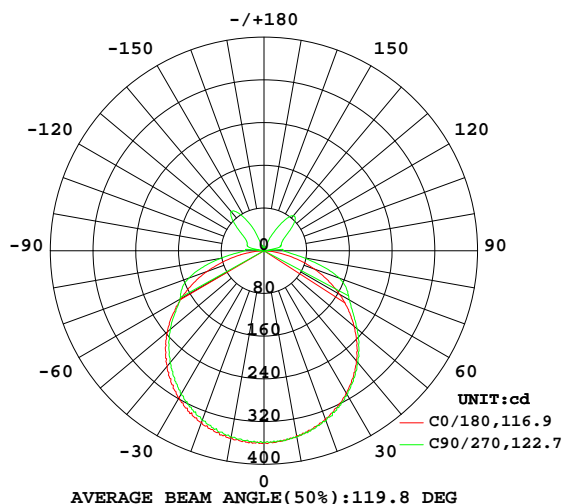


LUMINAIRE PHOTOMETRIC TEST REPORT

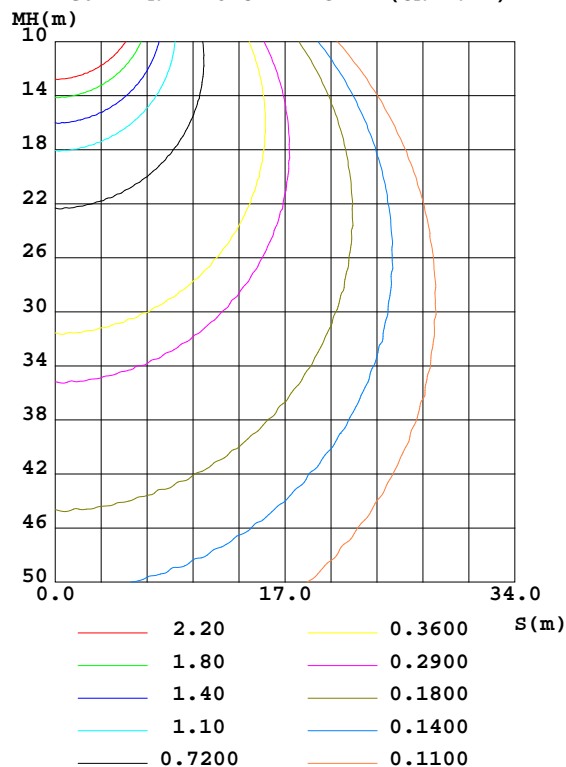
Test:U:100.11V I:0.1386A P:12.571W PF:0.9061 Freq:60.00Hz Lamp Flux:1303.2x1 lm		
NAME: LED rope light and tape light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 103.66 lm/W			
MODEIR125-2835HY-144L-2700K		Imax(cd)	361.3	S/MH(C0/180)	1.32
NOMINAL POWER(W)	13	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	100	TOTAL FLUX(lm)	1303.2	η UP,DN(C0-180)	5.8,43.7
NOMINAL FLUX(lm)	1303.2	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	6.2,44.3
LAMPS INSIDE	1	η up(%)	12.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	100	η down(%)	88.0	CIBSE SHR MAX	1.50

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:2023-08-30

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:60.5%
Test Distance:2.691m [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	351.3	352.6	353.5	354.0	354.5	355.0	353.9	352.2	0- 10	33.97	33.97	2.61,2.61
20	335.7	336.0	338.8	341.5	341.6	341.1	337.6	336.1	10- 20	97.99	132.0	10.1,10.1
30	307.7	308.3	311.2	316.7	316.6	314.2	309.5	308.9	20- 30	150.3	282.3	21.7,21.7
40	268.8	268.9	274.1	279.3	281.2	279.1	273.2	272.6	30- 40	184.0	466.3	35.8,35.8
50	220.8	222.1	227.7	233.6	234.8	233.0	229.0	226.8	40- 50	194.8	661.1	50.7,50.7
60	163.5	170.7	185.3	182.5	177.5	179.7	181.4	174.7	50- 60	181.4	842.5	64.6,64.6
70	100.5	127.3	150.1	137.3	112.8	137.9	149.7	131.3	60- 70	153.2	995.7	76.4,76.4
80	36.61	63.45	75.64	75.41	44.56	75.96	82.56	74.72	70- 80	106.0	1102	84.5,84.5
90	0.2856	28.96	36.69	31.83	1.183	30.58	36.89	30.21	80- 90	45.40	1147	88,88
100	0.2857	22.36	5.666	22.80	0.2583	23.45	5.715	23.09	90-100	15.04	1162	89.2,89.2
110	0.3712	25.84	34.82	28.46	0.4345	28.31	33.91	24.59	100-110	21.53	1184	90.8,90.8
120	0.4934	36.01	41.77	35.52	0.4820	35.83	38.40	31.06	110-120	24.01	1208	92.7,92.7
130	0.5009	51.55	67.81	53.83	0.5554	60.84	63.70	54.85	120-130	30.67	1238	95,95
140	0.5118	44.81	85.88	44.45	0.6081	63.75	95.54	56.71	130-140	35.35	1274	97.7,97.7
150	0.5684	0.5409	49.22	4.285	0.6229	0.5634	67.32	0.5846	140-150	23.84	1297	99.6,99.6
160	0.6007	2.514	0.4850	2.383	0.6124	5.443	0.6912	6.038	150-160	4.971	1302	99.9,99.9
170	0.5539	0.6103	0.6361	0.6393	0.5435	0.6497	1.401	0.7119	160-170	0.6817	1303	100,100
180	0.5799	0.5903	0.6103	0.5729	0.5788	0.5895	0.6096	0.5744	170-180	0.0599	1303	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 563.88 lm

%lum = 43.3%

%lamp = 43.3%

Conical surface Flux(120deg): 842.51 lm

%lum = 64.6%

%lamp = 64.6%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Wilson
 Test Date:2023-08-30

