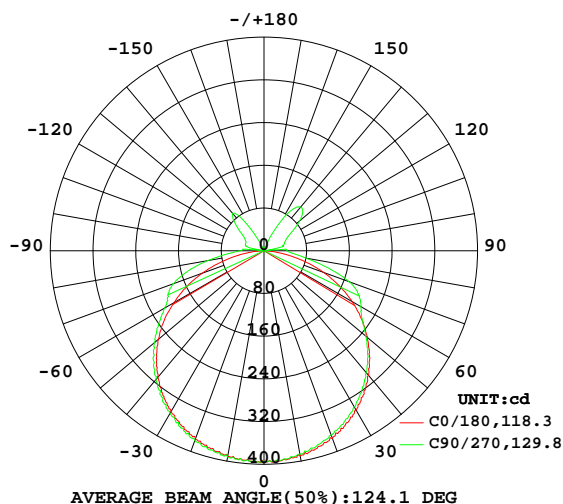


LUMINAIRE PHOTOMETRIC TEST REPORT

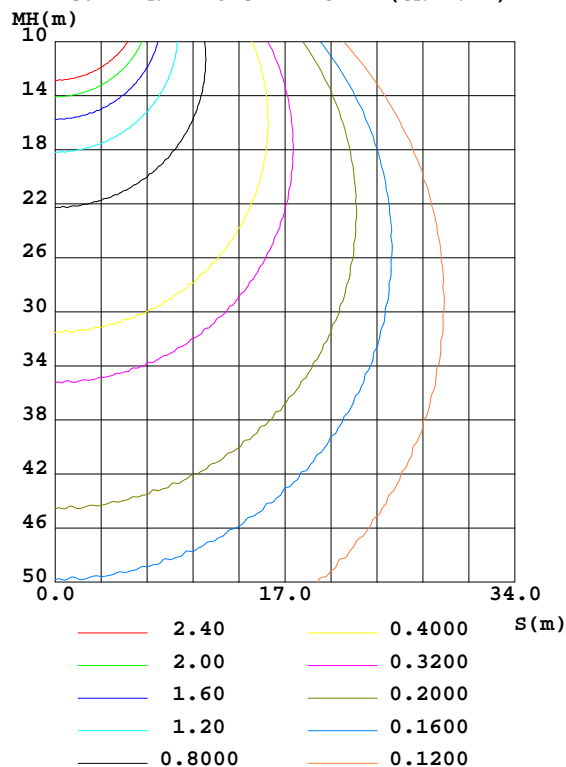
Test:U:100.21V I:0.1383A P:12.557W PF:0.9061 Freq:60.00Hz Lamp Flux:1459.06x1 lm		
NAME: LED rope light and tape light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 116.20 lm/W			
MODEIR125-2835HY-144L-5000K		Imax(cd)	400.0	S/MH(C0/180)	1.31
NOMINAL POWER(W)	13	LOR(%)	100.0	S/MH(C90/270)	1.32
RATED VOLTAGE(V)	100	TOTAL FLUX(lm)	1459.1	η UP,DN(C0-180)	6.3,43.3
NOMINAL FLUX(lm)	1459.06	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	5.0,45.4
LAMPS INSIDE	1	η up(%)	11.3	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	100	η down(%)	88.7	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	390.3	389.1	387.1	389.2	391.0	392.3	392.4	391.7	0- 10	37.54	37.54	2.57,2.57
20	374.2	368.9	367.5	369.5	375.3	377.0	378.6	378.2	10- 20	108.3	145.9	10,10
30	345.2	340.7	337.6	340.8	348.7	352.0	352.1	351.9	20- 30	166.7	312.6	21.4,21.4
40	304.5	299.9	297.4	302.2	309.7	315.1	315.5	313.6	30- 40	205.3	517.9	35.5,35.5
50	252.9	249.7	248.2	252.8	258.5	266.2	268.4	263.9	40- 50	218.9	736.7	50.5,50.5
60	190.5	194.1	209.0	196.6	195.5	208.3	215.0	206.4	50- 60	206.0	942.7	64.6,64.6
70	118.5	147.0	169.1	150.7	123.6	158.5	181.6	159.2	60- 70	175.6	1118	76.6,76.6
80	43.53	73.00	79.88	77.64	48.63	95.26	106.9	93.28	70- 80	122.6	1241	85.1,85.1
90	0.3410	34.84	42.86	36.58	1.398	36.56	44.55	36.23	80- 90	53.55	1294	88.7,88.7
100	0.2624	25.44	6.414	25.68	0.2755	24.13	1.742	24.41	90-100	17.30	1312	89.9,89.9
110	0.4566	29.84	40.38	31.38	0.4250	27.73	37.17	27.59	100-110	23.21	1335	91.5,91.5
120	0.5393	42.18	51.08	44.78	0.5586	33.46	40.45	33.83	110-120	26.40	1361	93.3,93.3
130	0.5672	63.10	86.78	68.00	0.5918	53.62	62.16	53.90	120-130	33.74	1395	95.6,95.6
140	0.5854	59.21	106.8	63.88	0.5882	44.49	91.31	40.26	130-140	37.66	1433	98.2,98.2
150	0.5345	0.5673	66.06	5.776	0.6456	0.6278	36.80	0.6196	140-150	22.55	1455	99.7,99.7
160	0.5566	2.133	0.5459	2.859	0.6403	0.8566	0.5987	0.7374	150-160	3.330	1459	100,100
170	0.5759	0.6451	0.8780	0.6366	0.6280	0.6423	0.5637	0.5904	160-170	0.3297	1459	100,100
180	0.6436	0.6442	0.6733	0.6222	0.6455	0.6453	0.6700	0.6230	170-180	0.0626	1459	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 627.25 lm

%lum = 43.0%

%lamp = 43.0%

Conical surface Flux(120deg): 942.72 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

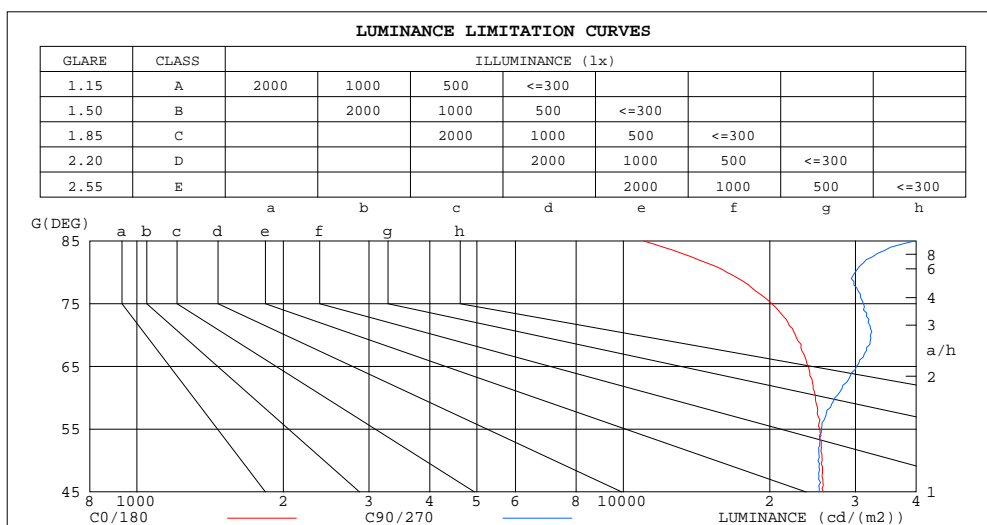
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
 Humidity:60.5%
 Test Distance:2.691m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

LUMINANCE LIMITATION CURVES

Test:U:100.21V I:0.1383A P:12.557W PF:0.9061 Freq:60.00Hz Lamp Flux:1459.06x1 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	11007	39638
80	16333	29948
75	20193	31158
70	22579	32195
65	23970	30151
60	24826	27215
55	25355	25519
50	25633	25138
45	25803	25266

