

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: 0
Luminaire Type: U-D336-1-3000K-3W-32°WH
Lamp Type:
Luminous Width: 80 mm
Luminous Length: 80 mm
Luminous Height: 80 mm

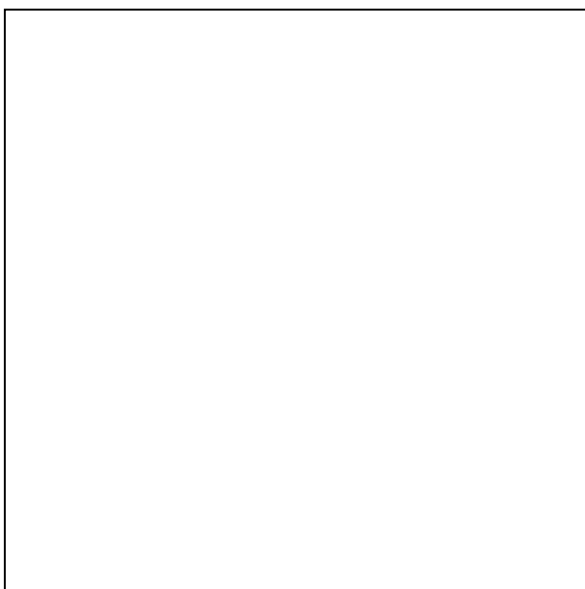
Voltage(V): 221.46 V
Current(A): 0.0261 A
Power(W): 3.21 W
Power Factor: 0.5555
Lamp Luminous Flux: 157.85

Photometric Results

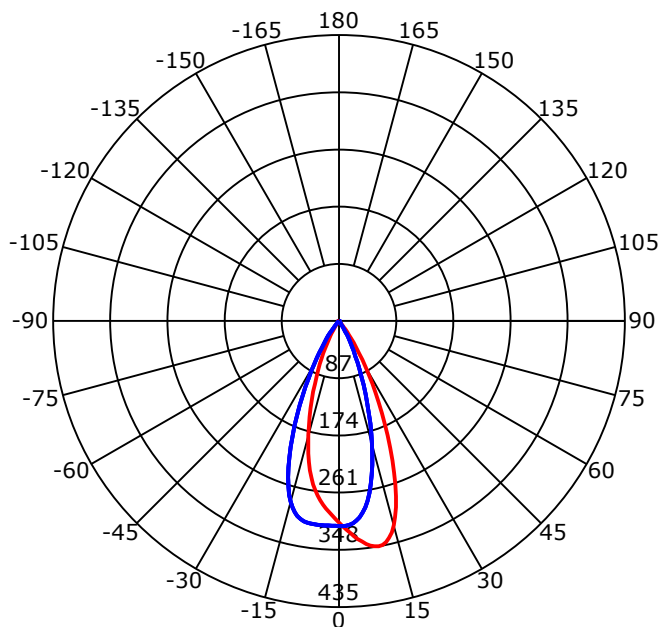
CIE Class: Direct
Luminaire Luminous Flux: 157.8498 lm
Downward Ratio: 100.00%
Luminaire Efficacy Rating(LER): 49.17 lm/W
Beam Angle(50%) C0-180,C90-270: 39.3,41.5
Field Angle(10%) C0-180,C90-270: 63.5,64.2
S/MH C0-180,C90-270: 0.728,0.689

Max. Intensity: 348.25 cd
Max.Intensity Angle: C=0 Gamma=10
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 306.77 cd
Effective Luminous Flux: 148.94 lm
ERP(ϕ use)(120deg): 157.85 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



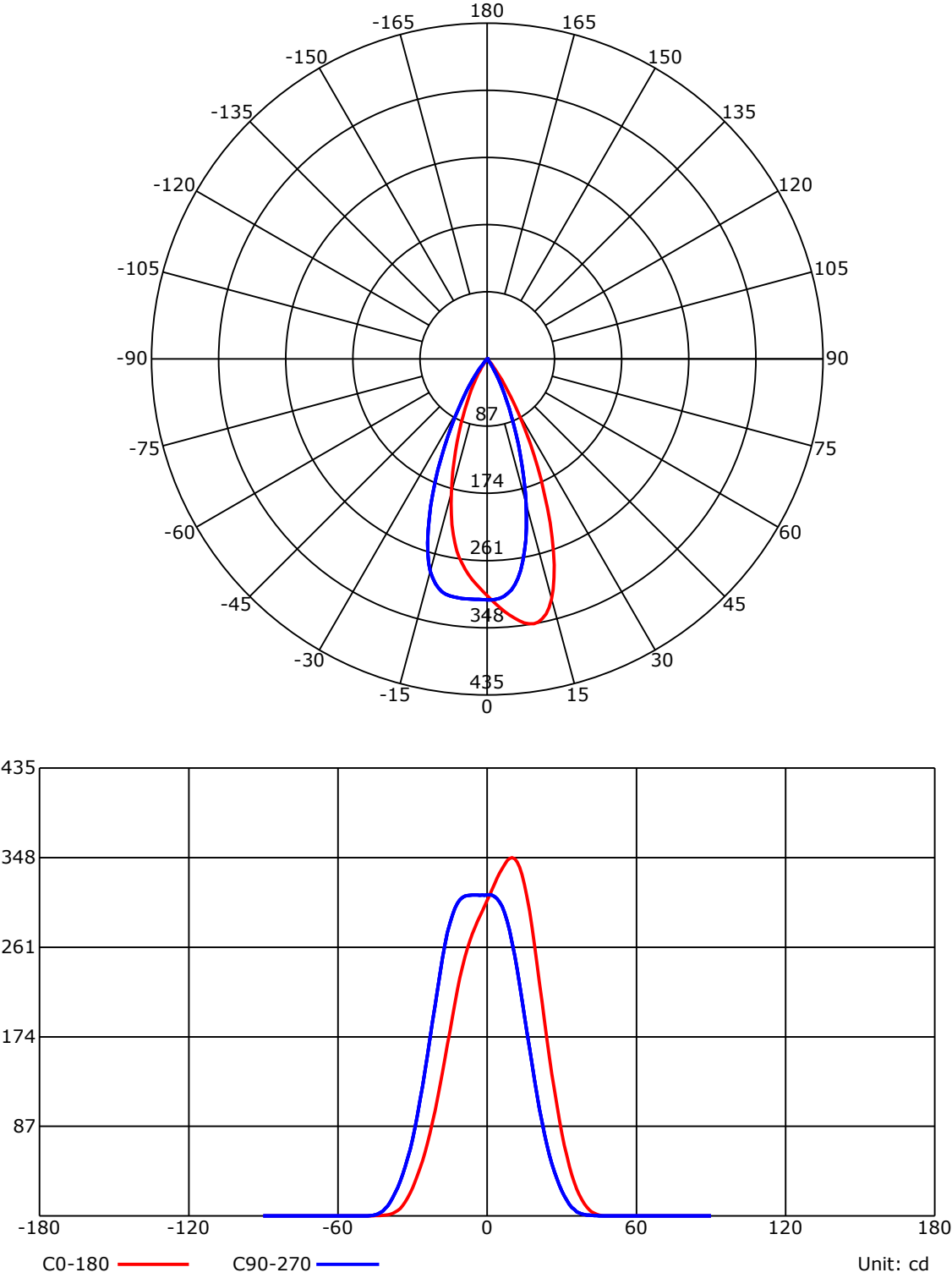
Beam Angle(50%) C0-180,C90-270: 39.3 deg,41.5 deg

C0-180 — C90-270 —

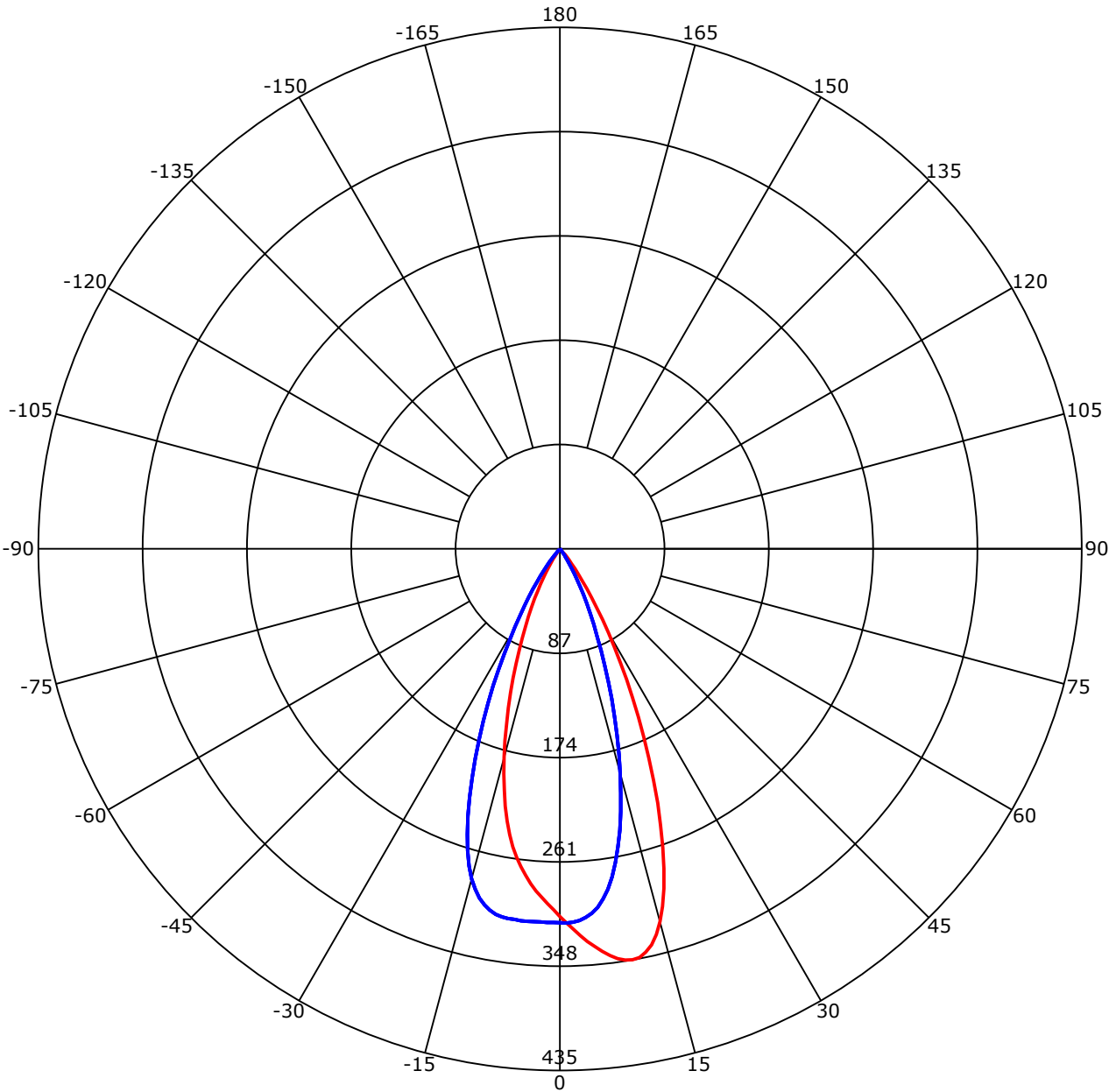
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025/8/6 8:42:51

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity:
Test Distance: 7.91 m
Remarks:

Luminous Intensity Distribution Curve



Luminous Intensity Distribution Curve

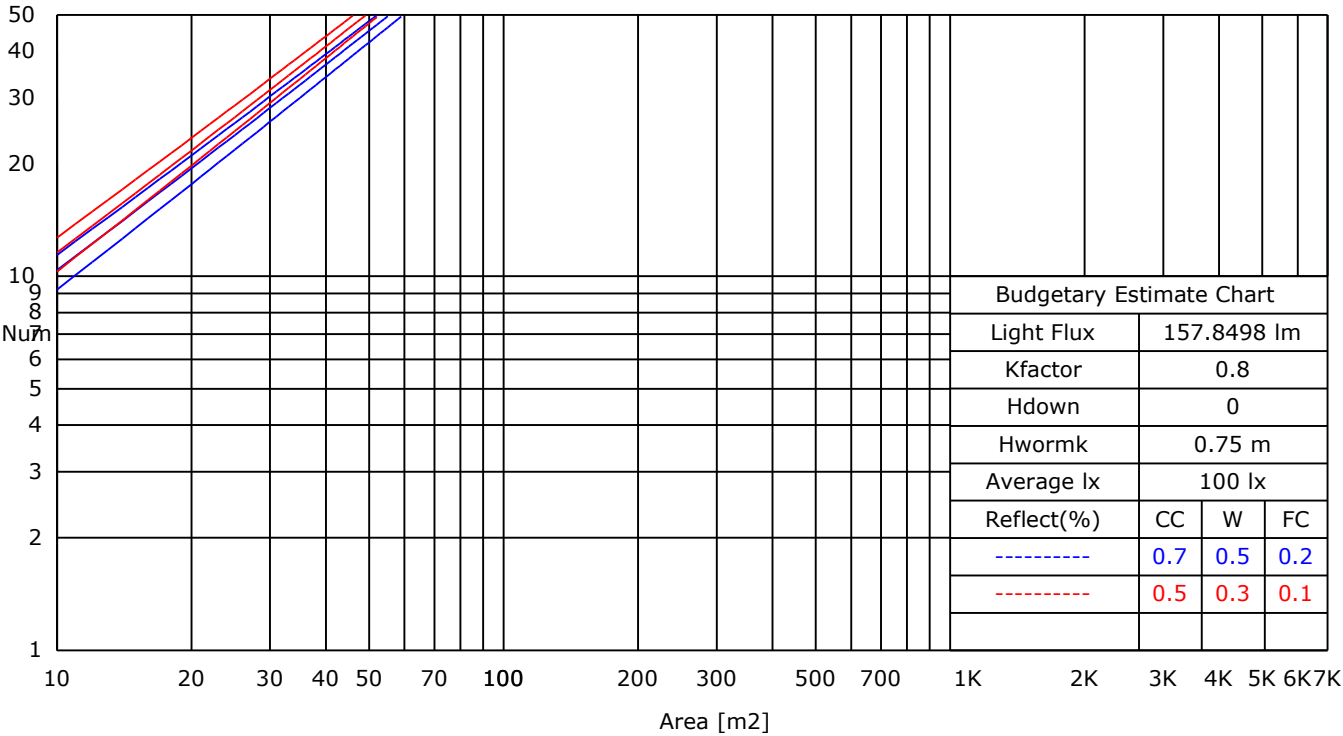


C0-180 C90-270
 Unit: cd/klm

UTILIZATION FACTORS TABLE

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION FOR RHOFC=20															
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	1.02	1.02	1.02	1.00
1	1.00	0.98	0.96	0.99	0.97	0.95	0.96	0.93	0.91	0.91	0.89	0.86	0.85	0.83	0.80	0.75
2	0.97	0.95	0.94	0.96	0.94	0.92	0.93	0.90	0.88	0.89	0.86	0.83	0.84	0.81	0.78	0.73
3	0.94	0.93	0.91	0.93	0.91	0.89	0.91	0.88	0.85	0.87	0.84	0.81	0.82	0.79	0.76	0.71
4	0.92	0.90	0.89	0.91	0.89	0.87	0.88	0.85	0.83	0.85	0.82	0.79	0.81	0.77	0.74	0.70
5	0.90	0.88	0.87	0.89	0.87	0.85	0.86	0.83	0.81	0.83	0.80	0.77	0.79	0.76	0.72	0.69
6	0.88	0.86	0.85	0.87	0.85	0.83	0.84	0.81	0.79	0.81	0.78	0.75	0.78	0.74	0.71	0.67
7	0.86	0.85	0.84	0.85	0.83	0.82	0.82	0.80	0.78	0.80	0.76	0.74	0.76	0.72	0.69	0.66
8	0.84	0.83	0.82	0.83	0.81	0.80	0.81	0.78	0.76	0.78	0.75	0.72	0.75	0.71	0.68	0.65
9	0.83	0.81	0.81	0.81	0.80	0.79	0.79	0.76	0.75	0.76	0.73	0.71	0.73	0.70	0.67	0.63
10	0.81	0.80	0.79	0.80	0.78	0.77	0.77	0.75	0.73	0.75	0.72	0.70	0.72	0.68	0.66	0.62

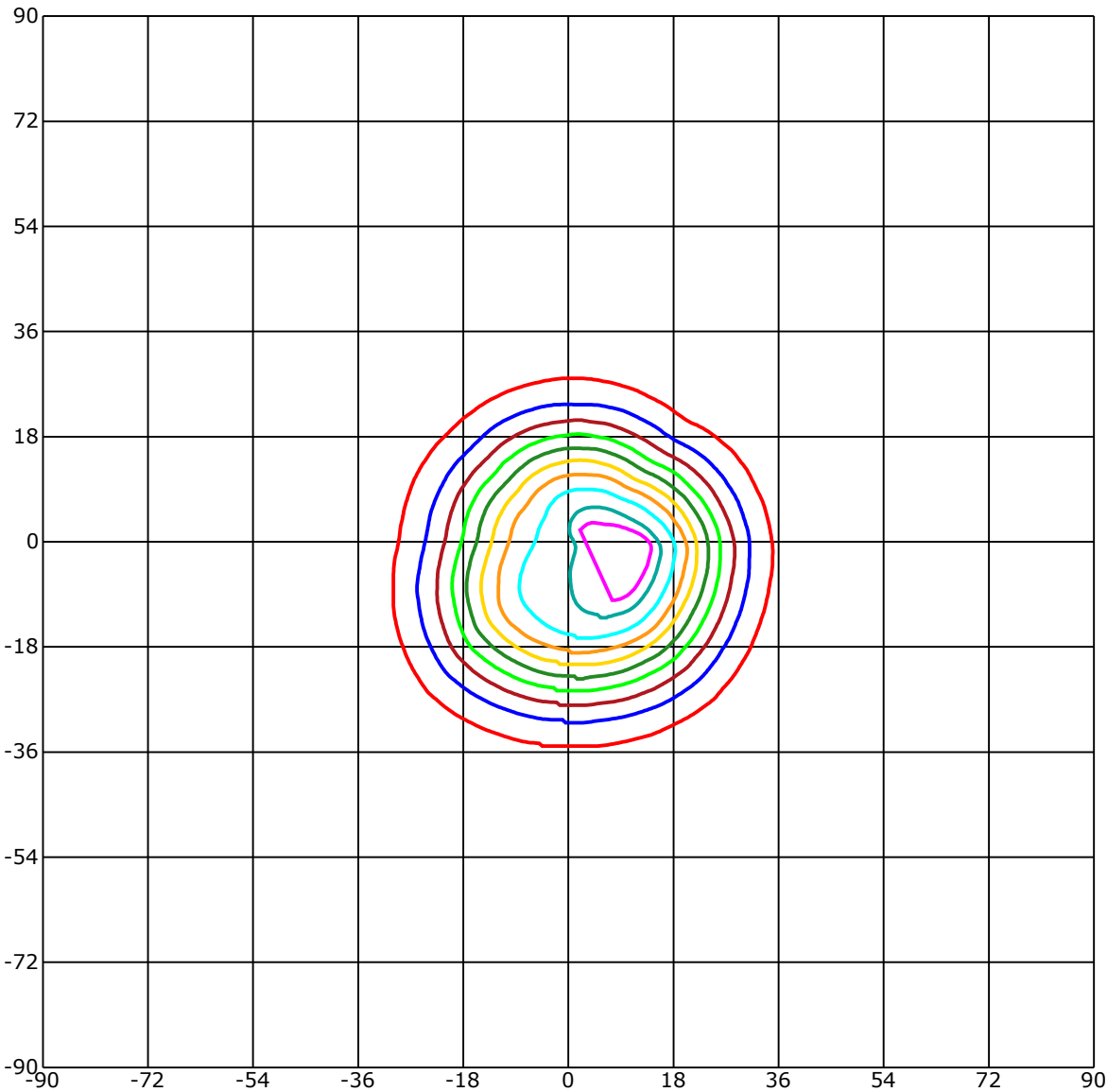
LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
 Test Date: 2025/8/6 8:42:51

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity:
 Test Distance: 7.91 m
 Remarks:

ISOCANDELA DIAGRAM (RECTANGULAR)



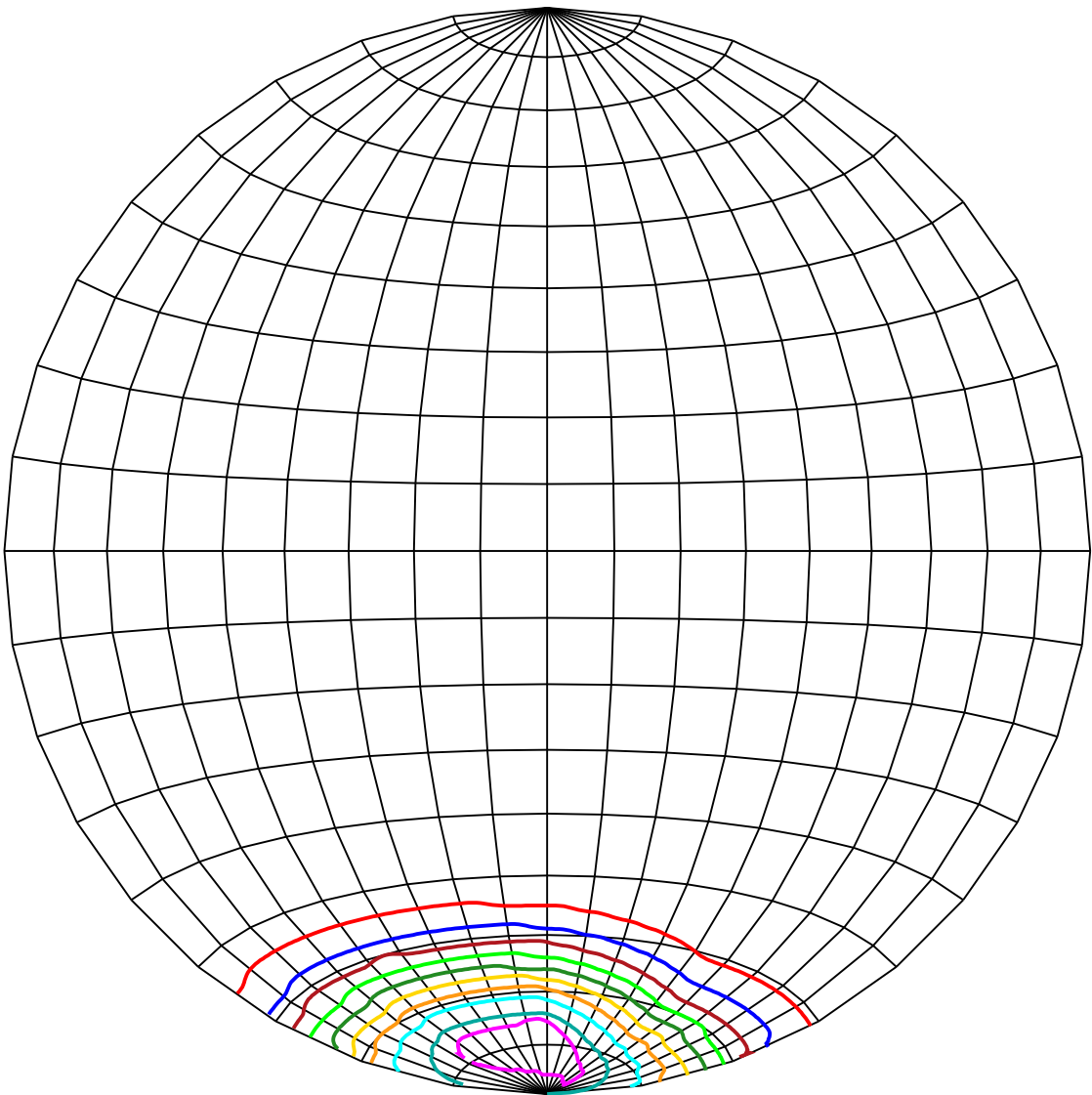
Unit of intensity:cd Imax(100%): 348.254 cd

- | | |
|------------------|------------------|
| 330.841(95%Imax) | 174.127(50%Imax) |
| 313.429(90%Imax) | 139.302(40%Imax) |
| 278.603(80%Imax) | 104.476(30%Imax) |
| 243.778(70%Imax) | 69.651(20%Imax) |
| 208.952(60%Imax) | 34.825(10%Imax) |

C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
 Test Date: 2025/8/6 8:42:51

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity:
 Test Distance: 7.91 m
 Remarks:

ISOCANDELA DIAGRAM (SPHERE)



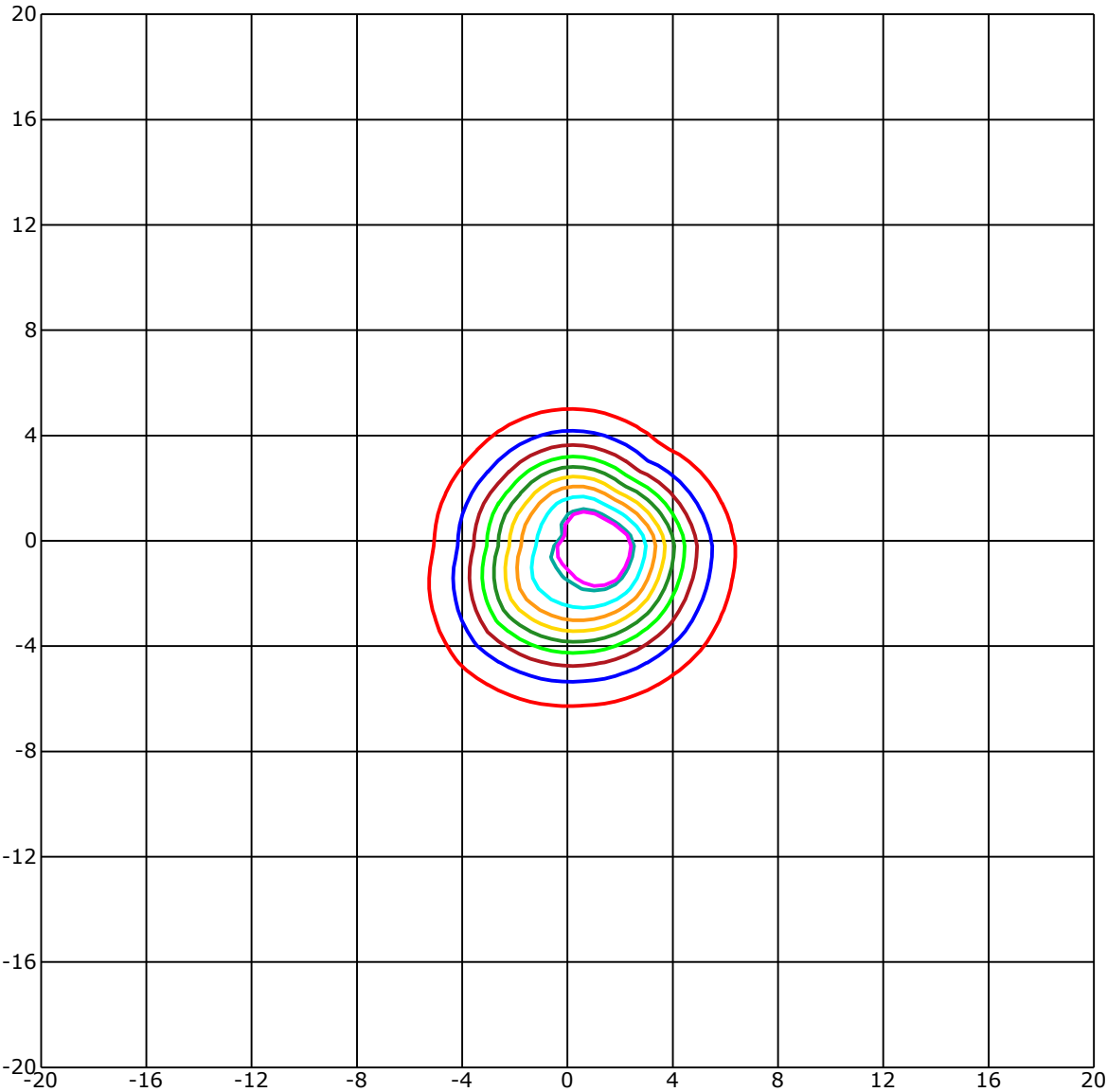
Unit of intensity:cd I_{max}(100%): 348.254 cd