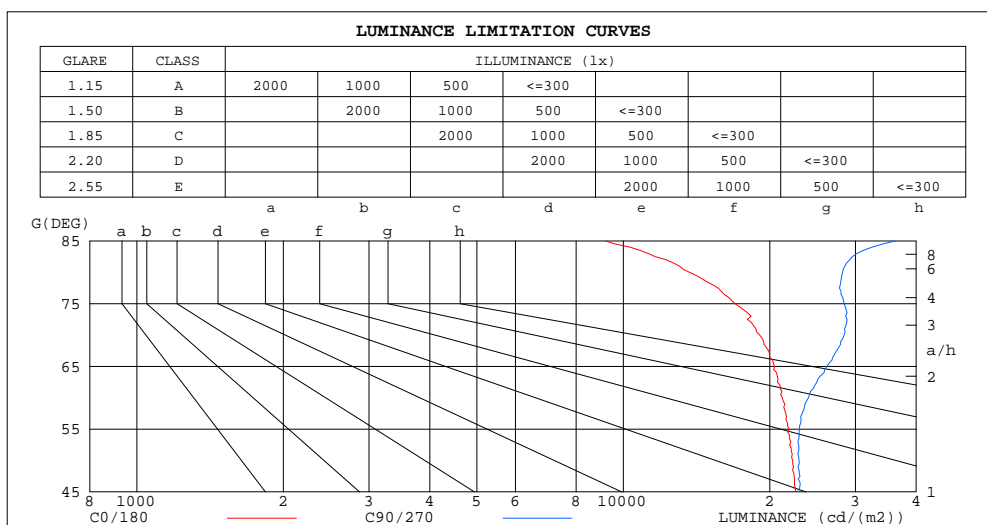
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
 Humidity:60.5%
 Test Distance:2.691m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LUMINANCE LIMITATION CURVES

Test:U:100.11V I:0.1386A P:12.571W PF:0.9061 Freq:60.00Hz Lamp Flux:1303.2x1 lm		
NAME: LED rope light and tape light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	9190	36226
80	13684	28222
75	16967	28428
70	19068	28431
65	20466	26211
60	21230	24007
55	21918	23018
50	22300	22957
45	22641	22950

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Wilson
 Test Date: 2023-08-30

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.444
 Humidity: 60.5%
 Test Distance: 2.691m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