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

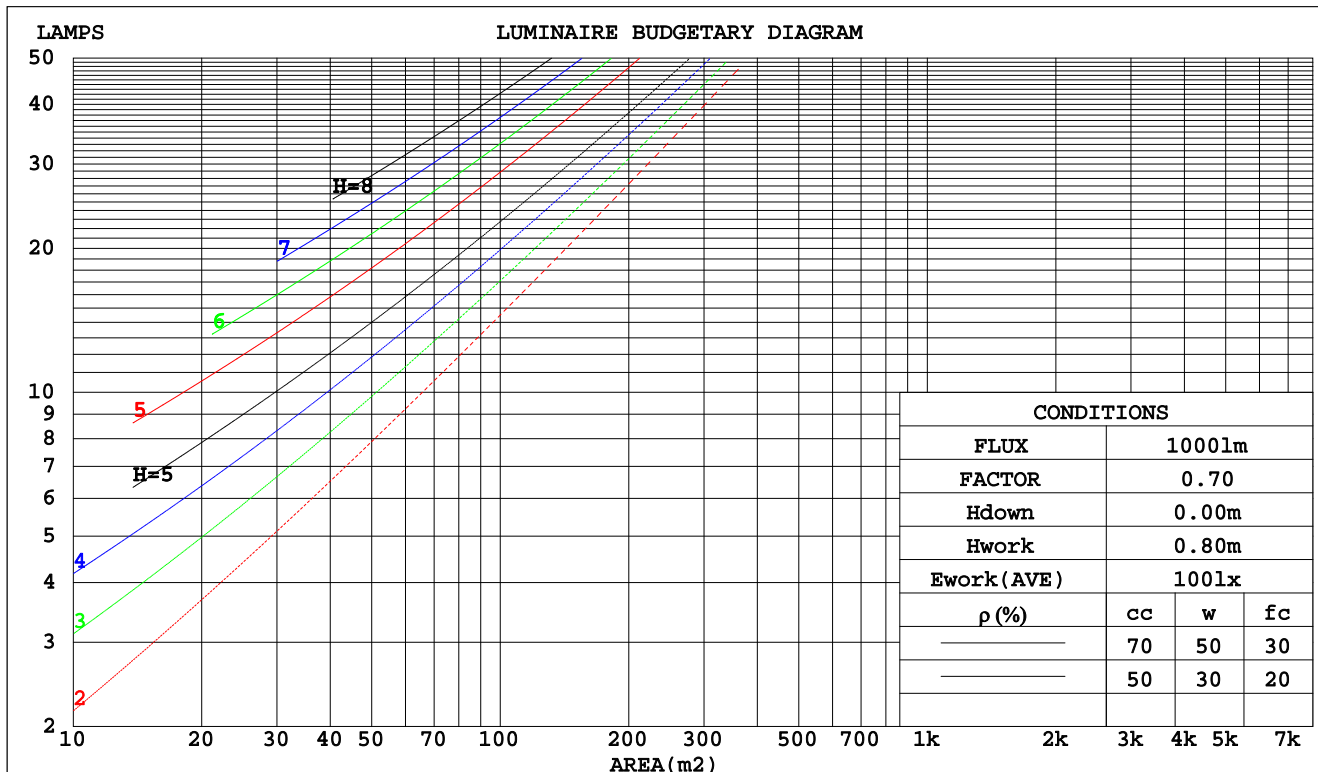
Checker: Near Gao

Assessor: Akin Xu

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:100.21V I:0.1383A P:12.557W PF:0.9061 Freq:60.00Hz Lamp Flux:1459.06x1 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	.92	.92	.92	.89
1.0	.00	.95	.91	.96	.92	.88	.90	.86	.83	.84	.81	.79	.79	.76	.74	.72
2.0	.86	.79	.73	.83	.76	.71	.78	.72	.67	.73	.68	.64	.68	.64	.61	.58
3.0	.75	.66	.60	.72	.65	.58	.68	.61	.56	.64	.58	.53	.60	.55	.51	.48
4.0	.66	.57	.50	.64	.55	.49	.60	.53	.47	.56	.50	.45	.53	.48	.43	.41
5.0	.59	.49	.43	.57	.48	.42	.53	.46	.40	.50	.44	.39	.47	.42	.37	.35
6.0	.53	.44	.37	.51	.43	.36	.48	.41	.35	.45	.39	.34	.43	.37	.33	.30
7.0	.48	.39	.32	.46	.38	.32	.44	.36	.31	.41	.35	.30	.39	.33	.29	.27
8.0	.43	.35	.29	.42	.34	.28	.40	.33	.27	.38	.31	.27	.36	.30	.26	.24
9.0	.40	.31	.26	.39	.31	.25	.37	.30	.25	.35	.28	.24	.33	.27	.23	.21
10.0	.36	.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:100.21V I:0.1383A P:12.557W PF:0.9061 Freq:60.00Hz Lamp Flux:1459.06x1 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	.339	.193	.061	.329	.188	.060	.309	.177	.057	.291	.168	.054	.274	.159	.051		
2.0	.309	.169	.052	.299	.165	.051	.282	.157	.049	.265	.149	.047	.250	.141	.045		
3.0	.281	.150	.045	.272	.146	.044	.256	.139	.042	.242	.132	.041	.228	.126	.039		
4.0	.256	.133	.039	.249	.130	.038	.234	.124	.037	.221	.119	.036	.209	.113	.035		
5.0	.235	.120	.035	.228	.117	.034	.215	.112	.033	.203	.107	.032	.192	.103	.031		
6.0	.217	.109	.031	.211	.106	.031	.199	.102	.030	.188	.098	.029	.178	.093	.028		
7.0	.201	.099	.028	.195	.097	.028	.185	.093	.027	.175	.090	.026	.165	.086	.025		
8.0	.187	.091	.026	.182	.090	.025	.172	.086	.025	.163	.083	.024	.154	.079	.023		
9.0	.175	.085	.024	.170	.083	.023	.161	.080	.023	.153	.077	.022	.145	.074	.021		
10.0	.164	.079	.022	.160	.077	.022	.152	.074	.021	.144	.071	.020	.136	.069	.020		

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	.276	.276	.276	.236	.236	.236	.161	.161	.161	.093	.093	.093	.030	.030	.030	
1.0	.269	.243	.219	.230	.208	.188	.157	.143	.130	.091	.083	.076	.029	.027	.024	
2.0	.262	.219	.183	.224	.189	.158	.154	.130	.110	.089	.076	.065	.028	.025	.021	
3.0	.254	.202	.160	.218	.174	.139	.150	.121	.098	.086	.071	.058	.028	.023	.019	
4.0	.247	.189	.145	.212	.164	.126	.146	.114	.089	.084	.067	.053	.027	.022	.017	
5.0	.239	.179	.135	.205	.155	.117	.142	.108	.083	.082	.064	.049	.026	.021	.016	
6.0	.232	.171	.127	.199	.148	.111	.138	.104	.078	.080	.061	.047	.026	.020	.015	
7.0	.225	.164	.122	.194	.142	.106	.134	.100	.075	.078	.059	.045	.025	.019	.015	
8.0	.219	.159	.118	.188	.138	.103	.130	.097	.073	.076	.057	.043	.025	.019	.014	
9.0	.212	.154	.114	.183	.134	.100	.127	.094	.071	.074	.055	.042	.024	.018	.014	
10.0	.207	.150	.112	.178	.130	.097	.124	.091	.069	.072	.054	.041	.023	.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:100.21V I:0.1383A P:12.557W PF:0.9061 Freq:60.00Hz Lamp Flux:1459.06x1 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	24.9	26.2	25.3	26.6	27.1	25.9	27.2	26.4	27.6	28.1
	4H	25.5	26.7	25.9	27.2	27.6	26.8	28.1	27.3	28.5	29.0
	6H	25.9	27.0	26.3	27.5	28.0	27.5	28.7	28.0	29.1	29.7
	8H	25.9	27.1	26.4	27.5	28.1	27.8	28.9	28.3	29.4	29.9
	12H	26.0	27.0	26.5	27.5	28.1	28.1	29.2	28.6	29.7	30.2
4H	2H	24.0	25.2	24.5	25.7	26.2	24.2	25.5	24.7	25.9	26.4
	3H	25.8	26.9	26.3	27.4	27.9	26.7	27.8	27.3	28.3	28.9
	4H	26.6	27.5	27.1	28.1	28.6	27.8	28.8	28.3	29.3	29.9
	6H	27.1	28.0	27.6	28.5	29.1	28.6	29.5	29.2	30.0	30.6
	8H	27.2	28.0	27.8	28.6	29.2	29.0	29.8	29.5	30.3	31.0
	12H	27.3	28.0	27.9	28.6	29.3	29.3	30.1	29.9	30.7	31.3
8H	4H	27.0	27.8	27.6	28.4	29.0	28.1	28.9	28.7	29.5	30.1
	6H	27.7	28.4	28.4	29.0	29.7	29.1	29.8	29.7	30.4	31.0
	8H	28.0	28.6	28.6	29.2	29.9	29.6	30.2	30.2	30.8	31.5
	12H	28.2	28.7	28.8	29.3	30.0	30.1	30.6	30.7	31.3	32.0
12H	4H	27.1	27.8	27.7	28.4	29.0	28.1	28.8	28.7	29.4	30.1
	6H	27.9	28.5	28.5	29.1	29.8	29.1	29.7	29.8	30.4	31.0
	8H	28.2	28.7	28.8	29.4	30.1	29.7	30.2	30.3	30.8	31.6
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	+ 0.1 / - 0.3					+ 0.1 / - 0.3					

