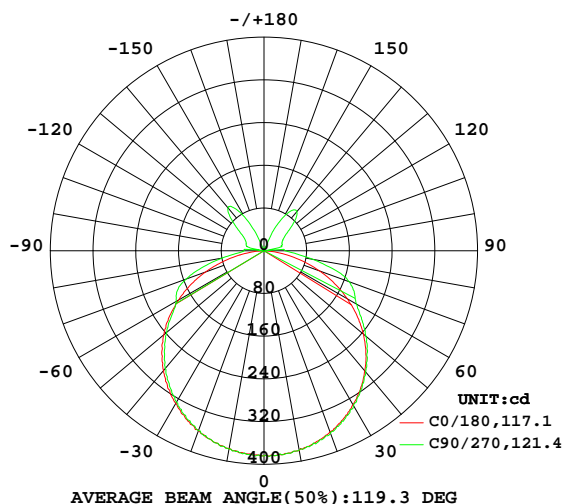


LUMINAIRE PHOTOMETRIC TEST REPORT

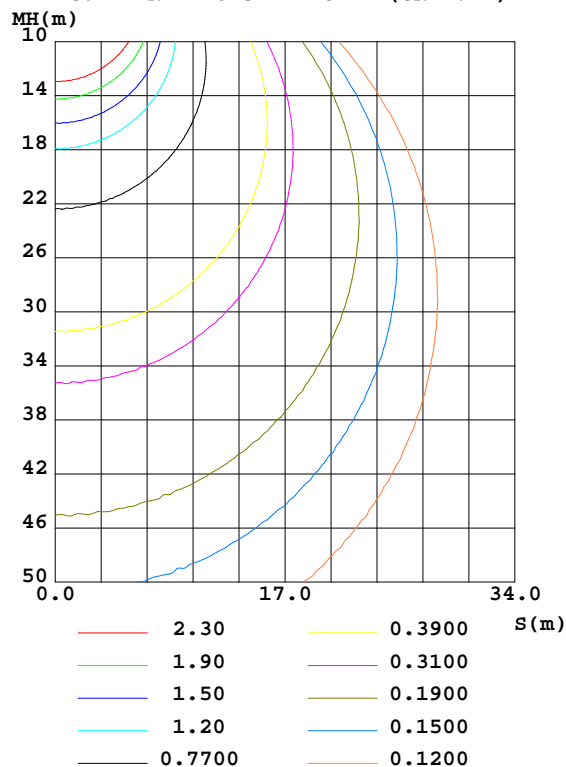
Test:U:100.19V I:0.1389A P:12.610W PF:0.9063 Freq:60.00Hz Lamp Flux:1393.47x1 lm		
NAME: LED rope light and tape light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 110.50 lm/W			
MODEIR125-2835HY-144L-3000K		Imax(cd)	385.9	S/MH(C0/180)	1.28
NOMINAL POWER(W)	13	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	100	TOTAL FLUX(lm)	1393.5	η UP,DN(C0-180)	5.9,44.8
NOMINAL FLUX(lm)	1393.47	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	6.0,43.4
LAMPS INSIDE	1	η up(%)	11.9	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	100	η down(%)	88.1	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	380.1	378.7	379.2	378.1	375.9	376.0	377.3	377.6	0- 10	36.35	36.35	2.61,2.61
20	361.3	363.7	363.7	361.6	359.0	356.9	358.4	360.1	10- 20	104.7	141.0	10.1,10.1
30	333.7	337.7	335.3	336.2	330.2	327.4	327.7	331.2	20- 30	160.4	301.4	21.6,21.6
40	293.7	299.2	296.4	298.2	291.9	288.6	288.0	291.0	30- 40	196.6	498.0	35.7,35.7
50	243.3	250.7	248.8	250.1	244.5	240.8	238.4	242.4	40- 50	208.6	706.6	50.7,50.7
60	180.4	194.3	200.1	195.5	184.3	184.5	190.0	186.0	50- 60	194.6	901.3	64.7,64.7
70	111.1	145.3	170.0	147.0	116.1	142.1	154.7	141.2	60- 70	164.4	1066	76.5,76.5
80	40.69	80.66	93.38	82.48	45.84	74.93	79.24	73.95	70- 80	114.5	1180	84.7,84.7
90	0.4136	31.31	39.87	33.03	0.9675	30.67	37.31	31.30	80- 90	48.07	1228	88.1,88.1
100	0.2388	24.16	6.259	24.95	0.2223	25.43	5.113	24.21	90-100	15.93	1244	89.3,89.3
110	0.4243	26.85	36.38	27.57	0.3853	26.43	35.72	27.14	100-110	21.91	1266	90.9,90.9
120	0.5205	34.48	41.13	34.31	0.4953	33.66	40.58	35.25	110-120	24.34	1290	92.6,92.6
130	0.6082	55.87	62.62	57.13	0.5352	61.53	65.67	61.16	120-130	30.91	1321	94.8,94.8
140	0.5434	60.49	95.83	65.38	0.5751	67.55	104.6	66.16	130-140	38.21	1360	97.6,97.6
150	0.5655	0.6152	72.75	8.410	0.6334	0.5851	73.01	0.6238	140-150	27.91	1387	99.6,99.6
160	0.5670	1.985	0.5095	2.817	0.6139	1.955	0.5888	1.816	150-160	5.507	1393	100,100
170	0.5767	0.5584	0.6128	0.5713	0.5744	0.6613	0.6318	0.6303	160-170	0.4277	1393	100,100
180	0.6087	0.6229	0.6381	0.5998	0.6069	0.6211	0.6381	0.6013	170-180	0.0581	1393	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 602.45 lm

%lum = 43.2%

%lamp = 43.2%

Conical surface Flux(120deg): 901.29 lm

%lum = 64.7%

%lamp = 64.7%

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

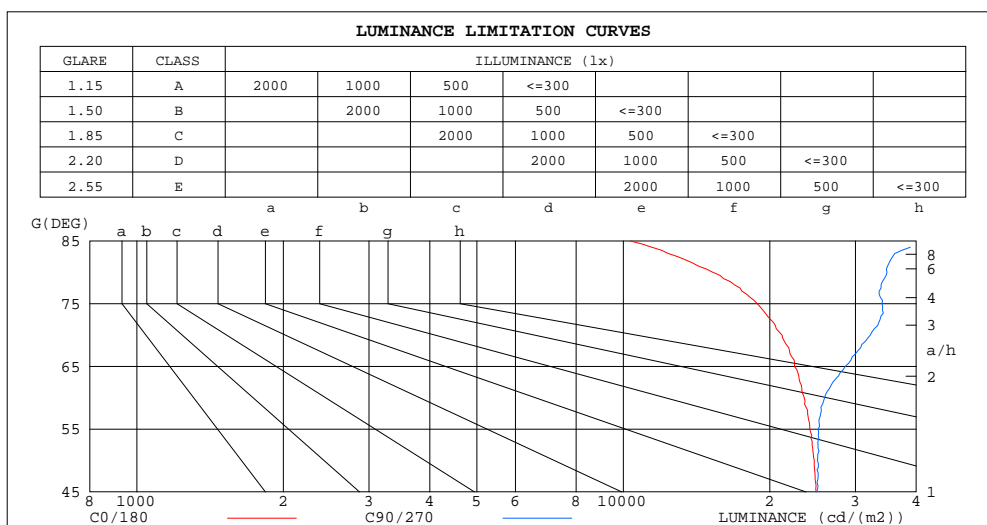
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
 Humidity:60.5%
 Test Distance:2.691m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LUMINANCE LIMITATION CURVES

Test:U:100.19V I:0.1389A P:12.610W PF:0.9063 Freq:60.00Hz Lamp Flux:1393.47x1 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	10339	43402
80	15288	34831
75	18853	34023
70	21197	32188
65	22483	28592
60	23544	25921
55	24178	25157
50	24694	25069
45	24893	24984

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

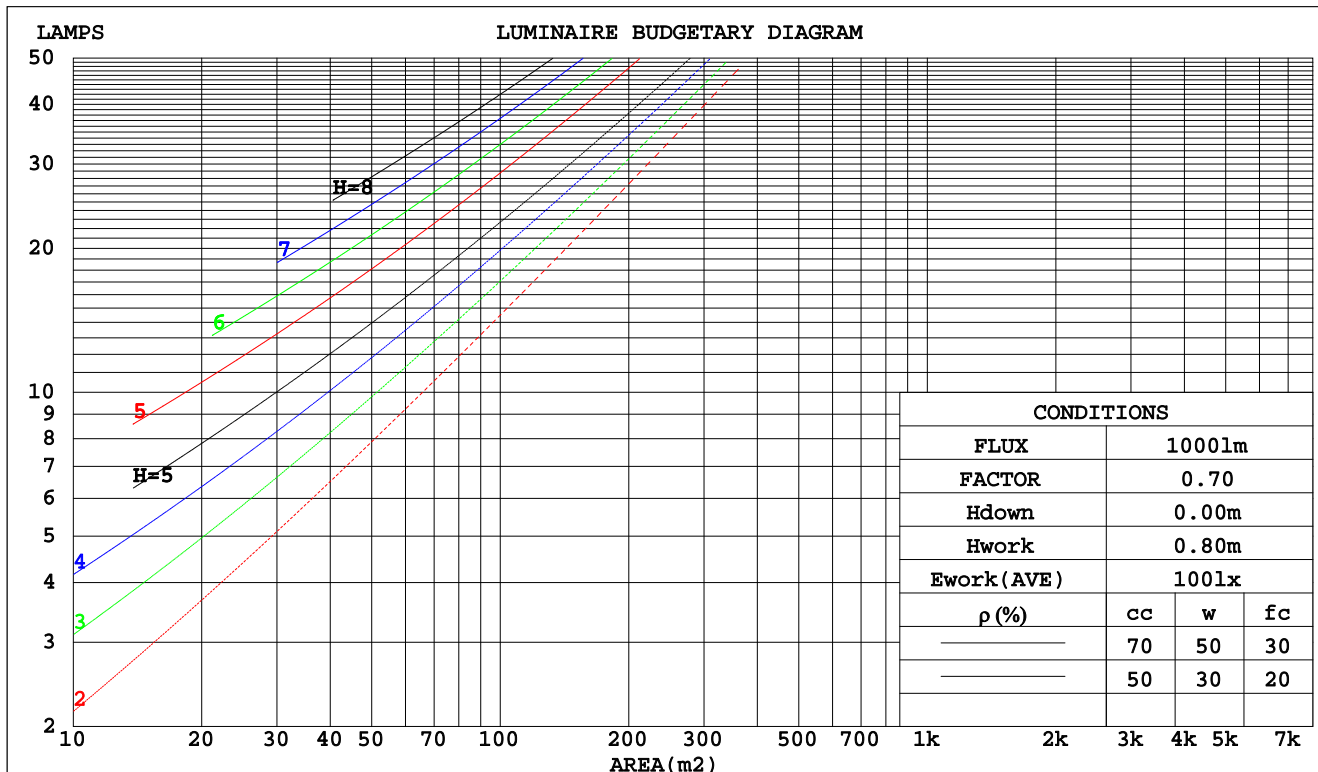
Checker: Near Gao

Assessor: Akin Xu

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:100.19V I:0.1389A P:12.610W PF:0.9063 Freq:60.00Hz Lamp Flux:1393.47x1 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	1.05	1.05	1.05	.98	.98	.98	.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	.60	.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	.43	.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:100.19V I:0.1389A P:12.610W PF:0.9063 Freq:60.00Hz Lamp Flux:1393.47x1 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	
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	.335	.191	.060	.325	.185	.059	.305	.175	.056	.286	.165	.053	.269	.156	.050		
2.0	.306	.168	.051	.297	.163	.050	.278	.155	.048	.262	.147	.046	.246	.139	.044		
3.0	.279	.148	.044	.270	.145	.044	.254	.138	.042	.239	.131	.040	.225	.125	.039		
4.0	.255	.132	.039	.247	.129	.038	.232	.123	.037	.219	.117	.035	.206	.112	.034		
5.0	.234	.119	.035	.227	.117	.034	.214	.111	.033	.201	.106	.032	.190	.101	.030		
6.0	.216	.108	.031	.210	.106	.030	.197	.101	.029	.186	.097	.028	.176	.093	.027		
7.0	.200	.099	.028	.194	.097	.028	.183	.093	.027	.173	.089	.026	.164	.085	.025		
8.0	.186	.091	.026	.181	.089	.025	.171	.085	.024	.162	.082	.024	.153	.078	.023		
9.0	.174	.084	.024	.169	.083	.023	.160	.079	.022	.152	.076	.022	.143	.073	.021		
10.0	.164	.078	.022	.159	.077	.021	.151	.074	.021	.143	.071	.020	.135	.068	.020		

pcc	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	.281	.281	.281	.240	.240	.240	.164	.164	.164	.094	.094	.094	.030	.030	.030	
1.0	.273	.247	.223	.234	.212	.192	.160	.146	.133	.092	.084	.077	.029	.027	.025	
2.0	.266	.224	.188	.228	.192	.162	.156	.133	.113	.090	.077	.066	.029	.025	.022	
3.0	.258	.207	.165	.222	.178	.143	.152	.124	.100	.088	.072	.059	.028	.023	.019	
4.0	.251	.194	.150	.215	.167	.130	.148	.117	.092	.086	.068	.054	.028	.022	.018	
5.0	.243	.184	.140	.209	.159	.121	.144	.111	.086	.083	.065	.051	.027	.021	.017	
6.0	.236	.176	.132	.203	.152	.115	.140	.106	.081	.081	.063	.048	.026	.020	.016	
7.0	.229	.169	.126	.197	.146	.110	.136	.103	.078	.079	.060	.046	.026	.020	.015	
8.0	.223	.163	.122	.192	.142	.107	.133	.099	.076	.077	.059	.045	.025	.019	.015	
9.0	.217	.158	.119	.187	.137	.104	.129	.097	.074	.075	.057	.044	.024	.019	.015	
10.0	.211	.154	.116	.182	.134	.102	.126	.094	.072	.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:100.19V I:0.1389A P:12.610W PF:0.9063 Freq:60.00Hz Lamp Flux:1393.47x1 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	23.3	24.7	23.7	25.1	25.5	23.6	25.0	24.0	25.4	25.8	
	3H	24.8	26.1	25.3	26.5	27.0	25.9	27.2	26.4	27.6	28.1
	4H	25.4	26.6	25.9	27.1	27.6	27.0	28.3	27.5	28.7	29.2
	6H	25.8	26.9	26.3	27.4	27.9	27.9	29.1	28.4	29.5	30.1
	8H	25.9	27.0	26.4	27.5	28.0	28.2	29.4	28.8	29.8	30.4
	12H	25.9	27.0	26.4	27.5	28.0	28.6	29.6	29.1	30.1	30.7
4H	2H	24.0	25.2	24.5	25.7	26.2	24.3	25.5	24.7	25.9	26.4
	3H	25.8	26.9	26.3	27.4	27.9	26.8	27.9	27.3	28.4	28.9
	4H	26.6	27.5	27.1	28.0	28.6	28.1	29.0	28.6	29.6	30.1
	6H	27.1	28.0	27.7	28.5	29.1	29.1	29.9	29.6	30.5	31.1
	8H	27.2	28.0	27.8	28.6	29.2	29.5	30.3	30.1	30.9	31.5
	12H	27.3	28.0	27.9	28.6	29.3	29.9	30.6	30.5	31.2	31.9
8H	4H	27.1	27.9	27.7	28.5	29.1	28.4	29.2	29.0	29.7	30.4
	6H	27.9	28.5	28.5	29.1	29.8	29.6	30.3	30.2	30.9	31.5
	8H	28.1	28.7	28.8	29.3	30.0	30.1	30.7	30.8	31.4	32.1
	12H	28.3	28.8	29.0	29.5	30.2	30.7	31.2	31.3	31.9	32.6
12H	4H	27.2	27.9	27.8	28.5	29.2	28.4	29.1	29.0	29.7	30.4
	6H	28.0	28.6	28.7	29.3	30.0	29.7	30.3	30.3	30.9	31.6
	8H	28.4	28.9	29.0	29.5	30.3	30.3	30.8	30.9	31.4	32.1
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					+ 0.2 / - 0.2					
2.0H	+ 0.2 / - 0.4					+ 0.1 / - 0.3					

CIE Pub.117, 1393 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 1.2$)
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:100.19V I:0.1389A P:12.610W PF:0.9063 Freq:60.00Hz Lamp Flux:1393.47x1 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) $k(RI) \times RCR = 5$									
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	87	78	71	81	74	69	58
2.50	94	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	90	98	92	87	92	87	83	70
5.00	104	99	94	101	96	91	94	90	87	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

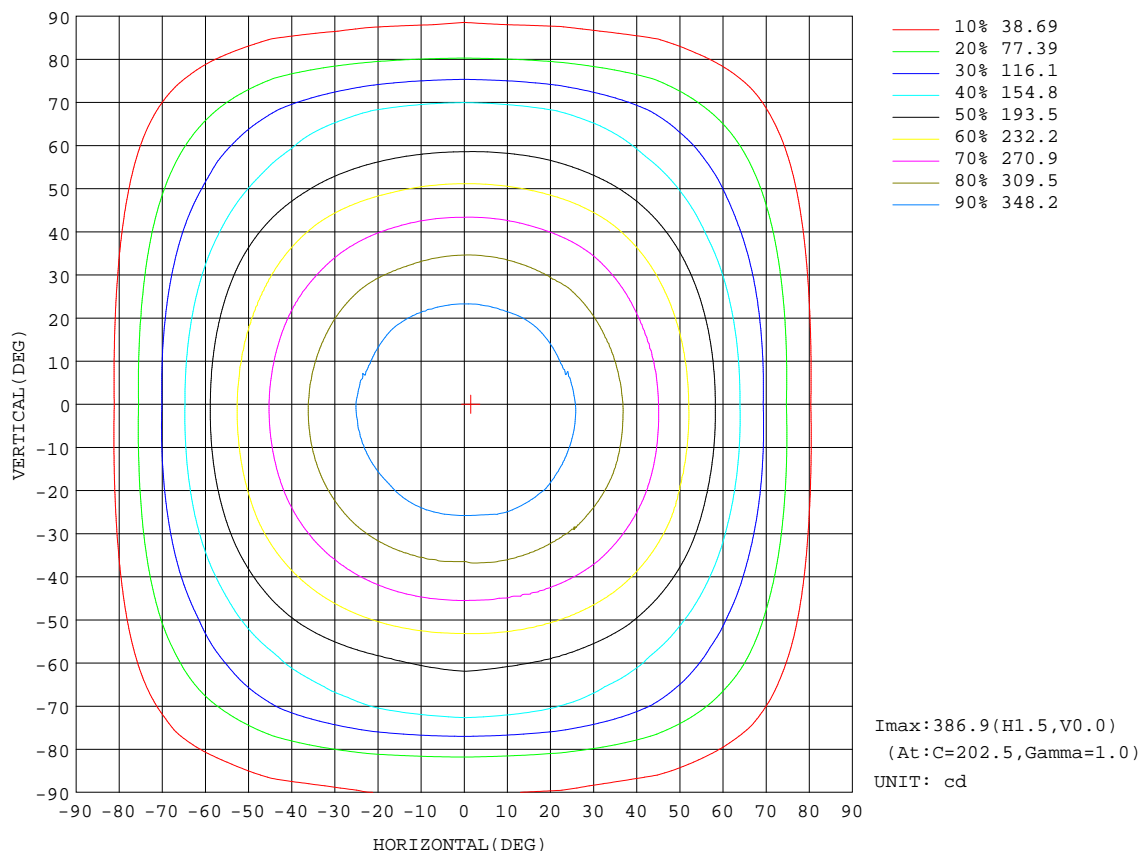
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
 Humidity:60.5%
 Test Distance:2.691m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOCANDELA DIAGRAM

Test:U:100.19V I:0.1389A P:12.610W PF:0.9063 Freq:60.00Hz Lamp Flux:1393.47x1 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

