.8	83.5	80.6	76.7	73.7	74.9	78.1	77.6	78.6	77.4	77.5	74.3			
35	67.6	70.9	75.8	80.9	82.3	81.2	76.5	71.7	68.5	69.5	71.4	73.0	73.9	73.0	71.0	69.2			
40	61.6	65.3	71.6	77.1	79.8	77.8	72.4	66.1	62.7	64.5	65.8	67.9	69.1	67.9	65.2	64.2			
45	54.9	59.3	67.0	74.2	76.9	74.7	68.0	60.2	56.2	58.1	59.2	62.1	63.6	62.0	58.7	57.0			
50	47.6	52.6	61.9	70.3	73.4	71.0	62.8	54.0	49.0	49.9	51.7	54.6	55.9	54.4	51.2	49.0			
55	39.7	45.4	57.3	66.2	69.4	66.8	58.3	46.9	41.0	41.3	43.5	45.5	47.2	45.1	42.7	40.0			
60	31.6	38.1	52.2	62.2	65.8	62.8	53.3	39.4	33.1	31.8	33.4	40.8	43.8	41.0	32.8	30.2			
65	23.8	31.3	47.5	58.1	62.3	58.8	48.7	32.9	25.1	21.3	28.6	37.3	39.9	37.5	28.8	19.4			
70	16.3	25.7	42.9	54.1	57.9	54.8	44.0	26.8	17.6	13.7	24.9	32.3	34.5	32.2	25.1	13.5			
75	8.52	20.8	38.4	49.6	53.3	50.3	39.6	22.2	10.1	10.6	19.9	25.8	27.7	25.6	19.9	10.6			
80	3.08	16.3	33.7	44.7	48.5	45.5	34.7	17.6	3.89	6.96	13.9	19.2	21.2	19.1	13.6	6.78			
85	1.55	12.3	29.1	39.7	43.5	40.3	30.3	13.6	1.66	3.76	8.66	13.2	15.0	13.1	8.46	3.59			
90	0.95	9.15	25.3	36.1	39.7	36.7	26.2	10.3	0.75	1.93	5.64	9.64	10.9	9.60	5.80	1.96			
95	1.16	1.33	21.7	33.4	36.9	33.7	23.1	4.23	0.91	0.92	4.94	7.80	8.15	7.51	5.12	1.19			
100	0.05	2.93	0.06	11.6	27.7	16.6	2.33	3.31	0.07	0.66	1.51	4.72	5.67	4.62	0.96	0.62			
105	0.60	1.56	9.96	2.89	0.09	0.53	10.8	1.98	0.58	0.93	1.16	0.09	0.34	0.09	2.05	0.89			
110	0.39	0.92	7.06	18.4	18.3	19.4	8.00	1.20	0.37	0.54	1.83	3.02	1.68	3.36	2.14	0.51			
115	0.23	0.41	4.99	13.5	17.0	14.4	5.59	0.64	0.22	0.31	1.82	2.98	3.54	3.15	2.00	0.32			
120	0.15	0.21	3.35	9.35	13.6	10.1	3.87	0.24	0.14	0.18	1.46	2.72	3.27	2.80	1.53	0.19			
125	0.13	0.16	1.85	5.88	9.36	6.41	2.28	0.17	0.12	0.13	0.92	2.20	2.78	2.19	0.92	0.12			
130	0.11	0.15	0.77	2.46	3.77	2.81	1.01	0.14	0.10	0.11	0.52	1.44	1.96	1.44	0.55	0.11			
135	0.10	0.14	0.30	0.96	1.40	1.04	0.34	0.12	0.09	0.10	0.28	0.88	1.18	0.89	0.29	0.12			
140	0.11	0.14	0.21	0.46	0.65	0.47	0.18	0.12	0.10	0.11	0.14	0.48	0.67	0.47	0.14	0.11			
145	0.12	0.10	0.19	0.24	0.31	0.23	0.16	0.09	0.12	0.12	0.15	0.23	0.32	0.22	0.15	0.13			
150	0.12	0.13	0.18	0.20	0.21	0.18	0.16	0.12	0.14	0.14	0.18	0.17	0.19	0.18	0.17	0.16			
155	0.12	0.13	0.18	0.19	0.19	0.17	0.16	0.12	0.17	0.17	0.19	0.20	0.20	0.21	0.19	0.18			
160	0.14	0.14	0.13	0.18	0.19	0.17	0.12	0.13	0.19	0.19	0.19	0.21	0.22	0.22	0.19	0.20			
165	0.14	0.15	0.15	0.13	0.13	0.13	0.15	0.13	0.21	0.21	0.20	0.20	0.20	0.20	0.20	0.21			
170	0.15	0.16	0.15	0.15	0.15	0.14	0.14	0.14	0.21	0.21	0.21	0.20	0.19	0.19	0.19	0.20			
175	0.15	0.15	0.16	0.15	0.14	0.15	0.14	0.15	0.20	0.20	0.19	0.18	0.17	0.17	0.18	0.18			
180	0.18	0.17	0.16	0.16	0.15	0.17	0.17	0.18	0.18	0.17	0.17	0.16	0.16	0.16	0.17	0.18			