330.841(95%I _{max})	174.127(50%I _{max})
313.429(90%I _{max})	139.302(40%I _{max})
278.603(80%I _{max})	104.476(30%I _{max})
243.778(70%I _{max})	69.651(20%I _{max})
208.952(60%I _{max})	34.825(10%I _{max})

C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
 Test Date: 2025/8/6 8:42:51

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity:
 Test Distance: 7.91 m
 Remarks:

ISOLX DIAGRAM



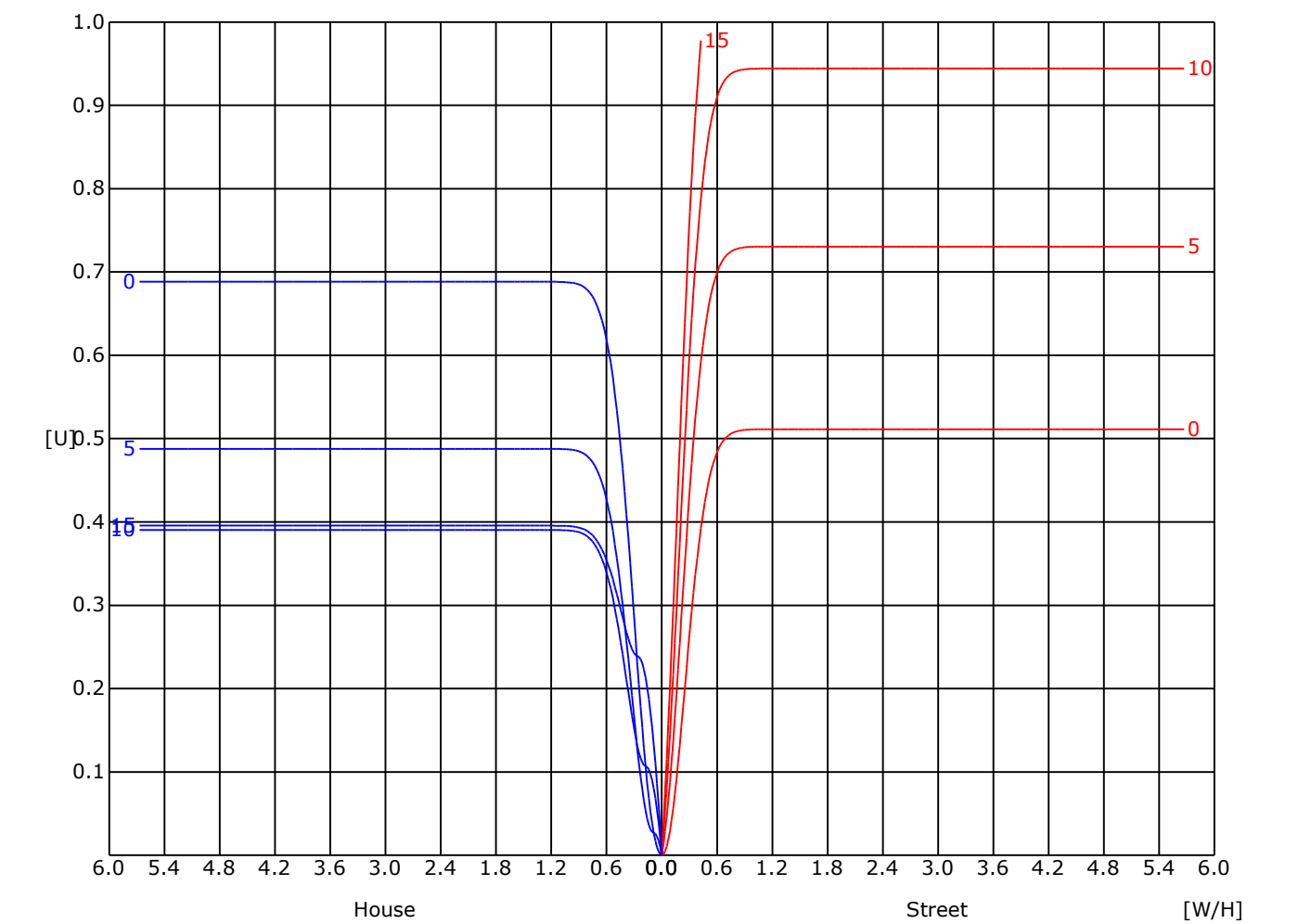
Unit of illumination:lx Height of plane:10.0(m)/32.81(ft)

- | | |
|----------------|----------------|
| 3.085(92%Emax) | 1.677(50%Emax) |
| 3.018(90%Emax) | 1.341(40%Emax) |
| 2.683(80%Emax) | 1.006(30%Emax) |
| 2.347(70%Emax) | 0.671(20%Emax) |
| 2.012(60%Emax) | 0.335(10%Emax) |