CIE Pub.117, 1459 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 1.3$)
 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:100.21V I:0.1383A P:12.557W PF:0.9061 Freq:60.00Hz Lamp Flux:1459.06x1 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	32	26
0.80	62	50	42	60	49	42	58	47	41	33
1.00	70	58	50	68	57	50	65	58	48	40
1.25	77	66	58	75	64	57	71	62	55	46
1.50	82	71	63	80	70	63	75	67	61	51
2.00	89	80	72	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	71
5.00	104	98	94	101	96	91	94	90	87	74
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

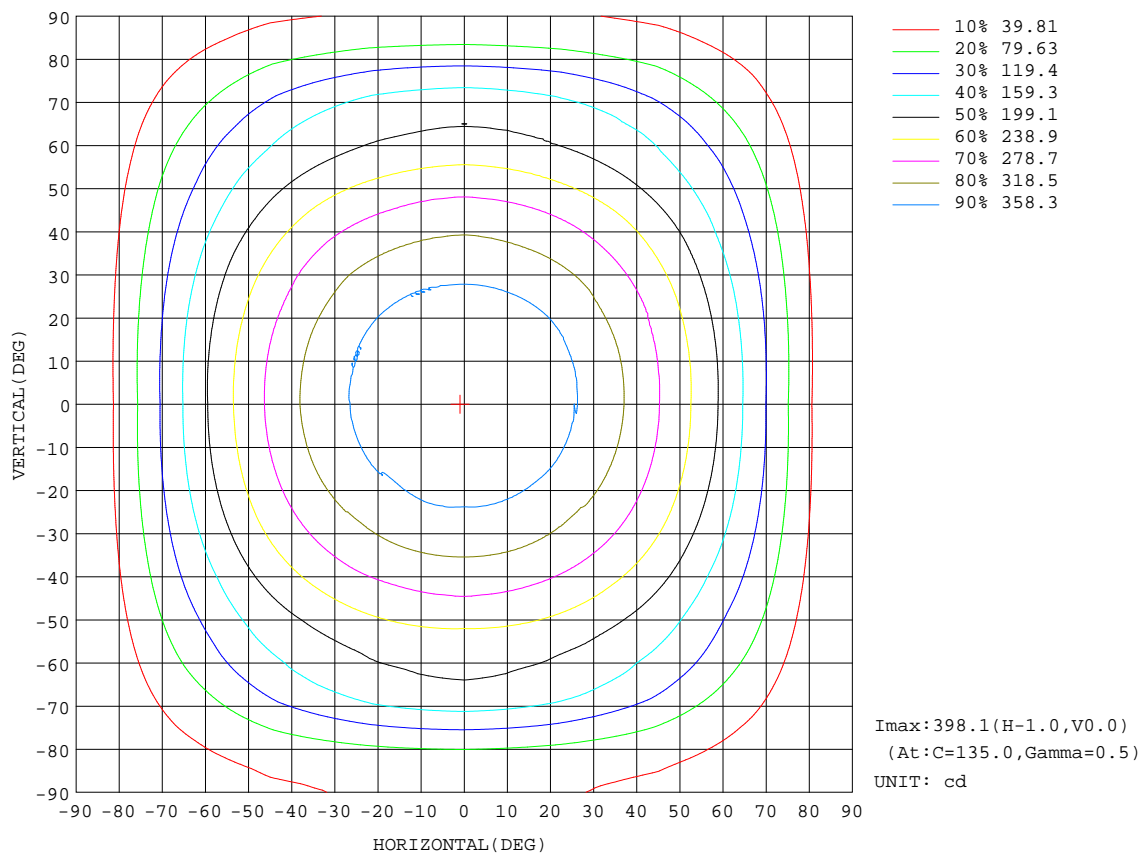
Checker: Near Gao

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:100.21V I:0.1383A P:12.557W PF:0.9061 Freq:60.00Hz Lamp Flux:1459.06x1 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

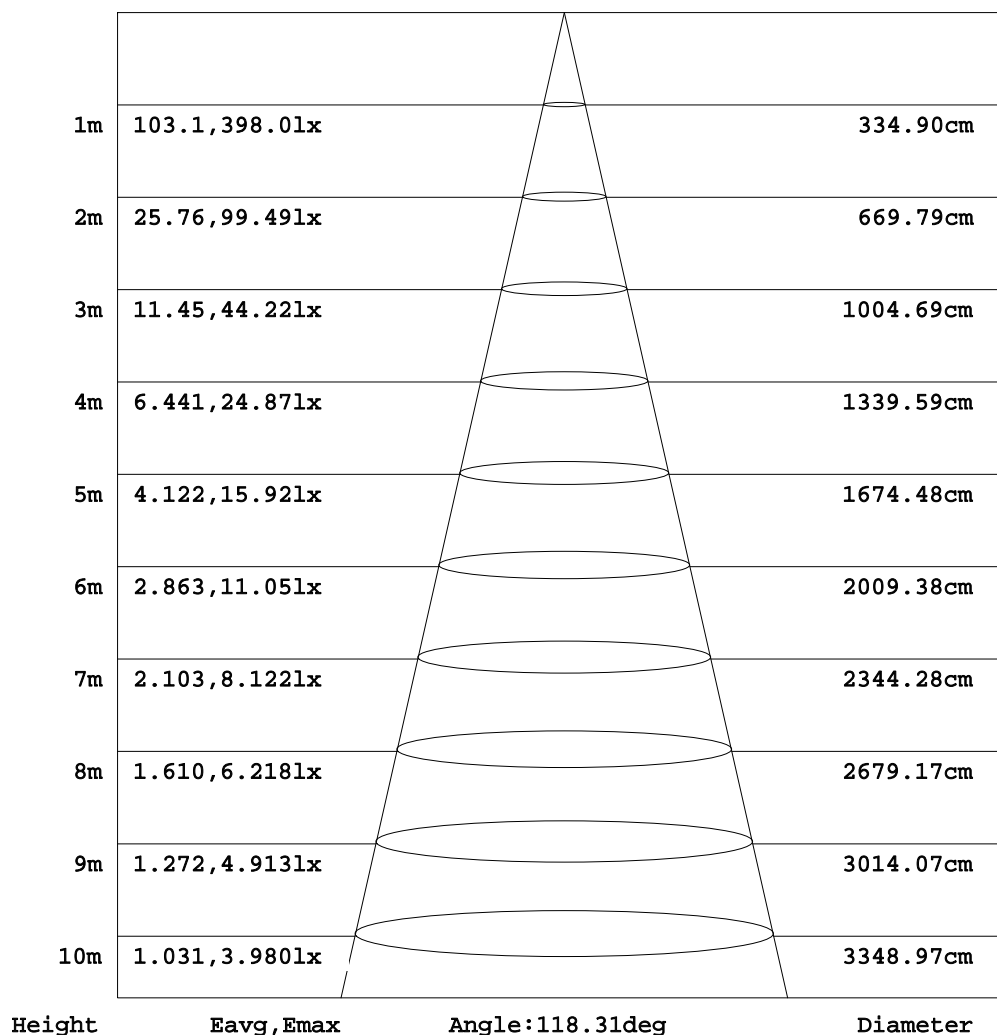
Checker: Near Gao

Assessor: Akin Xu

AAI Figure

Test:U:100.21V I:0.1383A P:12.557W PF:0.9061 Freq:60.00Hz Lamp Flux:1459.06x1 lm		
NAME: LED rope light and tape light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:933.1 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

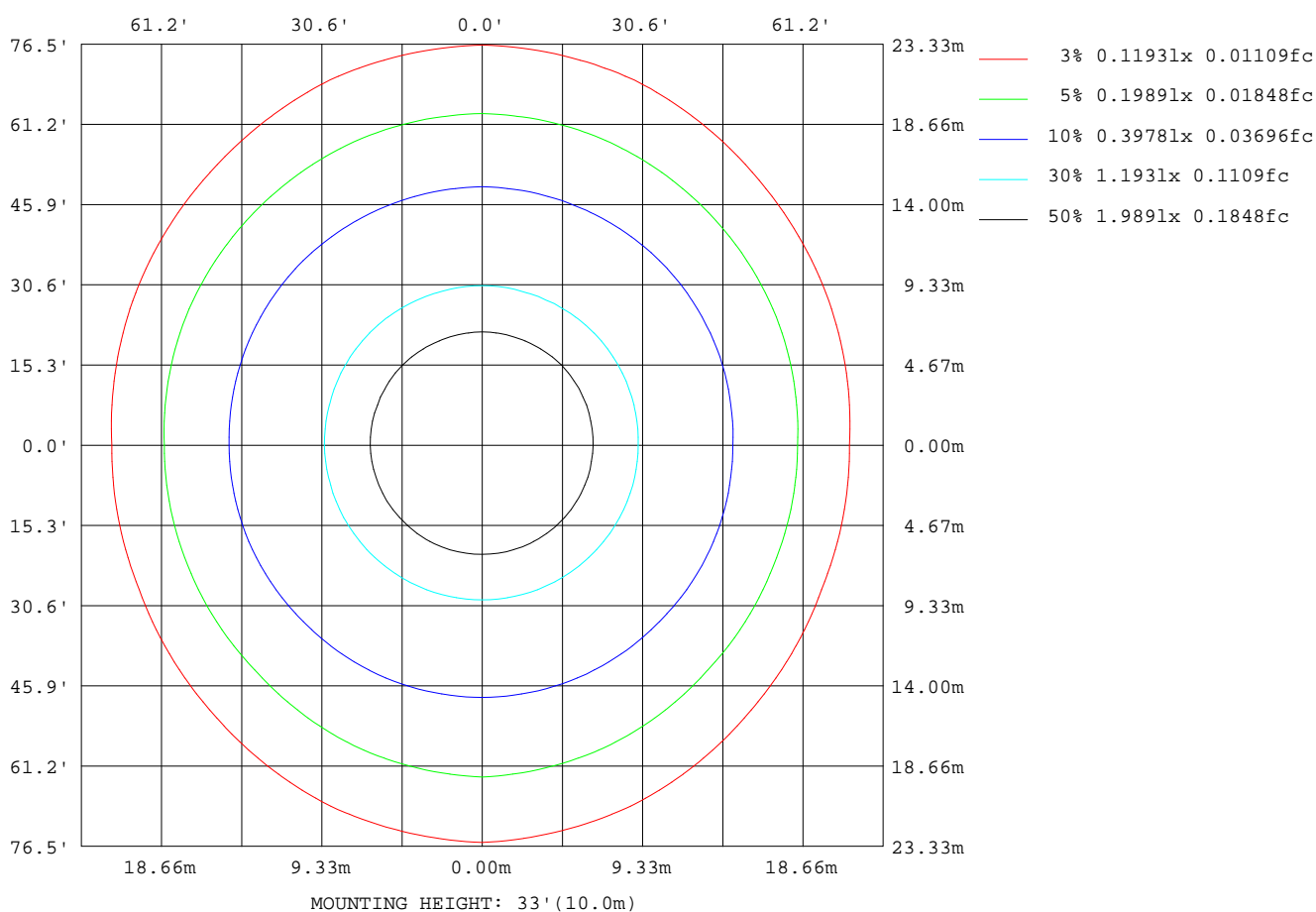
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:60.5%
Test Distance:2.691m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu

ISOLUX DIAGRAM

Test:U:100.21V I:0.1383A P:12.557W PF:0.9061 Freq:60.00Hz Lamp Flux:1459.06x1 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:100.21V I:0.1383A P:12.557W PF:0.9061 Freq:60.00Hz Lamp Flux:1459.06x1 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	24270
L_0~180(75)av	20679
L_0~180(85)av	12312
L_90~270(65)av	30303
L_90~270(75)av	34095
L_90~270(85)av	45287
L_45(65)av	27093
L_45(75)av	30958
L_45(85)av	38894

Standard: GB/T 29293-2012

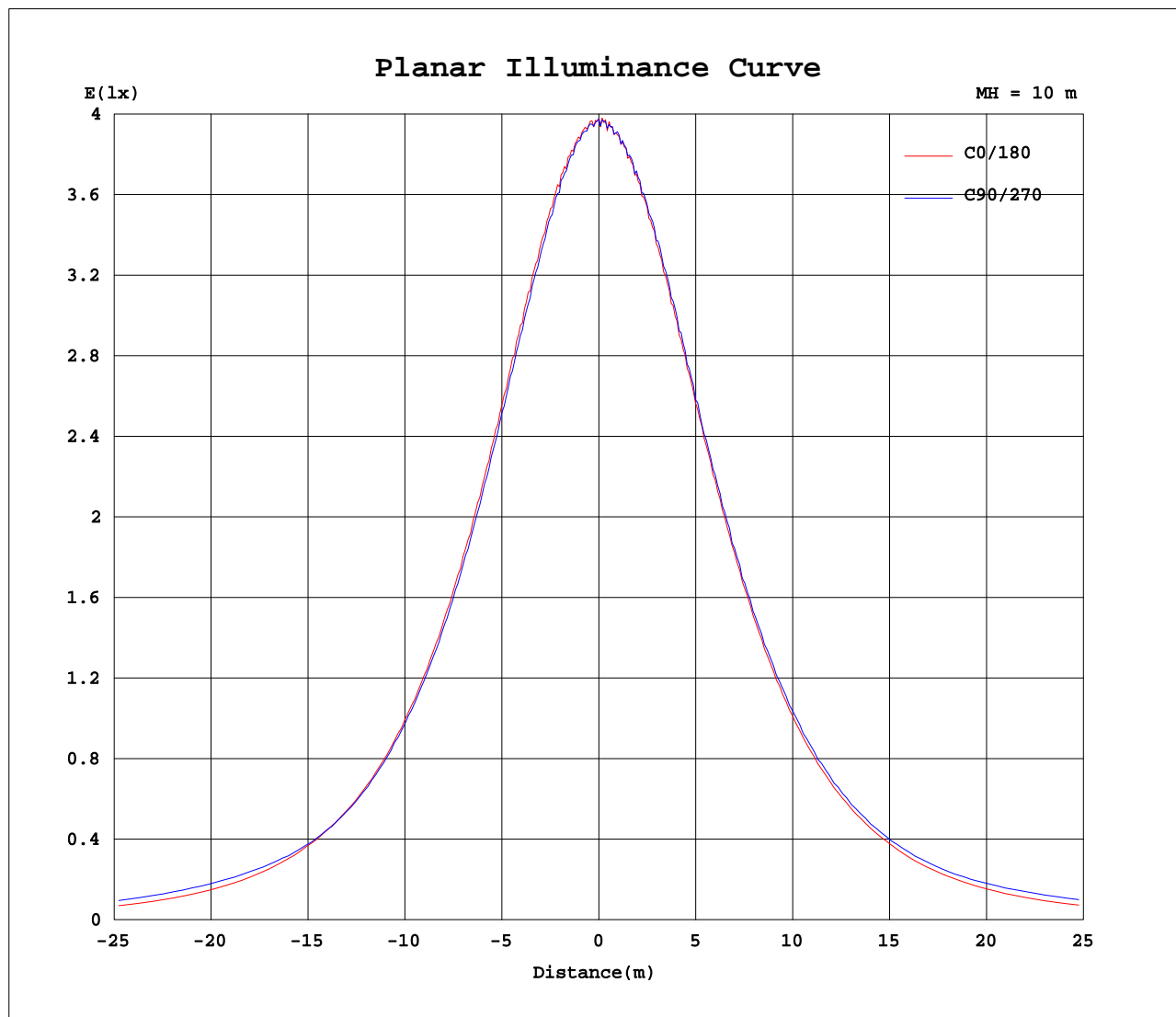
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2023-08-30

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

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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]
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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:100.21V I:0.1383A P:12.557W PF:0.9061 Freq:60.00Hz Lamp Flux:1459.06x1 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	397	397	397	397	397	397	397	397	397	397	397	397	397	397	397	397			
5	394	393	393	395	393	394	396	397	394	393	395	396	394	396	398	396			
10	390	391	389	390	387	388	389	390	391	392	392	393	392	392	392	390			
15	384	381	380	380	379	380	384	385	384	383	385	388	386	386	389	386			
20	374	373	369	370	367	369	370	373	375	377	377	379	379	379	378	374			
25	361	358	356	357	354	356	360	361	363	363	366	368	367	366	369	364			
30	345	342	341	341	338	340	341	345	349	350	352	352	352	351	352	347			
35	327	324	321	321	320	321	325	328	330	331	334	335	335	333	335	331			
40	304	302	300	300	297	300	302	306	310	312	315	314	316	313	314	308			
45	280	278	276	276	274	276	280	283	285	287	291	292	292	291	291	287			
50	253	252	250	251	248	251	253	257	258	263	266	267	268	266	264	258			
55	223	224	222	225	225	225	226	229	228	234	238	239	241	239	238	232			
60	191	190	194	203	209	204	197	196	195	204	208	212	215	211	206	200			
65	155	158	170	187	196	189	175	164	160	171	180	193	199	194	180	168			
70	119	127	147	165	169	166	151	132	124	139	158	176	182	176	159	136			
75	80.2	95.5	114	121	124	123	119	101	84.6	107	131	145	148	143	130	106			
80	43.5	59.7	73.0	77.9	79.9	79.5	77.6	65.4	48.6	72.2	95.3	104	107	103	93.3	70.0			
85	14.7	31.4	44.9	51.5	53.1	52.7	48.0	35.3	18.3	39.7	58.9	66.3	68.5	65.1	57.0	38.2			
90	0.34	20.1	34.8	41.5	42.9	42.2	36.6	23.1	1.40	21.6	36.6	42.7	44.5	42.4	36.2	21.4			
95	0.20	6.38	0.90	8.40	23.4	16.7	1.08	7.91	0.59	7.91	1.66	36.3	31.7	37.1	0.94	7.27			
100	0.26	9.05	25.4	25.0	6.41	24.1	25.7	11.0	0.28	9.03	24.1	10.3	1.74	5.84	24.4	9.45			
105	0.36	11.6	28.0	31.7	37.0	34.9	29.7	13.8	0.36	11.6	27.0	33.2	34.3	33.3	27.2	12.3			
110	0.46	12.4	29.8	37.3	40.4	38.3	31.4	14.7	0.42	11.7	27.7	34.2	37.2	34.4	27.6	12.0			
115	0.48	14.0	34.2	41.4	44.3	41.9	36.1	16.7	0.48	12.1	29.1	35.4	37.5	35.2	29.3	12.8			
120	0.54	16.0	42.2	49.2	51.1	50.2	44.8	19.7	0.56	13.8	33.5	38.8	40.5	38.7	33.8	12.7			
125	0.60	17.6	54.1	64.1	66.6	66.0	57.1	22.3	0.59	14.7	42.3	46.8	46.8	46.2	43.2	14.2			
130	0.57	4.63	63.1	82.9	86.8	84.3	68.0	21.1	0.59	8.21	53.6	62.1	62.2	61.4	53.9	9.35			
135	0.60	1.51	66.8	93.5	103	96.1	72.2	0.85	0.61	1.05	58.9	78.2	79.8	76.2	56.2	0.76			
140	0.59	4.79	59.2	96.9	107	99.0	63.9	4.87	0.59	1.31	44.5	83.3	91.3	81.3	40.3	1.11			
145	0.53	2.13	39.1	82.1	96.0	82.9	43.7	4.48	0.63	0.86	17.4	61.2	76.3	56.7	17.7	0.80			
150	0.53	1.26	0.57	50.7	66.1	53.5	5.78	1.75	0.65	0.73	0.63	25.0	36.8	24.4	0.62	0.69			
155	0.57	0.74	6.53	7.51	31.0	14.9	5.60	0.85	0.64	0.66	1.24	1.35	10.5	2.09	1.07	0.57			
160	0.56	0.73	2.13	5.64	0.55	5.86	2.86	0.80	0.64	0.69	0.86	1.53	0.60	1.25	0.74	0.70			
165	0.56	0.71	0.77	1.58	2.66	2.08	1.08	0.71	0.61	0.67	0.63	0.74	0.71	0.69	0.62	0.67			
170	0.58	0.66	0.65	0.75	0.88	0.75	0.64	0.69	0.63	0.63	0.64	0.60	0.56	0.57	0.59	0.62			
175	0.68	0.69	0.75	0.71	0.80	0.69	0.70	0.68	0.63	0.64	0.66	0.62	0.65	0.61	0.65	0.67			
180	0.64	0.65	0.64	0.65	0.67	0.63	0.62	0.63	0.65	0.65	0.65	0.65	0.67	0.63	0.62	0.63			

