

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer:

Luminaire Type: L-D366-4-30K-35-WH

Lamp Type:

Luminous Width: 80 mm

Luminous Length: 80 mm

Luminous Height: 80 mm

Voltage(V): 221.29 V

Current(A): 0.0870 A

Power(W): 10.17 W

Power Factor: 0.5280

Lamp Luminous Flux: 806.23

Photometric Results

CIE Class: Direct

Luminaire Luminous Flux: 806.2278 lm

Downward Ratio: 100.00%

Luminaire Efficacy Rating(LER): 79.28 lm/W

Beam Angle(50%) C0-180,C90-270: 30.8,30.7

Field Angle(10%) C0-180,C90-270: 55.8,56.1

S/MH C0-180,C90-270: 0.536,0.536

Max. Intensity: 2372.02 cd

Max.Intensity Angle: C=0 Gamma=3

Upward Ratio: 0.00%

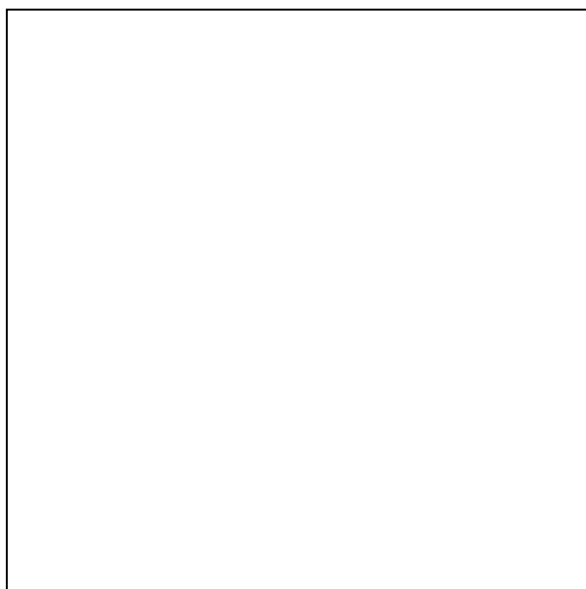
Efficacy: 100.00%

Center Intensity: 2325.09 cd

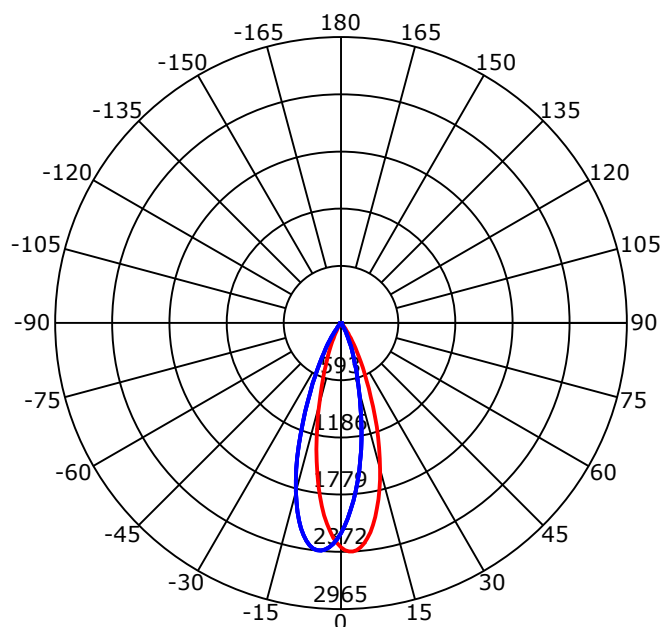
Effective Luminous Flux: 722.41 lm

ERP(ϕ_{use})(120deg): 801.96 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 30.8 deg,30.7 deg

C0-180 — C90-270 —

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/8/5 8:31:02

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

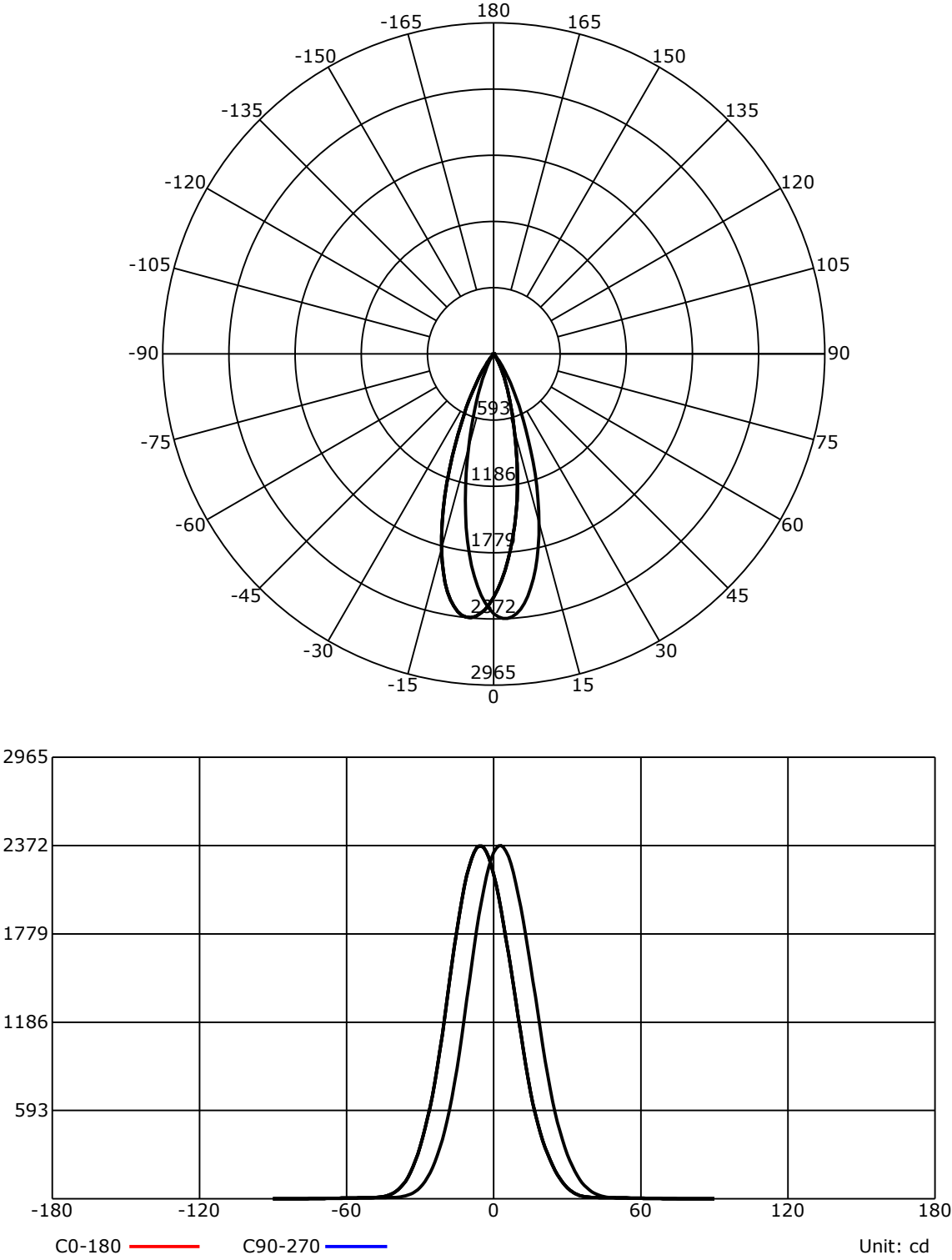
Test System: Huipu CPM-2000B Goniophotometer

Humidity:

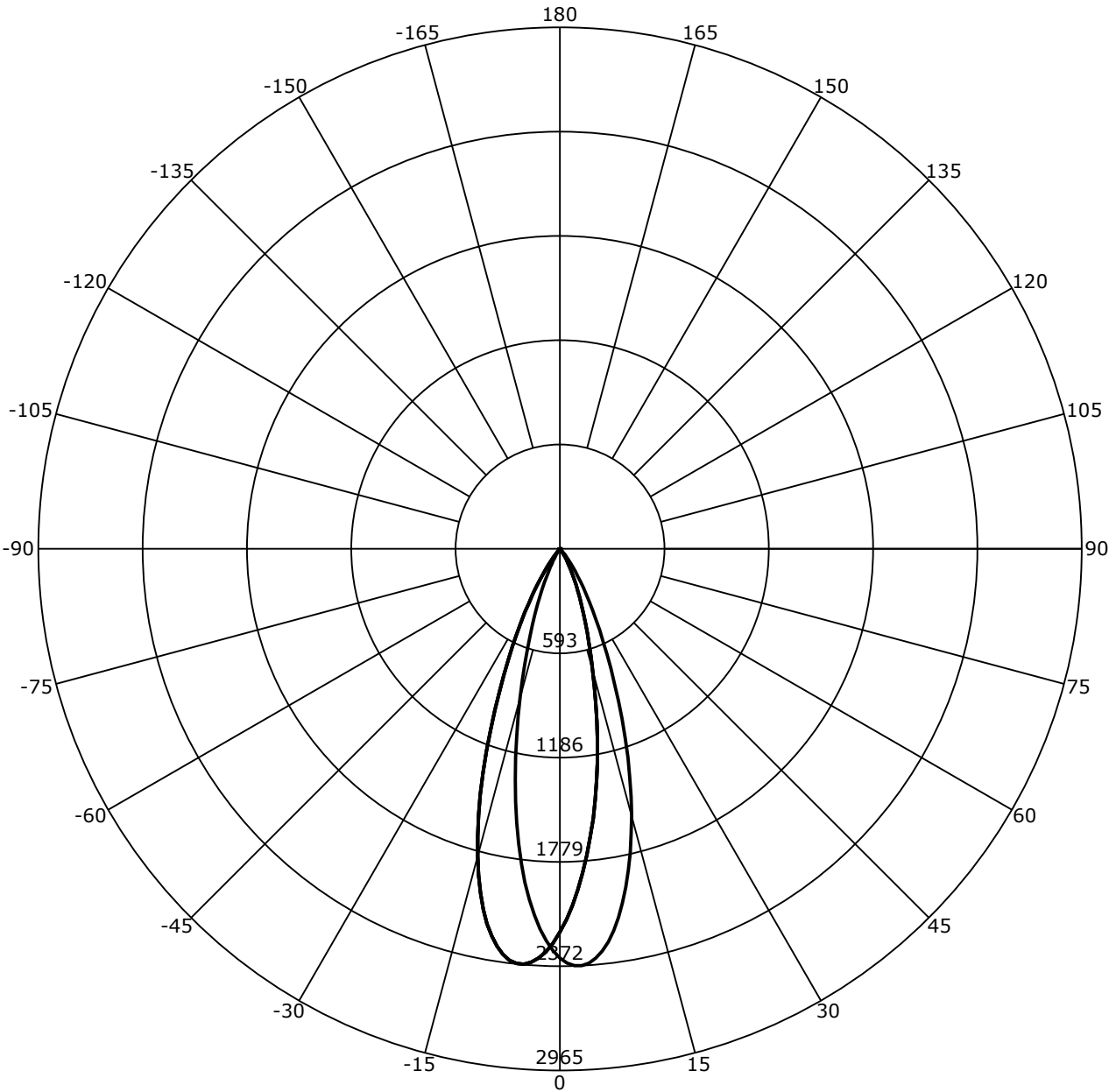
Test Distance: 7.91 m

Remarks:

Luminous Intensity Distribution Curve



Luminous Intensity Distribution Curve

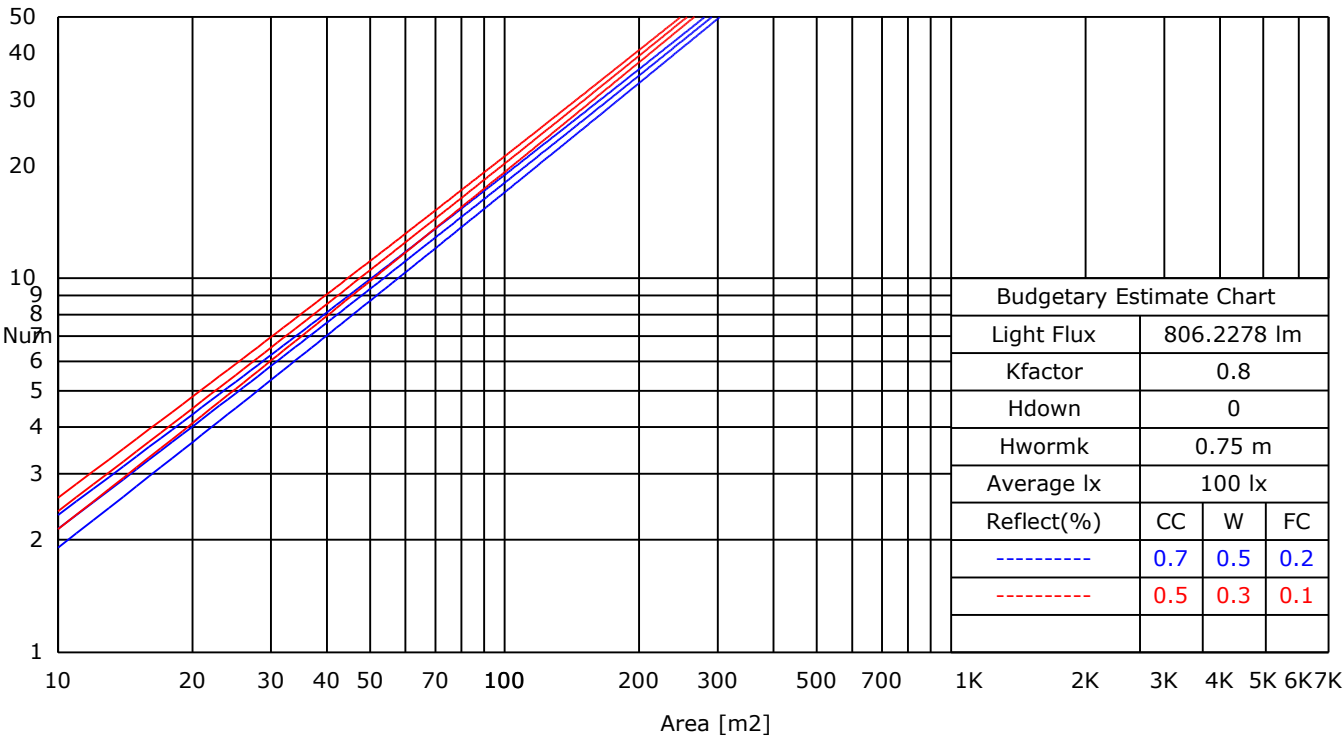


C0-180 C90-270
 Unit: cd/klm

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	0.96	0.93	0.91	0.95	0.92	0.89	0.92	0.89	0.86	0.88	0.84	0.81	0.82	0.79	0.75	0.70
2	0.92	0.90	0.88	0.91	0.89	0.86	0.89	0.86	0.83	0.85	0.82	0.79	0.80	0.77	0.73	0.69
3	0.89	0.87	0.86	0.89	0.86	0.84	0.86	0.83	0.80	0.83	0.79	0.76	0.79	0.75	0.71	0.67
4	0.87	0.85	0.84	0.86	0.84	0.82	0.84	0.81	0.78	0.81	0.77	0.74	0.77	0.73	0.70	0.66
5	0.85	0.83	0.82	0.84	0.82	0.80	0.82	0.79	0.76	0.79	0.75	0.73	0.76	0.72	0.68	0.64
6	0.83	0.81	0.80	0.82	0.80	0.78	0.80	0.77	0.75	0.77	0.74	0.71	0.74	0.70	0.67	0.63
7	0.81	0.80	0.79	0.80	0.78	0.77	0.78	0.75	0.73	0.76	0.72	0.69	0.73	0.69	0.65	0.62
8	0.80	0.78	0.77	0.79	0.77	0.76	0.77	0.74	0.72	0.74	0.71	0.68	0.72	0.67	0.64	0.61
9	0.78	0.77	0.76	0.77	0.75	0.74	0.75	0.72	0.71	0.73	0.69	0.67	0.70	0.66	0.63	0.60
10	0.77	0.76	0.75	0.76	0.74	0.73	0.74	0.71	0.69	0.72	0.68	0.66	0.69	0.65	0.62	0.59

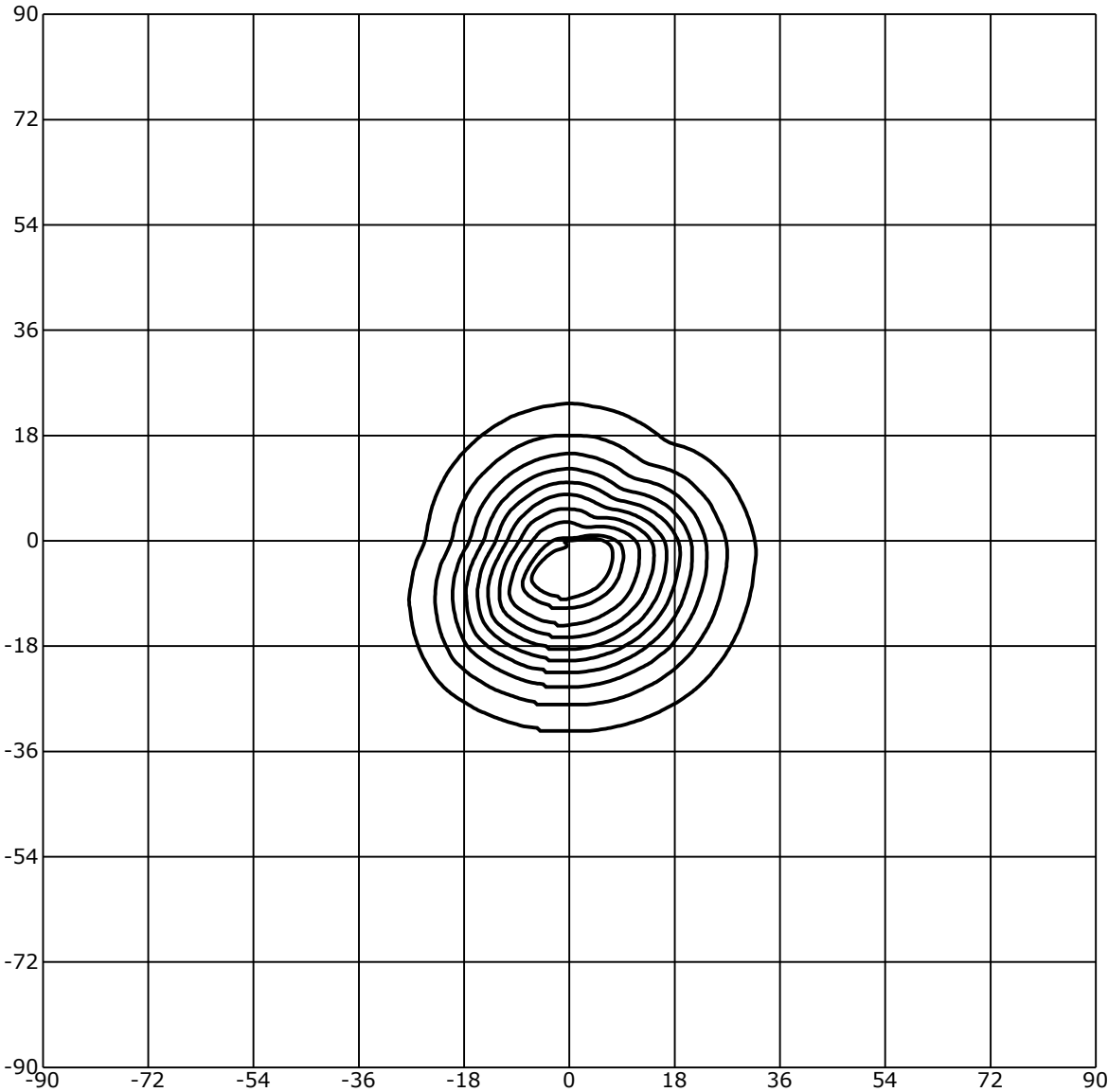
LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
 Test Date: 2025/8/5 8:31:02

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%): 2372.019 cd

- 2253.418(95%Imax)

— 2134.817(90%Imax)

— 1897.615(80%Imax)

— 1660.413(70%Imax)

— 1423.211(60%Imax)
- 1186.01(50%Imax)

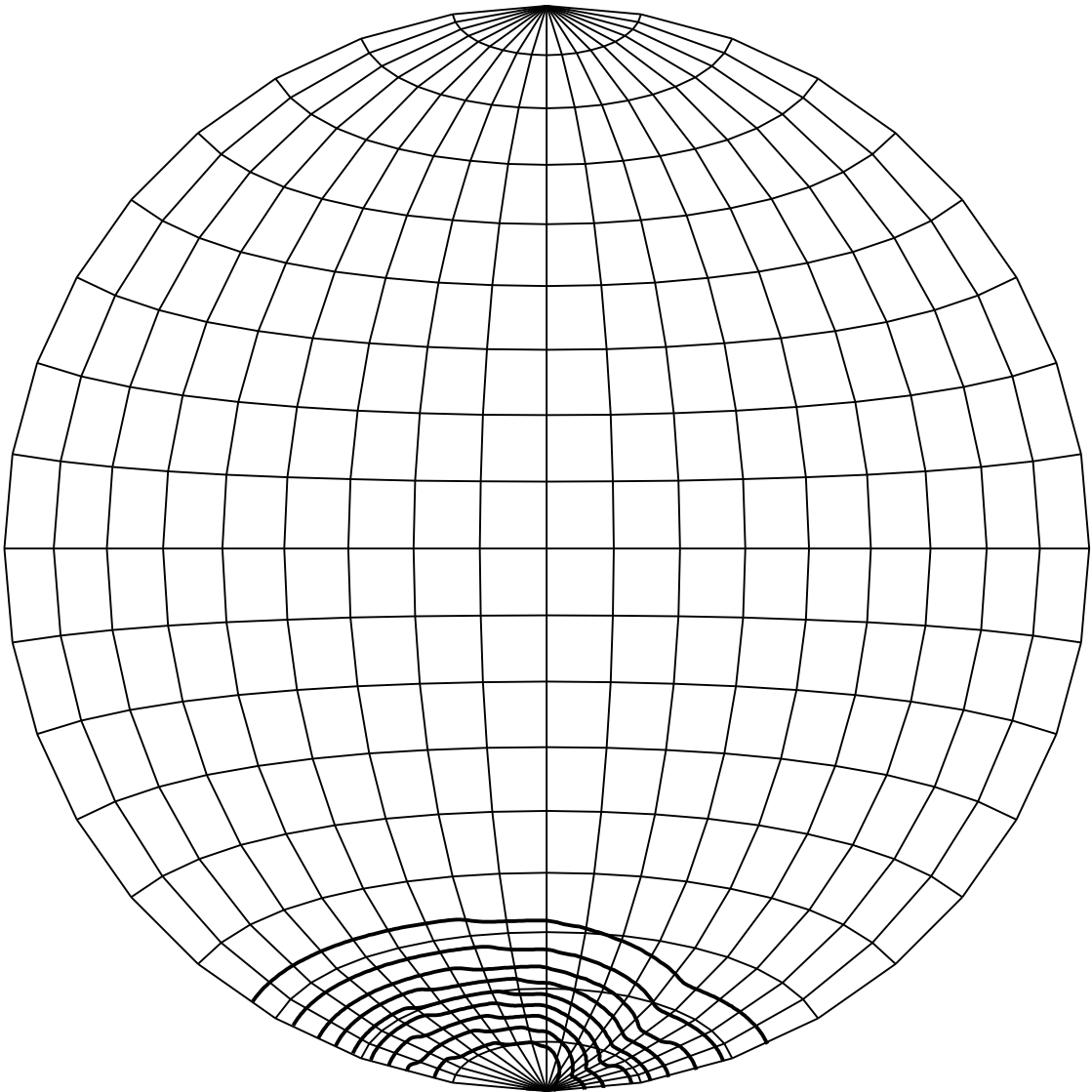
— 948.808(40%Imax)

— 711.606(30%Imax)

— 474.404(20%Imax)

— 237.202(10%Imax)

ISOCANDELA DIAGRAM (SPHERE)



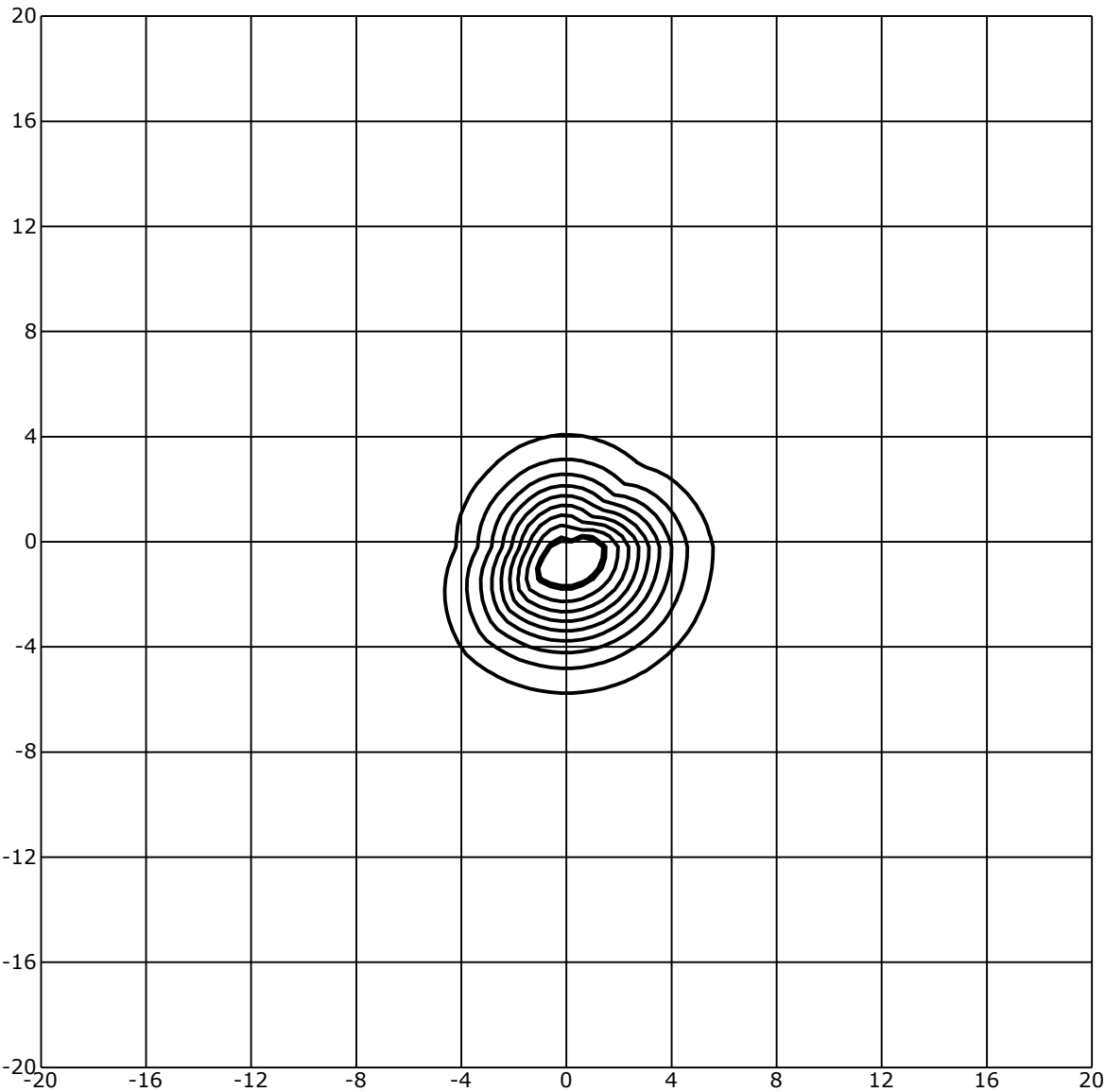
Unit of intensity:cd I_{max}(100%): 2372.019 cd

— 2253.418(95%I _{max})	— 1186.01(50%I _{max})
— 2134.817(90%I _{max})	— 948.808(40%I _{max})
— 1897.615(80%I _{max})	— 711.606(30%I _{max})
— 1660.413(70%I _{max})	— 474.404(20%I _{max})
— 1423.211(60%I _{max})	— 237.202(10%I _{max})

C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
 Test Date: 2025/8/5 8:31:02

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

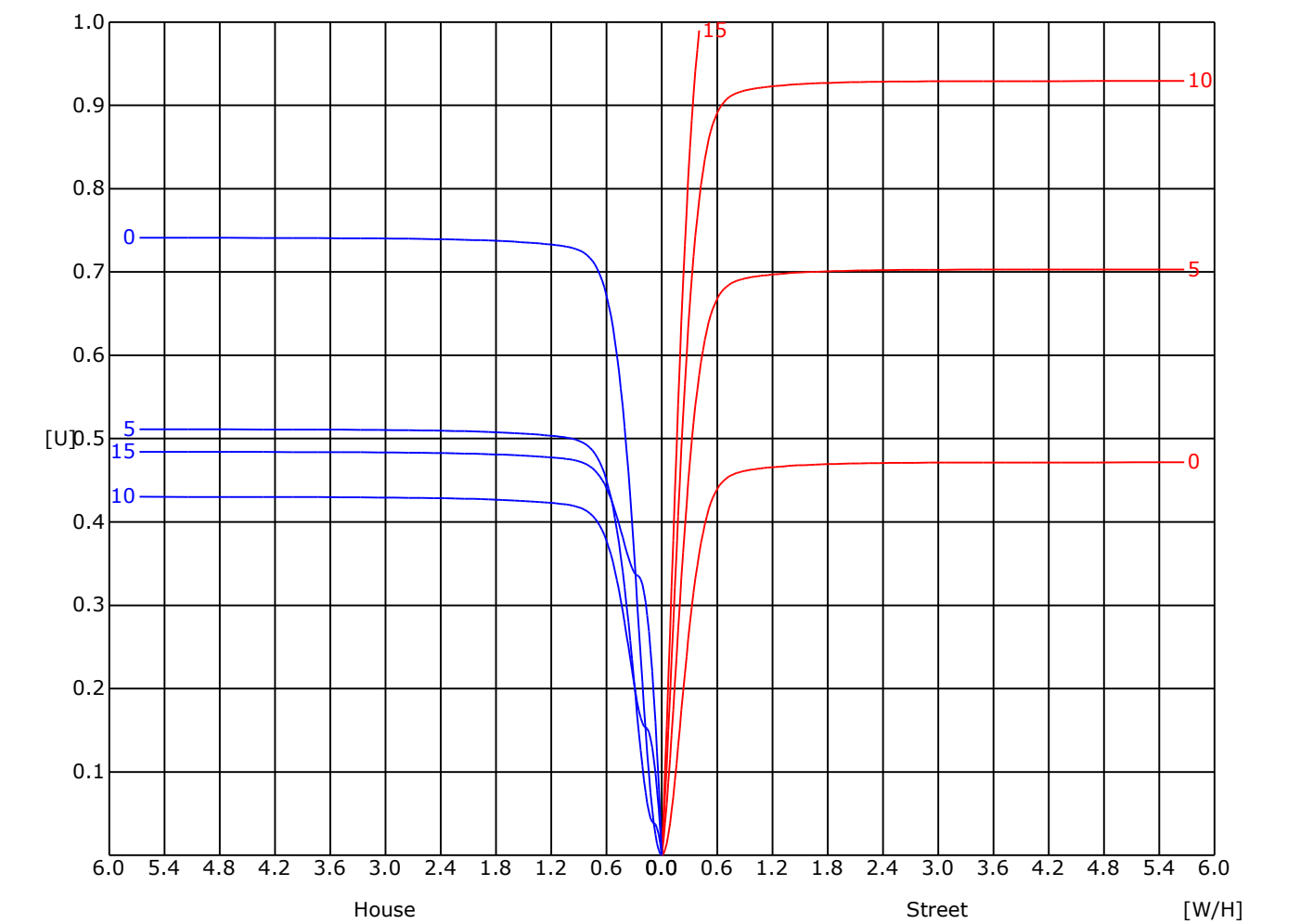


Unit of illumination:lx	Height of plane:10.0(m)/32.81(ft)
—— 21.768(92%Emax)	—— 11.831(50%Emax)
—— 21.295(90%Emax)	—— 9.465(40%Emax)
—— 18.929(80%Emax)	—— 7.098(30%Emax)
—— 16.563(70%Emax)	—— 4.732(20%Emax)
—— 14.197(60%Emax)	—— 2.366(10%Emax)

C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
 Test Date: 2025/8/5 8:31:02

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)

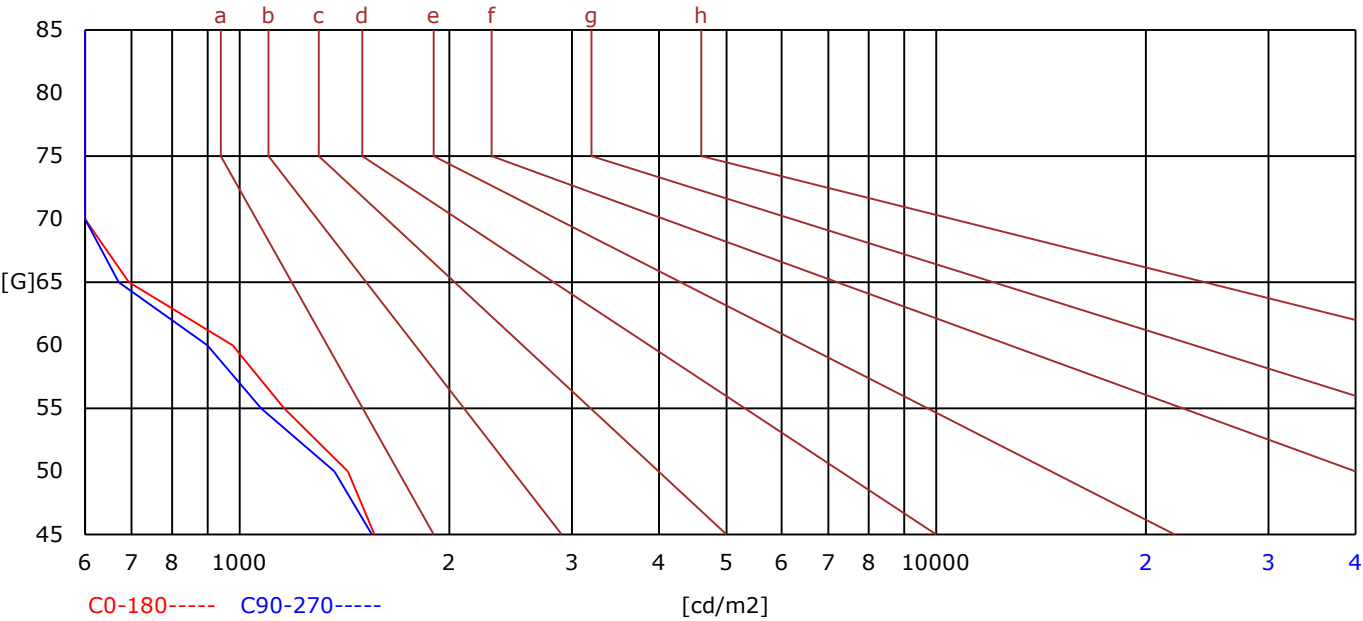


C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
 Test Date: 2025/8/5 8:31:02

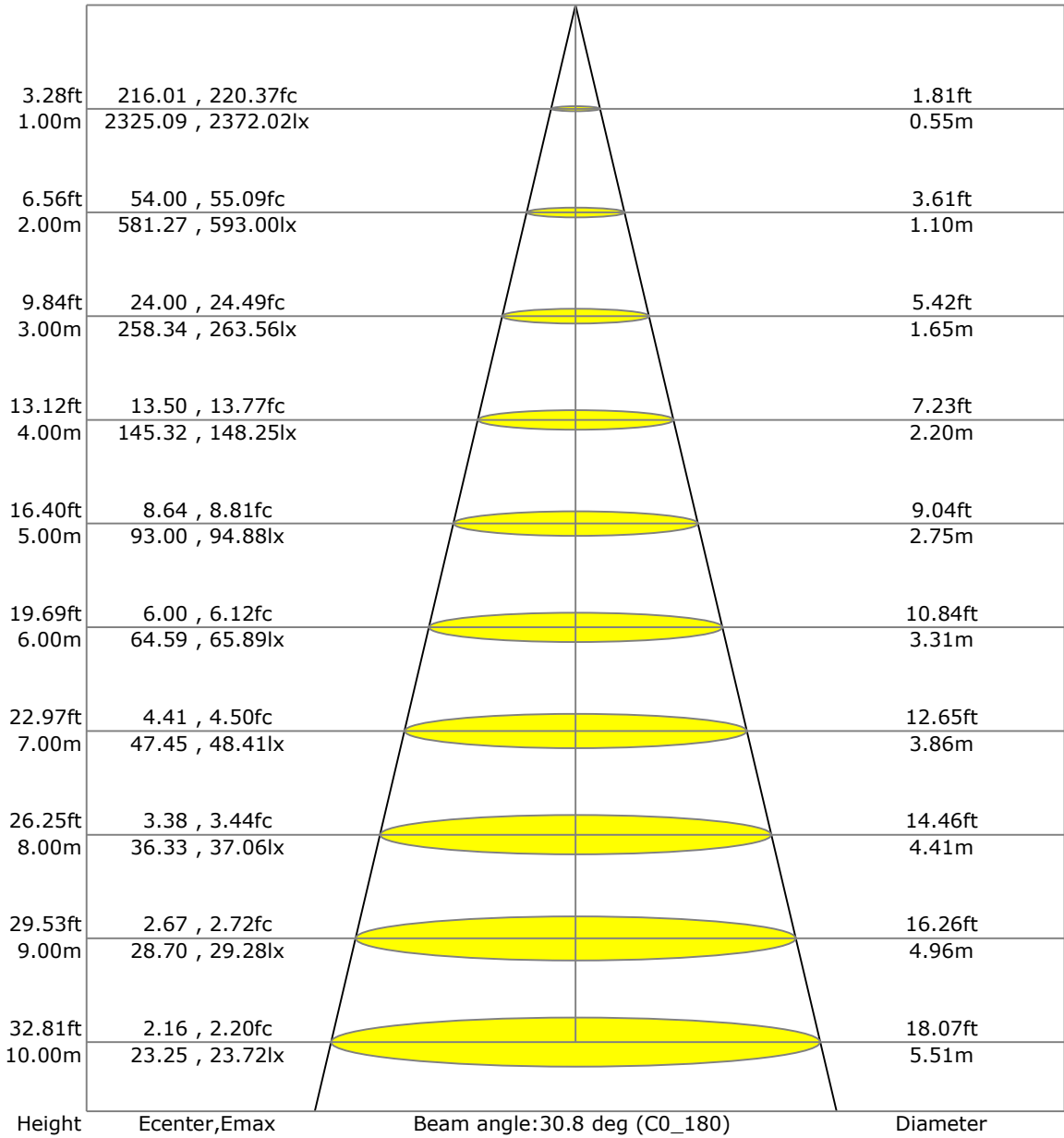
G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity:
 Test Distance: 7.91 m
 Remarks:

BRIGHT LIMIT DIAGRAM

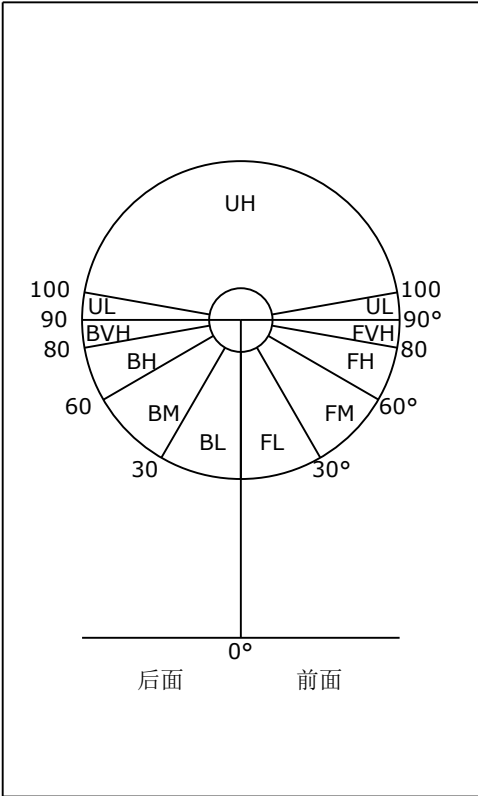
C/G	45	50	55	60	65	70	75	80	85
C0	1562	1430	1159	978	694	429	0	0	0
C90	1548	1369	1074	899	671	343	0	0	0
Dazzle	Quality	Illuminance	---	---	---	---	---	---	---
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	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	272.9	33.8
FL (0°-30°)	253.2	31.4
FM (30°-60°)	18.3	2.3
FH (60°-80°)	1.3	0.2
FVH (80°-90°)	0.0	0.0
后面	533.4	66.2
BL (0°-30°)	475.5	59.0
BM (30°-60°)	54.9	6.8
BH (60°-80°)	2.9	0.4
BVH (80°-90°)	0.1	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)	B1 U0 G0
对称灯具 (Type V , Area Light)	B1 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		∞	∞	∞	∞	∞	∞	∞	∞	∞	∞
3H		∞	∞	∞	∞	∞	∞	∞	∞	∞	∞
4H		∞	∞	∞	∞	∞	∞	∞	∞	∞	∞
6H		NaN	NaN	NaN	NaN	NaN	∞	∞	∞	∞	∞
8H		NaN	NaN	NaN	NaN	NaN	∞	∞	∞	∞	∞
12H		NaN	NaN	NaN	NaN	NaN	∞	∞	∞	∞	∞
4H 2H		∞	∞	∞	∞	∞	∞	∞	∞	∞	∞
3H		∞	∞	∞	∞	∞	∞	∞	∞	∞	∞
4H		NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
6H		NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
8H		NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
12H		NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
8H 4H		NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
6H		NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
8H		NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
12H		NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
12H 4H		NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
6H		NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

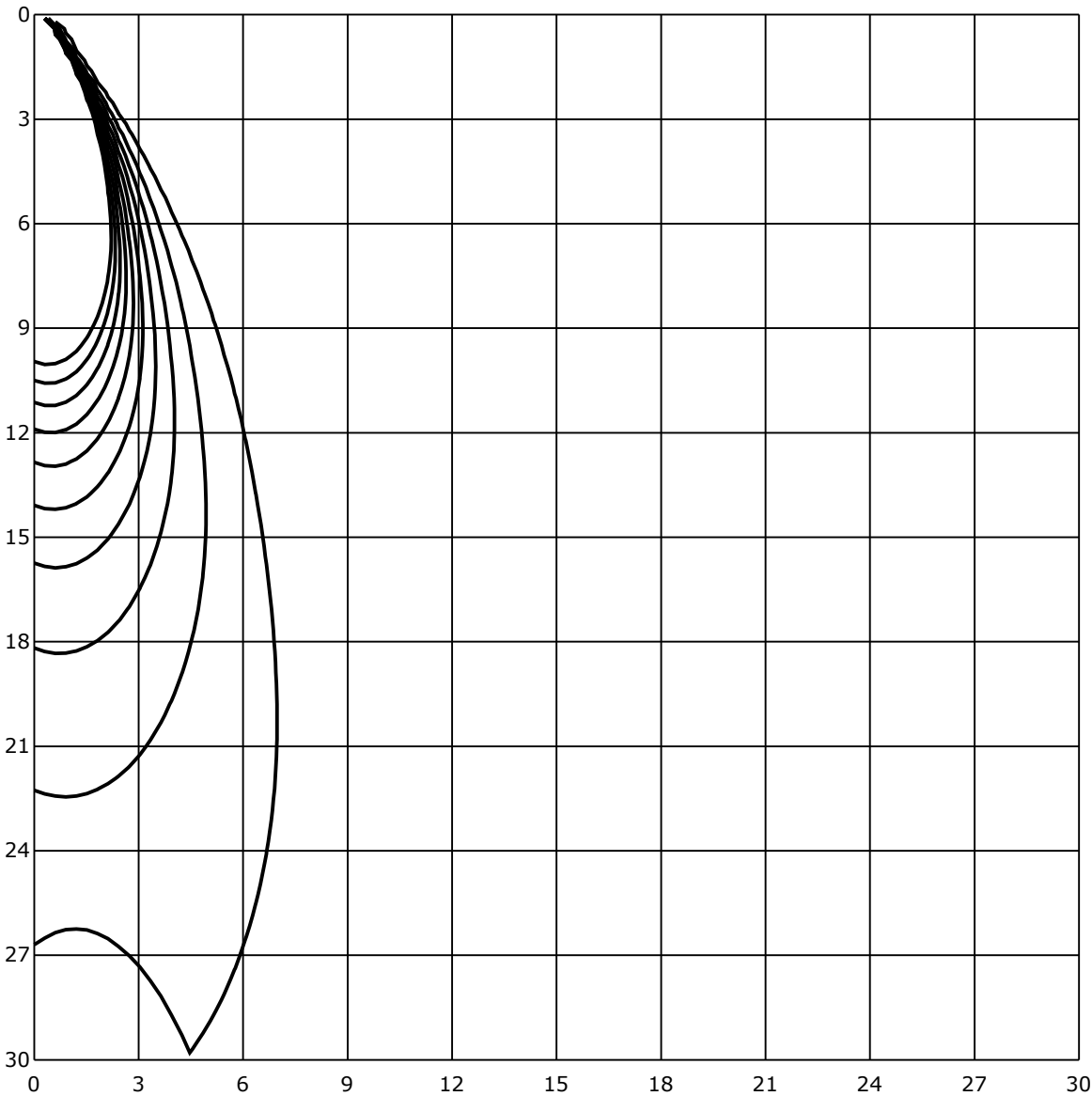
ZONAL LUMINOUS FLUX TABLE

[illegible]

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025/8/5 8:31:02

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



Unit of illumination:lx

- | | |
|----------|---------|
| — 23.46 | — 11.73 |
| — 21.114 | — 9.384 |
| — 18.768 | — 7.038 |
| — 16.422 | — 4.692 |
| — 14.076 | — 2.346 |

C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
 Test Date: 2025/8/5 8:31:02

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: 2025/8/5 8:31:02

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	2325.09	2141.08	2178.12	2223.04	2325.09	2141.08	2178.12	2223.04	2325.09	
G1	2354.25	2068.44	2106.17	2155.72	2283.17	2202.77	2240.38	2276.98	2354.25	
G2	2370.46	1984.79	2027.64	2075.57	2229.11	2254.52	2291.81	2316.96	2370.46	
G3	2372.02	1901.57	1939.74	1994.17	2163.42	2297.81	2328.85	2346.74	2372.02	
G4	2360.19	1813.79	1845.51	1904.7	2085.96	2327.6	2356.13	2363.01	2360.19	
G5	2334.79	1716.99	1747.34	1805.59	2000.24	2345.68	2369.27	2365.45	2334.79	
G6	2298.88	1616.82	1646.23	1697.1	1906.26	2350.31	2369.33	2354.19	2298.88	
G7	2250.26	1519.34	1544.56	1593.86	1803.21	2341.36	2355.81	2327.91	2250.26	
G8	2190.57	1416.1	1438.07	1482.99	1691.28	2319.52	2327.91	2291.81	2190.57	
G9	2120.25	1306.3	1330.2	1366.99	1575.09	2285.68	2286.99	2242.94	2120.25	
G10	2042.79	1194.36	1222.14	1246.73	1456.46	2240.63	2233.74	2186.32	2042.79	
G11	1958.57	1090.5	1112.65	1137.11	1335.27	2178.81	2171.05	2112.42	1958.57	
G12	1867.53	987.39	1004.53	1029.31	1213.32	2104.42	2095.47	2030.21	1867.53	
G13	1771.87	885.46	903.05	921.44	1094.32	2022.7	2007.31	1945.43	1771.87	
G14	1671.32	788.55	808.25	817.7	981.51	1933.04	1911.46	1854.83	1671.32	
G15	1570.15	705.71	719.91	729.48	875.89	1826.05	1809.28	1748.84	1570.15	
G16	1464.09	629.06	638.13	647.52	774.78	1712.86	1698.72	1641.04	1464.09	
G17	1356.91	558.04	565.43	570.5	682.49	1599.3	1583.6	1533.23	1356.91	
G18	1248.92	492.91	502.17	499.17	601.72	1483.18	1466.28	1421.92	1248.92	
G19	1138.49	437.66	443.73	439.85	527.82	1356.23	1344.78	1299.6	1138.49	
G20	1030.0	387.05	390.24	384.98	459.38	1232.03	1223.08	1181.41	1030.0	
G21	926.7	338.18	342.31	333.43	396.74	1116.09	1102.51	1070.48	926.7	
G22	829.03	292.51	299.14	285.12	341.62	1006.22	989.76	964.61	829.03	
G23	738.62	255.15	261.1	246.46	292.32	895.35	884.71	857.81	738.62	
G24	655.46	218.93	224.18	209.42	248.27	795.18	785.1	762.64	655.46	
G25	580.69	185.51	191.02	175.07	208.23	706.14	694.63	679.93	580.69	
G26	512.93	154.23	161.49	144.47	174.19	627.12	615.23	606.16	512.93	
G27	452.62	128.89	134.46	119.0	143.22	547.91	542.22	533.39	452.62	
G28	396.06	105.99	110.81	97.54	117.19	477.9	474.2	468.76	396.06	
G29	344.37	86.22	91.04	78.59	95.1	414.64	411.39	411.57	344.37	
G30	298.7	69.58	73.64	61.63	77.08	357.01	353.51	359.02	298.7	
G31	257.78	55.75	59.31	49.43	61.5	300.64	300.58	307.08	257.78	
G32	220.74	44.61	46.8	38.85	48.93	252.84	253.71	263.22	220.74	
G33	187.02	34.48	36.16	29.97	38.35	211.42	211.54	223.81	187.02	
G34	157.42	26.47	28.41	23.09	30.78	174.75	175.44	188.71	157.42	
G35	131.83	20.77	22.34	18.4	24.71	141.34	143.72	156.36	131.83	
G36	108.81	16.52	17.77	14.7	19.71	114.06	117.06	128.26	108.81	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/8/5 8:31:02

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 1)

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	89.72	13.2	14.33	11.95	16.14	92.73	95.23	105.8	89.72	
G38	74.21	10.89	12.14	10.07	13.51	75.64	77.33	87.35	74.21	
G39	59.56	9.57	10.64	9.07	11.76	60.19	62.07	70.14	59.56	
G40	47.74	8.7	9.76	8.38	10.26	47.86	49.37	56.56	47.74	
G41	37.73	7.95	9.13	7.95	9.51	38.29	38.54	45.92	37.73	
G42	30.16	7.88	8.82	7.63	9.07	30.97	30.85	37.04	30.16	
G43	23.21	7.7	8.51	7.7	8.7	24.78	24.15	29.16	23.21	
G44	18.08	7.26	8.26	7.13	8.38	19.58	19.02	23.15	18.08	
G45	14.39	7.07	8.01	7.01	8.07	16.33	15.14	18.83	14.39	
G46	12.01	6.82	7.51	6.82	7.82	13.76	12.51	15.52	12.01	
G47	10.07	6.63	7.45	6.57	7.57	11.7	10.64	13.01	10.07	
G48	8.95	6.38	7.07	6.32	7.32	10.51	9.39	11.39	8.95	
G49	8.32	6.13	6.76	6.07	7.07	9.64	8.32	10.26	8.32	
G50	8.01	5.88	6.69	5.63	6.69	9.07	8.07	9.51	8.01	
G51	7.7	5.63	6.07	5.38	6.32	8.63	7.63	8.95	7.7	
G52	7.45	5.32	5.76	5.07	5.94	8.32	7.38	8.63	7.45	
G53	7.13	4.94	5.44	4.82	5.63	8.07	7.13	8.26	7.13	
G54	6.95	4.57	5.13	4.5	5.32	7.82	6.88	7.95	6.95	
G55	6.76	4.25	4.57	3.94	5.01	7.57	6.76	7.63	6.76	
G56	6.51	4.0	4.5	3.94	4.69	7.26	6.57	7.51	6.51	
G57	6.32	3.75	4.19	3.63	4.44	6.95	6.32	7.2	6.32	
G58	6.07	3.5	3.88	3.38	4.19	6.57	5.88	6.82	6.07	
G59	5.76	3.25	3.63	3.38	3.88	6.32	5.69	6.57	5.76	
G60	5.38	3.13	3.57	2.88	3.75	5.94	5.38	6.19	5.38	
G61	5.01	2.88	3.13	2.69	3.32	5.57	5.01	5.82	5.01	
G62	4.69	2.44	3.0	2.5	3.07	5.38	5.01	5.51	4.69	
G63	4.63	2.38	2.75	2.0	2.88	5.07	4.5	5.19	4.63	
G64	4.13	2.13	2.5	2.06	2.63	4.57	4.25	4.94	4.13	
G65	3.94	1.88	2.25	1.81	2.44	4.38	4.0	4.63	3.94	
G66	3.75	1.63	1.94	1.56	2.19	4.07	3.69	4.38	3.75	
G67	3.5	1.63	1.69	1.38	1.88	3.82	3.44	4.07	3.5	
G68	3.19	1.31	1.5	1.13	1.56	3.69	3.19	3.75	3.19	
G69	2.94	1.13	1.25	0.94	1.19	3.44	2.88	3.5	2.94	
G70	2.94	0.94	1.13	0.75	0.81	3.25	2.63	3.32	2.94	
G71	2.69	0.69	0.94	0.56	0.75	2.75	2.44	3.07	2.69	
G72	2.25	0.44	0.75	0.06	0.19	2.69	2.25	2.88	2.25	
G73	2.06	0.25	0.53	0.0	0.0	2.44	2.06	2.69	2.06	

C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
 Test Date: 2025/8/5 8:31:02

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: 2025/8/5 8:31:02

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