C Range: 0 - 360 Deg
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 Test Speed: High
 Temperature:
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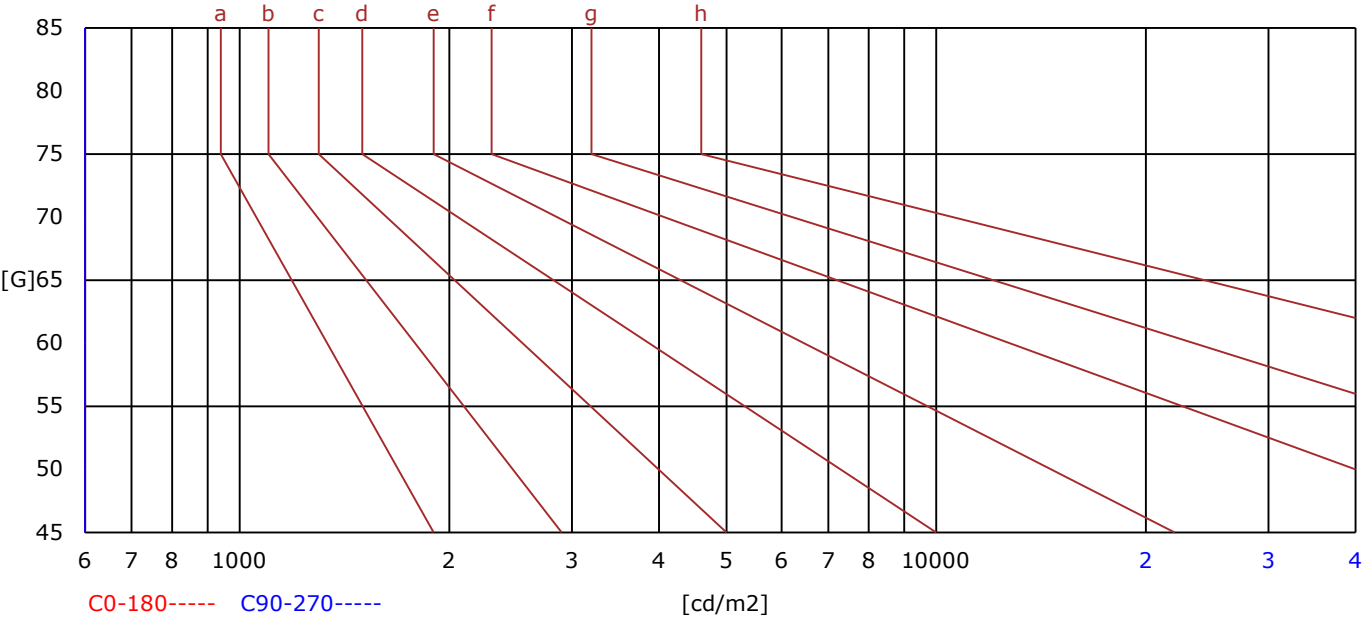
G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity:
 Test Distance: 7.91 m
 Remarks:

UTILIZATION FACTOR DIAGRAM (ROAD)

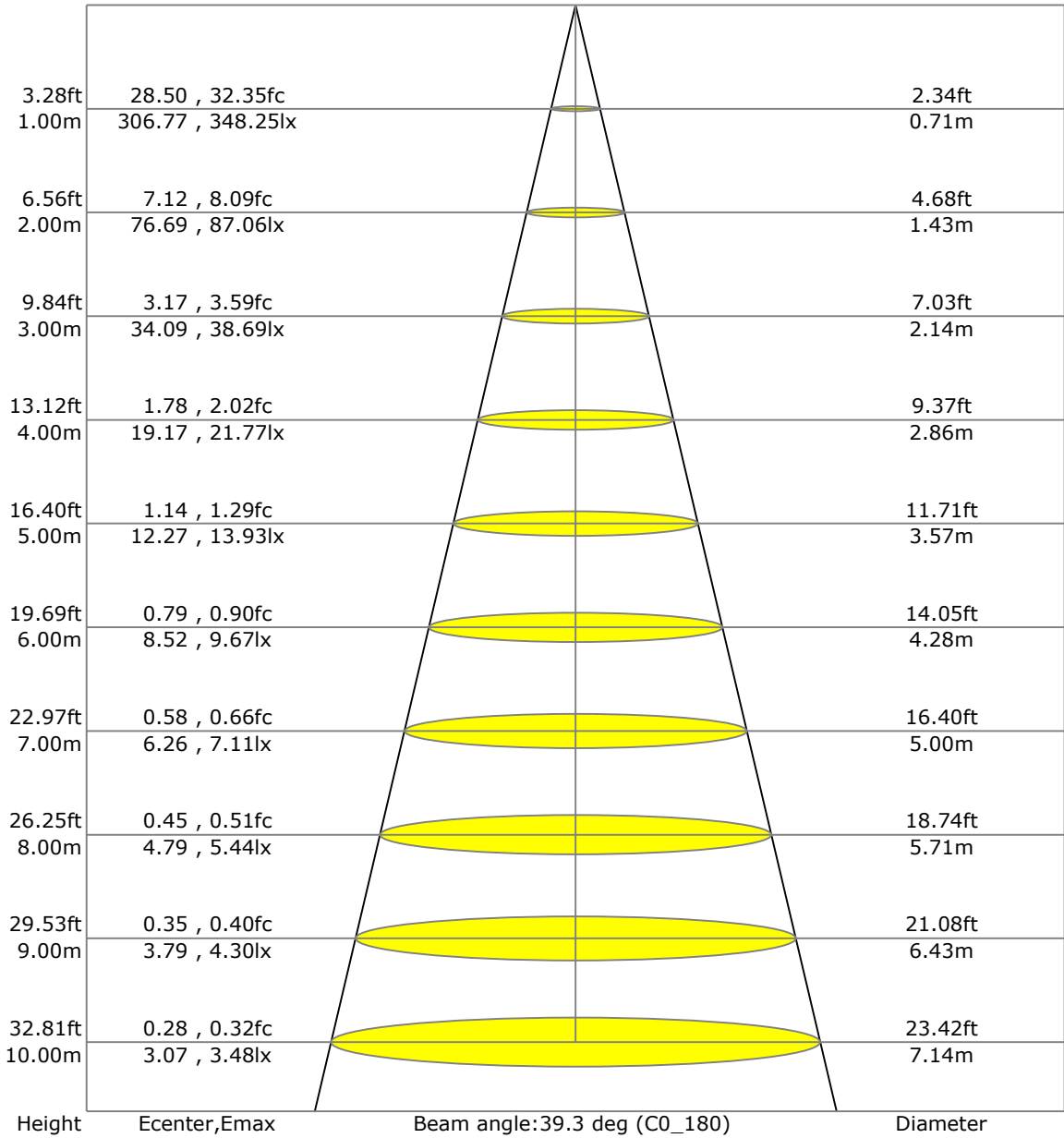


BRIGHT LIMIT DIAGRAM

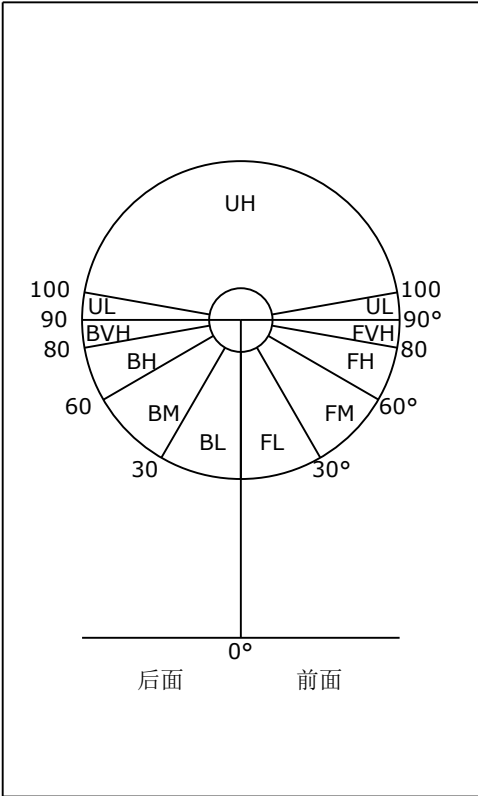
C/G	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0
Dazzle	Quality	Illuminance	---	---	---	---	---	---	---
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
---	---	a	b	c	d	e	f	g	h