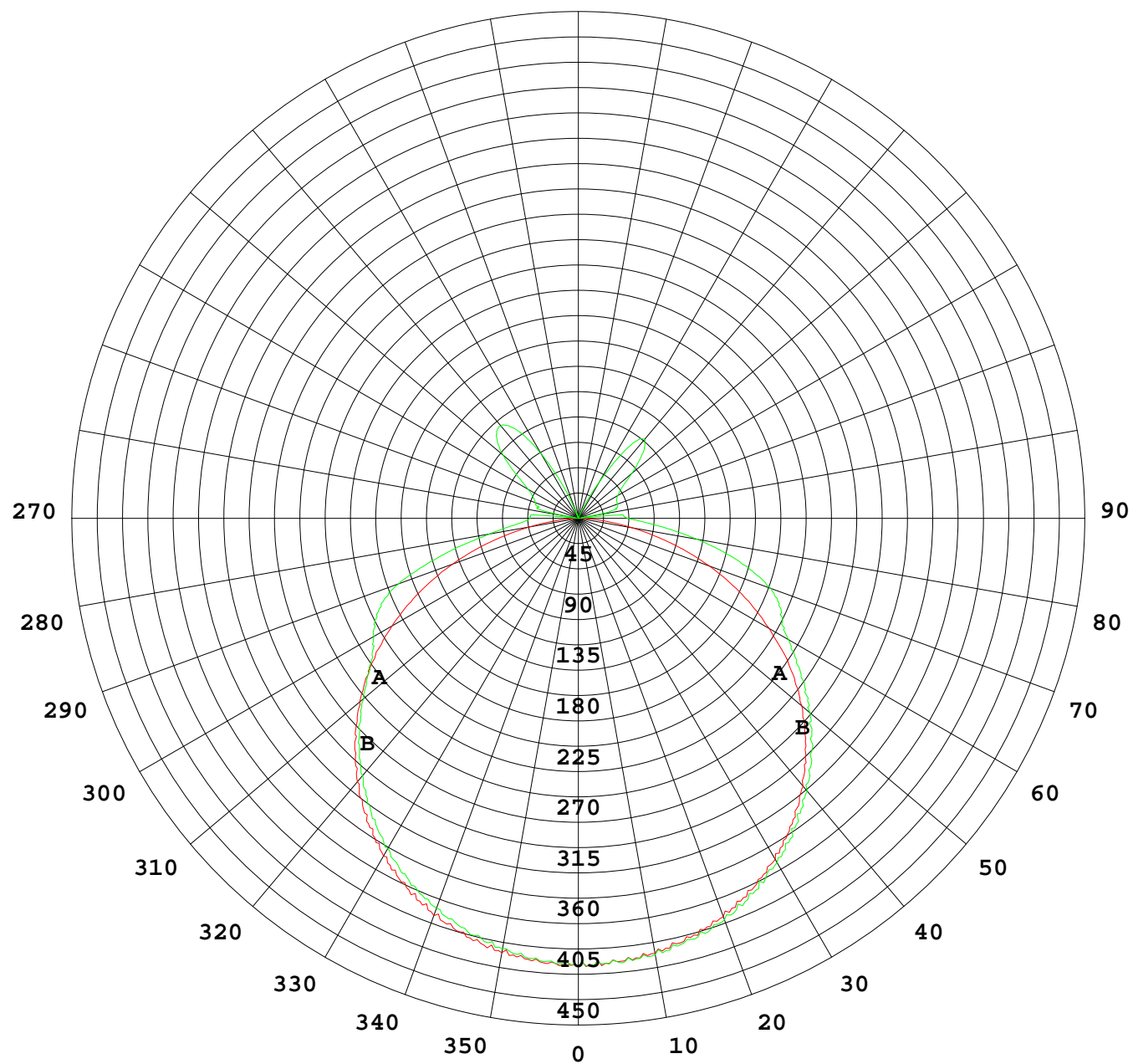
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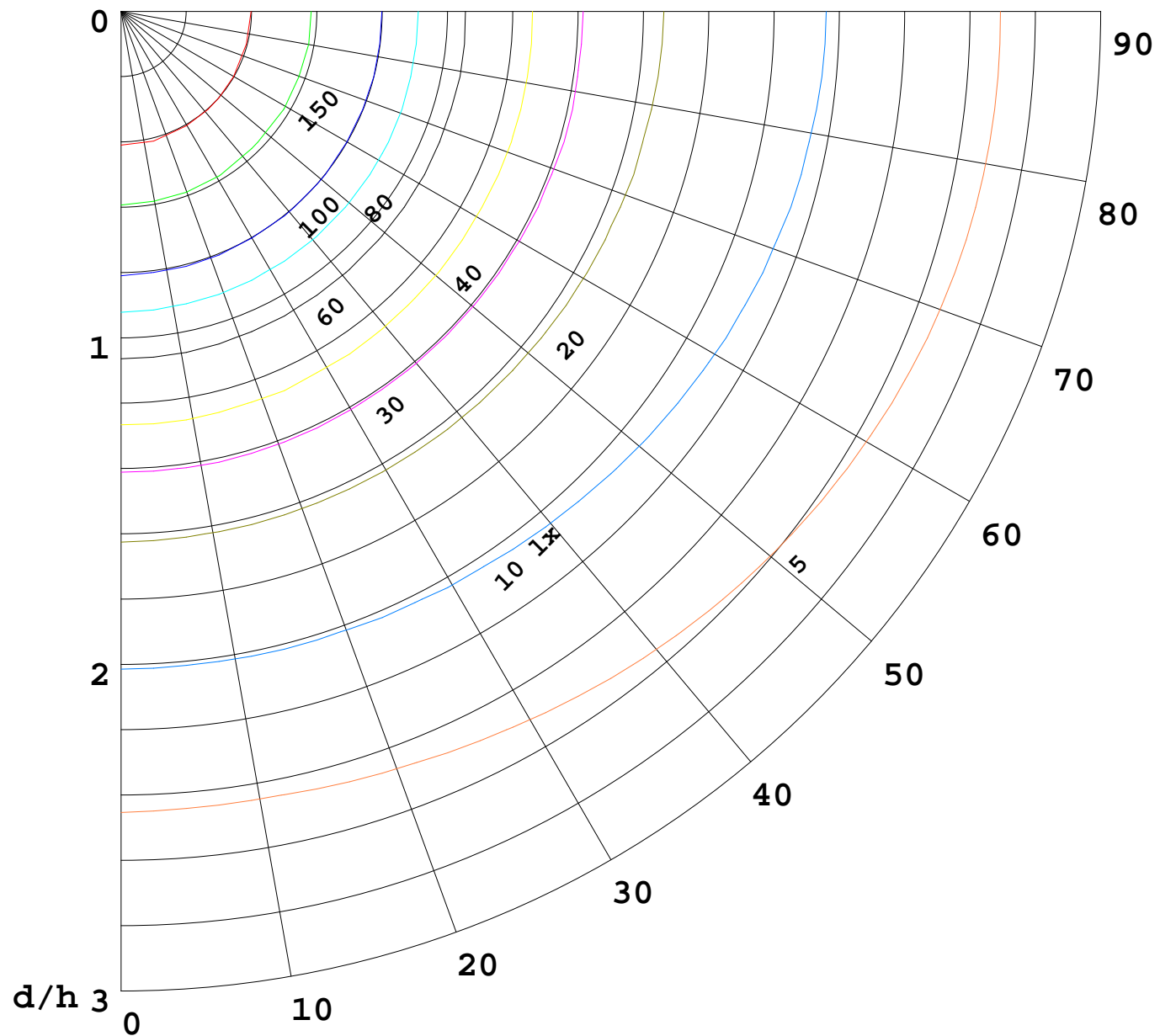
Assessor: Akin Xu

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