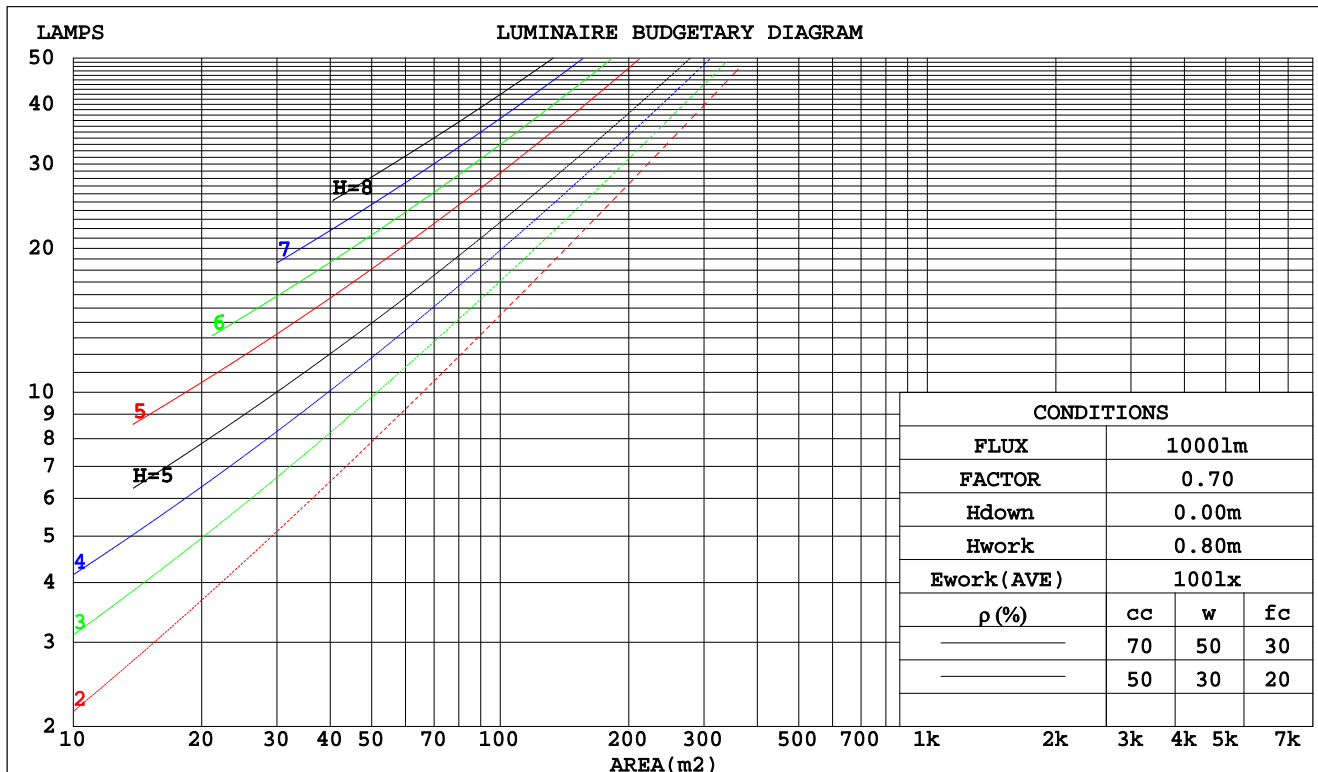
Checker: Near Gao

Assessor: Akin Xu

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:100.11V I:0.1386A P:12.571W PF:0.9061 Freq:60.00Hz Lamp Flux:1303.2x1 lm		
NAME: LED rope light and tape light	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	1.16	1.16	1.16	1.12	1.12	1.12	1.04	1.04	1.04	.97	.97	.97	.91	.91	.91	.88
1.0	.00	.95	.91	.96	.92	.88	.90	.86	.83	.84	.81	.79	.78	.76	.74	.71
2.0	.86	.79	.73	.83	.77	.71	.78	.72	.68	.73	.68	.64	.68	.64	.61	.58
3.0	.75	.67	.60	.73	.65	.59	.68	.61	.56	.64	.58	.54	.59	.55	.51	.48
4.0	.66	.57	.50	.64	.56	.49	.60	.53	.47	.56	.50	.45	.53	.48	.44	.41
5.0	.59	.50	.43	.57	.49	.42	.54	.46	.41	.50	.44	.39	.47	.42	.38	.35
6.0	.53	.44	.37	.51	.43	.37	.48	.41	.35	.45	.39	.34	.43	.37	.33	.31
7.0	.48	.39	.33	.46	.38	.32	.44	.36	.31	.41	.35	.30	.39	.33	.29	.27
8.0	.44	.35	.29	.42	.34	.29	.40	.33	.28	.38	.31	.27	.36	.30	.26	.24
9.0	.40	.32	.26	.39	.31	.26	.37	.30	.25	.35	.29	.24	.33	.27	.23	.21
10.0	.37	.29	.23	.36	.28	.23	.34	.27	.22	.32	.26	.22	.31	.25	.21	.19



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2023-08-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:60.5%
Test Distance:2.691m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

WEC AND CCEC

Test:U:100.11V I:0.1386A P:12.571W PF:0.9061 Freq:60.00Hz Lamp Flux:1303.2x1 lm		
NAME: LED rope light and tape light	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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.335	.191	.060	.324	.185	.059	.304	.175	.056	.286	.165	.053	.269	.156	.050		
2.0	.306	.168	.051	.296	.163	.050	.278	.155	.048	.261	.147	.046	.246	.139	.044		
3.0	.279	.148	.044	.270	.145	.044	.254	.137	.042	.239	.131	.040	.224	.124	.038		
4.0	.255	.132	.039	.247	.129	.038	.232	.123	.037	.218	.117	.035	.206	.112	.034		
5.0	.234	.119	.035	.227	.116	.034	.213	.111	.033	.201	.106	.032	.189	.101	.030		
6.0	.216	.108	.031	.209	.106	.030	.197	.101	.029	.186	.097	.028	.175	.092	.027		
7.0	.200	.099	.028	.194	.097	.028	.183	.093	.027	.173	.089	.026	.163	.085	.025		
8.0	.186	.091	.026	.181	.089	.025	.171	.085	.024	.161	.082	.024	.153	.078	.023		
9.0	.174	.084	.024	.169	.083	.023	.160	.079	.022	.151	.076	.022	.143	.073	.021		
10.0	.163	.078	.022	.159	.077	.021	.150	.074	.021	.142	.071	.020	.135	.068	.019		

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	.282	.282	.282	.241	.241	.241	.164	.164	.164	.094	.094	.094	.030	.030	.030	
1.0	.274	.248	.224	.235	.213	.193	.160	.146	.134	.092	.085	.078	.030	.027	.025	
2.0	.267	.225	.189	.228	.193	.163	.157	.134	.114	.090	.078	.067	.029	.025	.022	
3.0	.259	.208	.166	.222	.179	.144	.153	.124	.101	.088	.073	.060	.028	.024	.020	
4.0	.252	.195	.151	.216	.168	.131	.149	.117	.092	.086	.069	.055	.028	.022	.018	
5.0	.244	.185	.141	.210	.160	.122	.145	.112	.086	.084	.066	.051	.027	.021	.017	
6.0	.237	.177	.133	.204	.153	.116	.141	.107	.082	.082	.063	.049	.026	.021	.016	
7.0	.230	.170	.127	.198	.147	.111	.137	.103	.079	.080	.061	.047	.026	.020	.015	
8.0	.224	.164	.123	.193	.142	.107	.133	.100	.076	.078	.059	.045	.025	.019	.015	
9.0	.218	.159	.120	.188	.138	.105	.130	.097	.074	.076	.057	.044	.025	.019	.015	
10.0	.212	.155	.117	.183	.135	.102	.127	.095	.073	.074	.056	.043	.024	.018	.014	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Wilson
 Test Date:2023-08-30

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
 Humidity:60.5%
 Test Distance:2.691m [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:100.11V I:0.1386A P:12.571W PF:0.9061 Freq:60.00Hz Lamp Flux:1303.2x1 lm											
NAME: LED rope light and tape light					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	22.7	24.1	23.1	24.5	25.0	23.2	24.6	23.6	25.0	25.4	
	3H	24.2	25.5	24.7	26.0	26.4	25.4	26.7	25.9	27.1	27.6
	4H	24.8	26.1	25.3	26.5	27.0	26.4	27.6	26.9	28.1	28.6
	6H	25.2	26.4	25.7	26.8	27.4	27.1	28.3	27.6	28.8	29.3
	8H	25.3	26.4	25.8	26.9	27.4	27.4	28.5	27.9	29.0	29.6
	12H	25.3	26.4	25.8	26.9	27.4	27.7	28.8	28.2	29.3	29.8
4H	2H	23.4	24.6	23.9	25.1	25.6	23.8	25.0	24.3	25.5	26.0
	3H	25.2	26.3	25.7	26.8	27.3	26.2	27.3	26.8	27.8	28.4
	4H	25.9	26.9	26.5	27.4	28.0	27.3	28.3	27.9	28.8	29.4
	6H	26.5	27.3	27.0	27.9	28.5	28.2	29.1	28.8	29.6	30.3
	8H	26.6	27.4	27.2	28.0	28.6	28.6	29.4	29.2	30.0	30.6
	12H	26.7	27.4	27.3	28.0	28.6	29.0	29.7	29.6	30.3	31.0
8H	4H	26.4	27.2	27.0	27.8	28.4	27.6	28.4	28.2	29.0	29.6
	6H	27.1	27.8	27.7	28.4	29.1	28.7	29.3	29.3	29.9	30.6
	8H	27.4	28.0	28.0	28.6	29.3	29.2	29.8	29.8	30.4	31.1
	12H	27.5	28.1	28.2	28.7	29.4	29.7	30.2	30.4	30.9	31.6
12H	4H	26.5	27.2	27.1	27.8	28.5	27.6	28.4	28.2	28.9	29.6
	6H	27.3	27.9	27.9	28.5	29.2	28.7	29.3	29.4	29.9	30.6
	8H	27.6	28.1	28.2	28.7	29.5	29.3	29.8	29.9	30.4	31.2
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.1 / - 0.2					
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.2					