LX-DISTANCE DIAGRAM



BUG等级评价表



区域	光通量(lm)	光通量(%)
前面	62.5	39.6
FL (0°-30°)	59.0	37.4
FM (30°-60°)	3.6	2.3
FH (60°-80°)	0.0	0.0
FVH (80°-90°)	0.0	0.0
后面	95.3	60.4
BL (0°-30°)	83.7	53.0
BM (30°-60°)	11.6	7.3
BH (60°-80°)	0.0	0.0
BVH (80°-90°)	0.0	0.0
上面	0.0	0.0
UL (90°-100°)	0.0	0.0
UH (100°-180°)	0.0	0.0
限制光	NA	NA

BUG评价等级(基于TM-15-07)	
非对称灯具 (Type I , II , III , IV)	B0 U0 G0
对称灯具 (Type V , Area Light)	B0 U0 G0

UGR(Unified Glare Rating) TABLE

RHOCC	70	70	50	50	30	70	70	50	50	30
RHOW	50	30	50	30	30	50	30	50	30	30
RHOF	20	20	20	20	20	20	20	20	20	20
Room Size X Y	Viewed Endwise					Viewed Crosswise				
2H 2H	0.43	0.48	0.63	0.67	0.91	0.43	0.48	0.63	0.67	0.91
3H	0.41	0.46	0.61	0.65	0.90	0.41	0.46	0.61	0.65	0.90
4H	0.39	0.44	0.60	0.64	0.89	0.39	0.44	0.60	0.64	0.89
6H	0.38	0.43	0.59	0.63	0.88	0.38	0.43	0.59	0.63	0.88
8H	0.37	0.42	0.59	0.63	0.88	0.37	0.42	0.59	0.63	0.88
12H	0.36	0.41	0.58	0.62	0.87	0.36	0.41	0.58	0.62	0.87
4H 2H	0.39	0.44	0.60	0.64	0.89	0.39	0.44	0.60	0.64	0.89
3H	0.36	0.41	0.58	0.62	0.87	0.36	0.41	0.58	0.62	0.87
4H	0.35	0.40	0.57	0.61	0.87	0.35	0.40	0.57	0.61	0.87
6H	0.32	0.37	0.56	0.60	0.86	0.32	0.37	0.56	0.60	0.86
8H	0.31	0.36	0.56	0.59	0.85	0.31	0.36	0.56	0.59	0.85
12H	0.30	0.35	0.55	0.58	0.85	0.30	0.35	0.55	0.58	0.85
8H 4H	0.37	0.42	0.59	0.63	0.88	0.37	0.42	0.59	0.63	0.88
6H	0.29	0.33	0.54	0.57	0.85	0.29	0.33	0.54	0.57	0.85
8H	0.27	0.32	0.54	0.56	0.84	0.27	0.32	0.54	0.56	0.84
12H	0.26	0.30	0.53	0.56	0.84	0.26	0.30	0.53	0.56	0.84
12H 4H	0.30	0.35	0.55	0.58	0.85	0.30	0.35	0.55	0.58	0.85
6H	0.27	0.32	0.54	0.56	0.84	0.27	0.32	0.54	0.56	0.84