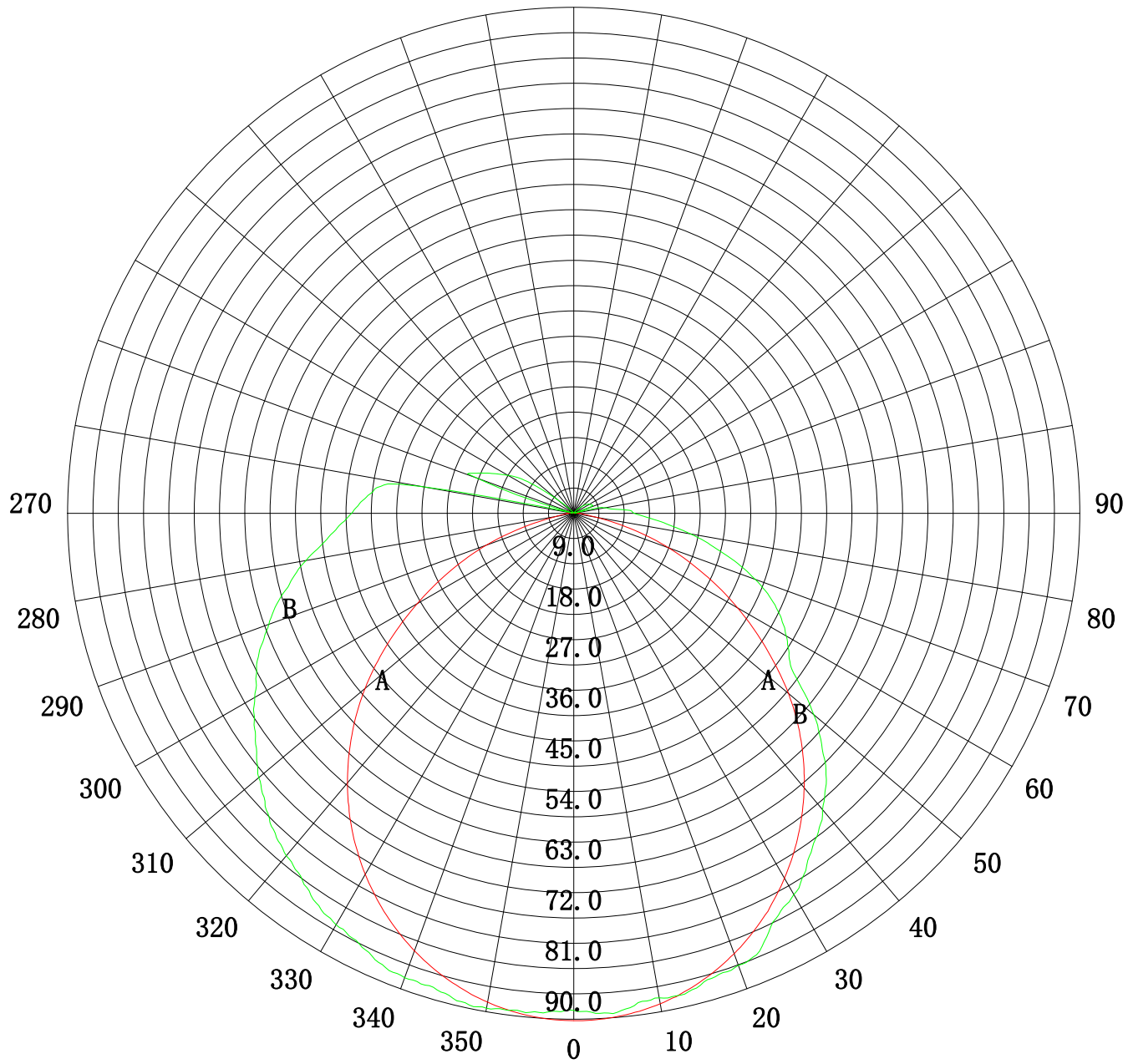
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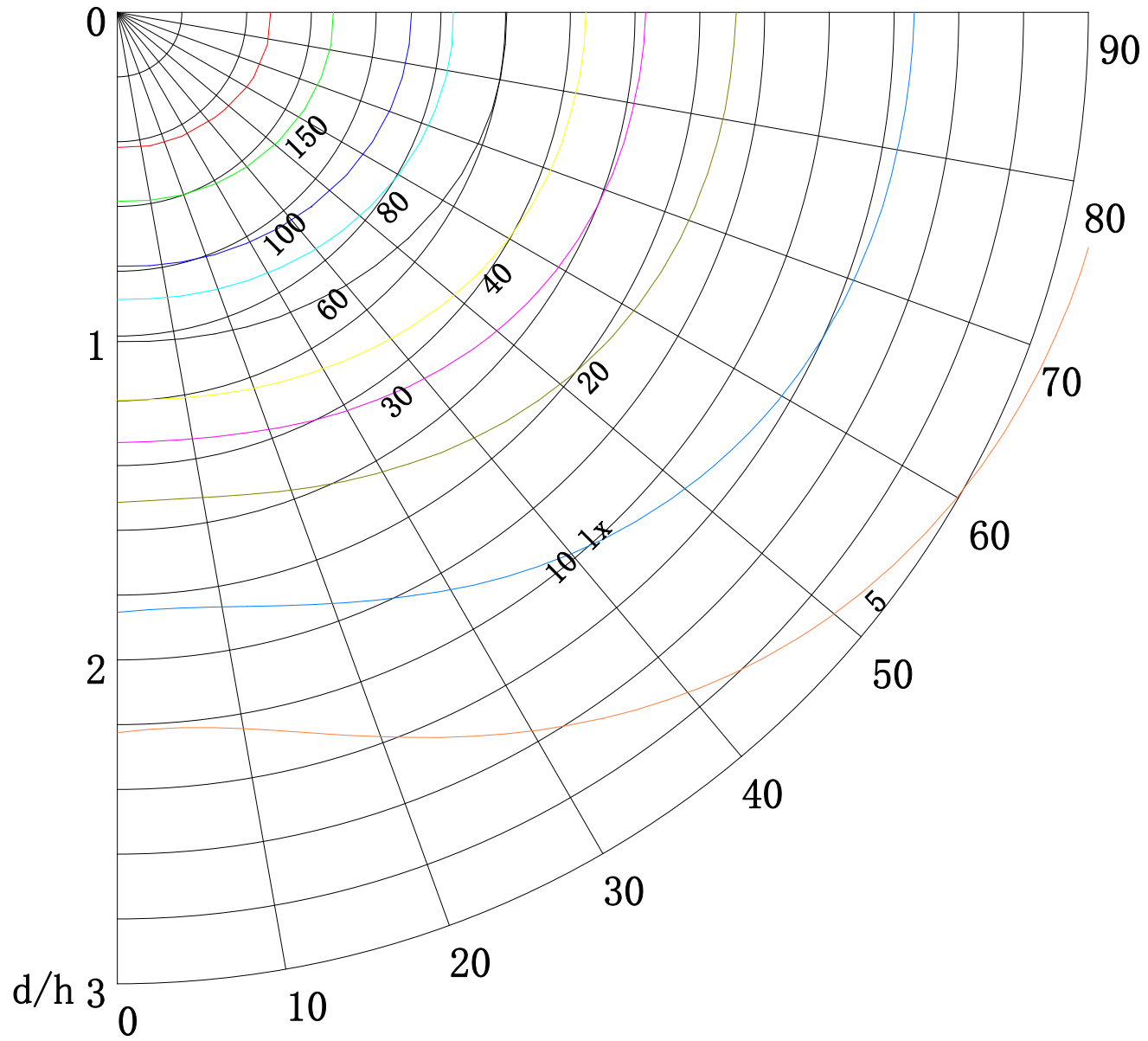
Assessor: Akin Xu

I (cd)



1000 lm

$K = 1$



$F = 1000 \text{ lm}$
 $K = 0.7$
 $H_{cc} = 0.8 \text{ m}$
 $H_{fc} = 0.0 \text{ m}$
 $E_{ave} = 100 \text{ lx}$

	P_{cc}	P_w	P_{fc}
—————	70	50	30
—————	50	30	20