CIE Pub.117, 1303 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 0.9$)
 Area: 0.0154 m²

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Wilson
 Test Date:2023-08-30

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
 Humidity:60.5%
 Test Distance:2.691m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

UTILIZATION FACTORS TABLE

Test:U:100.11V I:0.1386A P:12.571W PF:0.9061 Freq:60.00Hz Lamp Flux:1303.2x1 lm		
NAME: LED rope light and tape light	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) x RCR = 5									
k = 0.60	52	40	33	51	40	33	49	39	33	26
0.80	62	50	42	60	49	42	58	48	41	33
1.00	70	58	50	68	57	50	65	58	49	40
1.25	77	66	58	75	64	57	71	62	56	46
1.50	82	71	64	80	70	63	75	67	61	51
2.00	89	80	73	86	78	71	81	74	68	58
2.50	93	85	78	90	83	76	85	78	73	62
3.00	97	89	83	94	87	81	88	82	78	66
4.00	101	95	89	98	92	87	92	87	83	70
5.00	104	98	94	100	96	91	94	90	86	73
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:25.1DEG
 Operators:Wilson
 Test Date:2023-08-30

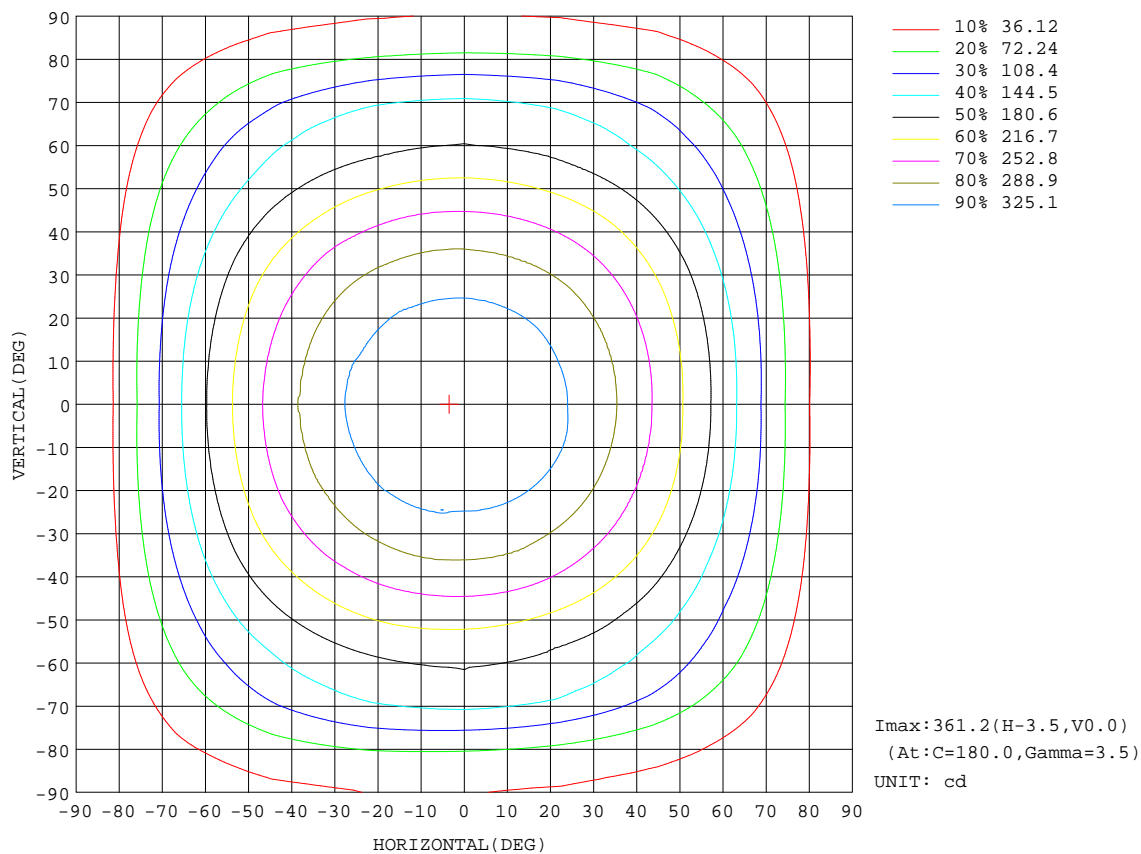
Checker: Near Gao

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
 Humidity:60.5%
 Test Distance:2.691m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu

ISOCANDELA DIAGRAM

Test:U:100.11V I:0.1386A P:12.571W PF:0.9061 Freq:60.00Hz Lamp Flux:1303.2x1 lm		
NAME: LED rope light and tape light	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: 2023-08-30

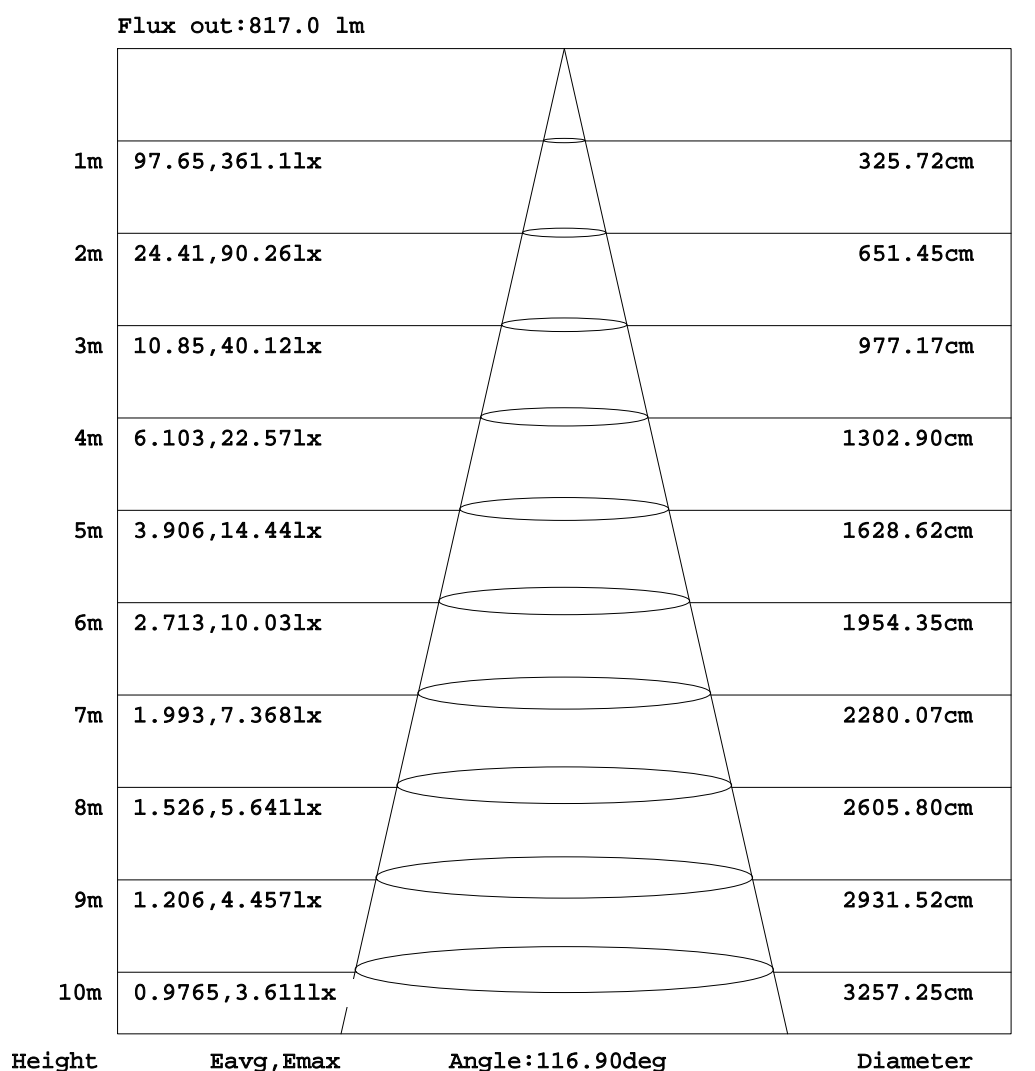
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.444
 Humidity: 60.5%
 Test Distance: 2.691m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

AAI Figure

Test:U:100.11V I:0.1386A P:12.571W PF:0.9061 Freq:60.00Hz Lamp Flux:1303.2x1 lm		
NAME: LED rope light and tape light	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: 2023-08-30

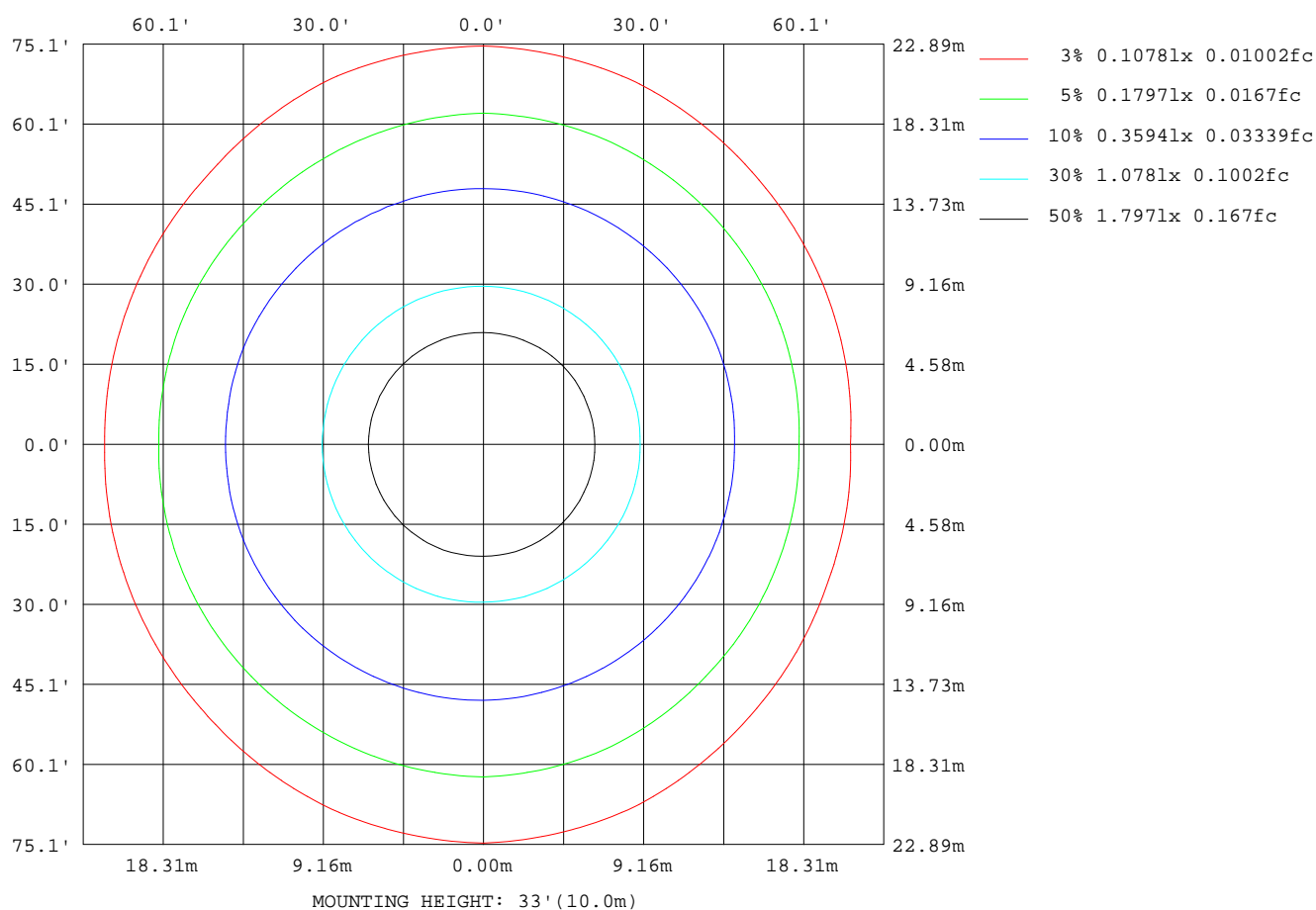
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity: 60.5%
Test Distance: 2.691m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOLUX DIAGRAM

Test:U:100.11V I:0.1386A P:12.571W PF:0.9061 Freq:60.00Hz Lamp Flux:1303.2x1 lm		
NAME: LED rope light and tape light	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:2023-08-30

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:60.5%
Test Distance:2.691m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LED Avg.L Report

Test:U:100.11V I:0.1386A P:12.571W PF:0.9061 Freq:60.00Hz Lamp Flux:1303.2x1 lm		
NAME: LED rope light and tape light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	21581
L_0~180(75)av	18286
L_0~180(85)av	10841
L_90~270(65)av	26160
L_90~270(75)av	29060
L_90~270(85)av	37543
L_45(65)av	23543
L_45(75)av	26676
L_45(85)av	32668

Standard: GB/T 29293-2012

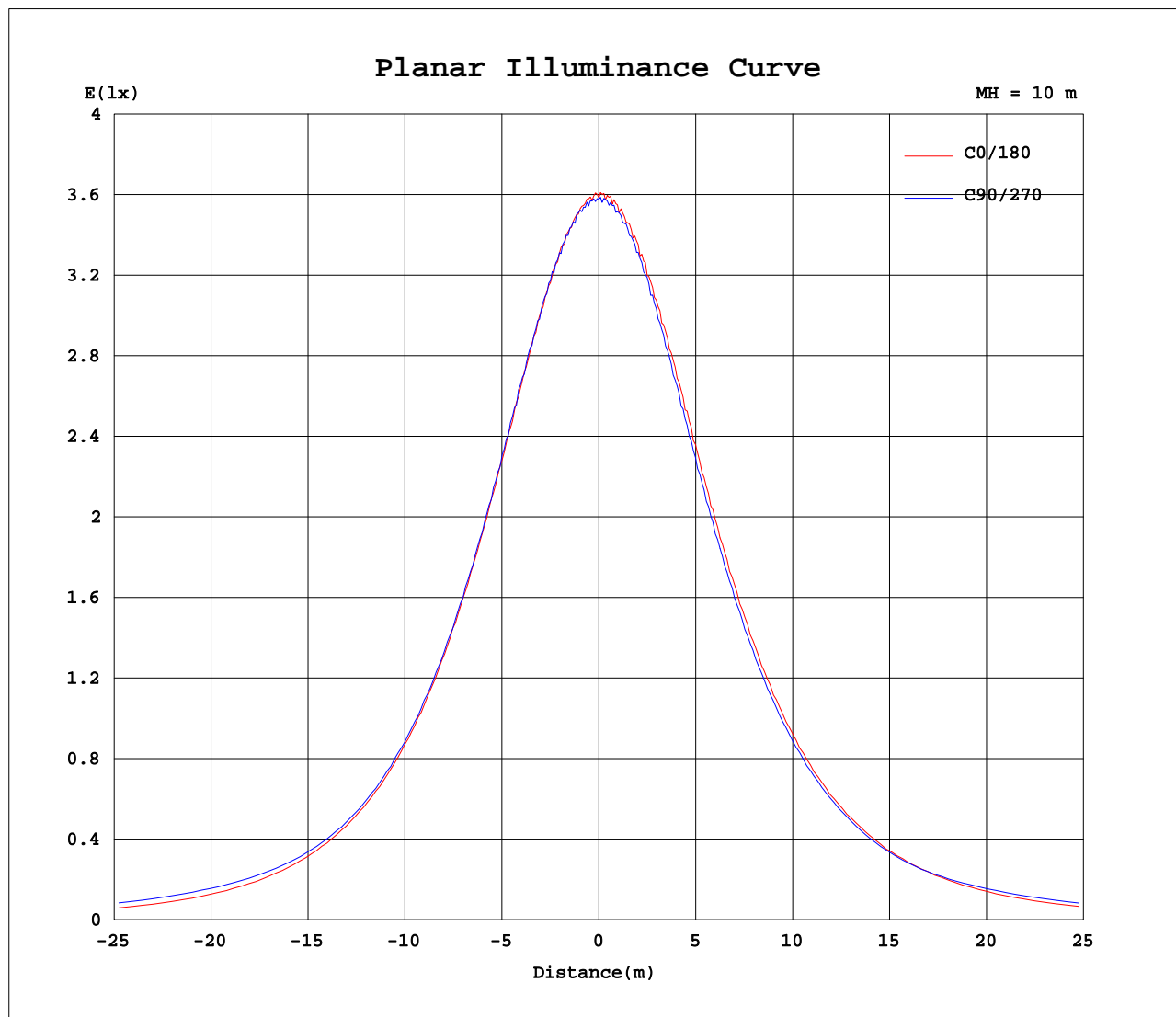
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2023-08-30

Checker: Near Gao

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:60.5%
Test Distance:2.691m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

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Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Wilson
 Test Date: 2023-08-30

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.444
 Humidity: 60.5%
 Test Distance: 2.691m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:100.11V I:0.1386A P:12.571W PF:0.9061 Freq:60.00Hz Lamp Flux:1303.2x1 lm		
NAME: LED rope light and tape light	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	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359			
5	358	357	357	355	356	357	357	359	360	359	358	357	356	356	355	356			
10	351	353	353	352	353	356	354	355	355	356	355	354	354	354	352	351			
15	346	346	346	344	346	347	348	351	352	349	349	346	345	345	345	345			
20	336	336	336	336	339	341	341	342	342	341	341	338	338	338	336	335			
25	324	324	324	322	324	327	329	332	332	329	329	325	323	323	322	323			
30	308	308	308	309	311	314	317	318	317	315	314	311	310	310	309	308			
35	291	290	290	289	292	296	298	301	303	299	298	294	291	290	290	290			
40	269	270	269	270	274	277	279	281	281	280	279	274	273	273	273	271			
45	247	247	247	246	250	254	257	260	261	258	256	253	252	250	250	249			
50	221	222	222	225	228	231	234	237	235	235	233	229	229	229	227	224			
55	194	195	197	198	204	206	208	209	209	209	206	204	203	202	200	199			
60	164	166	171	178	185	184	183	182	177	181	180	179	181	179	175	170			
65	133	138	149	162	171	166	158	153	148	150	155	166	170	163	151	142			
70	100	110	127	144	150	148	137	123	113	122	138	147	150	145	131	114			
75	67.7	83.0	99.5	108	114	118	111	94.3	78.1	93.1	109	116	118	116	105	86.5			
80	36.6	52.1	63.5	70.7	75.6	79.0	75.4	62.8	44.6	61.2	76.0	79.9	82.6	81.5	74.7	57.5			
85	12.3	27.3	38.9	45.1	48.7	50.0	45.7	34.7	16.8	32.5	45.1	49.1	52.1	51.2	45.6	31.0			
90	0.29	17.1	29.0	34.5	36.7	36.5	31.8	20.0	1.18	19.1	30.6	35.3	36.9	35.8	30.2	17.7			
95	0.18	4.89	0.95	6.56	25.0	14.0	2.20	5.96	0.86	7.68	2.80	32.2	27.6	32.8	0.33	4.92			
100	0.29	9.06	22.4	22.9	5.67	17.0	22.8	9.47	0.26	8.22	23.4	7.72	5.72	5.78	23.1	9.31			
105	0.32	11.7	24.5	28.4	32.8	32.4	27.8	12.2	0.30	12.4	27.6	33.3	31.6	30.2	24.3	11.3			
110	0.37	12.3	25.8	32.2	34.8	33.7	28.5	12.6	0.43	14.0	28.3	32.8	33.9	31.4	24.6	11.5			
115	0.43	13.4	29.6	34.8	36.8	35.5	30.8	13.4	0.45	15.7	30.1	34.0	34.8	32.6	26.5	12.9			
120	0.49	14.6	36.0	40.7	41.8	40.3	35.5	14.5	0.48	19.7	35.8	37.8	38.4	36.5	31.1	16.1			
125	0.52	14.7	45.5	51.8	51.4	49.5	44.6	15.0	0.52	24.4	47.1	47.7	46.4	45.2	41.3	19.5			
130	0.50	2.38	51.5	66.1	67.8	64.9	53.8	13.7	0.56	21.5	60.8	66.0	63.7	62.7	54.8	15.9			
135	0.50	1.26	52.6	76.2	82.7	78.4	54.5	0.64	0.56	6.09	66.4	83.6	84.9	81.5	62.6	0.82			
140	0.51	8.68	44.8	75.5	85.9	77.3	44.5	6.24	0.61	14.8	63.8	89.3	95.5	87.5	56.7	10.9			
145	0.55	4.53	33.0	60.8	73.1	61.9	33.1	5.85	0.60	11.4	49.1	79.2	88.1	75.3	42.5	8.87			
150	0.57	1.18	0.54	40.7	49.2	41.1	4.29	2.07	0.62	5.08	0.56	57.3	67.3	55.4	0.58	2.62			
155	0.60	0.61	7.58	3.99	27.6	12.2	7.53	0.73	0.62	1.80	12.5	10.3	41.9	13.8	11.9	1.53			
160	0.60	0.67	2.51	8.44	0.48	5.99	2.38	0.70	0.61	0.88	5.44	9.84	0.69	12.9	6.04	0.90			
165	0.60	0.65	0.65	2.30	3.70	2.45	0.77	0.66	0.58	0.69	1.40	3.38	5.86	4.84	1.74	0.75			
170	0.55	0.55	0.61	0.58	0.64	0.59	0.64	0.67	0.54	0.61	0.65	0.97	1.40	0.99	0.71	0.57			
175	0.59	0.61	0.63	0.62	0.69	0.61	0.61	0.59	0.56	0.63	0.70	0.58	0.67	0.61	0.60	0.63			
180	0.58	0.57	0.59	0.58	0.61	0.57	0.57	0.56	0.58	0.58	0.59	0.58	0.61	0.57	0.57	0.56			

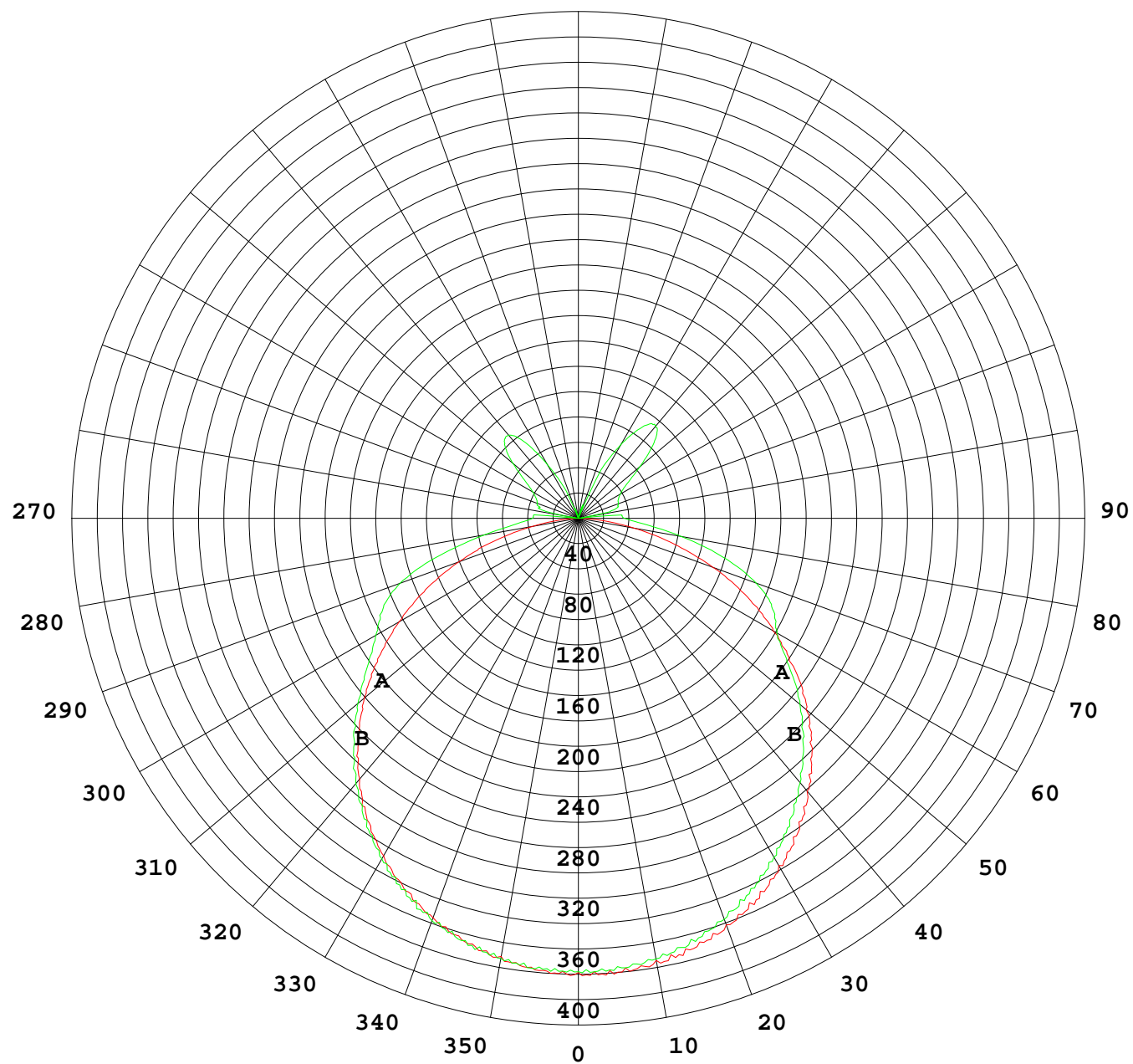
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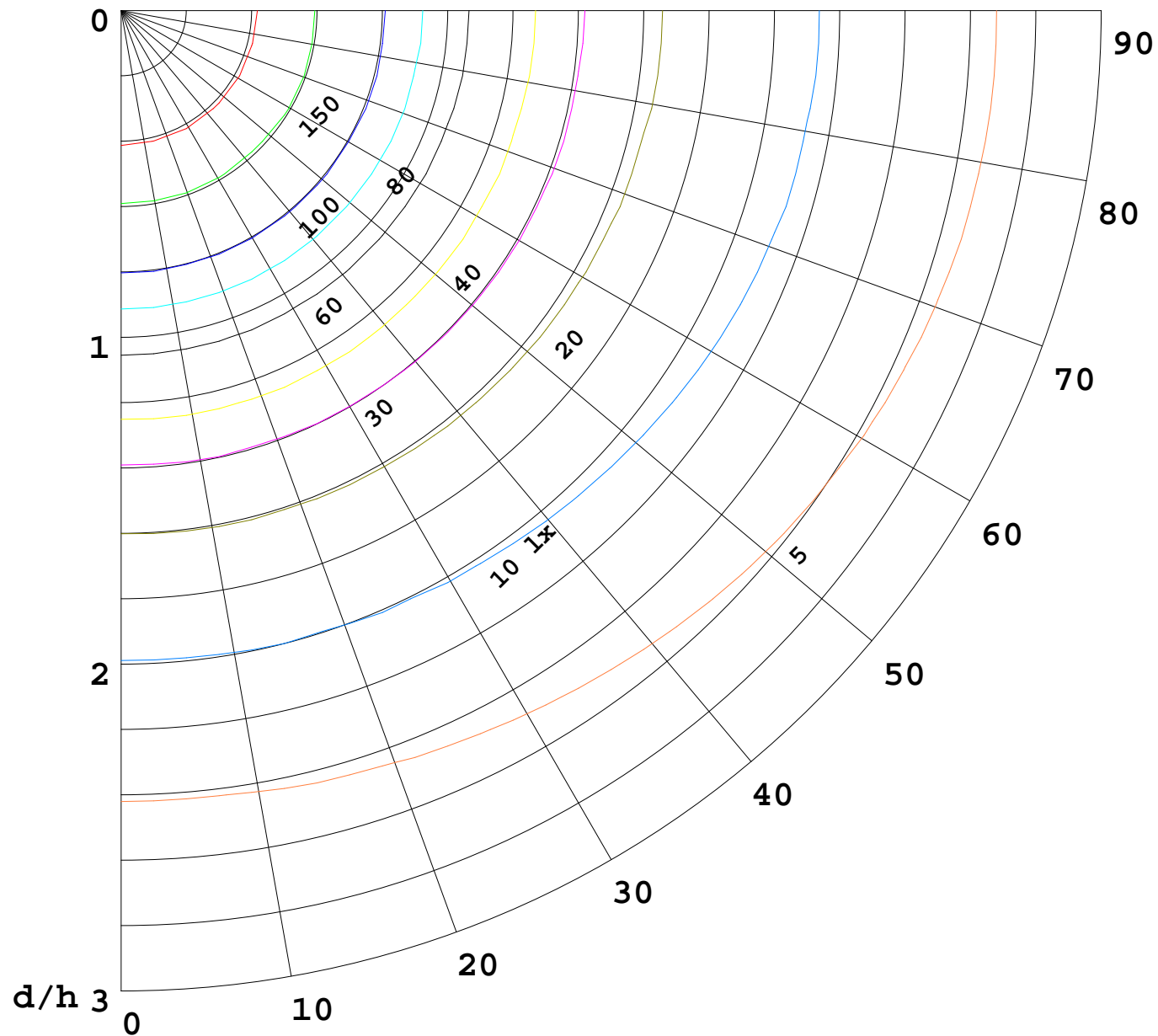
Assessor: Akin Xu

I(cd)



1000 lm

$\kappa = 1$



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