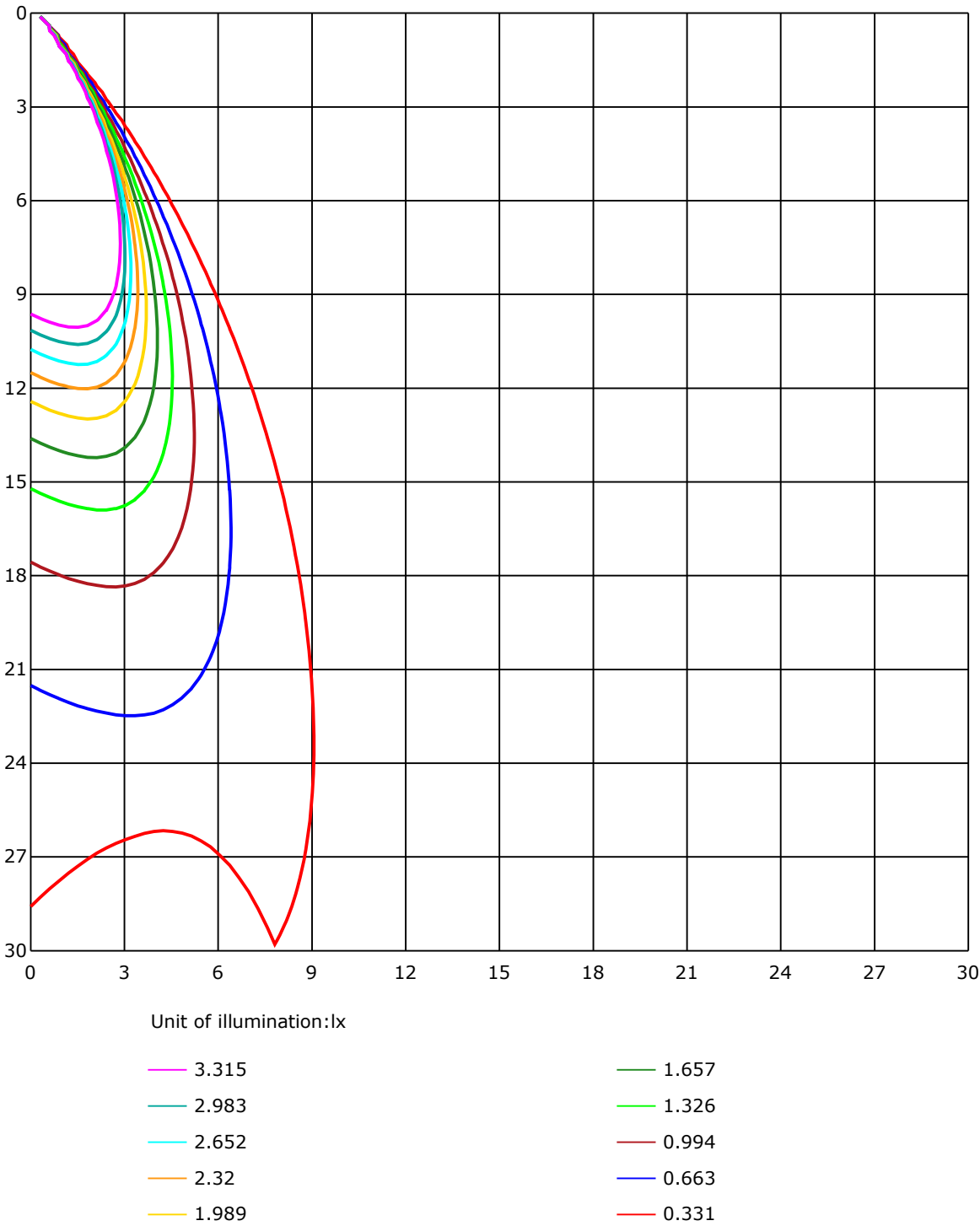
ZONAL LUMINOUS FLUX TABLE

[illegible]

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025/8/6 8:42:51

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity:
Test Distance: 7.91 m
Remarks:

SPACE ISOLX DIAGRAM



Report No.:

Test Time: 2025/8/6 8:42:51

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	306.77	323.16	312.09	304.33	306.77	323.16	312.09	304.33	306.77	
G1	312.34	326.23	312.21	300.7	301.33	319.47	311.78	308.27	312.34	
G2	317.66	329.05	311.65	296.64	296.2	315.47	311.84	312.15	317.66	
G3	323.1	331.42	310.46	292.26	291.13	311.65	311.78	316.03	323.1	
G4	328.42	332.42	308.4	287.75	286.19	308.02	311.84	319.97	328.42	
G5	333.24	331.36	305.08	282.56	280.43	304.33	311.9	323.92	333.24	
G6	337.62	328.92	300.76	276.11	274.05	300.51	312.03	327.67	337.62	
G7	341.81	324.1	294.38	267.92	267.29	297.14	311.59	330.67	341.81	
G8	345.31	317.6	286.81	259.28	259.91	294.26	311.53	333.61	345.31	
G9	347.38	308.65	277.36	249.77	251.71	291.07	310.84	336.24	347.38	
G10	348.25	296.76	265.79	238.38	242.2	287.56	309.65	338.06	348.25	
G11	347.25	282.62	253.28	225.18	231.44	283.56	307.21	338.68	347.25	
G12	344.12	267.48	239.82	212.11	219.55	278.55	303.71	337.43	344.12	
G13	339.12	251.46	225.06	198.9	206.79	272.92	298.95	334.11	339.12	
G14	331.74	234.26	209.79	184.51	193.46	265.6	292.57	328.17	331.74	
G15	322.04	215.86	194.34	169.25	179.88	257.09	284.94	320.54	322.04	
G16	310.4	198.65	178.88	155.48	166.37	247.89	275.24	310.46	310.4	
G17	296.32	181.76	163.05	141.97	152.73	237.01	263.47	298.64	296.32	
G18	280.62	164.3	147.6	128.58	139.53	224.37	250.52	283.62	280.62	
G19	263.41	147.1	132.33	114.94	126.83	211.67	235.69	268.48	263.41	
G20	245.52	131.27	118.19	102.86	114.56	198.78	220.49	252.4	245.52	
G21	227.25	117.19	104.36	91.85	102.42	184.7	204.91	235.07	227.25	
G22	208.35	102.86	91.47	80.96	91.1	169.62	188.83	216.49	208.35	
G23	189.52	88.78	79.65	70.45	80.65	155.61	172.75	198.97	189.52	
G24	171.75	77.08	69.14	61.5	71.2	142.47	157.05	182.32	171.75	
G25	154.67	66.07	59.38	53.12	62.13	129.83	141.84	166.12	154.67	
G26	138.09	55.81	50.74	45.05	54.0	116.69	127.01	149.29	138.09	
G27	122.26	46.18	42.8	37.6	46.43	104.3	112.5	134.02	122.26	
G28	107.62	38.42	36.1	31.16	39.79	93.16	98.86	120.01	107.62	
G29	93.6	31.6	29.91	25.53	33.47	82.21	86.28	106.05	93.6	
G30	80.71	25.34	24.21	20.46	27.47	71.27	74.96	92.1	80.71	
G31	68.76	19.9	19.52	15.64	22.52	62.07	64.88	79.59	68.76	
G32	58.25	15.45	15.02	11.76	17.52	53.68	55.87	68.82	58.25	
G33	48.3	11.83	11.01	8.57	13.58	45.86	47.74	59.0	48.3	
G34	39.92	8.45	8.26	6.13	10.14	38.6	40.23	49.24	39.92	
G35	32.6	5.82	6.26	4.07	7.26	32.1	33.72	40.67	32.6	
G36	26.22	3.82	4.13	2.63	5.26	26.59	27.72	33.97	26.22	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/8/6 8:42:51

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity:

Test Distance: 7.91 m

Remarks:

Report No.:

Test Time: 2025/8/6 8:42:51

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	20.77	2.44	3.0	1.56	3.69	21.59	22.46	27.66	20.77	
G38	15.89	1.56	2.0	0.81	2.5	16.96	17.71	21.84	15.89	
G39	12.01	0.88	1.44	0.31	1.69	13.01	13.39	17.33	12.01	
G40	8.76	0.44	0.75	0.0	1.19	9.7	9.76	13.2	8.76	
G41	6.13	0.13	0.75	0.0	0.75	7.2	7.32	10.26	6.13	
G42	4.13	0.0	0.56	0.0	0.56	5.26	4.76	7.51	4.13	
G43	2.63	0.0	0.38	0.0	0.44	3.5	3.13	5.32	2.63	
G44	1.63	0.0	0.25	0.0	0.31	2.44	1.88	3.75	1.63	
G45	0.94	0.0	0.19	0.0	0.25	1.75	1.13	2.63	0.94	
G46	0.38	0.0	0.13	0.0	0.19	1.19	0.56	1.88	0.38	
G47	0.19	0.0	0.06	0.0	0.06	0.88	0.25	1.31	0.19	
G48	0.0	0.0	0.0	0.0	0.0	0.63	0.0	0.94	0.0	
G49	0.0	0.0	0.0	0.0	0.0	0.44	0.0	0.63	0.0	
G50	0.0	0.0	0.0	0.0	0.0	0.31	0.0	0.5	0.0	
G51	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.38	0.0	
G52	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.31	0.0	
G53	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.25	0.0	
G54	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.19	0.0	
G55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G73	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/8/6 8:42:51

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity:

Test Distance: 7.91 m

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 2)

[illegible]

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025/8/6 8:42:51

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity:
Test Distance: 7.91 m
Remarks: