

Report No.: KUPU-YT200-30D

Test Time: 2025/9/27 15:14:23

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: GZAILITELED
Luminaire Type: KUPU-YT200
Lamp Type:
Luminous Width: 190 mm
Luminous Length: 190 mm
Luminous Height: 38 mm

Voltage(V): 221.35 V
Current(A): 0.3390 A
Power(W): 72.76 W
Power Factor: 0.9670
Lamp Luminous Flux: 4676.45

Photometric Results

CIE Class: Direct
Luminaire Luminous Flux: 4676.45 lm
Downward Ratio: 100.00%
Luminaire Efficacy Rating(LER): 64.27 lm/W
Beam Angle(50%) C0-180,C90-270: 30.4,30.8
Field Angle(10%) C0-180,C90-270: 57.7,57.5
S/MH C0-180,C90-270: 0.536,0.499

Max. Intensity: 14861.74 cd
Max.Intensity Angle: C=180 Gamma=2
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 14469.21 cd
Effective Luminous Flux: 3971.76 lm
ERP(ϕ use)(120deg): 4530.01 lm

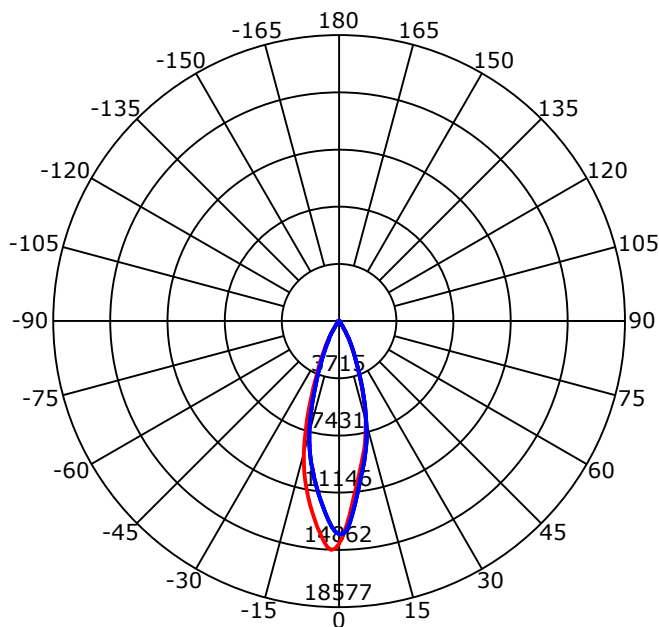
CIE Color Parameter

Chromaticity coordinates: $x = y = u = v = u^{\wedge} = v^{\wedge} = 0.0000$
Color temperature:K (duv=) Color difference:SDCM(CIE)= Main Wl: λ_d = Purity:
Peak wavelength: λ_p = FWHM: $\Delta\lambda_p$ = Color ratio:R= G= B=
Color rendering index :Ra=
R1= R2= R3= R4= R5= R6= R7= R8=
R9= R10= R11= R12= R13= R14= R15=

Picture of Luminaire



Luminous Intensity Distribution Curve



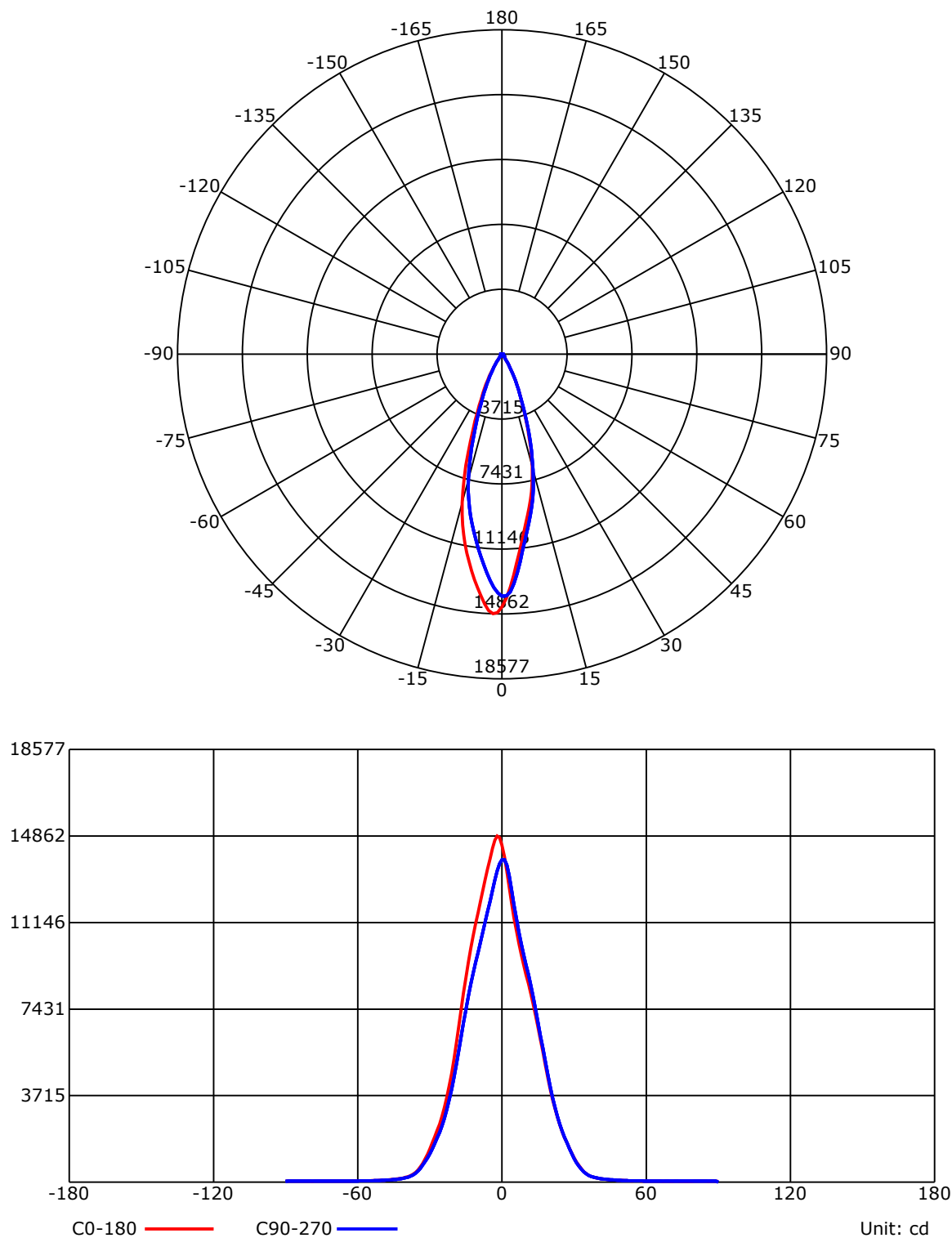
Beam Angle(50%) C0-180,C90-270: 30.4 deg,30.8 deg

C0-180 — C90-270 —

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/27 15:14:23

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 1
Test Distance: 7.061 m
Remarks:

Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/27 15:14:23

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

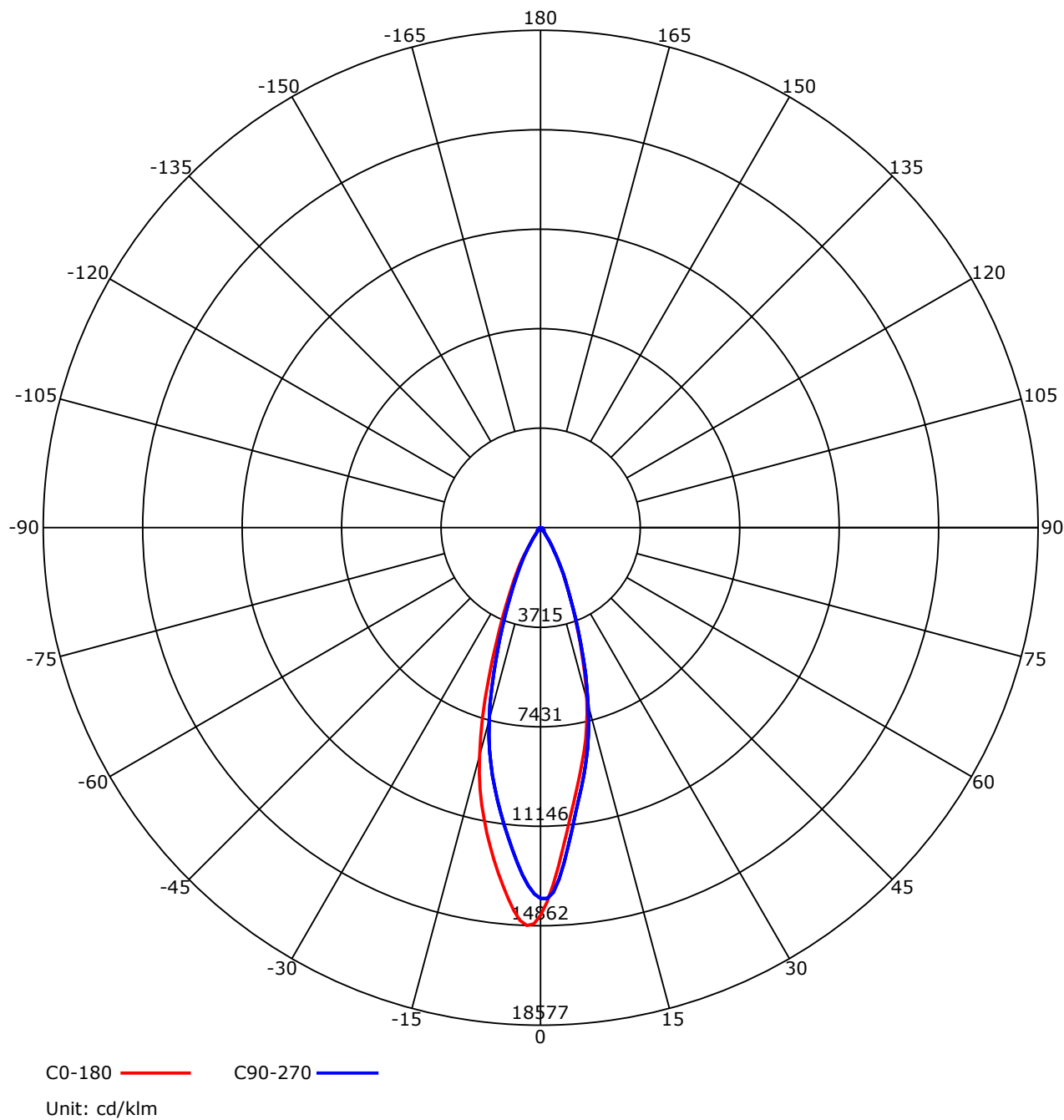
Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

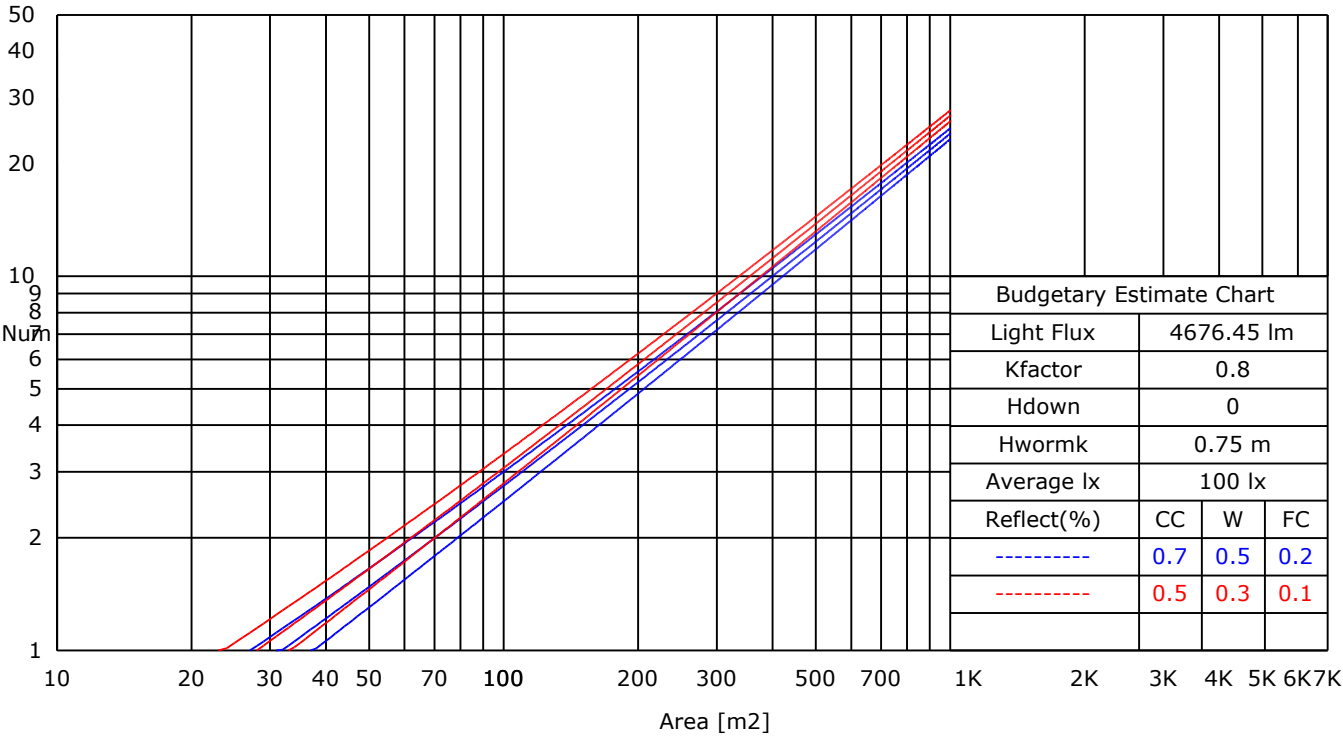
Luminous Intensity Distribution Curve



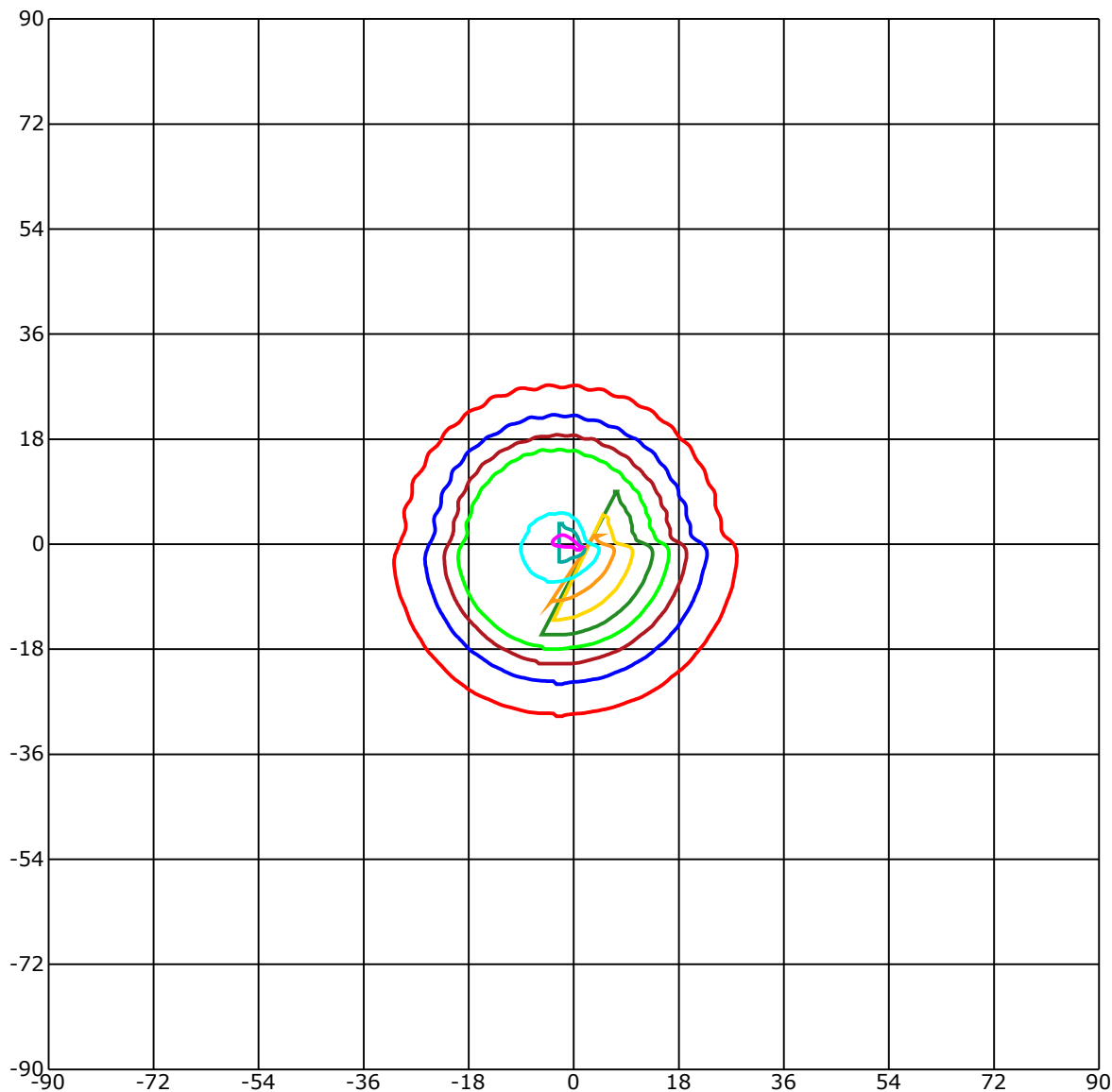
UTILIZATION FACTORS TABLE

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	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	0.99
1	1.14	1.14	1.13	1.12	1.12	1.11	1.08	1.07	1.06	1.03	1.01	1.01	0.95	0.94	0.93	0.88
2	1.08	1.07	1.07	1.07	1.05	1.05	1.03	1.01	1.00	0.98	0.96	0.95	0.92	0.90	0.88	0.84
3	1.03	1.02	1.01	1.02	1.00	0.99	0.98	0.96	0.95	0.94	0.91	0.90	0.88	0.86	0.84	0.79
4	0.99	0.97	0.96	0.97	0.95	0.94	0.94	0.92	0.90	0.90	0.87	0.85	0.85	0.82	0.80	0.76
5	0.94	0.93	0.92	0.93	0.91	0.90	0.90	0.87	0.86	0.86	0.83	0.81	0.82	0.79	0.76	0.72
6	0.90	0.89	0.88	0.89	0.87	0.86	0.86	0.84	0.82	0.83	0.80	0.78	0.79	0.76	0.73	0.69
7	0.87	0.85	0.85	0.85	0.84	0.83	0.83	0.80	0.79	0.80	0.77	0.74	0.77	0.73	0.70	0.67
8	0.83	0.82	0.81	0.82	0.81	0.79	0.80	0.77	0.76	0.77	0.74	0.72	0.74	0.70	0.67	0.64
9	0.80	0.79	0.78	0.79	0.77	0.76	0.77	0.74	0.73	0.74	0.71	0.69	0.72	0.68	0.65	0.62
10	0.77	0.76	0.75	0.76	0.75	0.74	0.74	0.72	0.70	0.72	0.69	0.66	0.69	0.65	0.63	0.59

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



ISOCANDELA DIAGRAM (RECTANGULAR)



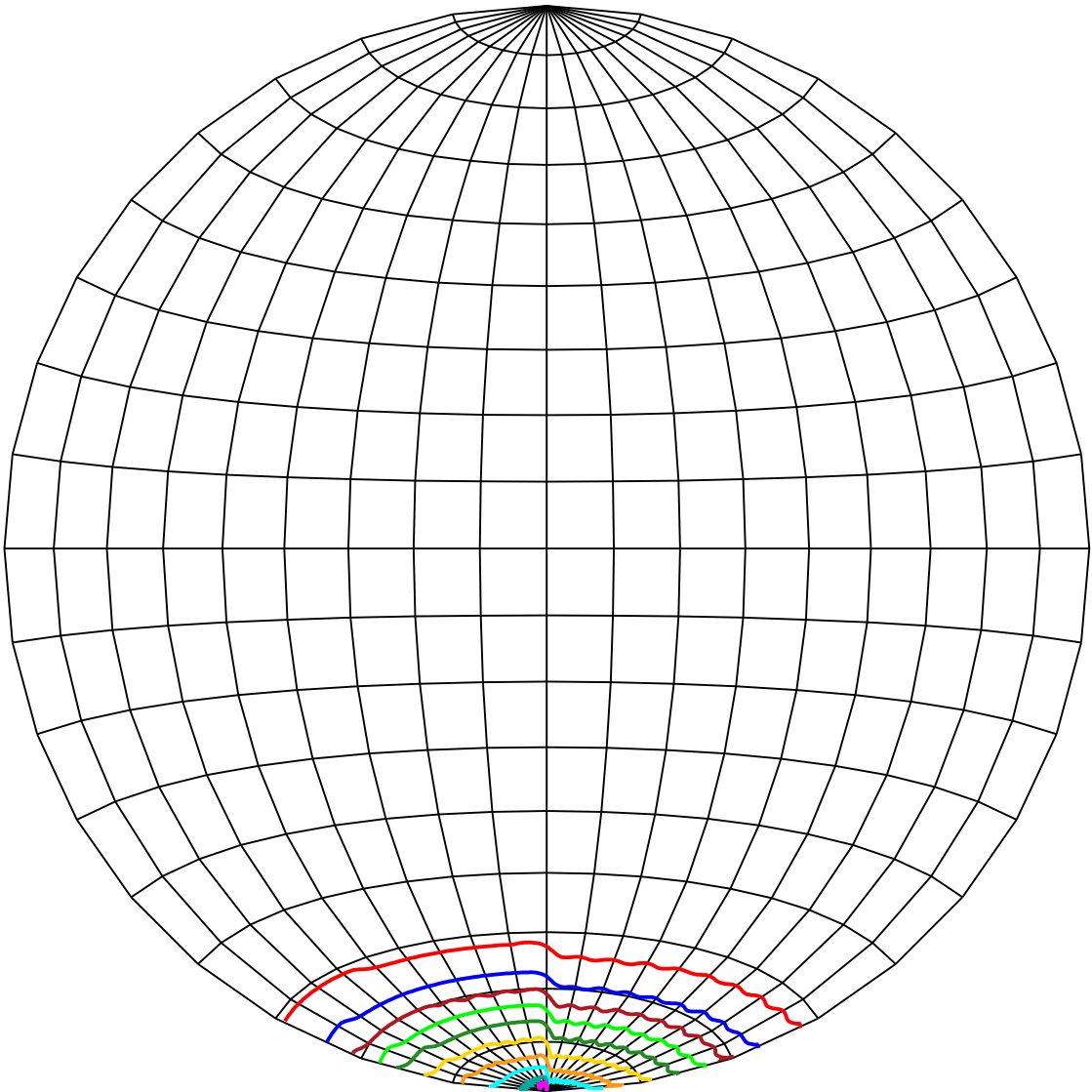
Unit of intensity:cd Imax(100%): 14861.74 cd

- | | |
|-------------------|-------------------|
| 14118.65(95%Imax) | 7430.87(50%Imax) |
| 13375.57(90%Imax) | 5944.696(40%Imax) |
| 11889.39(80%Imax) | 4458.522(30%Imax) |
| 10403.22(70%Imax) | 2972.348(20%Imax) |
| 8917.044(60%Imax) | 1486.174(10%Imax) |

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/27 15:14:23

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 1
Test Distance: 7.061 m
Remarks:

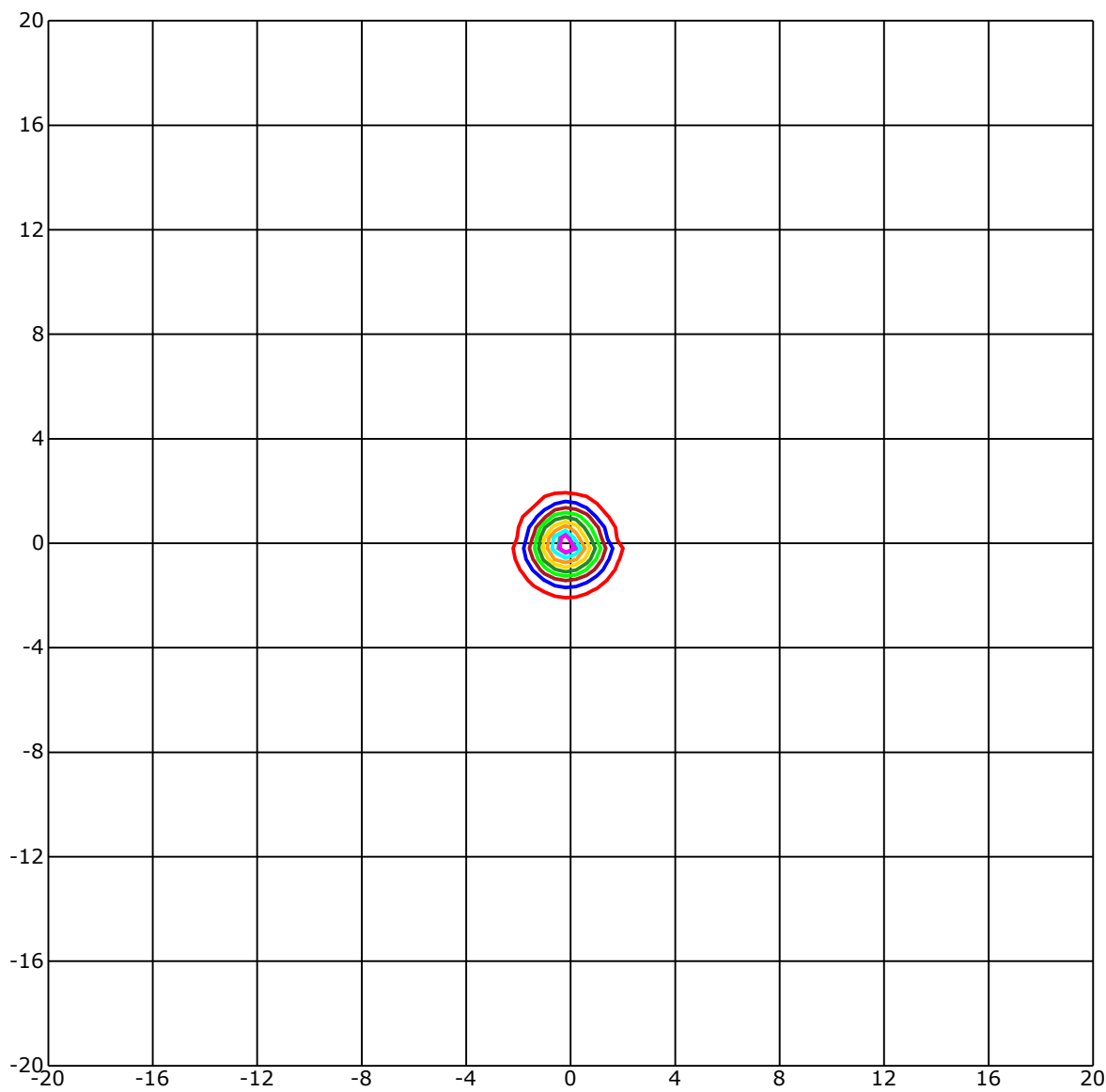
ISOCANDELA DIAGRAM (SPHERE)



Unit of intensity:cd I_{max}(100%): 14861.74 cd

14118.65(95%I _{max})	7430.87(50%I _{max})
13375.57(90%I _{max})	5944.696(40%I _{max})
11889.39(80%I _{max})	4458.522(30%I _{max})
10403.22(70%I _{max})	2972.348(20%I _{max})
8917.044(60%I _{max})	1486.174(10%I _{max})

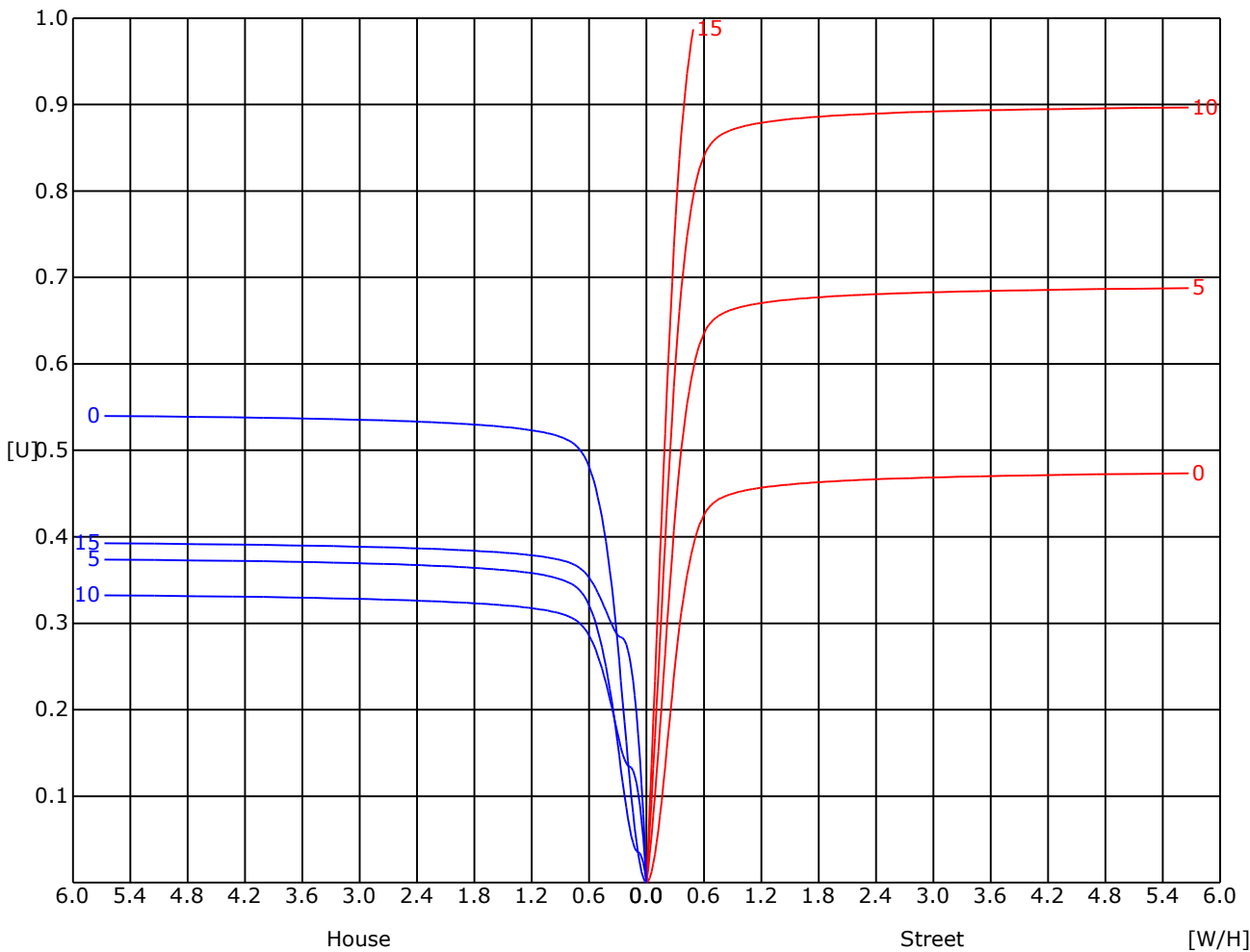
ISOLX DIAGRAM



Unit of illumination:lx Height of plane:4.0(m)/13.12(ft)

- | | |
|------------------|------------------|
| 852.989(92%Emax) | 463.581(50%Emax) |
| 834.446(90%Emax) | 370.865(40%Emax) |
| 741.73(80%Emax) | 278.149(30%Emax) |
| 649.014(70%Emax) | 185.432(20%Emax) |
| 556.297(60%Emax) | 92.716(10%Emax) |

UTILIZATION FACTOR DIAGRAM (ROAD)

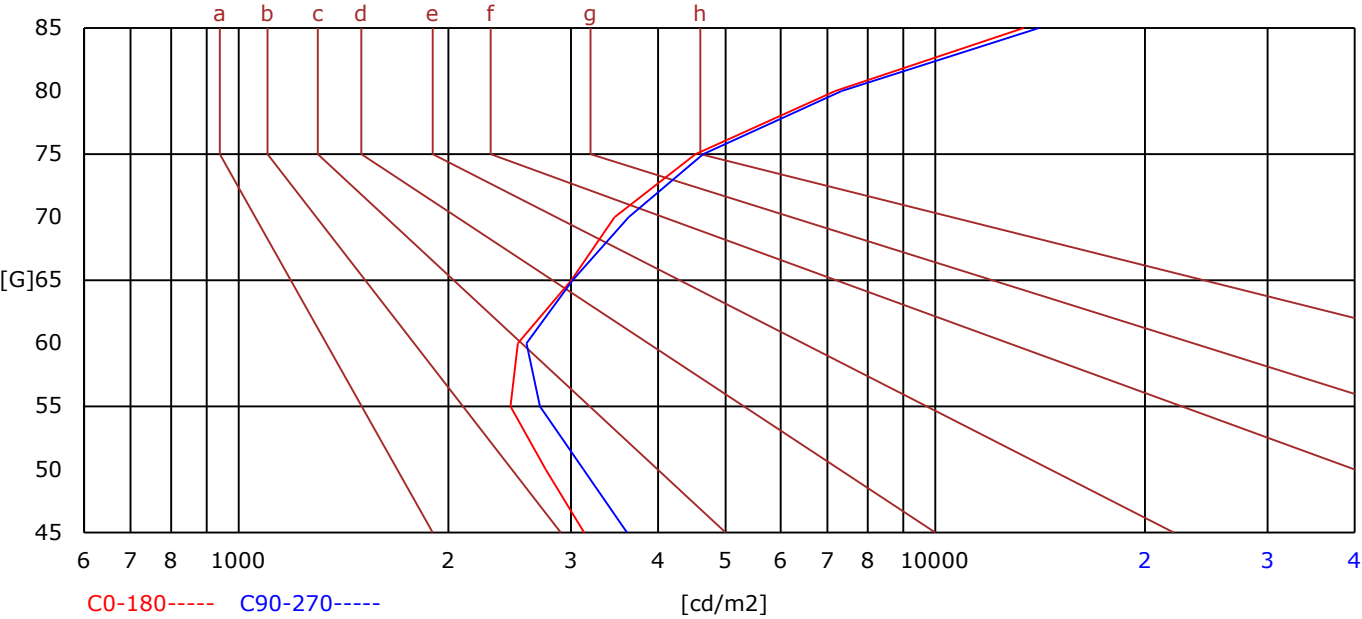


C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/27 15:14:23

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 1
Test Distance: 7.061 m
Remarks:

BRIGHT LIMIT DIAGRAM

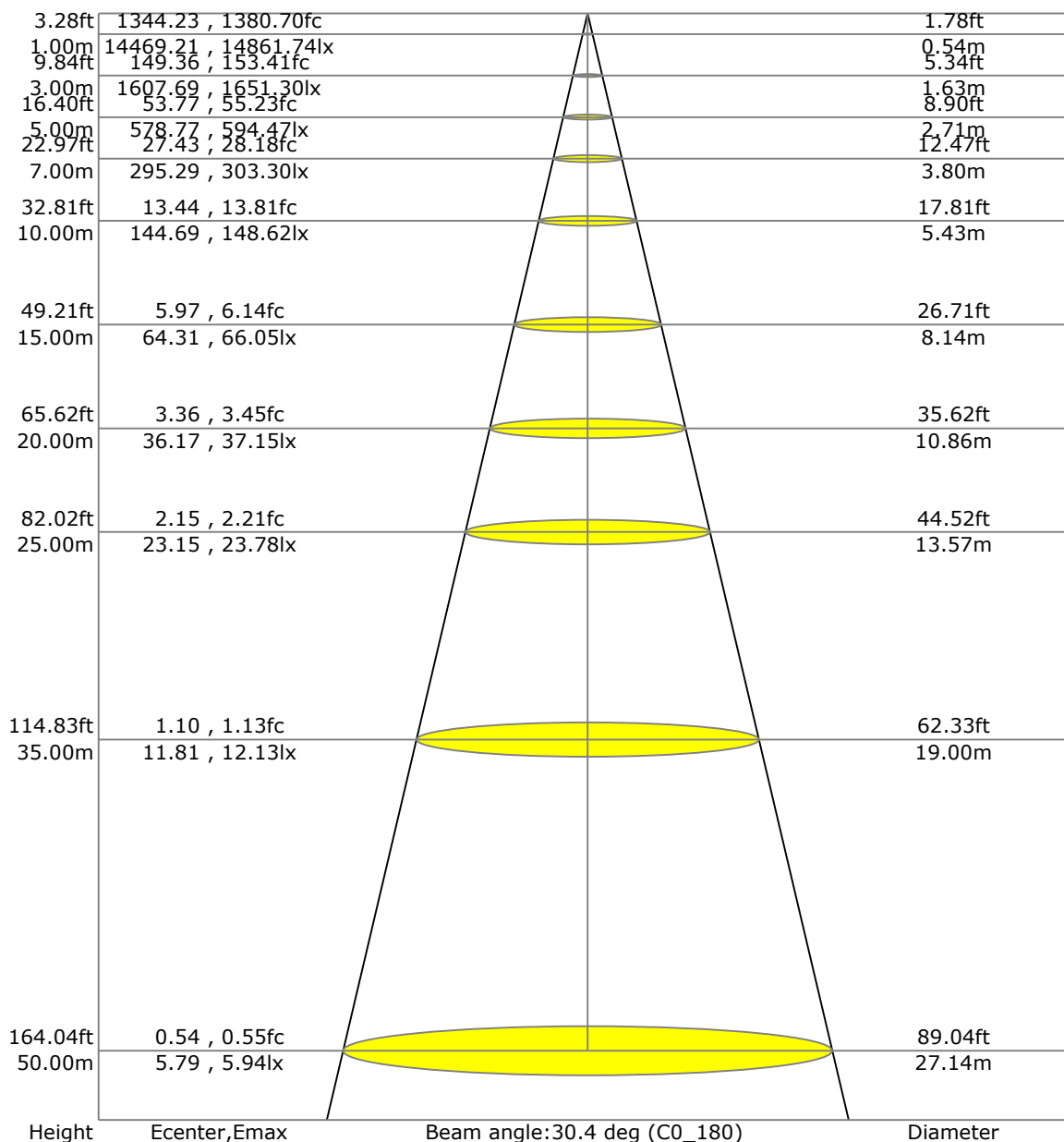
C/G	45	50	55	60	65	70	75	80	85
C0	3133	2761	2456	2516	3003	3465	4530	7182	13390
C90	3611	3128	2709	2591	3016	3630	4642	7333	14087
Dazzle	Quality	Illuminance	---	---	---	---	---	---	---
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
---	---	a	b	c	d	e	f	g	h



Report No.: KUPU-YT200-30D

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LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/27 15:14:23

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

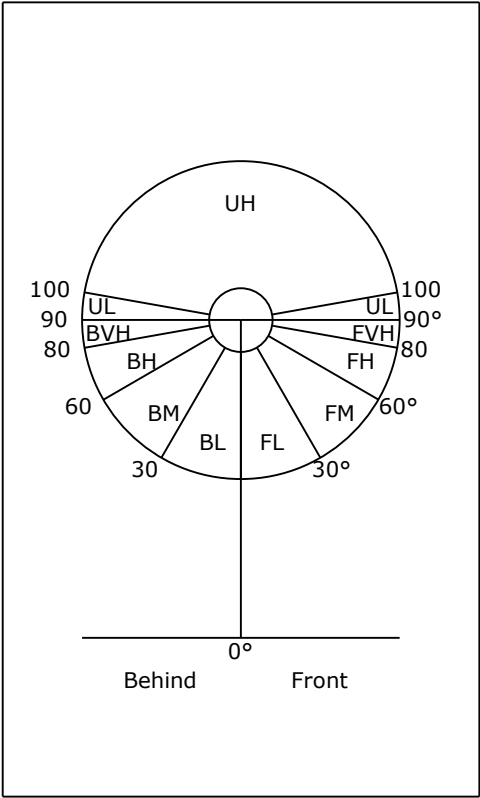
Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	2157.2	46.1
FL (0°-30°)	1893.4	40.5
FM (30°-60°)	190.8	4.1
FH (60°-80°)	48.5	1.0
FVH (80°-90°)	24.5	0.5

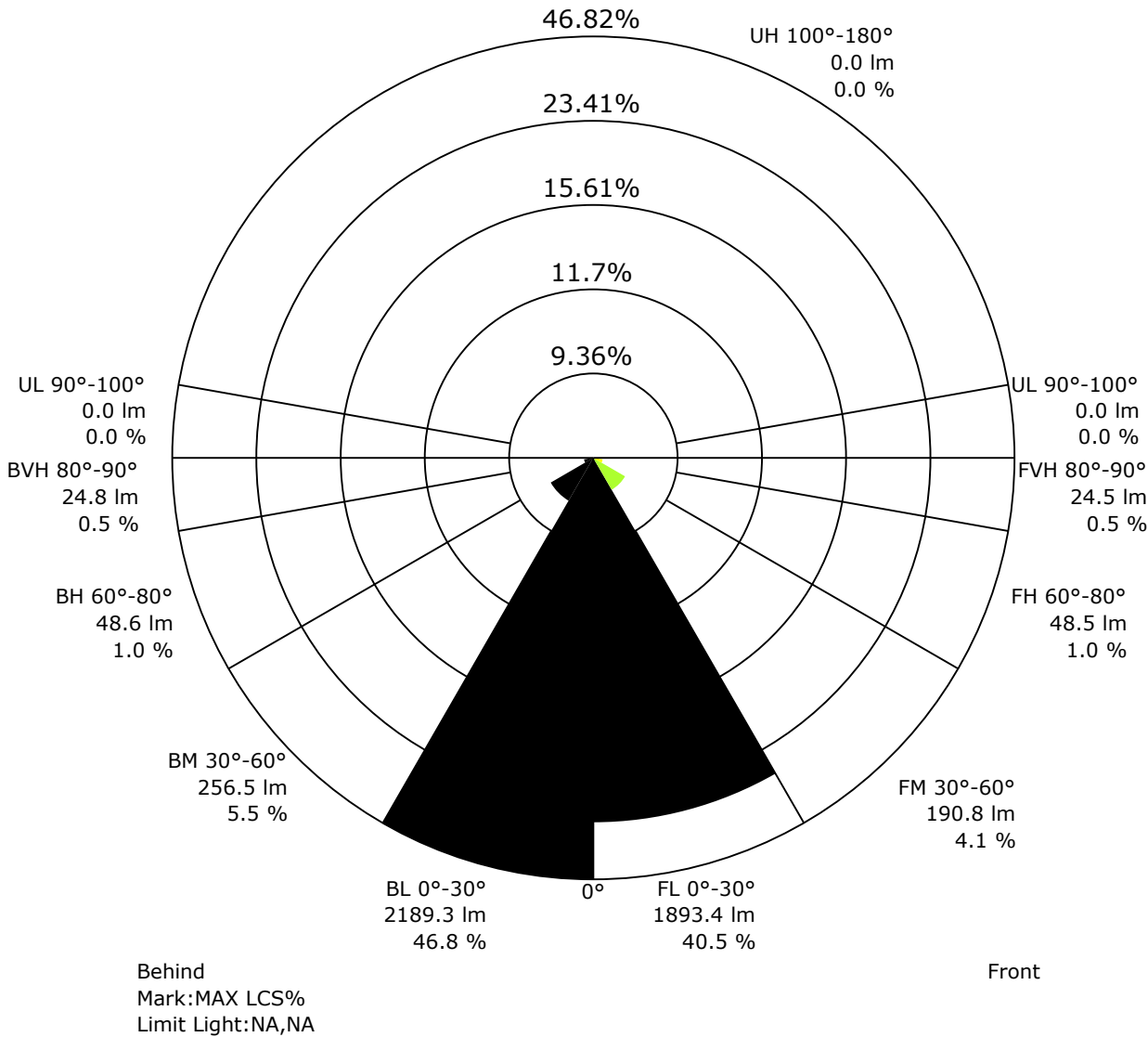
Behind	2519.2	53.9
BL (0°-30°)	2189.3	46.8
BM (30°-60°)	256.5	5.5
BH (60°-80°)	48.6	1.0
BVH (80°-90°)	24.8	0.5

Above	0.0	0.0
UL (90°-100°)	0.0	0.0
UH (100°-180°)	0.0	0.0

Limit Light	NA	NA
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BUG Class(TM-15-07)	
Asymmetric Lighting Fixtures (Type I , II , III , IV)	B3 U0 G1
Symmetrical Lighting Fixtures (Type V , Area Light)	B3 U0 G1

LCS 图



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	8.89	9.11	9.20	9.55	10.08	9.37	9.58	9.67	10.03	10.55
3H	8.92	9.13	9.24	9.57	10.11	9.39	9.59	9.70	10.03	10.57
4H	8.93	9.12	9.25	9.57	10.11	9.38	9.57	9.70	10.02	10.56
6H	8.89	9.08	9.22	9.52	10.07	9.33	9.52	9.67	9.97	10.52
8H	8.84	9.03	9.18	9.47	10.02	9.29	9.47	9.62	9.92	10.47
12H	8.79	8.97	9.13	9.42	9.98	9.24	9.42	9.58	9.86	10.42
4H 2H	11.89	12.08	12.21	12.53	13.07	12.05	12.24	12.37	12.69	13.23
3H	12.30	12.48	12.64	12.93	13.49	12.44	12.62	12.78	13.06	13.62
4H	12.47	12.64	12.82	13.09	13.65	12.60	12.77	12.95	13.21	13.78
6H	12.59	12.75	12.95	13.19	13.77	12.71	12.87	13.08	13.31	13.89
8H	12.63	12.78	13.00	13.22	13.81	12.75	12.90	13.12	13.34	13.93
12H	12.62	12.76	13.00	13.20	13.80	12.75	12.89	13.12	13.33	13.92
8H 4H	14.26	14.45	14.60	14.89	15.45	14.46	14.64	14.79	15.09	15.64
6H	15.86	16.00	16.25	16.44	17.04	15.95	16.09	16.34	16.53	17.13
8H	16.04	16.16	16.43	16.60	17.21	16.12	16.24	16.51	16.68	17.29
12H	16.17	16.27	16.56	16.71	17.33	16.26	16.37	16.66	16.81	17.43
12H 4H	16.75	16.89	17.12	17.33	17.92	16.80	16.95	17.18	17.39	17.98
6H	17.34	17.46	17.73	17.90	18.51	17.36	17.49	17.75	17.92	18.53

ZONAL LUMINOUS FLUX TABLE-2

γ	C0	C5	C10	C15	C20	C25	C30	C35	γ	φ zonal	φ total	%lum	%lamp
10	8911.9	7234.7	7808.9	7263.4	7863.5	7319.0	7948.1	7417.1	10	1067.5	1067.5	22.8	22.8
20	4025.7	2669.1	3157.3	2691.2	3194.3	2723.4	3254.9	2780.3	20	1926.0	2993.5	64.0	64.0
30	1046.8	545.5	734.6	548.7	741.8	560.3	755.6	572.2	30	1089.2	4082.7	87.3	87.3
40	167.5	115.9	141.5	118.5	139.7	116.3	142.3	129.1	40	303.8	4386.6	93.8	93.8
50	79.6	64.1	68.4	65.3	70.5	64.5	69.8	67.3	50	88.0	4474.5	95.7	95.7
60	47.9	45.4	51.4	45.6	48.9	52.1	53.6	48.3	60	55.5	4530.0	96.9	96.9
70	42.1	42.8	43.5	46.3	44.7	46.8	48.7	44.9	70	48.4	4578.4	97.9	97.9
80	43.0	45.0	44.8	46.2	47.6	46.8	46.9	45.8	80	48.8	4627.2	98.9	98.9
90	36.2	28.7	0.0	40.3	0.0	47.9	0.0	33.6	90	49.3	4676.4	100.0	100.0

Conical surface Flux(90deg) : 4438.0 lm

%lum = 94.9%

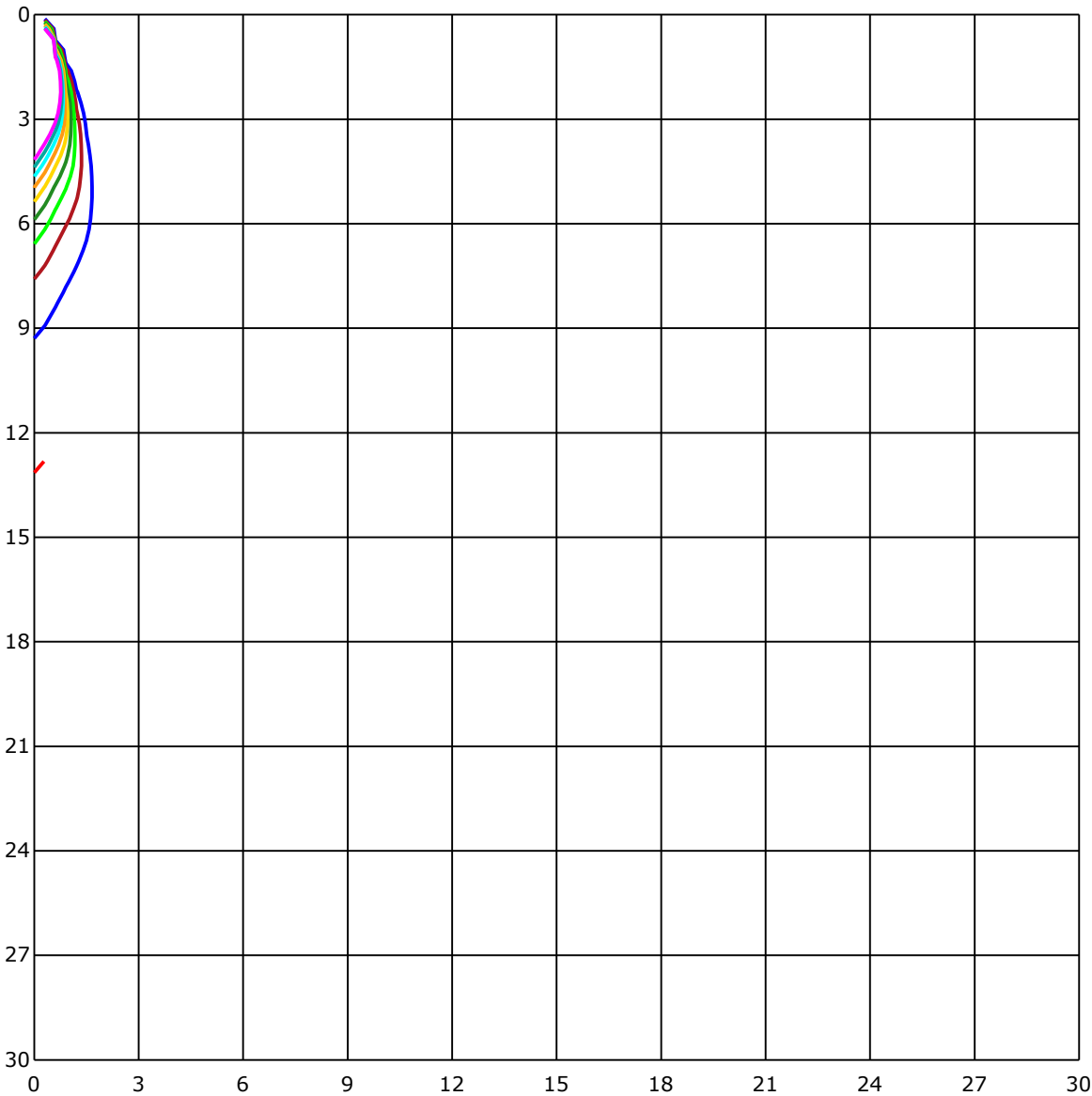
%lamp = 94.9%

Conical surface Flux(120deg) : 4530.0 lm

%lum = 96.9%

%lamp = 96.9%

SPACE ISOLX DIAGRAM



Unit of illumination:lx

- | | |
|---------|---------|
| 838.003 | 419.002 |
| 754.203 | 335.201 |
| 670.403 | 251.401 |
| 586.602 | 167.601 |
| 502.802 | 83.8 |

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C5	C10	C15	C20	C25	C30	C35	C40	C45
G0	14469.21	12621.88	13472.2	12687.49	13489.85	12772.0	13517.37	12884.58	13591.26	13014.61
G1	13966.39	11867.13	12904.62	11945.26	12962.51	12053.1	13038.19	12187.92	13159.3	12359.78
G2	13342.77	11109.35	12159.85	11173.96	12255.48	11276.42	12364.56	11430.23	12506.26	11624.68
G3	12666.15	10434.57	11386.46	10486.03	11465.83	10586.49	11598.75	10729.78	11765.97	10924.87
G4	11987.99	9858.42	10670.1	9906.13	10752.91	9989.19	10874.22	10112.09	11040.69	10284.95
G5	11347.02	9358.0	10063.18	9401.87	10129.59	9471.42	10237.83	9591.83	10391.25	9751.37
G6	10777.05	8899.45	9536.44	8935.9	9591.78	9007.1	9688.8	9117.38	9830.15	9272.29
G7	10250.7	8475.76	9059.4	8510.71	9118.68	8576.97	9209.42	8681.63	9340.4	8831.6
G8	9776.9	8069.62	8626.63	8100.23	8668.01	8167.29	8759.55	8263.67	8893.42	8415.53
G9	9331.42	7664.98	8214.41	7692.1	8263.72	7750.68	8345.93	7850.25	8470.03	7995.48
G10	8911.92	7234.7	7808.92	7263.42	7863.51	7318.96	7948.12	7417.13	8056.86	7565.71
G11	8500.29	6785.64	7396.54	6817.45	7432.74	6882.71	7508.92	6976.49	7625.64	7116.14
G12	8071.72	6320.46	6954.65	6345.09	6993.49	6409.46	7070.77	6505.49	7190.18	6641.25
G13	7621.65	5824.63	6491.82	5855.09	6538.14	5923.55	6615.37	6018.77	6733.09	6156.18
G14	7145.46	5314.78	6009.85	5353.32	6046.6	5414.0	6129.76	5511.32	6246.38	5639.56
G15	6656.65	4812.67	5507.53	4850.06	5544.23	4919.01	5631.68	5009.11	5744.71	5130.81
G16	6139.43	4318.33	4987.77	4354.37	5042.81	4423.68	5123.08	4522.94	5235.71	4629.59
G17	5586.76	3850.76	4493.28	3886.61	4547.42	3957.66	4626.8	4046.35	4731.95	4136.5
G18	5039.92	3414.21	4012.65	3448.56	4064.6	3503.15	4150.46	3590.9	4245.14	3680.6
G19	4519.35	3019.28	3566.67	3050.99	3611.49	3092.48	3686.93	3165.82	3780.31	3255.96
G20	4025.66	2669.08	3157.34	2691.22	3194.28	2723.43	3254.86	2780.32	3339.32	2867.57
G21	3576.54	2352.54	2793.63	2371.48	2824.09	2397.51	2869.16	2444.47	2940.96	2512.78
G22	3158.09	2066.95	2464.52	2079.17	2485.96	2104.59	2522.0	2147.82	2582.78	2209.69
G23	2797.42	1816.27	2170.51	1824.99	2188.26	1850.82	2220.96	1892.0	2272.37	1944.5
G24	2472.3	1595.25	1908.95	1596.3	1920.72	1619.88	1956.22	1661.46	2003.13	1709.42
G25	2173.95	1386.54	1678.06	1383.5	1685.29	1403.3	1723.73	1439.24	1767.71	1496.33
G26	1914.39	1187.51	1463.13	1186.86	1477.63	1200.13	1499.57	1228.0	1546.54	1280.3
G27	1685.04	998.85	1259.06	1001.84	1264.64	1002.69	1287.78	1031.96	1332.4	1078.42
G28	1465.72	828.64	1071.29	833.87	1071.14	843.14	1089.24	861.24	1128.08	894.95
G29	1249.93	675.87	896.79	680.56	898.44	691.63	914.64	706.73	943.86	731.71
G30	1046.81	545.54	734.55	548.73	741.78	560.3	755.64	572.17	779.43	591.21
G31	870.72	437.1	595.65	440.89	603.03	449.22	616.44	456.9	635.89	474.0
G32	709.18	351.15	479.48	356.83	484.77	364.96	497.23	370.84	511.04	381.21
G33	570.92	288.88	395.22	293.26	391.68	295.16	399.66	305.38	411.58	312.26
G34	455.9	239.97	315.3	243.9	319.64	245.55	325.42	254.87	333.85	259.46
G35	371.74	195.54	261.35	209.8	266.34	220.32	272.32	219.57	278.36	221.17
G36	298.85	179.54	222.71	183.33	227.9	186.22	230.34	191.55	236.28	192.35

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/27 15:14:23

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

Gamma\C	C0	C5	C10	C15	C20	C25	C30	C35	C40	C45
G37	249.29	158.95	195.19	162.54	198.58	166.33	201.28	169.07	206.96	171.06
G38	212.44	141.55	173.26	145.24	175.5	149.72	185.72	150.67	182.63	152.37
G39	187.47	127.98	155.71	131.08	156.35	135.31	158.3	135.41	163.93	136.56
G40	167.47	115.87	141.5	118.46	139.65	116.27	142.29	129.08	148.83	131.92
G41	150.52	106.15	129.08	116.02	126.44	114.02	129.23	111.43	132.07	120.76
G42	136.41	97.77	118.66	100.71	115.02	105.75	118.01	103.31	124.25	104.9
G43	123.0	97.87	109.39	94.03	112.03	87.9	110.09	96.18	115.12	98.67
G44	112.08	84.76	101.56	89.64	101.86	91.89	103.4	90.39	107.44	87.7
G45	102.21	79.97	94.18	84.21	92.19	85.71	97.27	88.8	100.06	88.6
G46	95.08	75.83	87.75	80.12	86.7	80.47	81.77	80.77	93.48	83.51
G47	94.93	67.81	81.47	76.03	82.27	75.24	85.11	77.03	90.54	78.68
G48	82.76	70.0	76.63	72.74	69.7	70.5	79.12	73.14	82.17	73.64
G49	77.28	67.21	79.02	60.58	74.19	67.26	73.94	70.2	76.73	68.9
G50	79.57	64.07	68.4	65.26	70.55	64.52	69.75	67.26	72.29	65.21
G51	69.45	54.49	71.7	61.77	66.16	62.07	66.16	63.72	68.85	61.87
G52	66.51	57.69	68.11	59.23	63.02	60.23	63.47	58.88	65.91	59.53
G53	64.07	54.39	64.82	62.42	60.38	58.33	61.13	59.13	63.27	57.39
G54	52.0	56.39	57.44	54.94	56.89	56.89	59.43	60.48	62.22	56.29
G55	59.03	50.85	55.79	53.35	55.04	56.14	57.93	54.25	55.49	59.73
G56	56.94	49.21	54.64	52.3	53.35	52.6	56.84	52.2	58.98	54.25
G57	54.15	48.16	53.45	51.25	51.65	48.61	55.94	50.85	58.23	51.6
G58	51.6	53.6	52.65	53.45	50.51	53.95	55.69	49.76	56.64	44.62
G59	49.26	45.97	52.03	49.51	49.66	53.15	54.99	48.76	54.84	53.2
G60	47.91	45.42	51.4	45.62	48.91	52.1	53.6	48.26	52.8	52.0
G61	46.37	45.12	49.86	50.81	47.86	50.95	45.82	49.96	50.66	50.85
G62	45.72	45.92	48.31	50.76	48.96	49.71	50.71	48.91	49.56	49.16
G63	51.7	46.72	47.46	49.81	49.06	48.46	49.76	49.56	56.24	48.16
G64	44.32	46.42	46.32	49.11	49.26	51.1	49.11	48.99	48.51	47.76
G65	44.47	45.82	45.57	48.01	48.44	47.12	48.41	48.41	47.86	47.56
G66	44.97	45.27	44.42	50.21	47.61	46.87	48.21	48.11	52.45	46.87
G67	41.18	44.72	44.12	46.82	46.82	46.62	54.74	47.02	47.96	46.77
G68	45.32	43.87	50.85	46.37	45.77	46.52	47.91	45.72	48.86	46.67
G69	45.52	43.18	43.82	46.32	45.17	46.37	48.46	45.47	48.66	46.67
G70	42.08	42.78	43.53	46.32	44.72	46.77	48.66	44.87	39.99	47.76
G71	38.64	42.23	43.58	46.22	51.95	50.76	48.91	44.62	38.39	48.61
G72	43.68	42.33	43.68	51.85	44.27	47.71	49.81	51.75	41.71	48.91
G73	42.73	49.61	44.07	47.36	44.97	48.31	50.46	44.47	45.02	49.01

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/27 15:14:23

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

[illegible]

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/27 15:14:23

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 1
Test Distance: 7.061 m
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 3)

Gamma\C	C50	C55	C60	C65	C70	C75	C80	C85	C90	C95
G0	13592.41	13148.13	13638.28	13321.38	13690.68	13498.73	13773.2	13689.04	13841.8	13884.68
G1	13235.83	12561.05	13361.02	12792.59	13480.98	13048.31	13680.91	13330.46	13842.05	13616.89
G2	12694.12	11851.38	12896.35	12127.34	13093.43	12435.66	13358.58	12783.42	13617.44	13133.62
G3	11976.22	11150.98	12217.04	11428.09	12497.34	11771.26	12813.29	12139.31	13152.07	12536.47
G4	11257.57	10509.96	11511.15	10786.12	11804.66	11119.52	12173.76	11488.61	12548.04	11885.98
G5	10595.91	9963.37	10852.58	10213.5	11146.79	10533.29	11508.86	10908.17	11914.1	11281.8
G6	10027.14	9467.18	10265.41	9716.42	10561.81	10012.93	10905.53	10370.56	11291.18	10738.46
G7	9516.49	9017.67	9741.65	9252.85	10028.43	9554.09	10356.35	9892.62	10732.97	10253.89
G8	9058.15	8599.76	9280.37	8829.0	9546.56	9115.19	9869.93	9447.79	10232.9	9800.23
G9	8638.25	8183.9	8846.85	8400.98	9108.01	8689.25	9418.32	9016.27	9772.86	9368.42
G10	8220.14	7739.86	8425.51	7952.06	8679.58	8237.94	8987.85	8561.92	9336.41	8917.45
G11	7801.34	7287.95	7987.36	7497.26	8235.25	7776.21	8552.1	8101.38	8893.07	8440.11
G12	7343.94	6803.98	7543.57	7009.9	7784.34	7280.42	8092.71	7587.15	8431.79	7926.18
G13	6876.93	6304.56	7070.47	6527.67	7307.95	6768.88	7605.1	7065.04	7936.1	7387.12
G14	6392.51	5798.4	6573.34	6002.72	6803.58	6242.14	7088.77	6515.21	7399.68	6823.93
G15	5881.67	5289.01	6063.6	5477.07	6290.95	5708.36	6553.45	5968.47	6851.85	6264.07
G16	5364.29	4779.36	5548.67	4955.96	5762.41	5170.84	6008.95	5421.73	6295.48	5699.64
G17	4861.83	4276.7	5027.8	4436.54	5233.22	4648.63	5468.4	4897.23	5739.02	5148.41
G18	4359.11	3798.46	4511.83	3947.19	4705.57	4146.87	4936.41	4371.38	5190.64	4610.54
G19	3873.99	3363.05	4022.57	3497.47	4198.32	3668.38	4422.13	3866.22	4658.41	4089.43
G20	3440.58	2969.58	3562.83	3086.89	3728.86	3238.96	3924.45	3411.02	4137.54	3609.05
G21	3037.93	2614.19	3153.7	2720.24	3297.19	2855.8	3467.01	3002.63	3660.45	3173.24
G22	2677.11	2299.94	2782.21	2394.37	2902.32	2509.24	3052.89	2636.78	3219.11	2786.6
G23	2353.98	2029.56	2454.84	2111.18	2558.7	2207.85	2685.99	2322.07	2834.01	2455.39
G24	2071.44	1773.04	2165.42	1861.04	2255.16	1938.57	2363.95	2043.82	2496.97	2165.32
G25	1826.29	1546.49	1915.78	1630.45	1985.88	1697.81	2081.71	1780.17	2206.25	1898.83
G26	1598.59	1330.75	1682.55	1409.38	1748.26	1470.4	1821.95	1554.76	1938.87	1648.5
G27	1392.48	1133.37	1460.33	1190.35	1520.51	1251.13	1598.34	1321.88	1688.68	1393.32
G28	1178.09	942.96	1241.71	987.28	1299.94	1047.41	1368.0	1108.54	1446.17	1182.73
G29	988.98	770.35	1036.99	808.54	1094.93	860.29	1153.86	913.79	1228.94	982.7
G30	808.59	618.73	849.63	654.13	902.97	694.27	955.17	744.87	1015.45	806.6
G31	655.08	496.93	689.73	525.1	733.41	555.12	780.17	603.43	837.31	653.49
G32	527.44	404.84	555.91	421.0	587.92	445.58	639.97	491.8	681.65	526.0
G33	425.29	322.78	446.87	330.66	471.6	368.8	507.8	388.59	552.42	420.4
G34	345.91	271.18	358.98	279.1	380.71	296.8	408.04	321.93	441.29	340.08
G35	287.68	229.35	293.46	233.78	313.26	248.09	334.3	264.69	360.22	282.84
G36	243.21	192.6	246.55	205.01	260.66	214.34	280.85	229.15	299.55	239.72

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/27 15:14:23

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 4)

Gamma\C	C100	C105	C110	C115	C120	C125	C130	C135	C140	C145
G0	13862.99	14059.28	13982.05	14222.71	14014.36	14370.09	14133.12	14496.73	14193.45	14609.86
G1	13987.98	13875.4	14141.74	14122.15	14263.6	14322.98	14394.42	14499.97	14506.45	14627.51
G2	13852.32	13464.23	14080.97	13771.3	14282.14	14037.99	14459.24	14232.88	14594.6	14392.78
G3	13461.78	12912.45	13772.7	13246.1	14029.17	13550.48	14254.87	13776.58	14425.08	13943.36
G4	12935.49	12276.07	13271.33	12651.6	13582.99	12966.35	13837.31	13217.93	14031.21	13421.4
G5	12295.86	11675.78	12673.18	12047.52	13008.48	12390.89	13305.78	12662.61	13515.48	12892.46
G6	11670.84	11125.65	12061.63	11488.76	12416.02	11843.9	12724.09	12128.54	12968.19	12378.23
G7	11102.77	10623.63	11491.86	10990.19	11841.01	11330.81	12165.53	11636.29	12430.23	11884.58
G8	10594.32	10160.3	10969.2	10516.34	11323.39	10858.21	11648.06	11149.98	11926.27	11401.76
G9	10127.25	9710.04	10488.17	10055.01	10841.21	10389.95	11171.17	10683.46	11439.7	10932.4
G10	9679.98	9254.89	10027.98	9586.04	10377.04	9908.87	10693.38	10195.5	10969.05	10444.79
G11	9232.1	8774.31	9568.89	9097.94	9902.54	9420.47	10222.18	9705.7	10484.78	9945.87
G12	8765.44	8240.78	9095.05	8578.67	9415.73	8892.37	9730.18	9169.68	9993.08	9401.22
G13	8267.36	7708.05	8586.2	8030.28	8907.73	8343.64	9210.12	8609.78	9467.43	8824.82
G14	7727.15	7131.9	8046.09	7446.05	8376.0	7753.57	8660.04	8001.12	8911.32	8211.87
G15	7166.5	6559.98	7468.49	6857.03	7790.17	7145.01	8079.54	7379.74	8306.9	7578.22
G16	6594.68	5977.49	6889.04	6259.09	7189.83	6523.14	7459.41	6727.9	7678.49	6912.17
G17	6020.17	5407.37	6307.3	5652.77	6586.4	5892.19	6831.31	6080.5	7029.14	6252.36
G18	5453.79	4841.33	5714.49	5057.87	5963.63	5273.55	6191.68	5450.25	6378.15	5592.99
G19	4900.67	4306.96	5136.24	4492.93	5348.64	4688.57	5556.49	4845.37	5719.73	4971.36
G20	4363.7	3815.96	4568.26	3977.7	4764.3	4151.75	4950.37	4284.42	5091.42	4383.69
G21	3866.87	3365.0	4063.5	3519.21	4227.49	3666.99	4395.46	3782.95	4516.21	3855.35
G22	3419.19	2960.1	3583.92	3109.38	3737.63	3232.28	3881.67	3329.3	3979.99	3386.29
G23	3001.19	2605.76	3170.35	2749.11	3307.46	2856.6	3430.11	2934.97	3506.09	2988.87
G24	2638.82	2286.13	2798.22	2419.8	2924.8	2518.21	3027.16	2581.08	3084.75	2627.55
G25	2328.41	2005.18	2466.76	2129.32	2585.87	2221.66	2673.52	2268.73	2725.07	2319.83
G26	2045.96	1744.67	2164.07	1860.14	2282.34	1950.43	2352.79	1988.73	2400.4	2039.63
G27	1787.8	1499.17	1892.4	1603.47	2007.52	1693.47	2066.45	1727.42	2114.12	1766.11
G28	1536.17	1273.02	1636.83	1364.41	1747.61	1449.31	1808.19	1482.52	1835.16	1504.21
G29	1299.64	1056.73	1400.4	1136.61	1498.42	1212.39	1552.52	1254.72	1587.52	1274.16
G30	1090.64	867.87	1178.19	932.89	1262.15	988.73	1315.0	1032.01	1342.32	1061.87
G31	903.62	702.99	973.72	756.99	1032.55	803.86	1093.68	842.79	1120.6	873.81
G32	728.97	565.69	786.85	606.72	842.05	647.9	891.9	679.56	928.0	706.93
G33	592.36	453.81	643.26	488.76	683.1	516.38	721.09	537.57	754.85	572.52
G34	479.08	365.56	511.99	388.99	547.94	412.07	580.34	441.14	607.72	457.0
G35	387.49	301.64	422.39	316.3	439.55	334.15	467.47	359.08	489.0	373.93
G36	317.84	252.38	345.96	262.3	354.74	277.06	379.02	296.25	394.87	303.58

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/27 15:14:23

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 5)

Gamma\C	C150	C155	C160	C165	C170	C175	C180	C185	C190	C195
G0	14311.46	14697.96	14337.19	14756.54	14439.44	14808.34	14469.21	12621.88	13472.2	12687.49
G1	14603.97	14721.84	14661.01	14771.35	14725.08	14813.63	14796.08	13309.87	13827.79	13356.98
G2	14694.81	14482.02	14767.86	14541.25	14823.1	14569.07	14861.74	13769.7	13990.53	13786.41
G3	14540.55	14073.79	14617.83	14140.2	14647.25	14173.6	14684.99	13998.75	13968.64	13966.34
G4	14169.31	13567.43	14255.62	13657.08	14305.63	13720.05	14329.51	13980.35	13790.54	13911.65
G5	13686.64	13071.95	13785.56	13177.79	13857.8	13265.14	13891.71	13728.32	13486.17	13655.08
G6	13170.17	12565.99	13289.63	12709.63	13381.76	12802.12	13449.02	13349.6	13115.12	13277.81
G7	12646.21	12085.86	12800.67	12222.52	12907.87	12333.15	12995.32	12918.88	12728.23	12862.84
G8	12152.77	11594.91	12318.4	11741.49	12441.94	11852.78	12522.41	12487.81	12334.65	12448.38
G9	11664.06	11125.2	11831.59	11270.89	11962.01	11373.89	12055.2	12061.93	11919.78	12030.97
G10	11191.16	10647.86	11353.95	10797.44	11484.18	10886.43	11572.38	11615.85	11492.6	11578.86
G11	10710.73	10140.46	10886.33	10293.13	11001.95	10384.12	11074.05	11174.41	11049.52	11124.5
G12	10220.73	9603.99	10380.73	9745.19	10504.22	9825.81	10569.14	10702.01	10594.42	10664.17
G13	9691.84	9022.75	9869.24	9166.54	9979.77	9249.35	10040.6	10242.12	10127.75	10201.79
G14	9127.4	8389.81	9292.98	8515.7	9408.4	8589.29	9462.1	9756.21	9625.88	9706.0
G15	8514.35	7730.44	8675.44	7845.51	8774.71	7901.2	8821.93	9235.65	9095.64	9186.44
G16	7865.21	7047.19	8006.1	7147.25	8095.0	7189.48	8128.2	8666.72	8517.44	8619.9
G17	7197.06	6362.64	7317.37	6441.92	7403.77	6471.63	7409.21	8053.27	7881.81	8001.37
G18	6523.28	5693.35	6626.89	5756.92	6683.43	5766.34	6690.46	7384.48	7202.8	7322.45
G19	5851.85	5058.56	5936.41	5109.82	5981.28	5105.48	5972.86	6699.58	6506.43	6635.66
G20	5212.33	4457.33	5281.08	4500.61	5304.71	4502.4	5290.55	6000.13	5814.16	5943.54
G21	4610.54	3918.42	4671.27	3974.41	4692.71	3966.88	4674.81	5344.7	5162.07	5289.26
G22	4054.58	3440.88	4111.57	3491.19	4132.31	3492.23	4119.3	4710.21	4555.0	4657.91
G23	3568.72	3027.16	3620.37	3080.56	3651.28	3090.03	3634.78	4164.32	4013.15	4120.39
G24	3136.25	2675.52	3185.36	2706.53	3213.58	2719.54	3203.61	3662.8	3542.59	3616.48
G25	2770.99	2355.88	2808.69	2381.8	2843.83	2401.7	2833.46	3240.5	3121.84	3201.12
G26	2446.57	2072.89	2481.37	2086.99	2505.1	2119.9	2500.56	2851.16	2749.3	2809.23
G27	2158.49	1800.56	2181.08	1828.38	2207.05	1851.87	2213.93	2522.5	2425.33	2480.37
G28	1880.38	1543.45	1915.93	1580.84	1932.73	1603.92	1950.33	2224.65	2137.15	2181.43
G29	1617.48	1298.59	1651.64	1342.27	1676.91	1358.07	1693.92	1966.49	1877.79	1924.56
G30	1369.39	1082.61	1403.15	1110.93	1432.81	1128.98	1437.55	1717.1	1640.32	1681.7
G31	1150.17	900.48	1176.89	910.1	1211.84	928.15	1206.01	1486.46	1414.96	1458.39
G32	953.83	734.2	976.91	740.39	990.82	746.62	996.86	1266.04	1200.82	1240.71
G33	780.82	582.39	801.51	596.55	807.94	603.13	805.1	1052.75	995.06	1041.18
G34	632.1	471.11	637.43	477.69	651.29	477.74	656.03	872.36	811.09	857.35
G35	507.95	381.36	520.32	386.2	523.95	385.0	524.5	703.64	658.42	701.7
G36	409.53	312.81	420.2	316.55	423.34	313.21	418.36	564.84	529.19	555.91

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/27 15:14:23

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 6)

Gamma\C	C200	C205	C210	C215	C220	C225	C230	C235	C240	C245
G0	13489.85	12772.0	13517.37	12884.58	13591.26	13014.61	13592.41	13148.13	13638.28	13321.38
G1	13816.42	13390.94	13796.48	13449.02	13780.97	13500.82	13744.58	13575.31	13725.98	13652.79
G2	13936.38	13777.98	13870.42	13765.32	13783.62	13743.98	13714.76	13732.06	13640.12	13720.79
G3	13889.86	13907.01	13783.71	13832.83	13647.55	13745.67	13530.24	13651.64	13418.66	13551.73
G4	13681.86	13804.36	13557.21	13686.24	13397.62	13539.76	13244.6	13397.92	13119.76	13235.13
G5	13358.53	13530.89	13221.52	13378.27	13060.98	13203.67	12888.37	13013.96	12728.73	12823.41
G6	13002.74	13154.31	12868.08	12993.02	12700.21	12816.13	12502.62	12608.37	12334.3	12388.55
G7	12616.1	12747.92	12494.09	12587.68	12313.91	12395.58	12105.6	12175.21	11921.43	11951.69
G8	12227.16	12340.38	12102.36	12174.36	11936.54	11981.06	11706.89	11767.87	11511.0	11509.55
G9	11811.44	11915.8	11682.21	11747.78	11527.25	11554.38	11293.92	11323.93	11087.16	11084.77
G10	11375.44	11471.86	11249.8	11306.28	11088.51	11107.9	10848.84	10882.74	10652.9	10646.32
G11	10922.03	11005.74	10795.29	10845.85	10645.92	10650.06	10393.54	10427.19	10199.74	10188.63
G12	10464.74	10544.96	10336.9	10390.3	10185.83	10189.37	9944.12	9965.41	9731.28	9732.78
G13	10006.34	10083.77	9870.28	9916.2	9712.03	9715.18	9471.12	9491.51	9257.43	9260.72
G14	9509.41	9597.61	9390.15	9436.72	9215.8	9227.62	8983.06	9011.68	8764.54	8772.42
G15	9018.71	9085.37	8868.69	8905.54	8681.23	8696.88	8456.72	8481.65	8236.05	8242.88
G16	8443.35	8508.42	8295.08	8323.9	8085.23	8118.93	7898.91	7901.3	7662.28	7665.28
G17	7790.32	7887.09	7649.12	7709.2	7447.45	7507.08	7249.76	7296.73	7032.18	7062.35
G18	7096.0	7199.65	6961.09	7030.29	6782.79	6838.24	6574.89	6637.86	6380.44	6401.58
G19	6396.75	6522.04	6274.59	6361.35	6120.83	6183.21	5914.07	5987.36	5733.59	5775.92
G20	5724.31	5840.48	5607.4	5693.75	5468.1	5525.33	5287.46	5345.75	5110.62	5155.34
G21	5090.32	5208.44	4983.88	5076.46	4857.29	4921.51	4692.21	4752.04	4526.63	4581.53
G22	4507.44	4586.16	4410.76	4476.28	4286.02	4337.47	4153.0	4192.29	3996.65	4043.11
G23	3961.4	4045.41	3880.38	3950.83	3779.46	3839.34	3666.24	3715.0	3539.75	3584.77
G24	3477.93	3550.82	3406.78	3468.0	3330.25	3383.4	3234.87	3277.25	3137.75	3154.55
G25	3057.97	3129.87	2993.16	3057.72	2927.8	2992.26	2866.47	2901.12	2764.76	2803.55
G26	2700.39	2749.6	2640.71	2685.64	2579.69	2627.15	2519.41	2555.31	2437.2	2466.61
G27	2377.27	2434.4	2335.59	2378.31	2274.36	2326.31	2229.19	2264.44	2158.49	2181.23
G28	2098.96	2150.01	2059.77	2097.37	2004.88	2053.84	1965.29	2004.48	1912.49	1922.96
G29	1844.49	1893.5	1804.0	1854.71	1764.37	1804.55	1725.58	1769.85	1680.7	1696.21
G30	1607.46	1646.6	1564.24	1607.61	1536.22	1577.6	1503.26	1542.65	1459.04	1474.44
G31	1378.42	1418.8	1339.33	1386.34	1316.59	1368.2	1293.56	1330.05	1244.45	1271.57
G32	1162.18	1204.01	1139.1	1177.99	1117.86	1160.04	1093.23	1121.2	1049.7	1073.99
G33	977.01	1016.95	954.97	995.21	934.98	970.78	907.86	939.57	871.51	896.44
G34	806.85	851.02	792.34	825.29	768.71	795.28	741.63	767.46	711.07	732.46
G35	654.33	693.57	646.06	677.87	623.02	651.84	589.77	622.42	568.53	591.01
G36	525.45	558.71	522.21	536.12	501.97	525.5	481.38	495.59	454.45	467.57

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/27 15:14:23

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