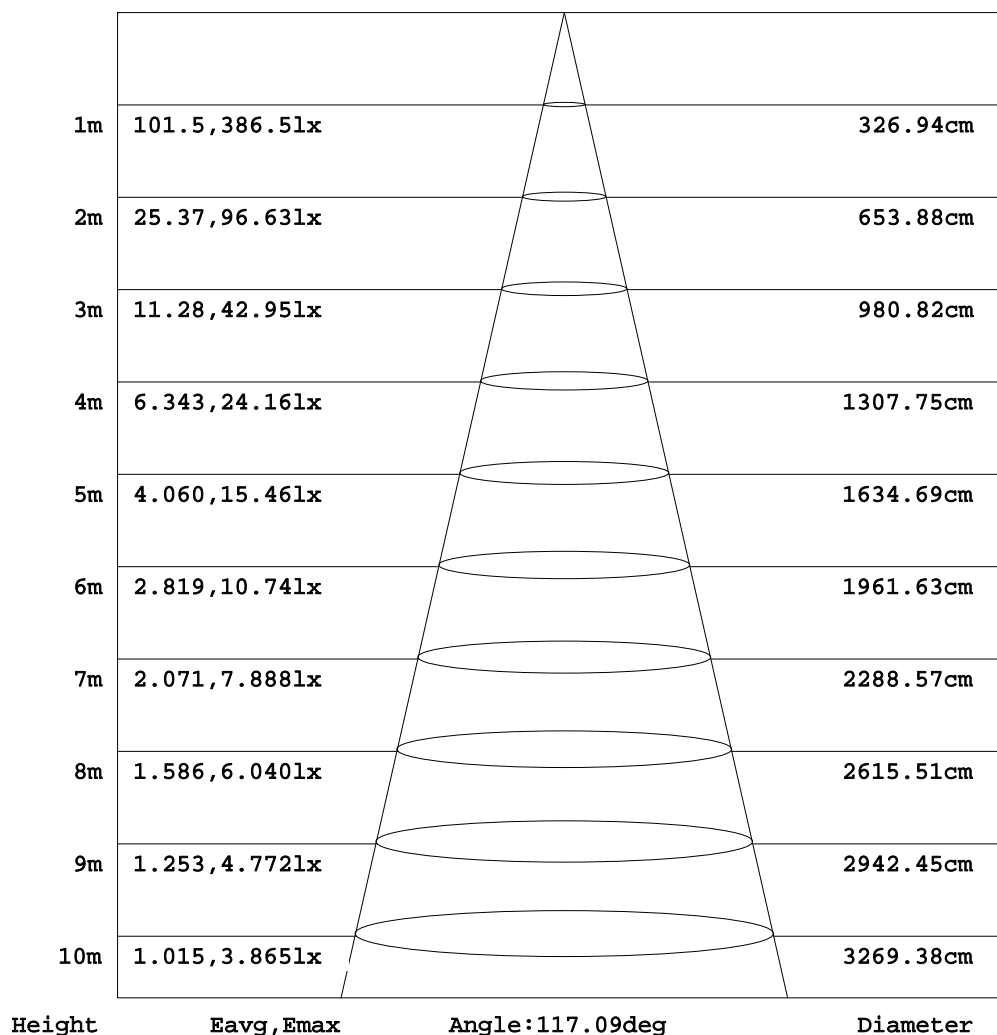
Checker: Near Gao

Assessor: Akin Xu

AAI Figure

Test:U:100.19V I:0.1389A P:12.610W PF:0.9063 Freq:60.00Hz Lamp Flux:1393.47x1 lm		
NAME: LED rope light and tape light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:883.1 lm



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

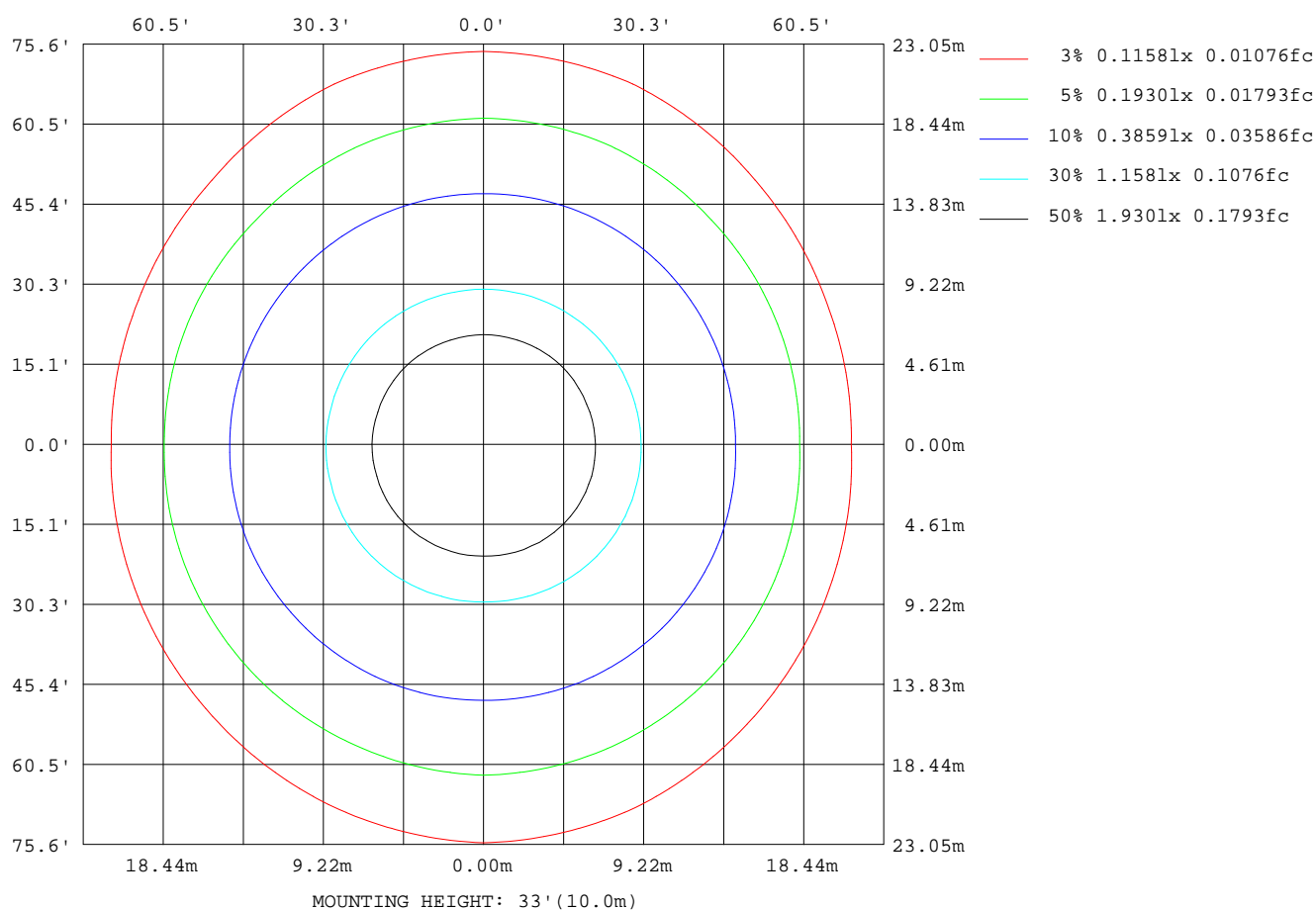
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
 Humidity:60.5%
 Test Distance:2.691m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOLUX DIAGRAM

Test: U:100.19V I:0.1389A P:12.610W PF:0.9063 Freq:60.00Hz Lamp Flux: 1393.47x1 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:100.19V I:0.1389A P:12.610W PF:0.9063 Freq:60.00Hz Lamp Flux:1393.47x1 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	22876
L_0~180(75)av	19471
L_0~180(85)av	11478
L_90~270(65)av	28139
L_90~270(75)av	31945
L_90~270(85)av	39998
L_45(65)av	25293
L_45(75)av	28887
L_45(85)av	34386

Standard: GB/T 29293-2012

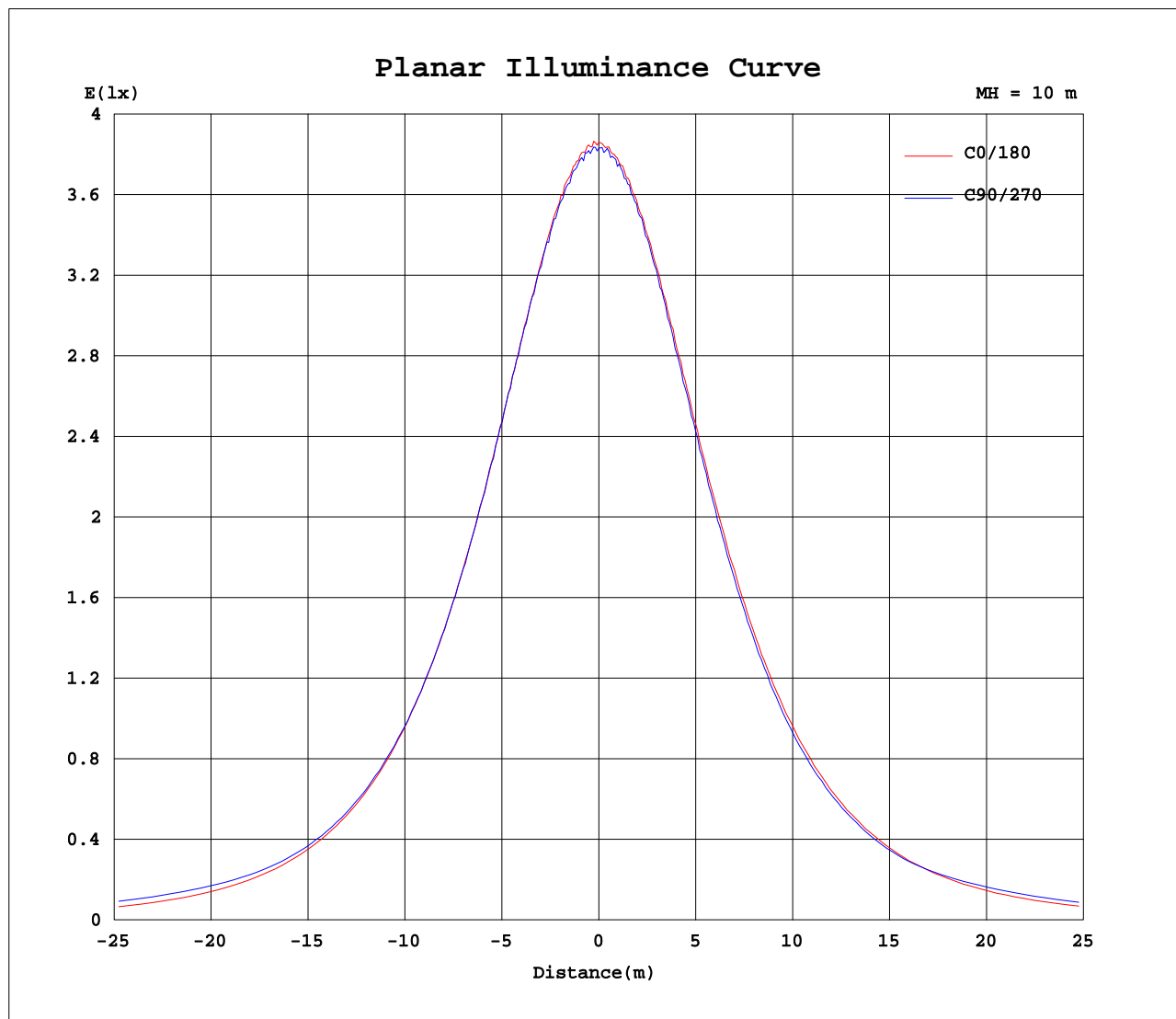
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2023-08-30

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

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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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:100.19V I:0.1389A P:12.610W PF:0.9063 Freq:60.00Hz Lamp Flux:1393.47x1 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	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384			
5	383	384	382	384	384	383	381	383	382	382	380	382	383	383	381	384			
10	380	380	379	380	379	379	378	378	376	377	376	376	377	377	378	379			
15	372	374	371	374	374	374	369	372	370	369	367	368	370	371	369	373			
20	361	364	364	365	364	363	362	361	359	358	357	357	358	359	360	361			
25	349	352	351	353	352	352	349	351	347	344	343	343	345	345	345	349			
30	334	337	338	339	335	336	336	333	330	327	327	327	328	328	331	333			
35	315	319	319	320	317	318	317	318	314	311	309	307	309	309	310	315			
40	294	299	299	299	296	297	298	296	292	291	289	287	288	288	291	293			
45	270	275	276	277	273	274	274	275	271	269	264	263	264	265	266	270			
50	243	250	251	252	249	250	250	249	244	242	241	239	238	239	242	244			
55	213	221	223	225	223	223	223	223	217	216	213	211	211	213	215	215			
60	180	189	194	198	200	197	195	191	184	186	184	187	190	188	186	184			
65	146	157	168	181	187	179	169	161	152	155	160	174	180	177	162	152			
70	111	125	145	163	170	162	147	129	116	125	142	153	155	153	141	122			
75	74.8	95.0	119	134	136	133	122	99.8	80.4	95.5	111	117	119	117	109	92.6			
80	40.7	62.7	80.7	90.6	93.4	91.2	82.5	66.3	45.8	61.2	74.9	78.2	79.2	78.3	74.0	59.4			
85	13.8	33.0	47.6	56.3	58.4	56.8	49.9	36.3	17.0	32.1	43.6	46.9	49.0	47.7	43.5	30.9			
90	0.41	18.5	31.3	38.0	39.9	38.8	33.0	20.1	0.97	18.5	30.7	35.8	37.3	36.1	31.3	18.8			
95	0.18	5.98	0.95	7.51	23.1	14.8	1.07	6.52	0.52	7.63	1.48	34.5	30.0	35.6	5.58	5.60			
100	0.24	9.25	24.2	24.1	6.26	20.5	24.9	11.2	0.22	9.25	25.4	9.01	5.11	5.59	24.2	9.58			
105	0.36	11.6	25.9	30.4	34.4	30.8	26.9	13.1	0.35	12.1	26.2	31.1	33.2	32.1	25.9	11.4			
110	0.42	12.3	26.9	33.3	36.4	34.0	27.6	12.7	0.39	11.7	26.4	33.0	35.7	33.2	27.1	11.9			
115	0.46	14.0	29.7	35.2	37.2	35.5	29.8	14.1	0.45	12.8	28.6	34.9	37.1	35.4	29.7	13.2			
120	0.52	17.3	34.5	39.1	41.1	39.6	34.3	16.4	0.50	15.2	33.7	39.1	40.6	39.6	35.2	15.3			
125	0.55	20.8	44.6	47.1	47.4	46.7	43.2	19.9	0.54	19.3	44.2	47.8	48.3	49.7	46.3	18.9			
130	0.61	7.45	55.9	63.1	62.6	62.6	57.1	21.6	0.54	19.8	61.5	66.3	65.7	67.4	61.2	14.1			
135	0.56	2.30	62.9	80.8	83.2	81.4	67.3	0.79	0.59	3.15	71.8	88.5	89.8	87.6	70.6	0.52			
140	0.54	6.45	60.5	88.1	95.8	90.5	65.4	7.06	0.58	7.60	67.6	99.3	105	96.3	66.2	6.32			
145	0.54	2.66	46.7	82.3	92.8	84.3	51.4	5.42	0.62	2.53	46.4	86.1	98.2	86.4	48.3	2.24			
150	0.57	0.94	0.62	61.0	72.7	62.4	8.41	1.68	0.63	1.07	0.59	59.3	73.0	59.3	0.62	0.89			
155	0.56	0.53	6.76	10.3	42.0	19.9	5.50	0.71	0.61	0.73	7.09	10.7	37.5	11.6	5.52	0.67			
160	0.57	0.56	1.98	8.58	0.51	6.33	2.82	0.65	0.61	0.72	1.95	4.82	0.59	4.11	1.82	0.74			
165	0.57	0.58	0.58	1.83	2.74	2.00	0.81	0.62	0.59	0.72	0.68	1.52	2.02	1.21	0.68	0.70			
170	0.58	0.58	0.56	0.54	0.61	0.57	0.57	0.68	0.57	0.66	0.66	0.61	0.63	0.64	0.63	0.61			
175	0.62	0.61	0.60	0.57	0.65	0.65	0.63	0.63	0.59	0.66	0.65	0.63	0.66	0.61	0.63	0.64			
180	0.61	0.60	0.62	0.62	0.64	0.60	0.60	0.59	0.61	0.60	0.62	0.62	0.64	0.60	0.60	0.59			

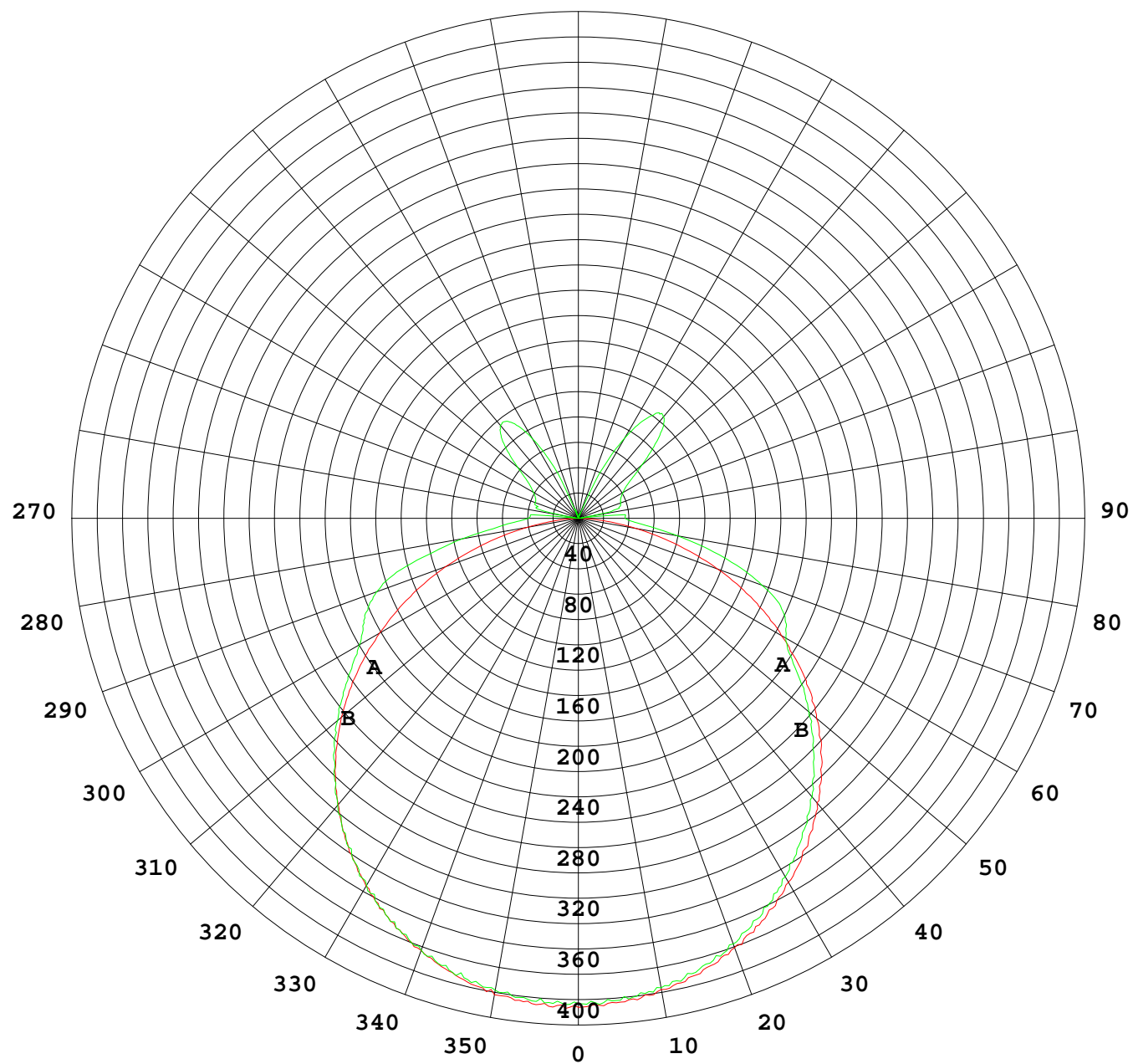
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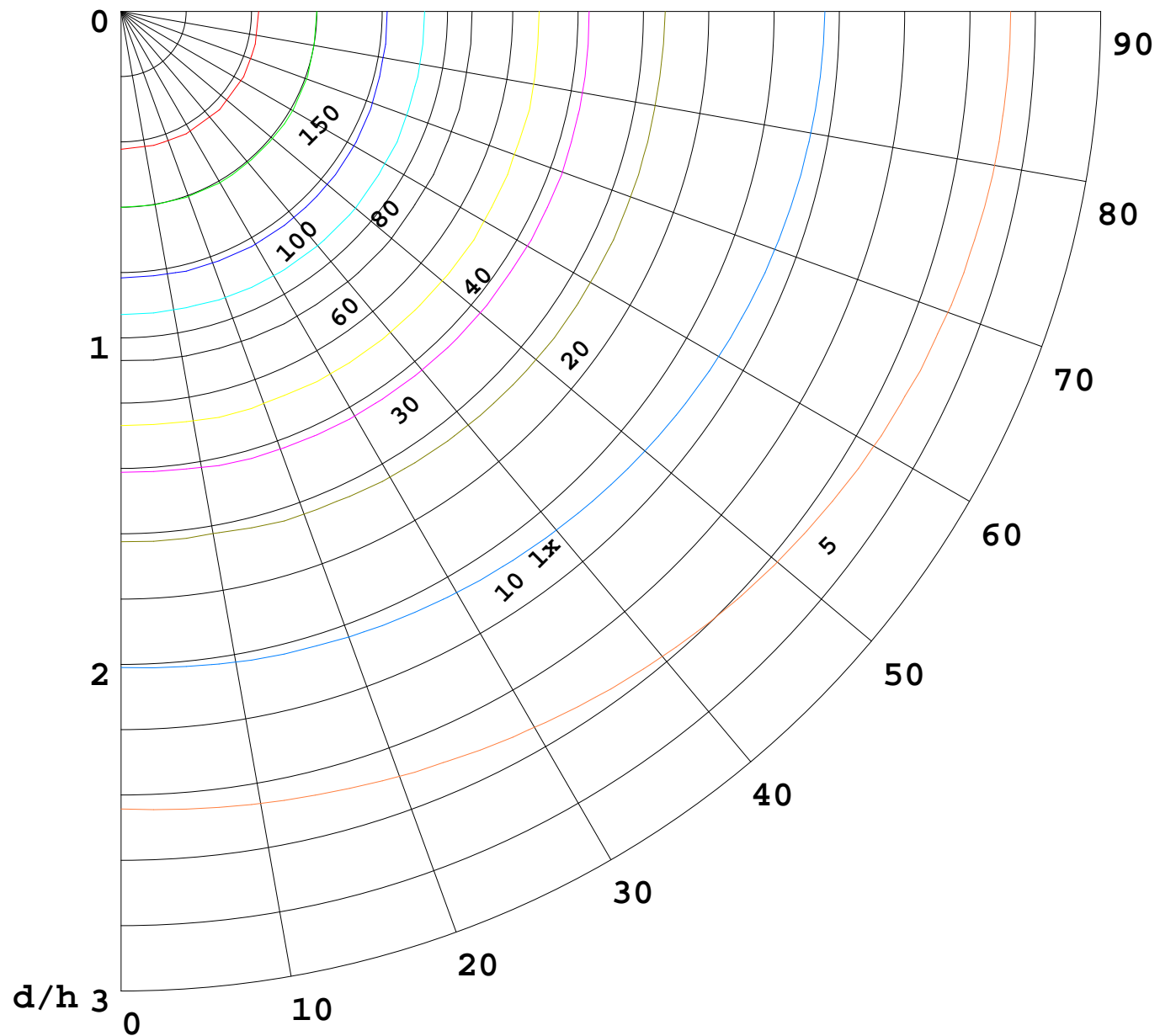
Assessor: Akin Xu

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

