

Report No.: KUPU-YT130-30D

Test Time: 2025/9/29 11:33:23

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: GZAILITELED
Luminaire Type: KUPU-YT130
Lamp Type:
Luminous Width: 94 mm
Luminous Length: 94 mm
Luminous Height: 16 mm

Voltage(V): 220.03 V
Current(A): 0.0930 A
Power(W): 19.76 W
Power Factor: 0.9650
Lamp Luminous Flux: 1347.48

Photometric Results

CIE Class: Direct
Luminaire Luminous Flux: 1347.479 lm
Downward Ratio: 100.00%
Luminaire Efficacy Rating(LER): 68.19 lm/W
Beam Angle(50%) C0-180,C90-270: 30.1,30.5
Field Angle(10%) C0-180,C90-270: 58.1,58.2
S/MH C0-180,C90-270: 0.536,0.499

Max. Intensity: 3679.15 cd
Max.Intensity Angle: C=180 Gamma=2
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 3617.13 cd
Effective Luminous Flux: 1024.40 lm
ERP(ϕ use)(120deg): 1219.34 lm

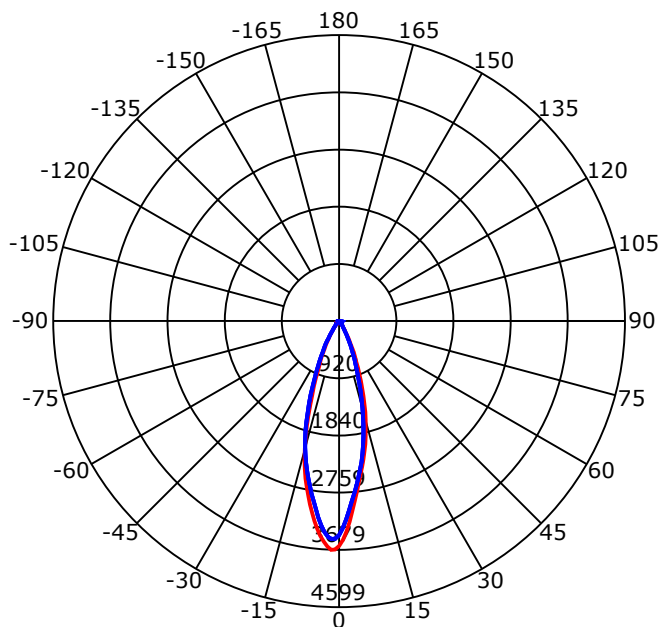
CIE Color Parameter

Chromaticity coordinates: $x=$ $y=$ $u=$ $v=$ $u^*=$ $v^*=0.0000$
Color temperature:K (duv=) Color difference:SDCM(CIE)= Main Wl: $\lambda_d=$ Purity:
Peak wavelength: $\lambda_p=$ 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



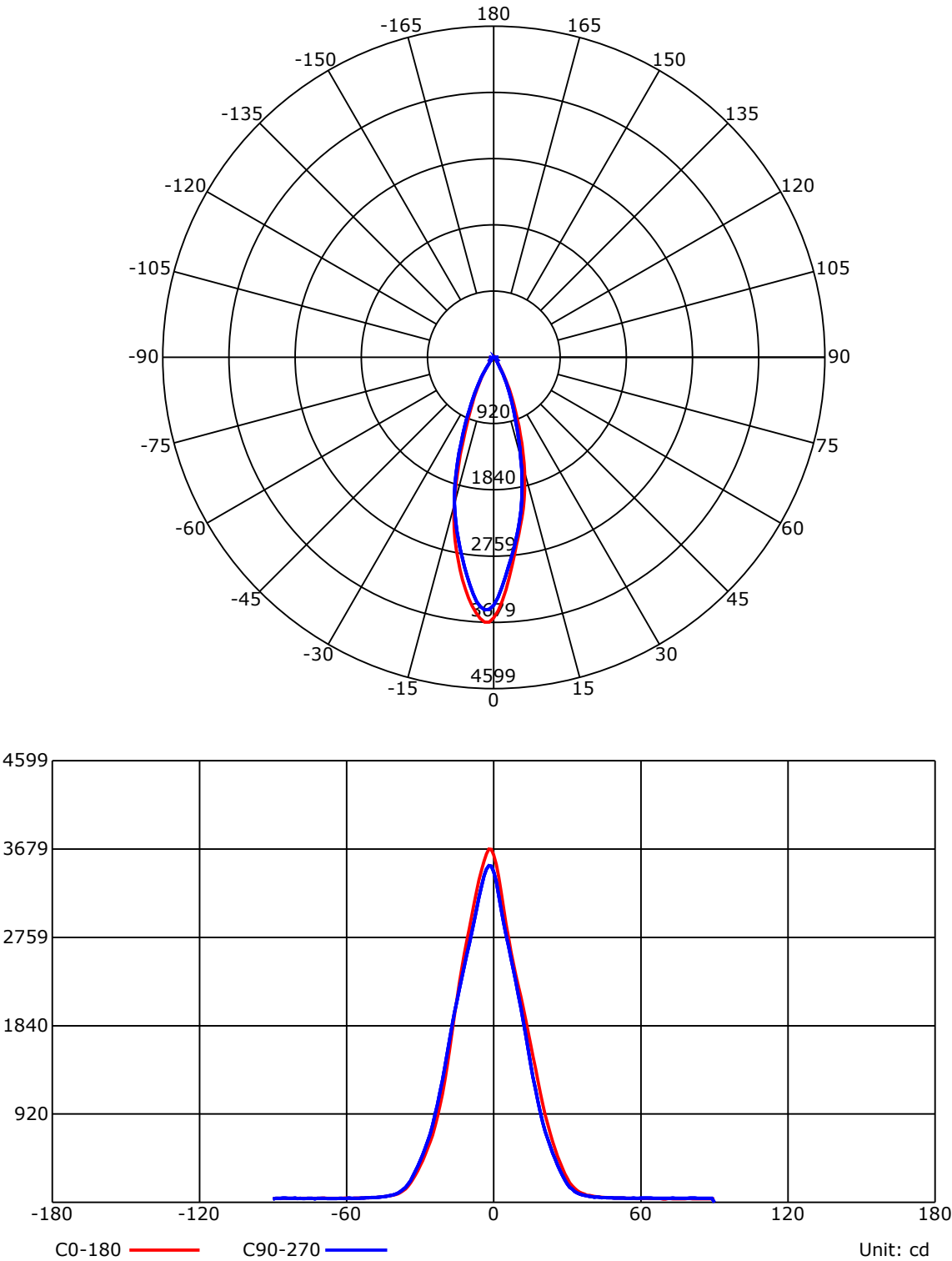
Beam Angle(50%) C0-180,C90-270: 30.1 deg,30.5 deg

C0-180 — C90-270 —

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025/9/29 11:33:23

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

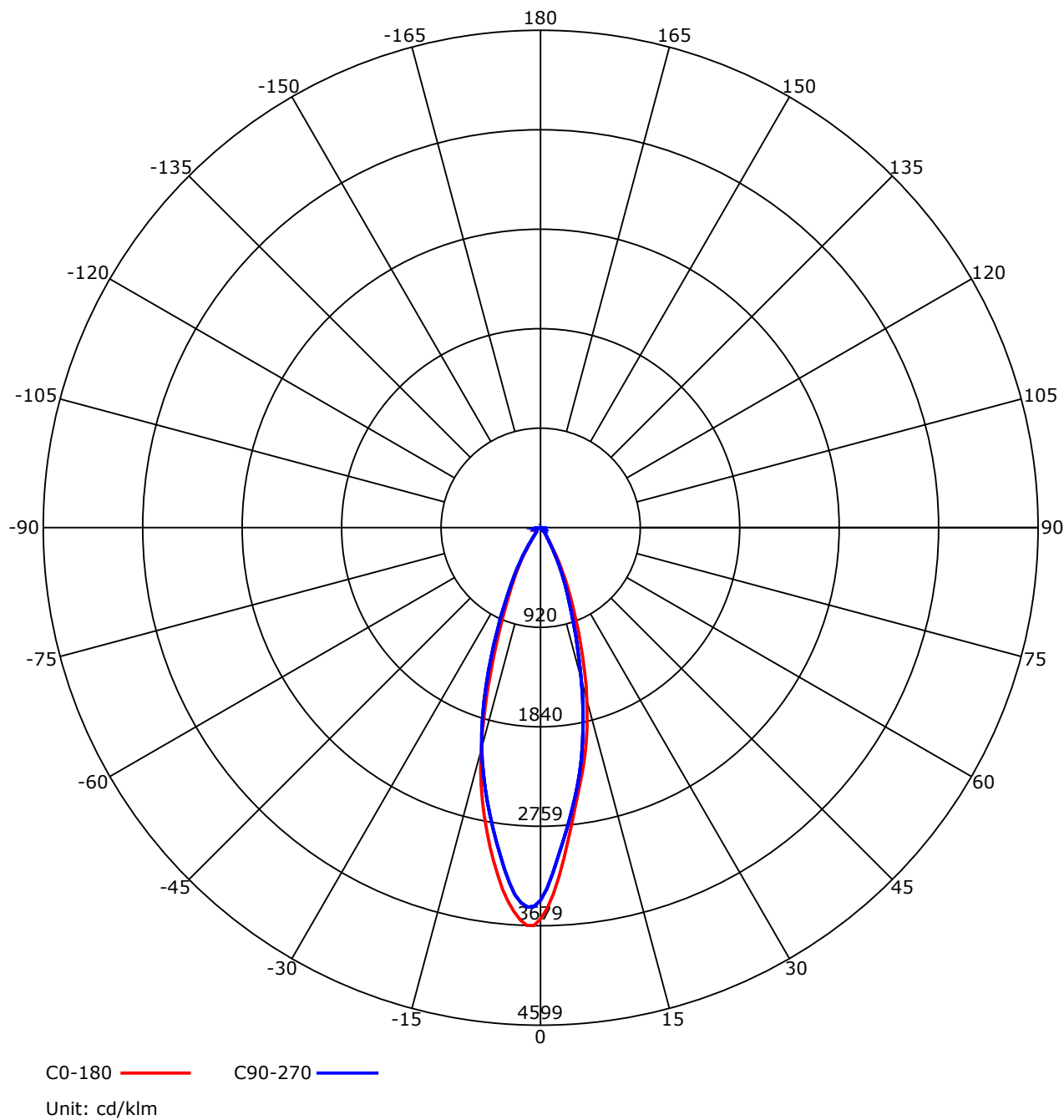
Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025/9/29 11:33:23

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

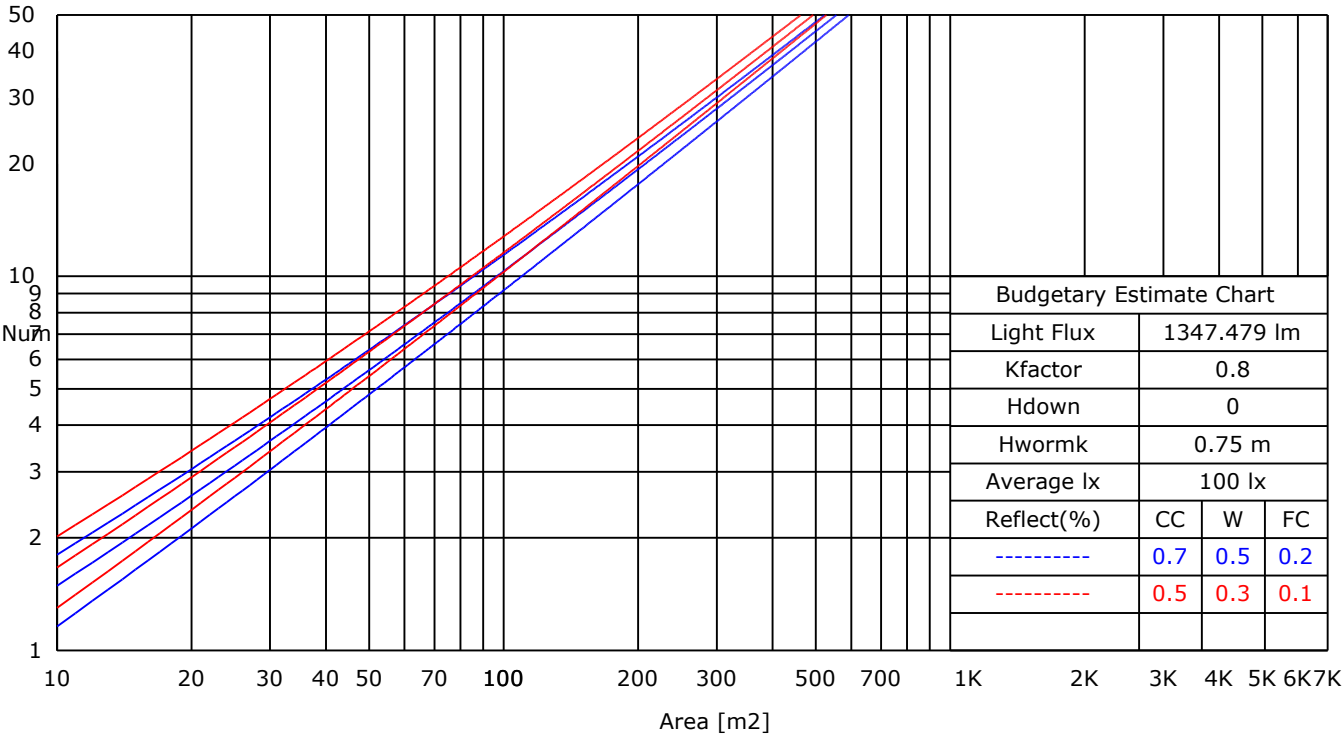
Luminous Intensity Distribution Curve



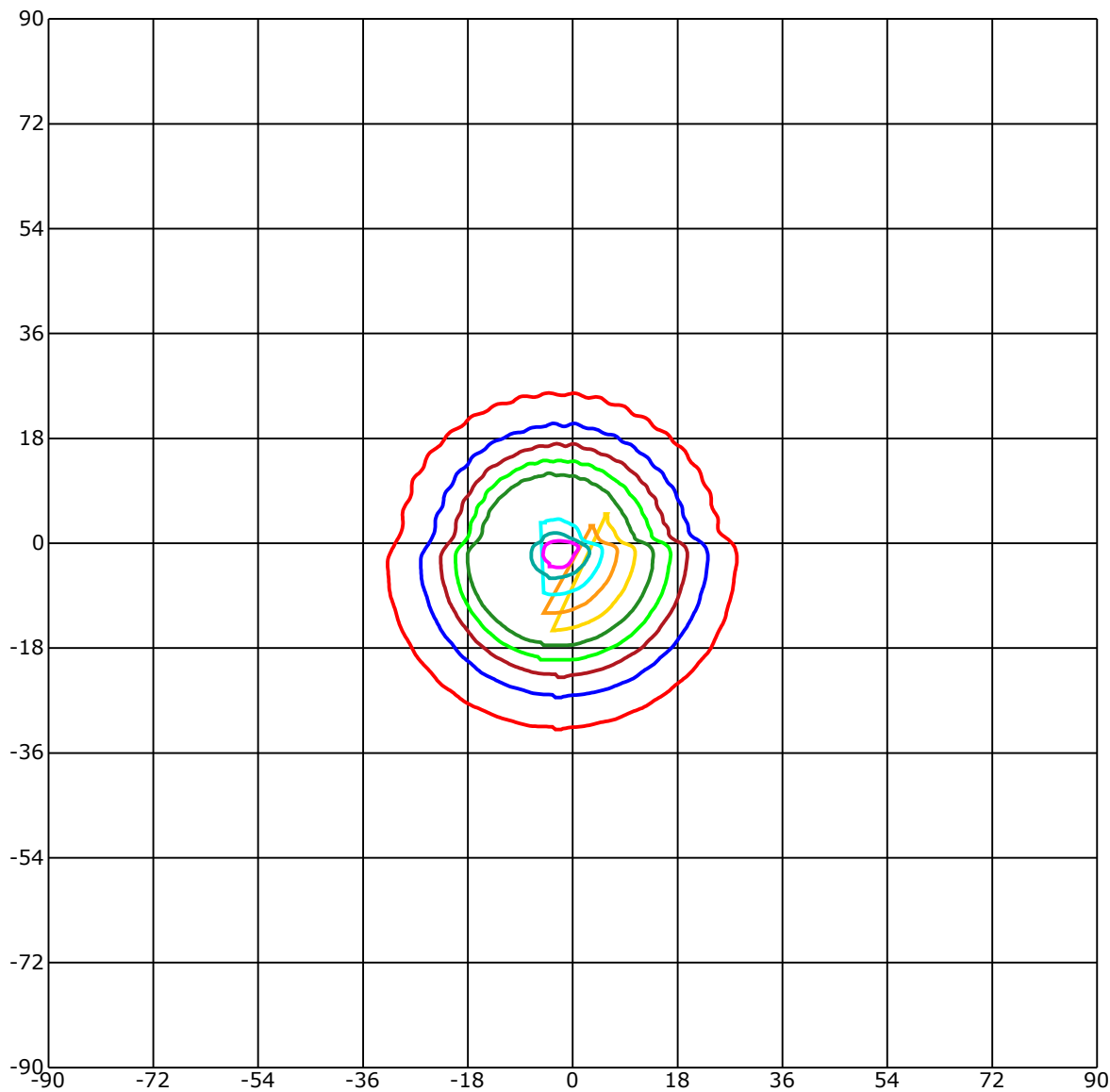
UTILIZATION FACTORS TABLE

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	1.15	1.15	1.15	1.13	1.13	1.13	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.97
1	1.10	1.09	1.09	1.08	1.07	1.07	1.04	1.03	1.02	0.99	0.98	0.97	0.92	0.91	0.90	0.85
2	1.03	1.01	1.00	1.01	1.00	0.98	0.98	0.96	0.94	0.93	0.91	0.89	0.87	0.85	0.83	0.79
3	0.96	0.95	0.94	0.95	0.93	0.92	0.92	0.90	0.88	0.88	0.85	0.83	0.83	0.80	0.78	0.74
4	0.91	0.89	0.89	0.90	0.88	0.87	0.87	0.85	0.83	0.84	0.81	0.78	0.80	0.76	0.73	0.69
5	0.86	0.85	0.84	0.85	0.83	0.82	0.83	0.80	0.78	0.80	0.77	0.74	0.76	0.73	0.70	0.66
6	0.82	0.81	0.80	0.81	0.79	0.78	0.79	0.76	0.74	0.76	0.73	0.70	0.73	0.69	0.66	0.63
7	0.79	0.77	0.76	0.78	0.76	0.74	0.76	0.73	0.71	0.73	0.70	0.67	0.71	0.66	0.63	0.60
8	0.75	0.74	0.73	0.74	0.72	0.71	0.73	0.70	0.68	0.70	0.67	0.64	0.68	0.64	0.61	0.57
9	0.72	0.71	0.70	0.71	0.70	0.68	0.70	0.67	0.65	0.68	0.64	0.62	0.66	0.61	0.58	0.55
10	0.69	0.68	0.67	0.69	0.67	0.66	0.67	0.64	0.62	0.65	0.62	0.59	0.63	0.59	0.56	0.53

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



ISOCANDELA DIAGRAM (RECTANGULAR)



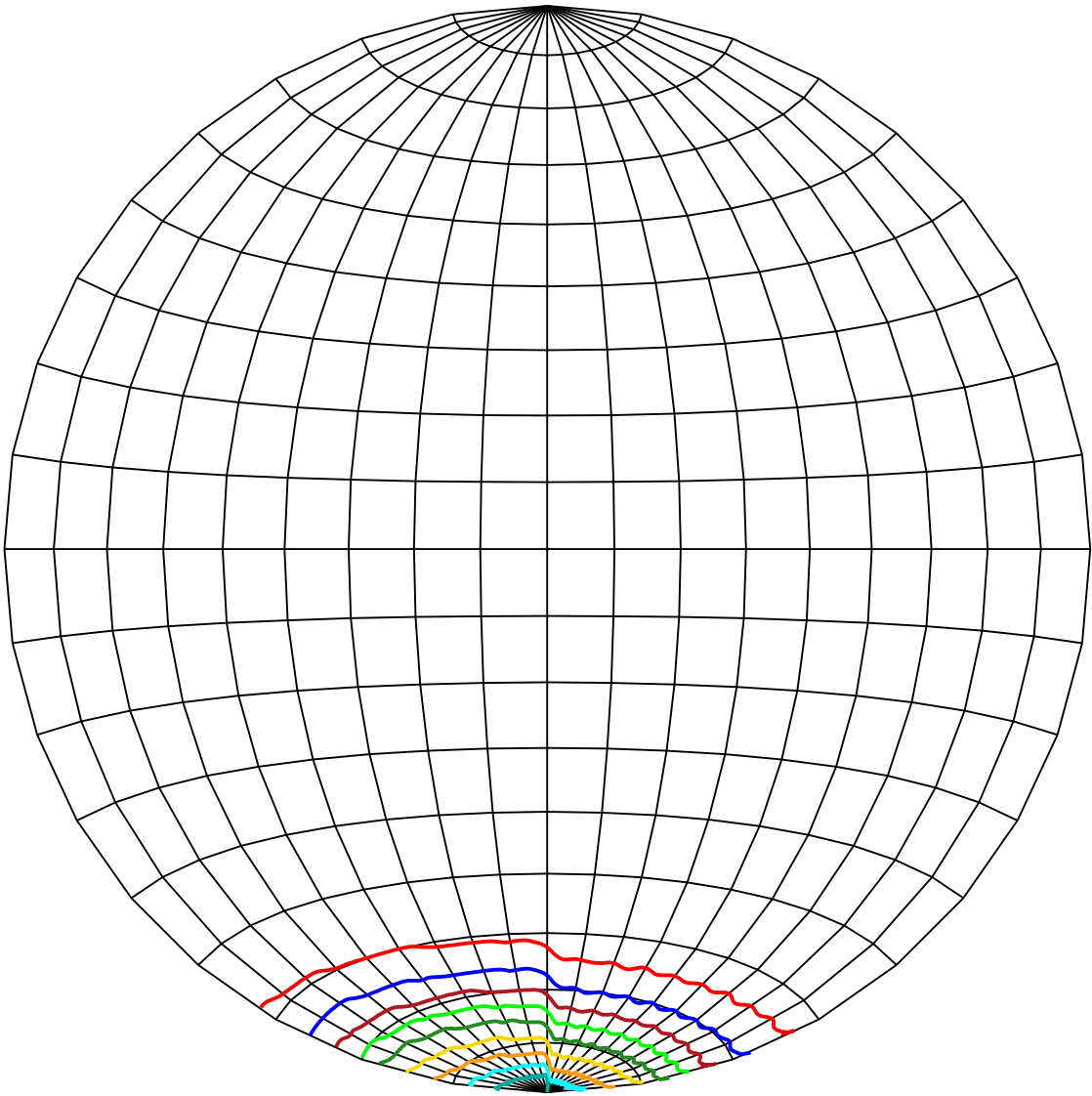
Unit of intensity:cd Imax(100%): 3679.151 cd

- | | |
|-------------------|-------------------|
| 3495.193(95%Imax) | 1839.575(50%Imax) |
| 3311.236(90%Imax) | 1471.66(40%Imax) |
| 2943.321(80%Imax) | 1103.745(30%Imax) |
| 2575.406(70%Imax) | 735.83(20%Imax) |
| 2207.49(60%Imax) | 367.915(10%Imax) |

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025/9/29 11:33:23

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

ISOCANDELA DIAGRAM (SPHERE)



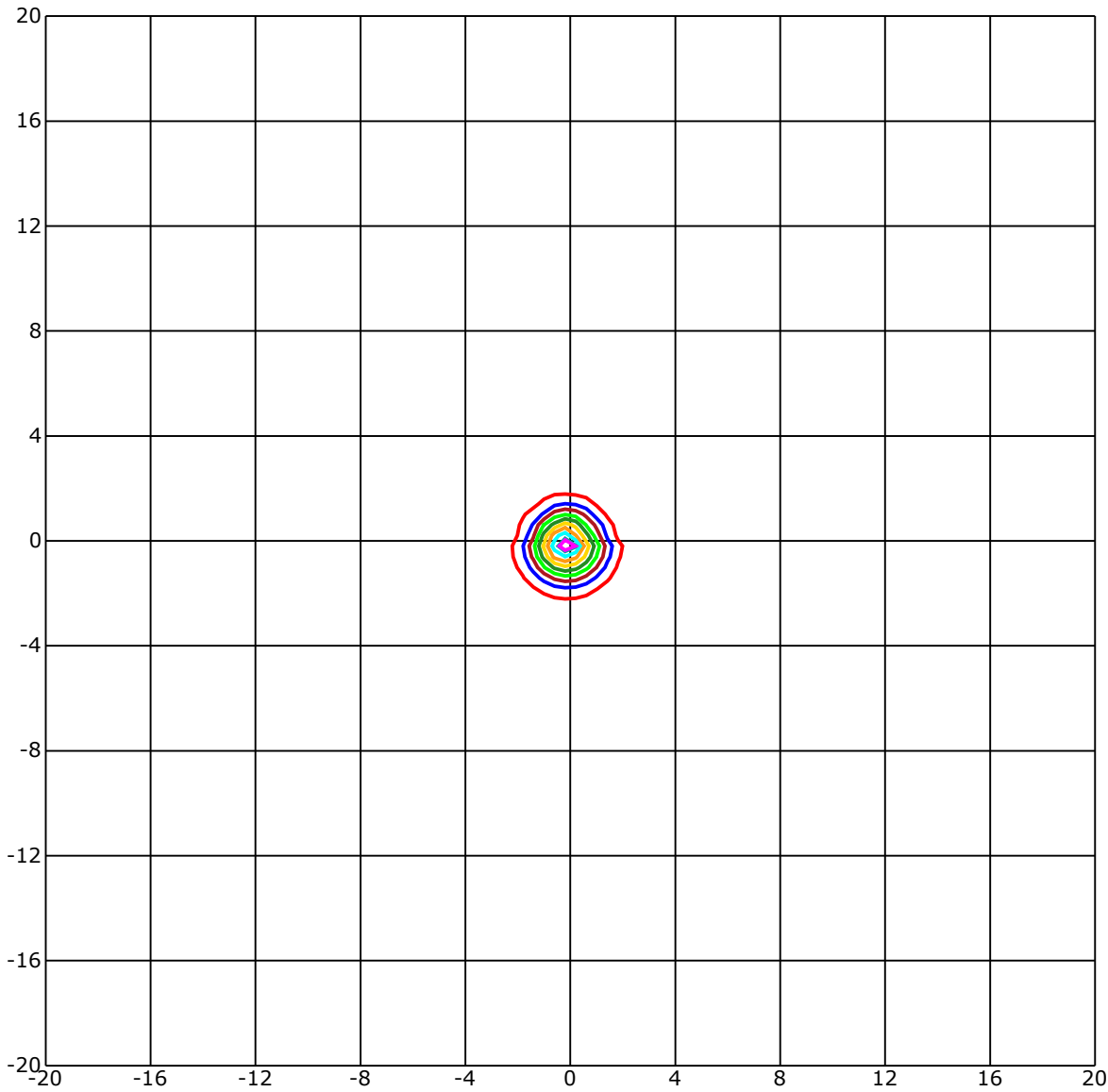
Unit of intensity:cd I_{max}(100%): 3679.151 cd

3495.193(95%I _{max})	1839.575(50%I _{max})
3311.236(90%I _{max})	1471.66(40%I _{max})
2943.321(80%I _{max})	1103.745(30%I _{max})
2575.406(70%I _{max})	735.83(20%I _{max})
2207.49(60%I _{max})	367.915(10%I _{max})

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025/9/29 11:33:23

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

ISOLX DIAGRAM



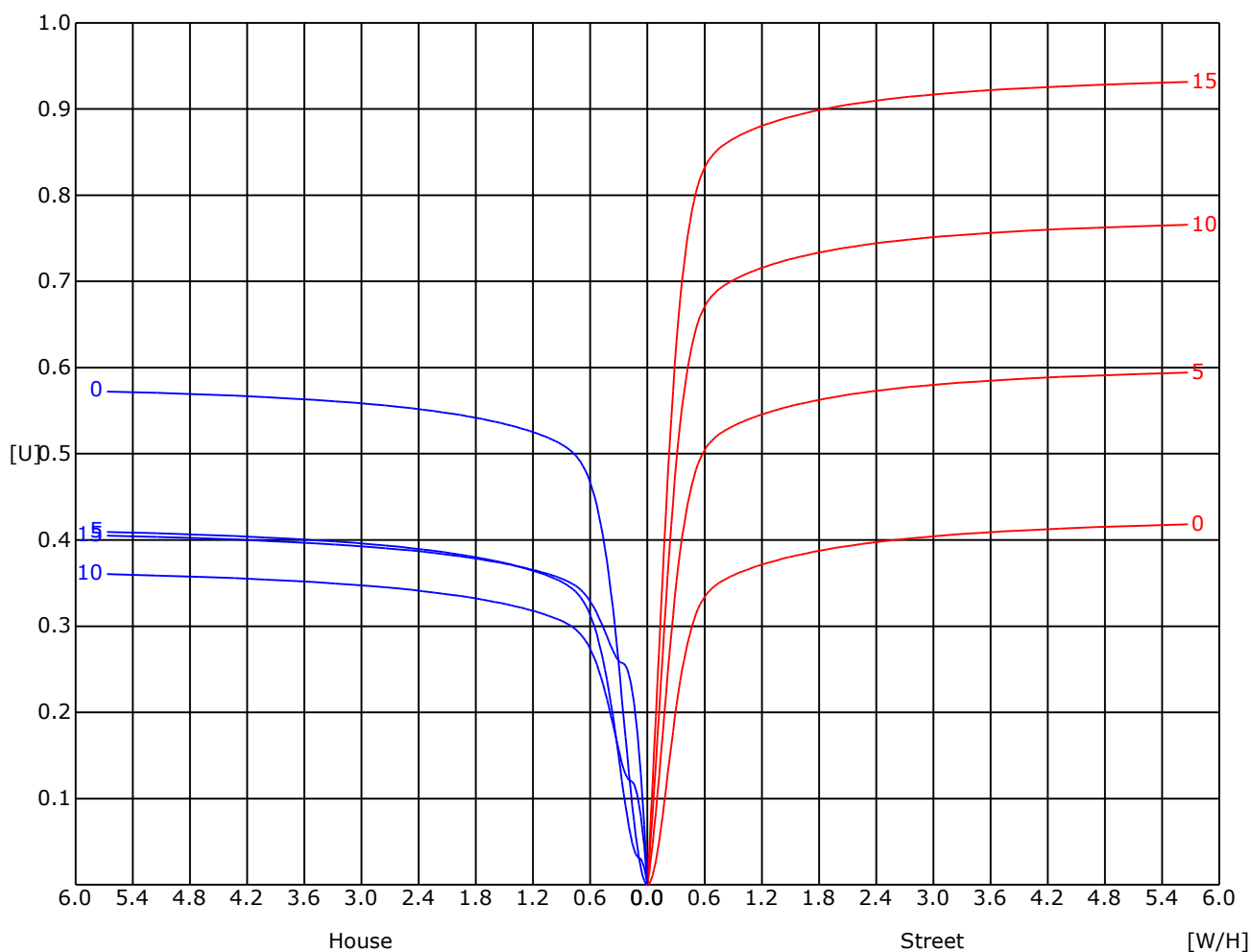
Unit of illumination:lx Height of plane:4.0(m)/13.12(ft)

- | | |
|------------------|------------------|
| 211.303(92%Emax) | 114.838(50%Emax) |
| 206.709(90%Emax) | 91.871(40%Emax) |
| 183.741(80%Emax) | 68.903(30%Emax) |
| 160.774(70%Emax) | 45.935(20%Emax) |
| 137.806(60%Emax) | 22.968(10%Emax) |

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025/9/29 11:33:23

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

UTILIZATION FACTOR DIAGRAM (ROAD)



C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/29 11:33:23

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

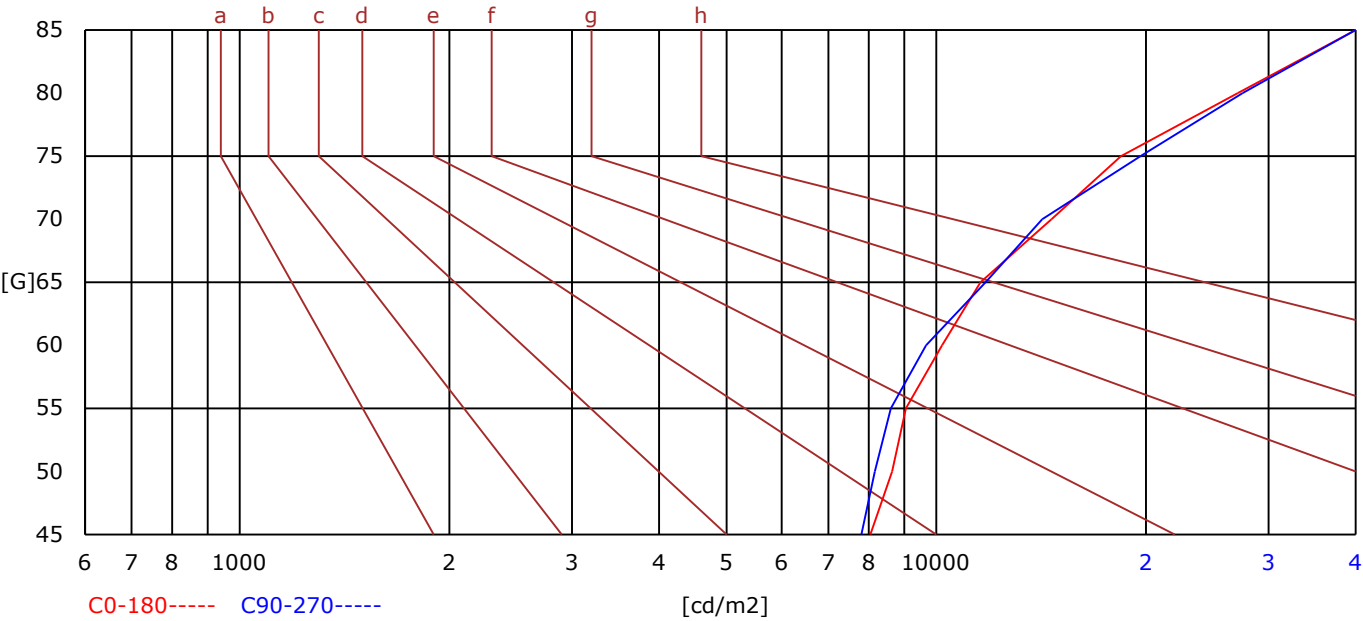
Humidity:

Test Distance: 7.061 m

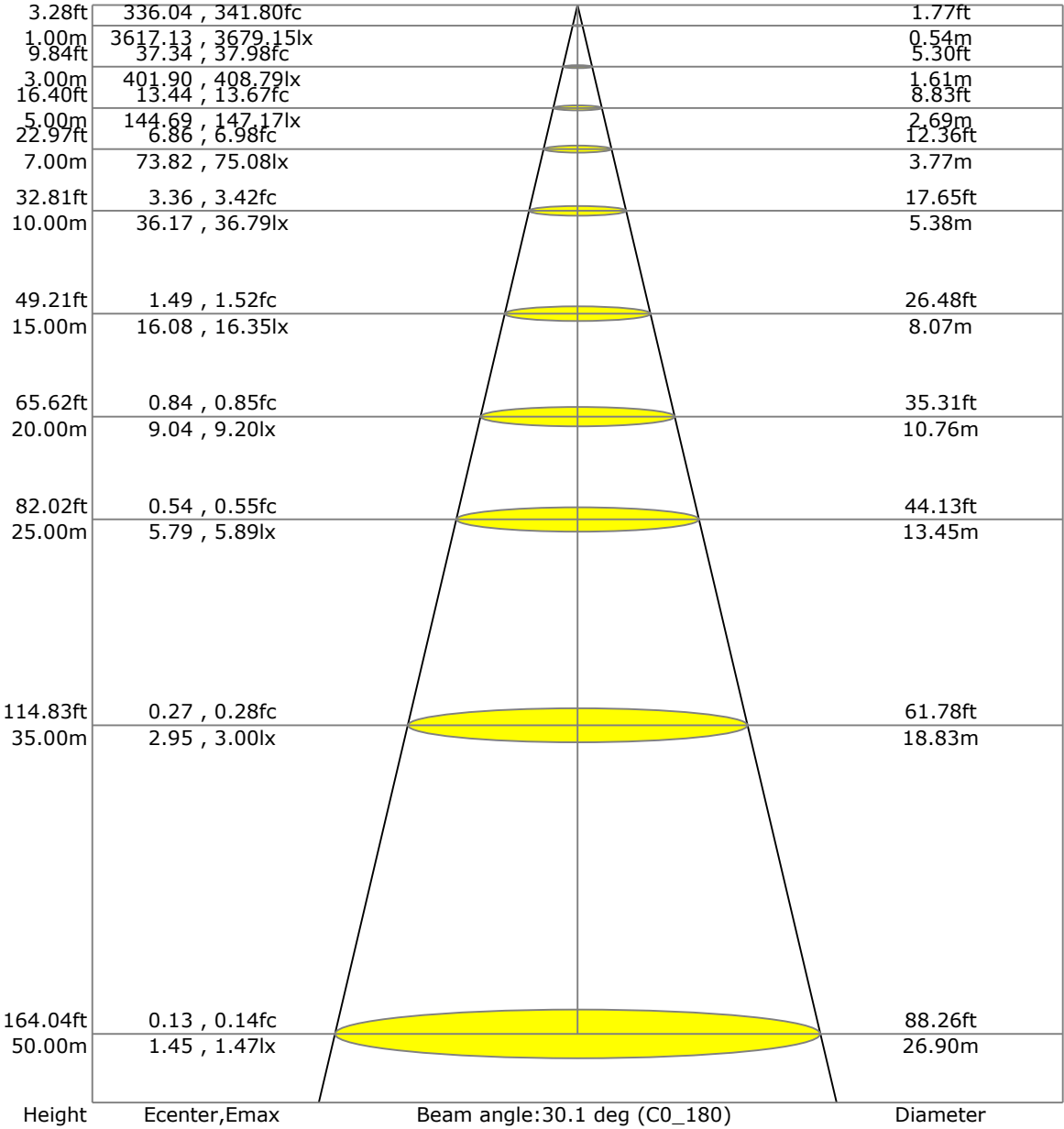
Remarks:

BRIGHT LIMIT DIAGRAM

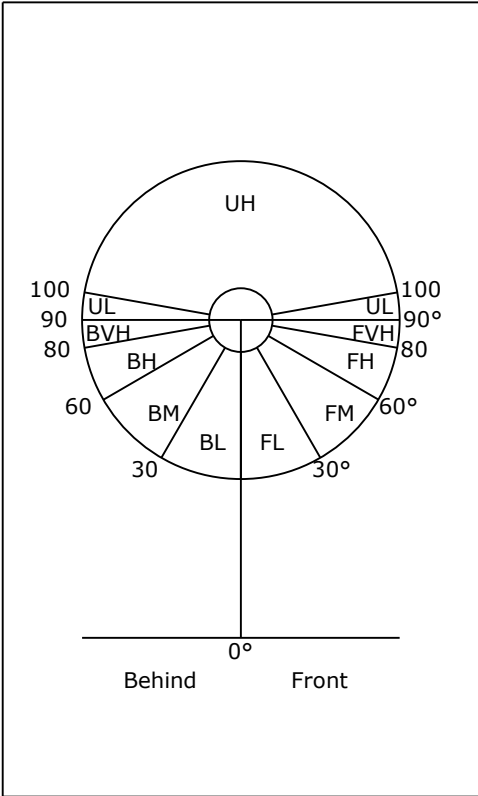
C/G	45	50	55	60	65	70	75	80	85
C0	8044	8638	9041	10190	11576	14634	18422	27100	53541
C90	7804	8164	8608	9671	11776	14188	19643	27523	55613
Dazzle	Quality	Illuminance	---	---	---	---	---	---	---
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
---	---	a	b	c	d	e	f	g	h



LX-DISTANCE DIAGRAM



BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	562.9	41.8
FL (0°-30°)	426.9	31.7
FM (30°-60°)	72.1	5.4
FH (60°-80°)	42.2	3.1
FVH (80°-90°)	21.6	1.6

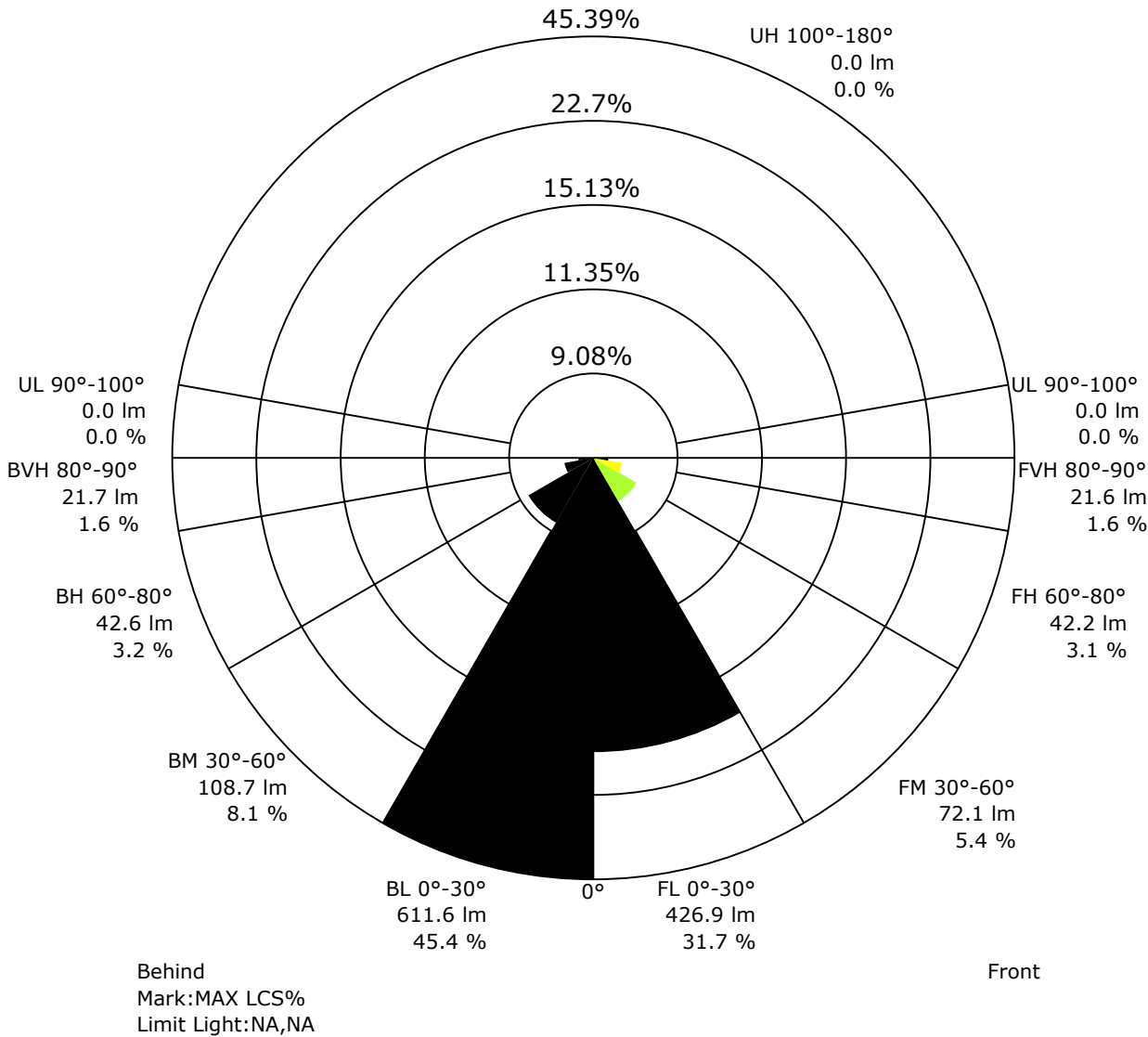
Behind	784.6	58.2
BL (0°-30°)	611.6	45.4
BM (30°-60°)	108.7	8.1
BH (60°-80°)	42.6	3.2
BVH (80°-90°)	21.7	1.6

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

Limit Light	NA	NA
-------------	----	----

BUG Class(TM-15-07)	
Asymmetric Lighting Fixtures (Type I , II , III , IV)	B2 U0 G1
Symmetrical Lighting Fixtures (Type V , Area Light)	B2 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	14.77	15.03	15.01	15.44	15.92	14.73	14.99	14.98	15.40	15.89
3H	15.03	15.28	15.29	15.69	16.19	14.98	15.23	15.24	15.64	16.14
4H	15.11	15.36	15.39	15.77	16.28	15.07	15.31	15.34	15.72	16.23
6H	15.12	15.36	15.40	15.77	16.28	15.08	15.31	15.36	15.73	16.24
8H	15.06	15.30	15.35	15.71	16.23	15.02	15.25	15.31	15.67	16.19
12H	15.01	15.24	15.30	15.65	16.18	14.96	15.19	15.26	15.61	16.13
4H 2H	19.70	19.94	19.97	20.35	20.86	19.63	19.88	19.90	20.29	20.79
3H	20.19	20.42	20.48	20.83	21.36	20.16	20.39	20.45	20.80	21.32
4H	20.39	20.61	20.70	21.03	21.56	20.36	20.58	20.67	20.99	21.53
6H	20.54	20.75	20.87	21.16	21.71	20.51	20.71	20.83	21.13	21.68
8H	20.59	20.78	20.92	21.20	21.76	20.56	20.75	20.89	21.17	21.73
12H	20.58	20.76	20.93	21.18	21.75	20.55	20.74	20.90	21.16	21.72
8H 4H	22.62	22.85	22.90	23.26	23.78	22.59	22.82	22.87	23.23	23.75
6H	24.27	24.44	24.63	24.86	25.44	24.23	24.40	24.58	24.82	25.40
8H	24.44	24.59	24.80	25.01	25.60	24.40	24.55	24.77	24.98	25.57
12H	24.57	24.71	24.95	25.14	25.74	24.53	24.67	24.91	25.10	25.70
12H 4H	25.20	25.38	25.54	25.80	26.37	25.21	25.39	25.55	25.81	26.38
6H	25.78	25.93	26.14	26.35	26.94	25.78	25.94	26.15	26.36	26.95

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

ZONAL LUMINOUS FLUX TABLE-2

γ	C0	C5	C10	C15	C20	C25	C30	C35	γ	φ zonal	φ total	%lum	%lamp
10	2257.2	1795.4	1951.9	1776.6	1942.0	1767.6	1941.9	1764.7	10	270.5	270.5	20.1	20.1
20	1020.3	658.8	770.2	640.7	752.9	628.0	741.6	621.9	20	481.5	752.0	55.8	55.8
30	252.1	134.4	166.7	127.1	159.9	123.1	157.2	122.5	30	286.5	1038.6	77.1	77.1
40	66.3	56.6	54.1	56.3	58.3	52.6	56.9	55.6	40	96.5	1135.1	84.2	84.2
50	45.2	49.1	44.1	46.1	45.9	42.6	44.5	44.3	50	44.2	1179.3	87.5	87.5
60	42.3	45.0	41.8	44.4	42.1	40.4	40.7	40.1	60	40.1	1219.3	90.5	90.5
70	33.7	44.2	40.2	42.4	42.1	39.5	42.4	38.8	70	41.5	1260.8	93.6	93.6
80	39.4	41.6	38.6	43.2	43.5	41.6	41.3	38.1	80	43.3	1304.1	96.8	96.8
90	34.9	48.2	0.0	29.3	0.0	39.0	0.0	37.7	90	43.4	1347.5	100.0	100.0

Conical surface Flux(90deg) : 1158.6 lm

%lum = 86.0%

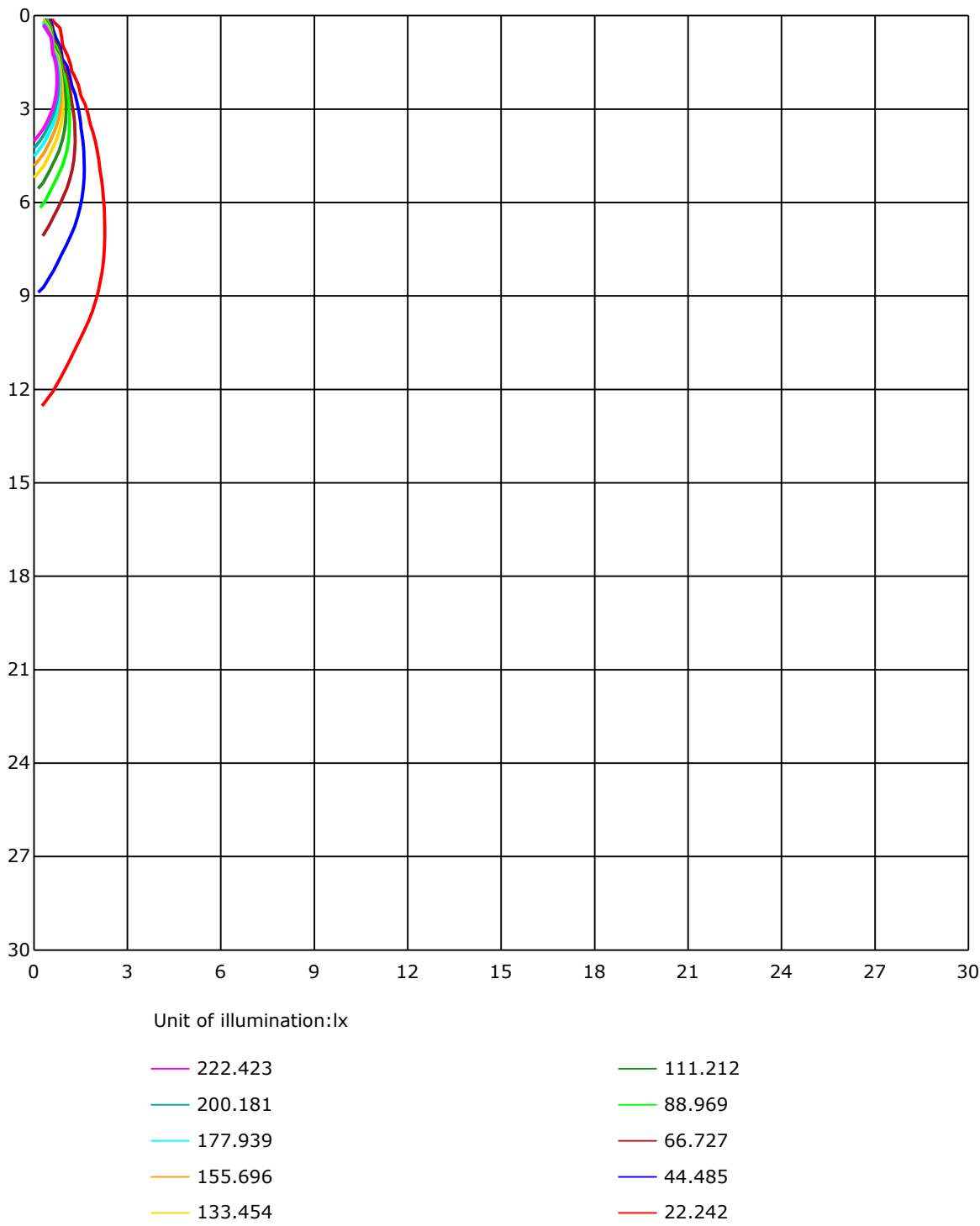
%lamp = 86.0%

Conical surface Flux(120deg) : 1219.3 lm

%lum = 90.5%

%lamp = 90.5%

SPACE ISOLX DIAGRAM



LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C5	C10	C15	C20	C25	C30	C35	C40	C45
G0	3617.13	3204.51	3405.13	3190.5	3403.39	3184.41	3398.95	3183.91	3407.73	3190.0
G1	3518.81	3021.63	3258.6	3008.56	3253.86	3000.24	3243.64	2999.44	3249.48	3009.21
G2	3387.33	2838.85	3077.17	2822.6	3068.99	2817.26	3068.94	2822.4	3067.5	2837.6
G3	3230.93	2671.23	2892.15	2657.77	2882.82	2658.26	2879.43	2663.2	2890.5	2680.4
G4	3067.95	2520.71	2721.58	2510.74	2711.96	2508.54	2718.74	2519.36	2724.82	2539.1
G5	2902.82	2388.53	2562.79	2381.11	2559.45	2376.97	2563.73	2387.94	2578.49	2407.98
G6	2752.2	2268.88	2433.01	2253.57	2428.97	2255.02	2429.12	2265.14	2445.42	2283.43
G7	2608.66	2153.85	2307.47	2139.0	2301.88	2133.91	2304.13	2143.18	2319.08	2159.69
G8	2485.76	2032.55	2191.95	2019.39	2183.27	2014.55	2184.32	2019.59	2198.03	2034.54
G9	2367.34	1916.28	2069.2	1898.68	2056.78	1893.3	2063.41	1898.68	2073.53	1908.16
G10	2257.16	1795.38	1951.93	1776.58	1941.96	1767.56	1941.86	1764.66	1951.08	1776.28
G11	2141.29	1673.23	1831.62	1650.39	1818.81	1638.13	1816.07	1634.59	1821.35	1643.66
G12	2026.32	1549.38	1712.91	1521.16	1693.82	1508.89	1686.99	1502.41	1691.47	1509.34
G13	1901.57	1424.83	1583.63	1397.21	1566.03	1379.46	1556.71	1372.53	1553.22	1378.12
G14	1776.73	1296.9	1458.04	1267.48	1436.8	1251.18	1426.38	1238.52	1425.28	1245.4
G15	1651.69	1173.3	1329.26	1144.93	1308.47	1124.59	1297.15	1114.07	1295.1	1119.51
G16	1525.3	1054.09	1204.06	1026.07	1182.92	1010.52	1171.16	1001.79	1168.86	1005.13
G17	1394.37	942.46	1084.46	916.53	1063.32	901.28	1052.05	893.8	1047.36	891.36
G18	1263.05	839.06	971.93	815.37	954.58	799.37	939.82	787.9	934.43	790.79
G19	1138.4	744.63	865.88	723.73	847.43	713.31	834.42	702.79	830.48	701.15
G20	1020.29	658.82	770.2	640.67	752.85	628.01	741.58	621.93	737.65	620.28
G21	910.2	584.53	686.04	567.68	670.24	561.4	658.77	550.53	659.37	547.74
G22	808.94	512.29	606.27	497.23	595.45	488.01	589.92	480.93	578.55	477.44
G23	717.6	440.59	534.67	430.32	520.41	424.54	520.41	417.41	508.85	414.42
G24	632.94	382.06	466.17	368.45	458.54	362.37	451.31	355.39	441.79	354.24
G25	556.11	320.64	401.7	306.23	395.17	304.98	387.69	304.53	381.21	299.45
G26	482.67	267.74	342.72	255.12	335.34	252.73	327.81	249.34	327.47	251.13
G27	414.97	225.36	287.38	217.13	280.7	208.6	273.47	206.86	271.48	210.25
G28	353.54	188.56	240.26	181.03	231.54	167.47	226.01	175.1	226.6	174.9
G29	296.45	158.5	200.48	150.87	192.85	139.45	186.72	143.74	189.61	146.83
G30	252.13	134.37	166.67	127.09	159.89	123.1	157.2	122.45	158.4	126.29
G31	204.97	114.82	140.8	109.64	134.96	107.04	132.57	106.65	134.22	106.99
G32	171.61	99.91	119.81	96.03	116.17	93.73	115.47	95.43	115.52	94.03
G33	144.19	89.84	104.25	87.15	101.46	84.16	101.46	86.25	95.23	84.76
G34	123.5	80.27	92.19	78.87	91.09	78.03	90.84	79.17	89.89	77.68
G35	107.74	74.14	86.1	72.84	80.72	72.74	82.51	73.89	81.52	75.43
G36	95.48	68.75	76.33	67.91	76.33	64.86	74.99	69.15	74.29	67.36

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/29 11:33:23

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity:

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	85.76	64.72	70.15	64.17	70.95	60.83	69.0	65.06	68.75	63.67
G38	72.64	61.23	66.31	60.73	66.51	57.49	64.22	61.08	64.22	60.68
G39	71.7	58.73	62.87	58.58	62.12	54.64	60.08	57.79	62.27	58.68
G40	66.31	56.64	54.1	56.29	58.33	52.55	56.89	55.59	56.64	54.99
G41	62.07	55.24	51.7	54.2	55.69	51.1	54.39	55.74	54.1	55.44
G42	58.53	50.06	54.94	51.3	53.45	49.66	52.2	54.49	52.05	54.15
G43	55.44	53.0	52.5	53.1	51.7	48.91	50.66	50.41	50.46	52.85
G44	53.1	46.42	50.56	52.05	50.36	48.01	49.21	49.31	49.01	51.75
G45	51.4	50.26	49.06	50.95	49.16	47.36	48.01	48.31	47.71	50.36
G46	49.61	49.01	47.71	49.71	47.96	46.42	46.77	47.07	46.52	46.42
G47	48.16	47.76	46.67	46.92	47.07	45.42	45.92	49.01	45.67	47.71
G48	46.92	49.91	45.52	47.61	46.57	44.42	45.32	45.42	45.87	48.51
G49	45.87	46.62	47.41	46.82	46.17	43.33	44.87	44.82	44.17	46.27
G50	45.17	49.06	44.12	46.12	45.92	42.58	44.47	44.32	44.12	45.62
G51	45.02	48.51	43.53	45.72	45.67	44.32	44.57	43.92	44.32	45.07
G52	44.62	45.27	42.98	48.06	45.07	41.63	38.39	42.23	44.07	44.72
G53	44.12	45.17	42.53	44.92	44.27	41.13	43.87	40.48	43.78	47.12
G54	43.28	45.57	42.58	44.52	43.48	40.88	43.38	43.97	43.43	43.92
G55	42.58	45.82	42.78	44.32	42.88	40.73	42.43	37.69	42.68	43.43
G56	41.73	45.97	36.99	44.32	42.68	40.53	41.78	42.88	42.08	43.08
G57	41.08	45.62	42.43	46.67	42.38	40.19	41.33	42.18	41.58	42.98
G58	40.29	41.53	39.19	43.78	42.18	40.04	43.53	41.33	43.48	43.13
G59	39.84	44.32	41.03	44.87	42.08	40.14	40.78	40.68	40.83	42.18
G60	42.33	45.02	41.83	44.37	42.08	40.38	40.68	40.14	40.68	43.23
G61	39.39	43.68	40.09	44.57	42.08	40.63	40.48	39.74	43.18	38.89
G62	41.73	43.53	39.89	44.82	42.38	41.13	40.53	39.49	40.68	43.23
G63	38.89	43.33	39.64	44.77	42.73	41.13	40.63	39.39	40.78	42.88
G64	38.74	46.02	39.59	44.42	43.08	40.93	40.63	39.19	40.63	37.89
G65	38.69	43.23	39.59	44.07	43.33	40.38	40.53	38.84	40.63	41.53
G66	38.64	43.18	39.59	43.28	43.03	40.09	40.78	38.64	40.88	41.03
G67	38.84	43.13	39.39	43.03	42.68	39.79	41.13	38.64	42.48	42.13
G68	39.09	43.53	40.88	44.62	43.82	39.49	41.53	38.54	41.38	42.58
G69	34.6	44.22	39.84	42.43	41.93	39.44	42.08	38.59	41.63	40.04
G70	33.7	44.22	40.24	42.38	42.08	39.49	42.38	38.79	42.33	39.84
G71	39.29	44.02	35.2	42.38	42.13	39.54	42.58	39.04	42.78	42.33
G72	38.79	39.74	40.43	42.18	44.72	39.59	42.68	37.14	42.88	42.18
G73	37.04	42.63	36.65	44.72	42.03	39.49	40.24	39.79	38.59	39.29

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/29 11:33:23

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity:

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	3401.74	3204.66	3412.11	3222.21	3419.04	3245.99	3430.51	3278.74	3444.27	3320.42
G1	3256.71	3024.47	3271.66	3055.23	3286.72	3091.03	3311.55	3132.76	3337.18	3182.37
G2	3079.46	2862.58	3101.55	2893.19	3128.42	2935.57	3165.17	2985.23	3193.99	3048.0
G3	2906.31	2707.67	2932.58	2742.82	2967.73	2787.4	3012.4	2842.69	3049.75	2904.16
G4	2744.52	2566.63	2778.42	2603.87	2815.52	2649.94	2865.07	2710.71	2916.08	2778.52
G5	2598.93	2433.56	2630.99	2470.05	2672.97	2521.06	2726.62	2587.52	2790.24	2654.48
G6	2466.36	2305.87	2500.61	2349.45	2541.15	2396.66	2599.63	2459.13	2664.75	2532.82
G7	2337.23	2185.02	2371.73	2220.81	2413.21	2273.56	2474.19	2339.52	2538.36	2413.51
G8	2216.28	2059.27	2249.48	2093.63	2294.25	2146.72	2349.65	2212.49	2420.54	2286.33
G9	2095.77	1930.74	2122.64	1964.64	2165.82	2012.96	2230.29	2079.27	2296.4	2151.41
G10	1964.1	1797.22	1997.25	1830.93	2038.68	1878.44	2094.37	1939.32	2164.12	2010.86
G11	1835.26	1661.91	1864.33	1695.96	1905.51	1735.75	1958.31	1796.67	2023.97	1864.98
G12	1704.54	1528.14	1731.21	1555.76	1770.2	1592.06	1819.86	1651.84	1884.02	1716.35
G13	1570.82	1397.01	1593.75	1415.91	1630.2	1456.05	1677.41	1507.55	1743.62	1569.92
G14	1436.95	1259.91	1457.09	1282.99	1484.56	1318.44	1535.87	1366.2	1597.49	1421.19
G15	1304.73	1132.32	1319.93	1154.95	1352.34	1184.27	1393.03	1229.44	1446.12	1282.54
G16	1175.1	1010.17	1191.4	1032.6	1214.19	1061.67	1257.71	1099.96	1305.52	1147.73
G17	1053.1	899.83	1065.01	919.48	1094.08	944.45	1127.83	979.55	1173.8	1022.43
G18	934.78	795.18	950.39	815.42	976.11	836.76	1007.43	870.12	1048.66	908.46
G19	835.17	709.13	844.79	723.49	865.23	744.13	896.44	772.6	932.74	807.2
G20	742.08	626.46	750.96	640.07	770.05	658.67	792.54	685.0	829.28	714.36
G21	657.92	552.97	666.55	564.99	687.79	588.32	708.03	608.56	737.35	635.59
G22	581.49	481.03	589.32	493.09	605.07	512.09	629.25	538.71	656.33	563.99
G23	509.89	417.06	518.27	428.23	533.88	446.68	557.11	472.15	584.13	502.91
G24	443.24	356.43	451.96	367.55	466.52	385.2	488.95	407.49	512.64	435.21
G25	381.36	302.39	390.54	312.36	404.45	328.46	425.88	351.75	453.56	374.73
G26	328.31	254.22	327.71	262.65	349.75	277.01	370.94	296.95	391.33	316.55
G27	274.12	212.84	278.31	220.72	292.47	230.99	310.56	241.26	329.71	263.85
G28	229.05	176.65	236.82	183.23	246.45	193.65	260.46	204.77	277.81	219.62
G29	192.0	147.98	197.94	157.9	206.46	162.04	221.07	170.81	231.74	182.43
G30	160.39	124.69	165.58	129.48	172.86	135.51	180.98	141.99	189.81	150.77
G31	135.21	107.09	138.95	111.13	142.64	109.14	150.37	120.91	157.8	127.84
G32	118.56	93.43	122.3	96.97	118.96	99.47	127.89	104.0	136.56	108.64
G33	100.81	83.26	105.9	86.6	101.46	87.05	110.98	91.59	112.98	94.43
G34	90.49	75.78	93.83	73.99	94.33	77.78	97.47	82.17	98.42	84.06
G35	80.82	70.45	80.97	72.69	84.61	71.5	87.65	75.24	87.0	75.73
G36	72.14	66.41	73.99	67.56	76.83	65.71	80.07	73.04	78.68	69.25

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/29 11:33:23

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity:

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	3459.93	3356.92	3478.42	3402.44	3494.13	3443.72	3513.97	3488.45	3532.37	3534.07
G1	3375.62	3235.37	3412.71	3292.36	3445.62	3356.47	3482.41	3416.55	3521.85	3477.88
G2	3254.76	3105.54	3307.16	3173.59	3359.46	3244.94	3413.46	3313.3	3467.16	3389.48
G3	3117.6	2975.21	3186.36	3049.5	3248.78	3126.33	3315.99	3202.31	3379.51	3288.52
G4	2987.57	2848.02	3058.17	2926.85	3129.87	3007.97	3203.51	3091.93	3275.45	3177.13
G5	2857.05	2728.66	2932.13	2805.94	3008.02	2889.21	3089.33	2973.37	3165.52	3058.97
G6	2737.44	2610.2	2809.68	2689.87	2891.55	2770.84	2972.62	2854.26	3052.89	2940.01
G7	2616.23	2487.25	2691.92	2575.15	2771.54	2653.08	2854.01	2736.79	2935.12	2811.48
G8	2492.54	2364.9	2574.95	2454.1	2655.67	2536.11	2736.04	2612.84	2817.41	2696.26
G9	2373.73	2239.01	2455.64	2325.22	2532.92	2407.93	2617.43	2493.24	2698.9	2569.12
G10	2243.2	2095.82	2329.0	2186.46	2417.15	2272.52	2496.18	2355.73	2576.6	2435.4
G11	2101.3	1947.04	2192.74	2036.19	2282.09	2122.04	2363.66	2210.94	2448.31	2297.89
G12	1958.26	1792.68	2052.59	1875.7	2136.35	1964.94	2223.46	2055.09	2309.71	2143.18
G13	1807.94	1639.97	1893.05	1720.89	1981.3	1805.1	2070.49	1893.5	2159.09	1984.19
G14	1658.57	1488.6	1737.59	1562.34	1821.45	1643.01	1909.4	1727.87	1998.65	1809.99
G15	1511.79	1341.77	1582.24	1413.77	1665.4	1484.81	1742.93	1565.23	1830.53	1639.02
G16	1367.7	1202.92	1432.71	1267.83	1503.16	1333.1	1582.58	1404.34	1664.4	1473.45
G17	1223.41	1070.3	1286.58	1131.42	1353.89	1192.7	1420.1	1255.57	1502.01	1318.39
G18	1092.88	949.89	1151.56	1003.64	1211.94	1061.67	1272.22	1110.38	1340.28	1174.1
G19	972.62	848.43	1023.93	895.54	1079.67	941.81	1137.5	989.83	1196.29	1041.18
G20	863.88	746.67	910.0	787.6	958.71	832.32	1010.32	875.3	1062.57	921.17
G21	769.25	665.2	808.04	701.25	851.37	738.74	896.54	773.84	941.81	819.26
G22	683.9	589.47	719.4	620.28	755.59	653.54	795.48	689.08	836.91	727.17
G23	604.87	522.91	639.23	549.78	671.48	578.0	705.69	611.85	743.33	647.3
G24	542.4	459.89	568.33	480.13	595.65	510.39	627.26	541.16	661.86	576.46
G25	479.38	399.71	502.12	423.89	528.89	448.42	555.96	478.78	589.17	512.29
G26	417.16	342.72	439.05	360.77	465.32	391.23	492.0	418.66	526.4	447.07
G27	357.68	290.42	384.8	315.1	407.54	337.54	431.07	364.26	461.68	393.73
G28	301.99	243.7	330.91	266.14	351.55	287.38	374.78	312.06	403.45	338.09
G29	253.08	202.87	275.96	220.97	300.99	242.66	323.03	264.55	350.95	287.33
G30	209.85	162.49	231.64	184.37	254.87	206.56	275.31	222.07	299.1	239.97
G31	173.36	139.9	193.8	154.21	213.74	168.82	235.43	185.02	254.22	200.28
G32	145.53	117.22	161.89	128.13	178.14	139.8	195.39	153.61	207.86	165.78
G33	123.95	100.76	135.66	112.38	148.68	119.01	163.53	130.13	178.34	139.15
G34	106.75	88.35	116.02	93.98	125.99	101.01	134.96	110.29	149.62	116.77
G35	93.93	82.17	100.71	82.41	110.98	88.75	117.22	91.99	126.64	100.96
G36	84.51	72.29	89.84	74.24	97.37	80.22	102.01	84.86	109.19	88.65

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/29 11:33:23

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity:

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	3552.66	3577.69	3576.15	3620.27	3594.79	3661.05	3617.13	3204.51	3405.13	3190.5
G1	3562.68	3534.61	3601.07	3588.91	3639.46	3642.11	3676.51	3364.75	3505.1	3361.71
G2	3522.5	3457.63	3579.39	3525.54	3622.46	3585.32	3679.15	3480.62	3564.18	3482.16
G3	3445.37	3363.85	3514.82	3433.45	3574.15	3498.87	3629.79	3546.53	3567.52	3559.89
G4	3352.93	3253.37	3425.87	3331.99	3493.43	3402.59	3553.91	3554.26	3544.68	3576.0
G5	3250.92	3137.05	3327.75	3216.22	3400.55	3288.12	3465.06	3515.87	3484.06	3547.18
G6	3137.2	3016.89	3216.82	3097.76	3291.76	3171.3	3360.46	3442.93	3411.22	3475.53
G7	3020.58	2894.14	3099.95	2971.47	3173.99	3042.32	3241.25	3353.73	3325.21	3385.29
G8	2898.68	2768.45	2972.42	2839.45	3047.5	2911.79	3116.86	3252.82	3224.4	3284.43
G9	2773.93	2645.15	2854.26	2716.5	2922.81	2784.75	2986.78	3137.65	3115.36	3172.3
G10	2653.18	2516.27	2727.97	2592.2	2797.52	2653.68	2856.4	3016.49	2996.65	3048.15
G11	2525.24	2379.71	2602.22	2456.29	2673.82	2515.57	2720.39	2889.95	2868.22	2923.31
G12	2392.42	2232.23	2469.9	2306.67	2539.95	2368.69	2588.66	2754.14	2732.45	2791.58
G13	2247.94	2065.36	2327.21	2143.73	2394.87	2209.99	2445.42	2631.89	2606.71	2660.61
G14	2086.1	1885.82	2167.07	1969.48	2241.7	2036.64	2294.05	2496.53	2466.61	2524.25
G15	1920.02	1715.01	1992.51	1792.29	2068.25	1856.95	2124.44	2361.81	2335.19	2389.28
G16	1739.94	1544.24	1816.47	1616.94	1893.5	1679.86	1948.24	2214.48	2184.37	2246.49
G17	1568.92	1384.6	1640.57	1448.72	1713.66	1508.05	1773.14	2055.88	2027.61	2089.14
G18	1407.33	1232.28	1474.24	1290.67	1542.35	1344.11	1592.81	1882.28	1856.2	1921.12
G19	1255.97	1094.33	1319.78	1148.82	1376.77	1189.26	1423.84	1714.81	1683.25	1752.5
G20	1117.56	968.98	1171.91	1016.65	1223.06	1057.08	1267.63	1541.55	1514.78	1581.79
G21	993.71	860.79	1040.73	901.38	1085.2	933.74	1126.19	1383.45	1353.49	1421.59
G22	882.18	763.47	923.86	795.73	961.91	830.68	998.25	1228.79	1205.31	1265.94
G23	784.41	679.41	821.41	711.37	853.96	738.29	887.72	1094.28	1070.0	1127.73
G24	694.97	604.92	732.41	633.49	760.68	656.38	789.35	968.93	953.23	999.75
G25	625.91	541.21	648.8	564.09	677.07	583.78	700.0	863.59	843.09	891.16
G26	558.71	478.98	584.08	500.72	603.93	517.77	627.76	766.51	748.56	789.1
G27	495.59	420.5	520.71	441.34	537.96	458.64	558.95	682.95	665.9	704.34
G28	433.81	364.06	459.69	385.1	477.29	401.75	496.13	607.72	588.12	625.17
G29	377.07	309.62	403.4	332.35	421.3	350.25	435.56	541.55	528.49	561.75
G30	321.88	260.76	346.06	282.14	367.8	300.14	383.8	483.22	468.66	499.03
G31	270.73	219.07	293.51	237.07	316.35	255.67	331.3	424.19	413.17	441.99
G32	225.96	181.73	252.43	197.39	269.08	215.29	282.34	371.14	357.98	384.1
G33	189.66	153.01	206.21	164.28	227.6	180.83	238.97	322.38	310.31	337.84
G34	162.44	124.64	176.0	136.51	189.71	150.67	199.98	276.61	266.24	290.22
G35	133.17	110.39	145.04	115.92	158.5	127.44	167.47	234.88	225.71	246.55
G36	114.07	94.93	123.1	99.22	132.52	107.79	140.4	197.89	189.41	207.21

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/29 11:33:23

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity:

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	3403.39	3184.41	3398.95	3183.91	3407.73	3190.0	3401.74	3204.66	3412.11	3222.21
G1	3517.56	3354.68	3513.12	3354.98	3517.61	3357.07	3516.07	3364.1	3511.83	3369.53
G2	3575.15	3485.25	3575.95	3486.25	3580.48	3485.5	3574.95	3486.05	3565.23	3486.65
G3	3584.87	3564.68	3594.24	3571.76	3593.7	3567.92	3584.17	3559.64	3564.43	3550.17
G4	3557.3	3590.4	3568.57	3594.39	3567.07	3589.26	3550.92	3574.4	3525.34	3552.56
G5	3500.56	3559.99	3514.32	3562.28	3511.03	3552.01	3486.4	3529.38	3451.3	3498.97
G6	3420.84	3488.99	3434.15	3489.24	3425.92	3477.23	3397.06	3442.18	3356.77	3405.23
G7	3337.23	3398.85	3345.2	3393.22	3330.05	3370.48	3295.4	3331.79	3248.93	3283.38
G8	3235.52	3295.0	3245.34	3286.62	3229.04	3261.44	3189.35	3215.47	3137.95	3163.87
G9	3130.92	3183.91	3138.49	3176.59	3123.04	3148.22	3083.35	3100.15	3024.32	3041.17
G10	3015.64	3068.49	3026.86	3059.57	3010.06	3034.14	2971.77	2986.33	2916.48	2928.04
G11	2891.15	2945.49	2902.32	2937.47	2888.16	2914.13	2855.2	2868.56	2793.23	2808.19
G12	2765.71	2806.24	2771.64	2810.08	2759.87	2782.56	2726.57	2738.83	2669.83	2682.2
G13	2630.39	2674.47	2637.67	2672.42	2624.71	2649.59	2593.15	2604.37	2536.26	2549.43
G14	2496.38	2536.21	2498.07	2532.87	2485.86	2507.25	2457.49	2473.24	2399.95	2421.39
G15	2361.11	2403.19	2359.07	2395.96	2343.21	2374.82	2318.43	2339.13	2270.82	2288.02
G16	2209.84	2258.8	2215.33	2255.36	2201.67	2232.23	2175.89	2196.08	2134.16	2152.51
G17	2054.64	2109.13	2059.57	2104.64	2050.0	2090.09	2027.46	2054.54	1993.91	2011.81
G18	1888.46	1942.16	1897.98	1944.2	1892.7	1930.44	1873.7	1902.72	1845.88	1865.38
G19	1718.25	1778.87	1731.01	1782.66	1728.52	1774.99	1716.6	1752.65	1687.24	1713.26
G20	1550.28	1608.56	1567.53	1614.79	1564.64	1608.06	1556.11	1590.81	1526.84	1561.64
G21	1389.09	1449.12	1407.04	1457.04	1405.34	1450.06	1400.55	1438.15	1376.47	1413.37
G22	1237.87	1287.33	1253.37	1299.84	1253.02	1298.35	1250.08	1286.98	1240.21	1266.09
G23	1099.21	1150.72	1109.73	1155.45	1114.32	1160.69	1117.46	1150.62	1101.96	1133.07
G24	975.22	1018.74	989.97	1030.26	995.91	1030.51	993.07	1022.23	981.35	1010.22
G25	863.98	910.9	877.45	917.63	883.53	918.43	880.74	911.95	871.01	900.53
G26	767.16	805.15	778.08	813.43	783.46	814.03	780.87	808.04	773.04	797.52
G27	683.4	717.2	691.73	724.93	696.46	725.93	694.47	722.99	688.04	709.33
G28	608.96	638.08	616.49	644.51	618.34	645.76	617.44	639.57	611.65	629.9
G29	542.2	571.17	549.53	575.56	552.07	577.75	547.44	570.62	541.8	565.69
G30	486.81	509.94	490.65	513.63	491.5	509.2	484.97	504.96	479.23	494.34
G31	425.29	453.21	438.05	461.48	433.41	455.35	431.42	444.88	420.7	434.96
G32	373.04	398.81	380.71	401.65	382.31	399.51	374.03	390.93	366.3	379.22
G33	322.18	345.61	327.62	348.11	326.67	348.16	323.53	339.88	313.61	327.76
G34	274.67	295.26	278.75	296.8	278.51	299.69	276.46	292.32	269.83	280.0
G35	229.1	249.49	234.23	251.03	235.03	254.87	234.03	249.04	227.5	237.57
G36	195.04	209.95	195.79	210.5	196.04	214.44	197.74	210.85	191.55	200.68

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/29 11:33:23

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity:

Test Distance: 7.061 m

Remarks:

