

Report No.: KUPU-YT85-30D

Test Time: 2025/9/28 8:17:05

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: GZAILITELED
Luminaire Type: KUPU-YT85
Lamp Type:
Luminous Width: 77 mm
Luminous Length: 77 mm
Luminous Height: 24 mm

Voltage(V): 220.29 V
Current(A): 0.0550 A
Power(W): 11.18 W
Power Factor: 0.9220
Lamp Luminous Flux: 803.98

Photometric Results

CIE Class: Direct
Luminaire Luminous Flux: 803.9844 lm
Downward Ratio: 0.12%
Luminaire Efficacy Rating(LER): 71.91 lm/W
Beam Angle(50%) C0-180,C90-270: 31.6,31.6
Field Angle(10%) C0-180,C90-270: 59.6,59.3
S/MH C0-180,C90-270: 0.573,0.536

Max. Intensity: 1827.08 cd
Max.Intensity Angle: C=0 Gamma=3
Upward Ratio: 99.88%
Efficacy: 100.00%
Center Intensity: 1759.37 cd
Effective Luminous Flux: 507.86 lm
ERP(ϕ use)(120deg): 656.50 lm

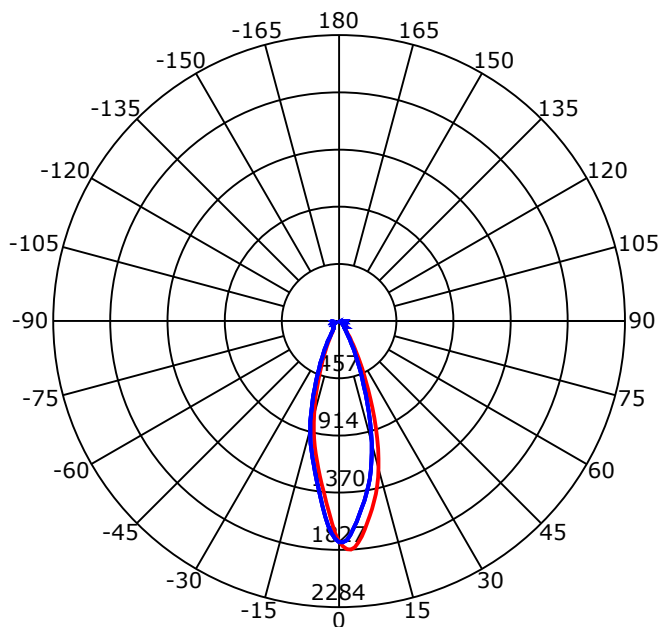
CIE Color Parameter

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



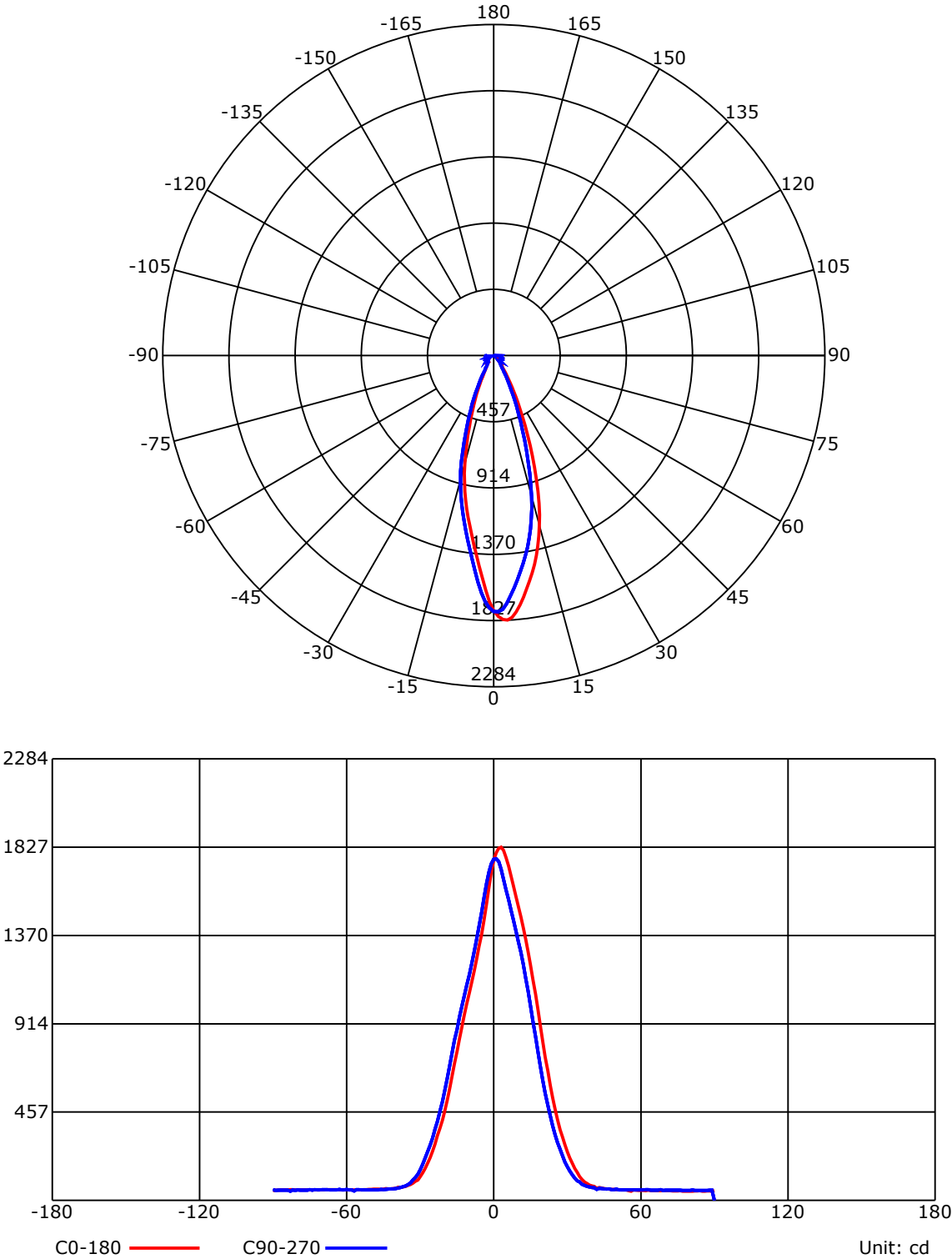
Beam Angle(50%) C0-180,C90-270: 31.6 deg,31.6 deg

C0-180 — C90-270 —

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025/9/28 8:17:05

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

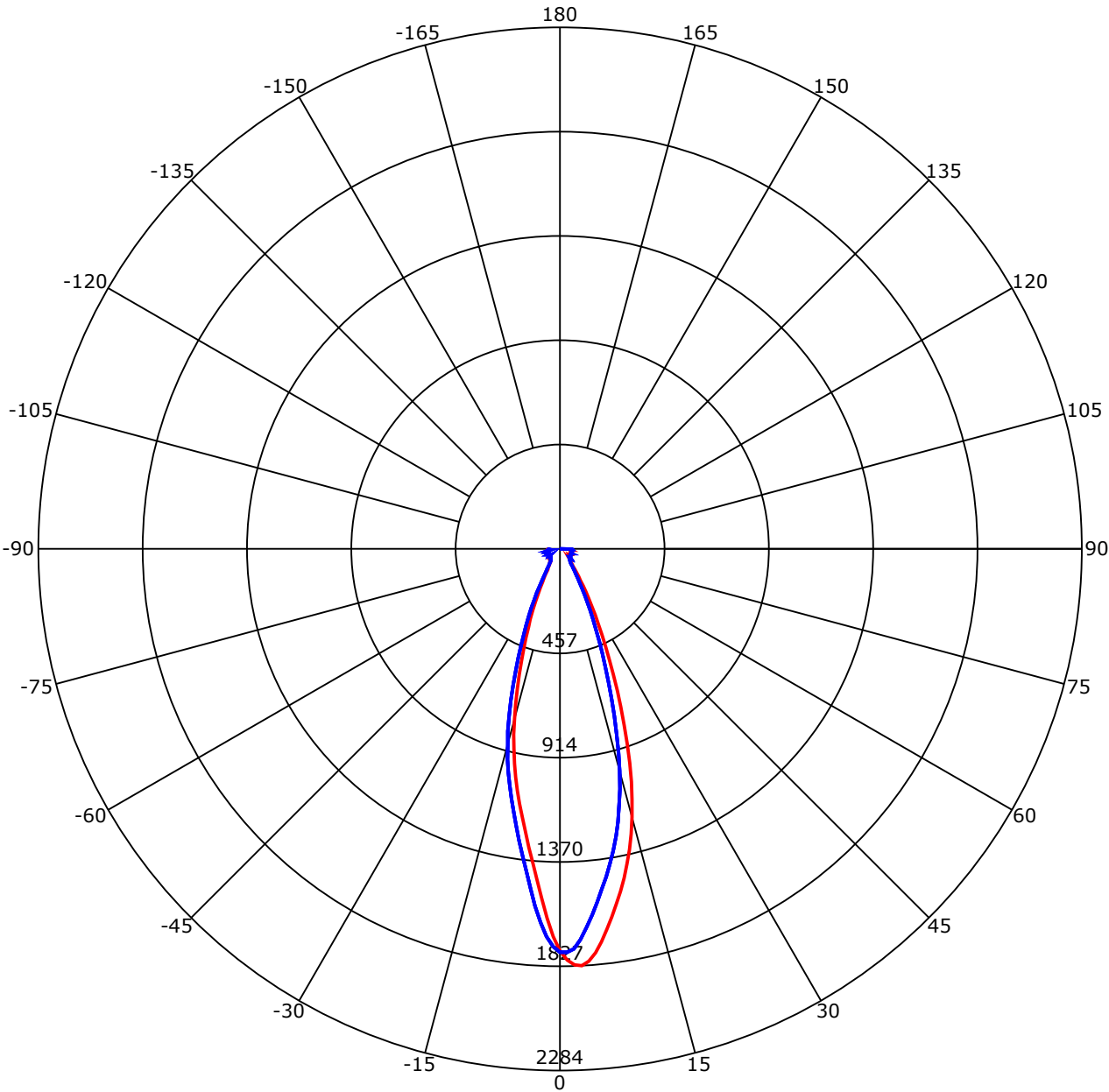
Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg
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Test Speed: High
Temperature:
Operators:
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Humidity:
Test Distance: 7.061 m
Remarks:

Luminous Intensity Distribution Curve



C0-180 — C90-270
Unit: cd/klm

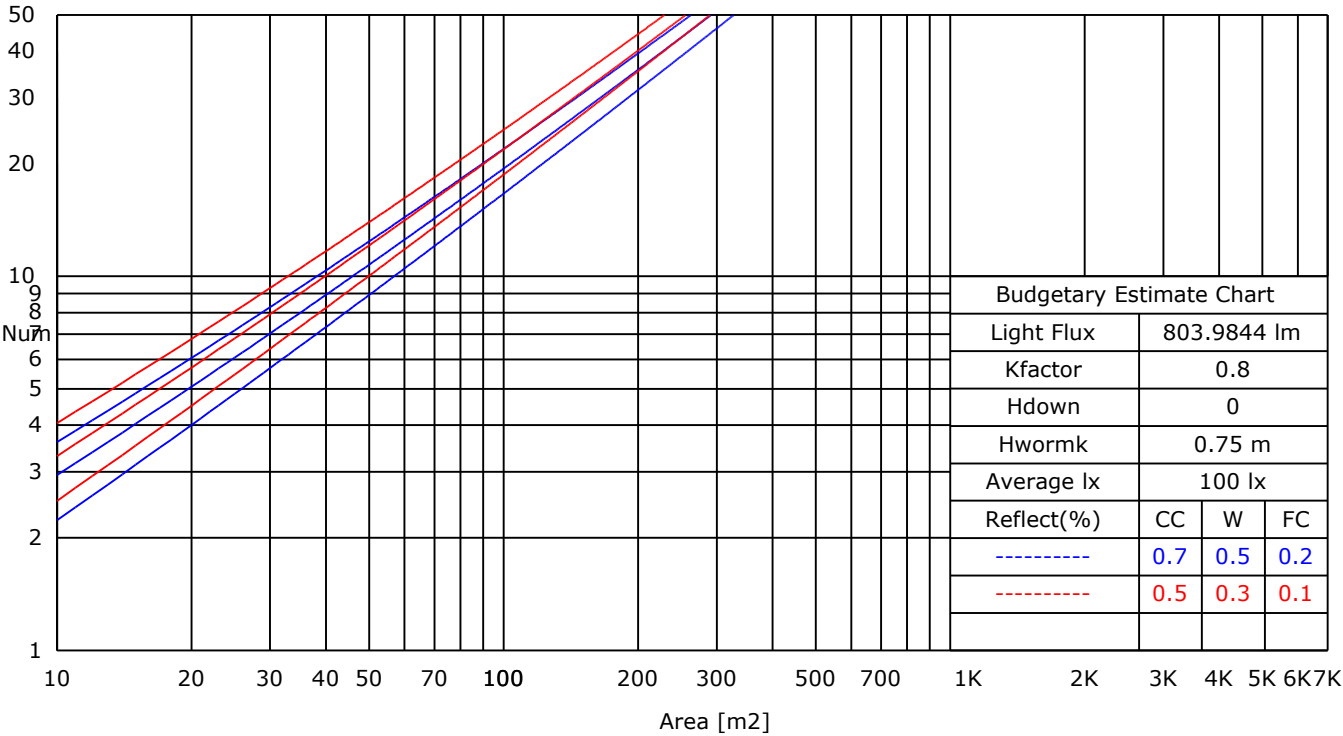
C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025/9/28 8:17:05

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

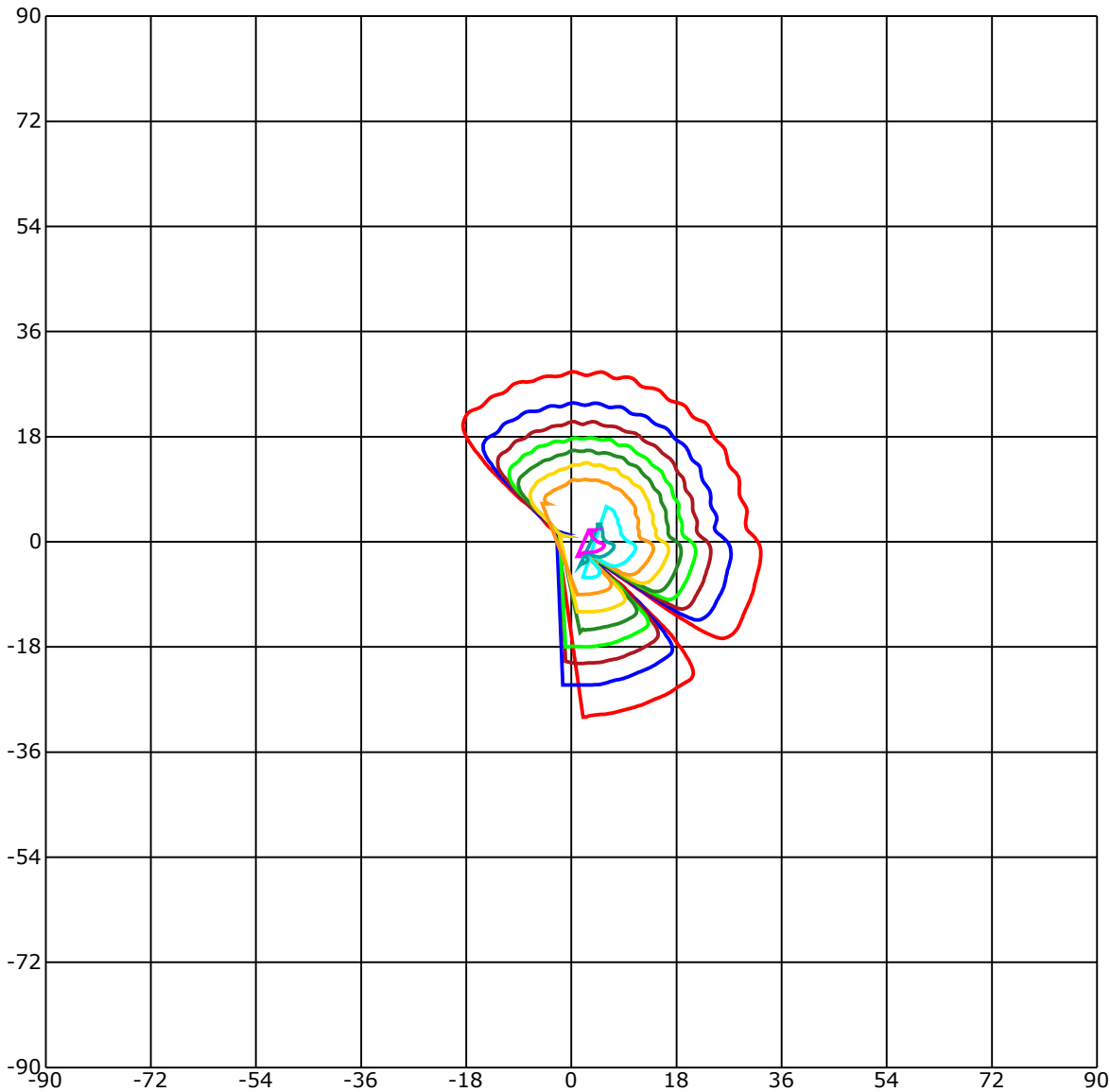
UTILIZATION FACTORS TABLE

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	1.12	1.12	1.12	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.04	1.03	1.03	1.02	1.01	0.99	0.98	0.97	0.94	0.93	0.91	0.88	0.86	0.85	0.80
2	0.95	0.93	0.92	0.93	0.91	0.90	0.90	0.88	0.86	0.86	0.84	0.82	0.81	0.79	0.76	0.72
3	0.87	0.85	0.84	0.86	0.84	0.82	0.84	0.81	0.79	0.80	0.77	0.74	0.76	0.73	0.70	0.66
4	0.81	0.79	0.78	0.80	0.78	0.76	0.78	0.75	0.73	0.75	0.72	0.69	0.72	0.68	0.65	0.61
5	0.76	0.74	0.73	0.75	0.73	0.71	0.74	0.70	0.68	0.71	0.67	0.65	0.68	0.64	0.61	0.57
6	0.71	0.70	0.69	0.71	0.69	0.67	0.70	0.66	0.64	0.68	0.64	0.61	0.65	0.61	0.57	0.54
7	0.68	0.66	0.65	0.67	0.65	0.64	0.66	0.63	0.61	0.64	0.60	0.58	0.62	0.58	0.54	0.51
8	0.64	0.63	0.62	0.64	0.62	0.61	0.63	0.60	0.58	0.62	0.58	0.55	0.60	0.55	0.52	0.49
9	0.62	0.60	0.59	0.61	0.59	0.58	0.60	0.57	0.55	0.59	0.55	0.52	0.57	0.53	0.49	0.46
10	0.59	0.57	0.57	0.59	0.57	0.55	0.58	0.55	0.53	0.57	0.53	0.50	0.55	0.51	0.47	0.44

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



ISOCANDELA DIAGRAM (RECTANGULAR)



Unit of intensity:cd I_{max}(100%): 1827.084 cd

- | | |
|--------------------------------|-------------------------------|
| 1735.73(95%I _{max}) | 913.542(50%I _{max}) |
| 1644.376(90%I _{max}) | 730.834(40%I _{max}) |
| 1461.667(80%I _{max}) | 548.125(30%I _{max}) |
| 1278.959(70%I _{max}) | 365.417(20%I _{max}) |
| 1096.25(60%I _{max}) | 182.708(10%I _{max}) |

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/28 8:17:05

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

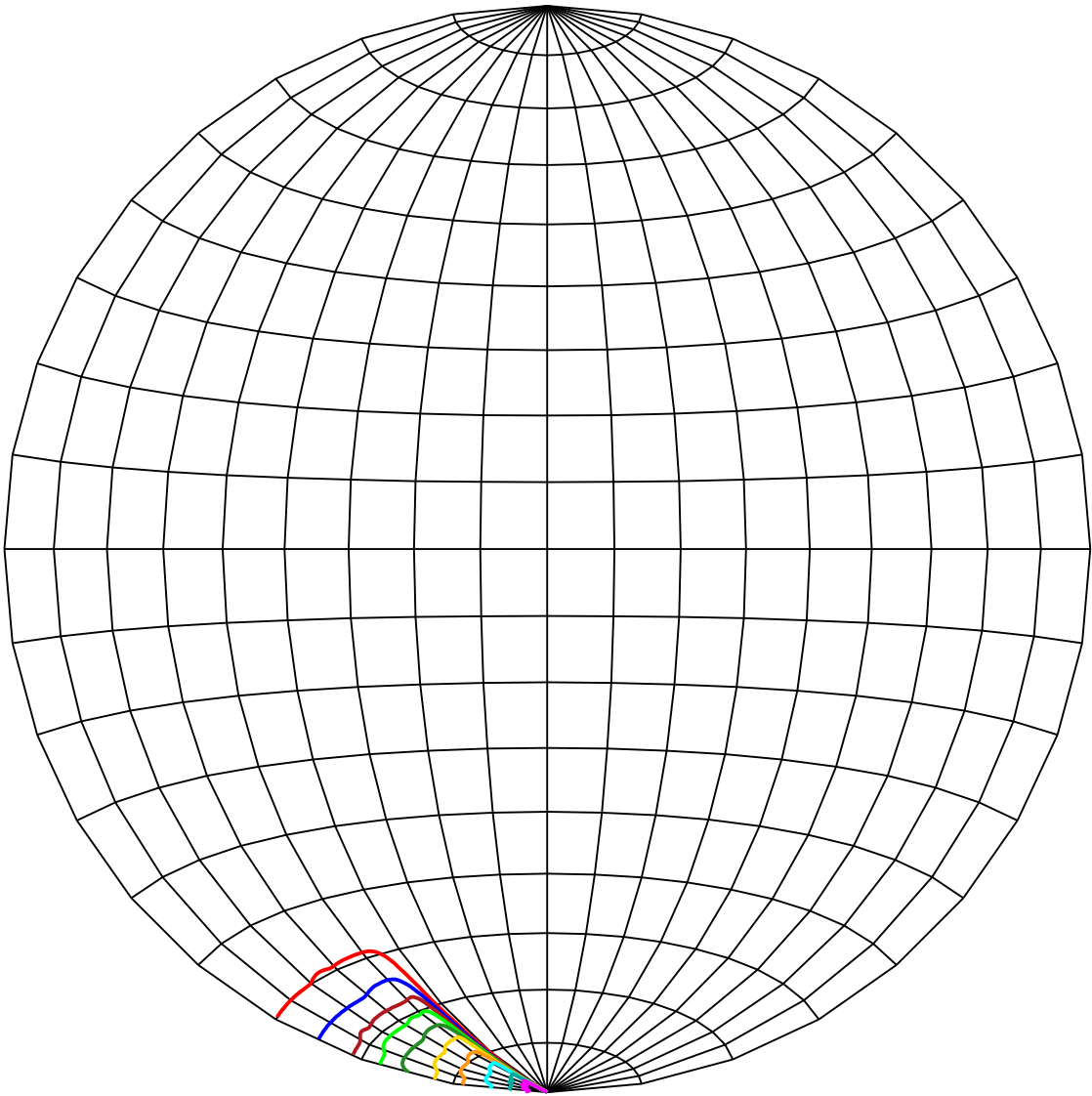
Test System: Huipu CPM-1600B Goniophotometer

Humidity:

Test Distance: 7.061 m

Remarks:

ISOCANDELA DIAGRAM (SPHERE)



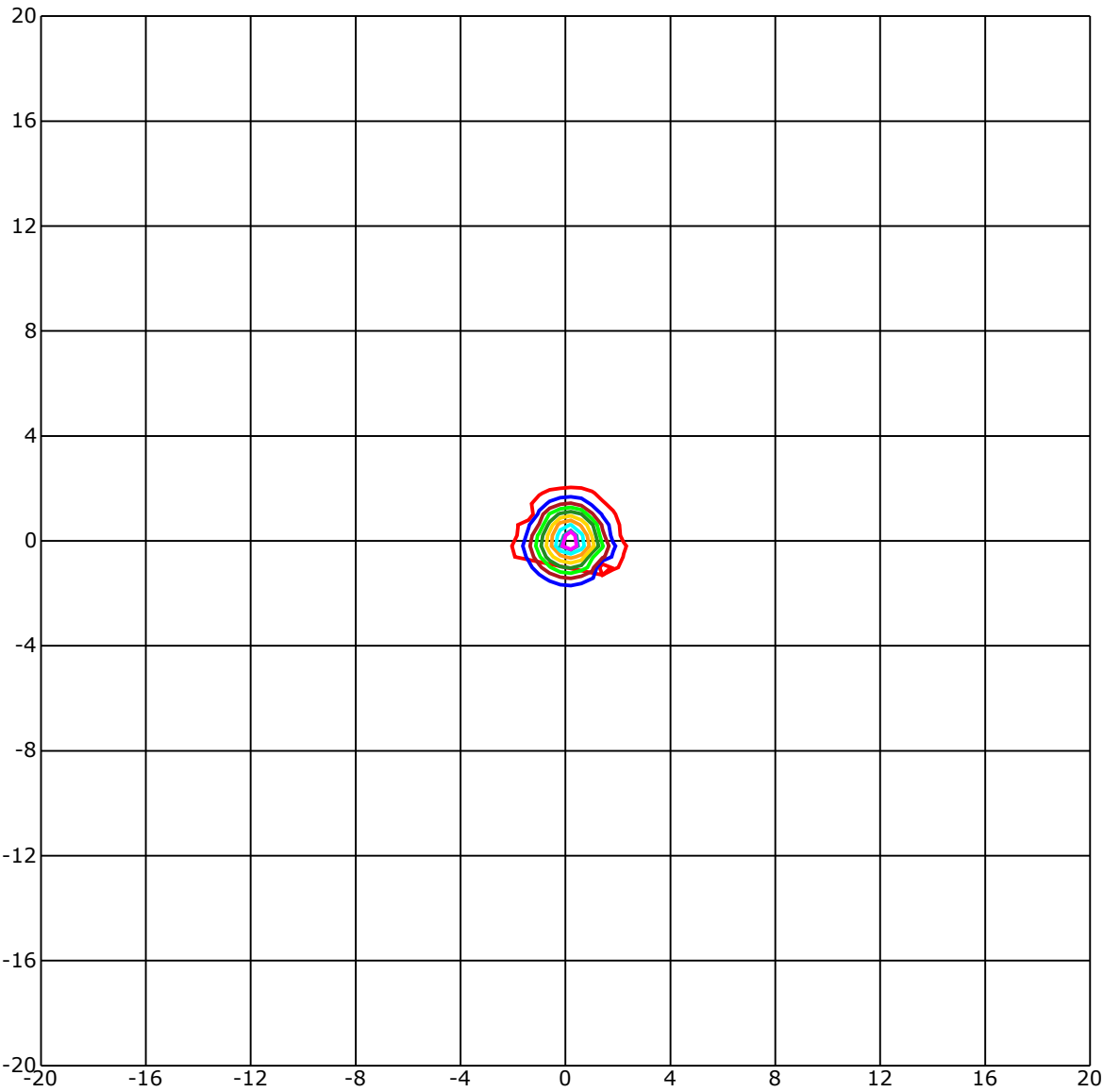
Unit of intensity:cd Imax(100%): 1827.084 cd

- | | |
|-------------------|------------------|
| 1735.73(95%Imax) | 913.542(50%Imax) |
| 1644.376(90%Imax) | 730.834(40%Imax) |
| 1461.667(80%Imax) | 548.125(30%Imax) |
| 1278.959(70%Imax) | 365.417(20%Imax) |
| 1096.25(60%Imax) | 182.708(10%Imax) |

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025/9/28 8:17:05

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

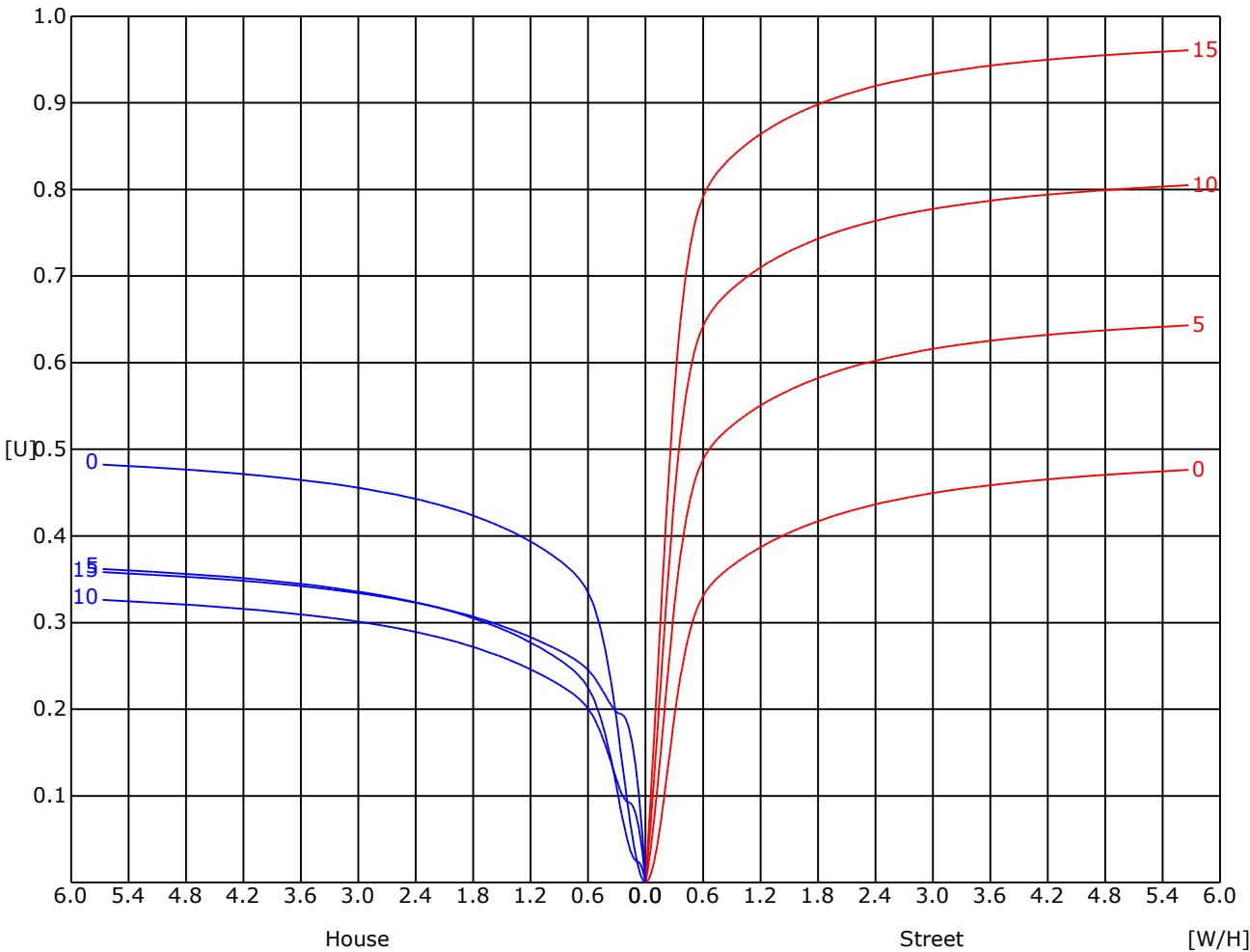
ISOLX DIAGRAM



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

104.626(92%Emax)	56.862(50%Emax)
102.352(90%Emax)	45.49(40%Emax)
90.979(80%Emax)	34.117(30%Emax)
79.607(70%Emax)	22.745(20%Emax)
68.234(60%Emax)	11.372(10%Emax)

UTILIZATION FACTOR DIAGRAM (ROAD)

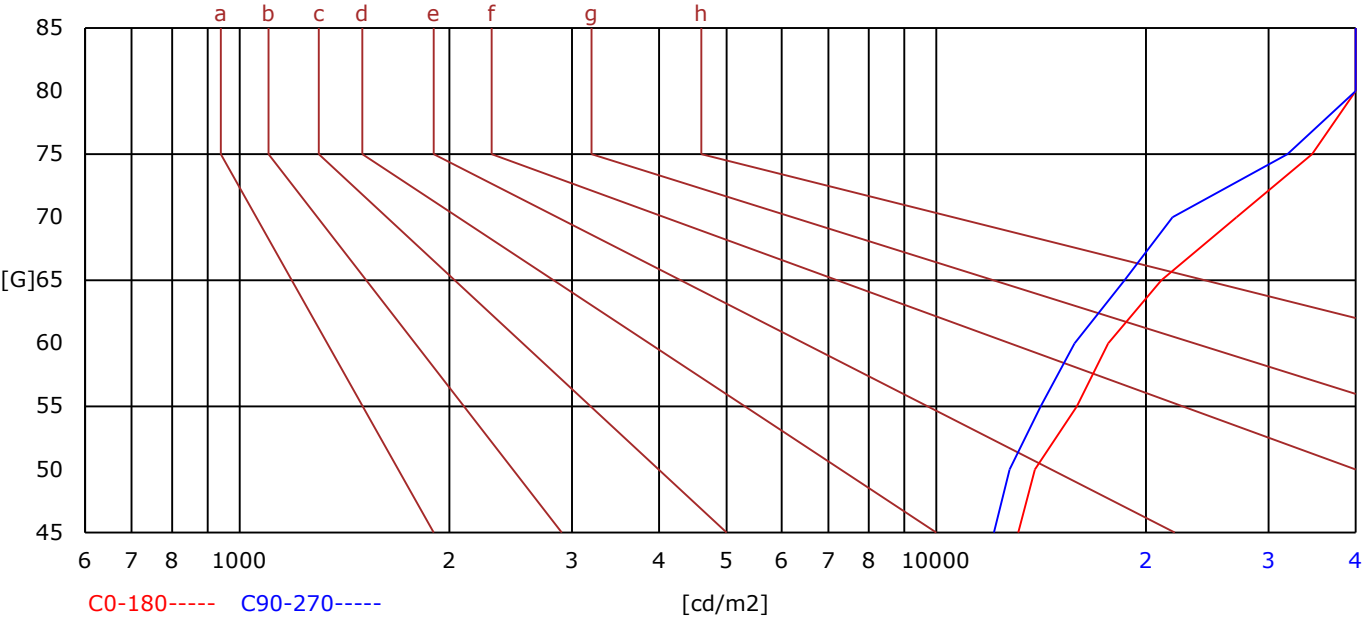


C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025/9/28 8:17:05

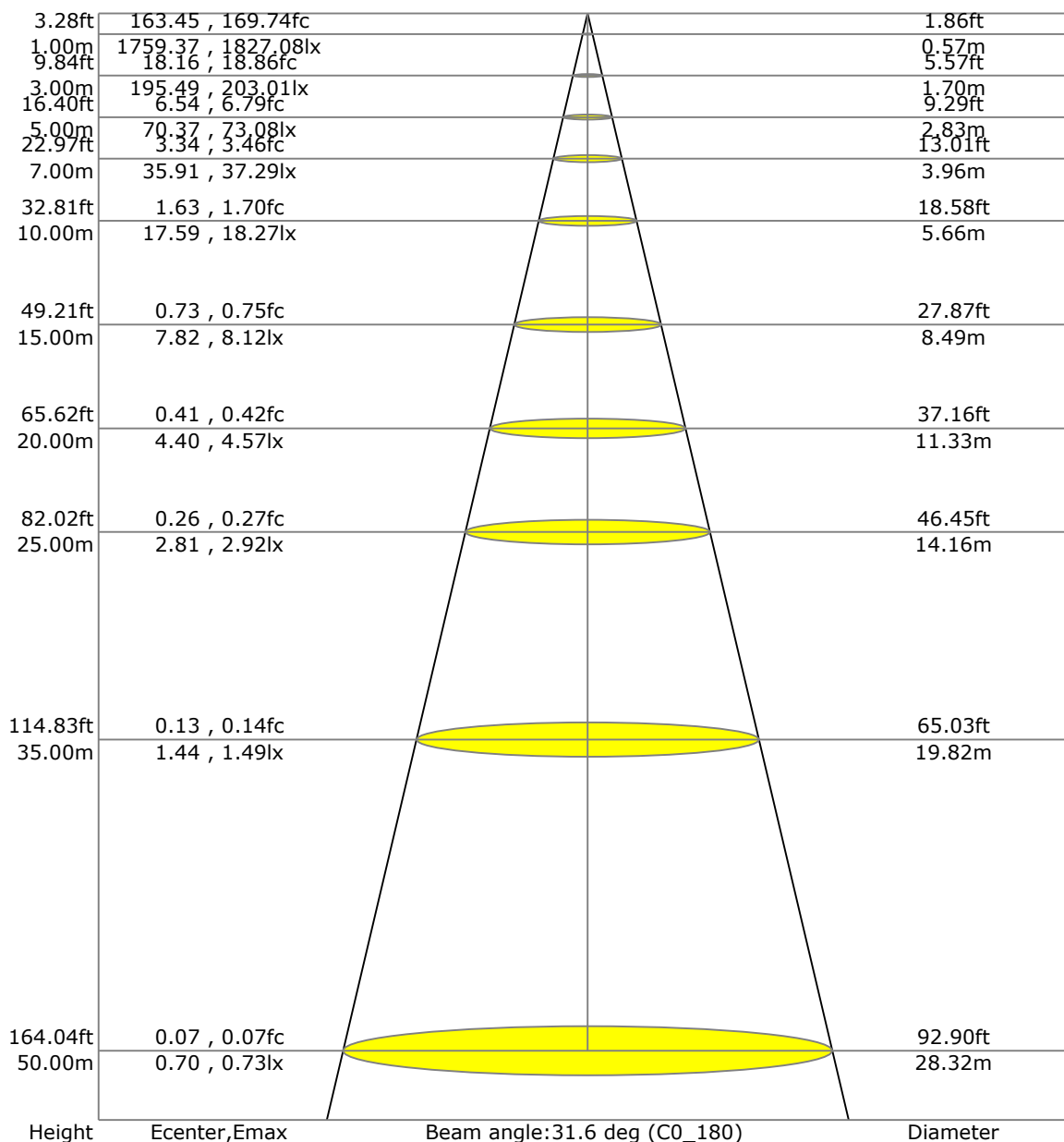
G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity:
Test Distance: 7.061 m
Remarks:

BRIGHT LIMIT DIAGRAM

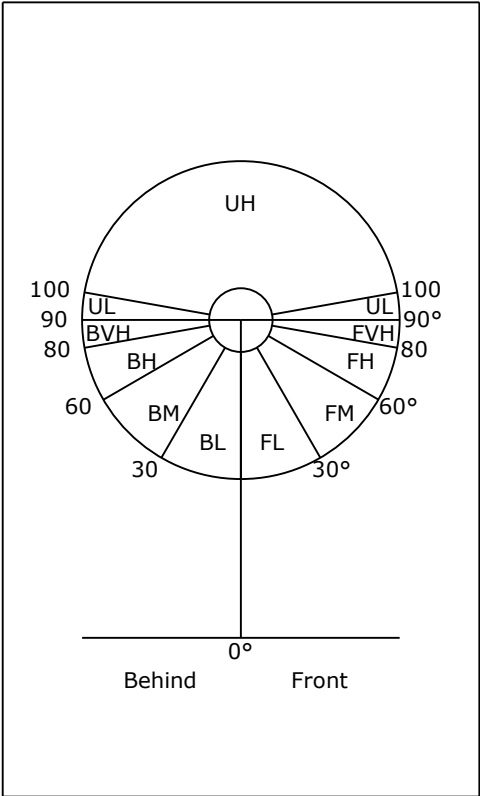
C/G	45	50	55	60	65	70	75	80	85
C0	13105	13857	15908	17650	21041	26984	34647	51898	94392
C90	12100	12740	14121	15795	18635	21823	31930	45653	91303
Dazzle	Quality	Illuminance	---	---	---	---	---	---	---
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				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	397.8	49.5
FL (0°-30°)	255.4	31.8
FM (30°-60°)	69.0	8.6
FH (60°-80°)	48.2	6.0
FVH (80°-90°)	25.2	3.1

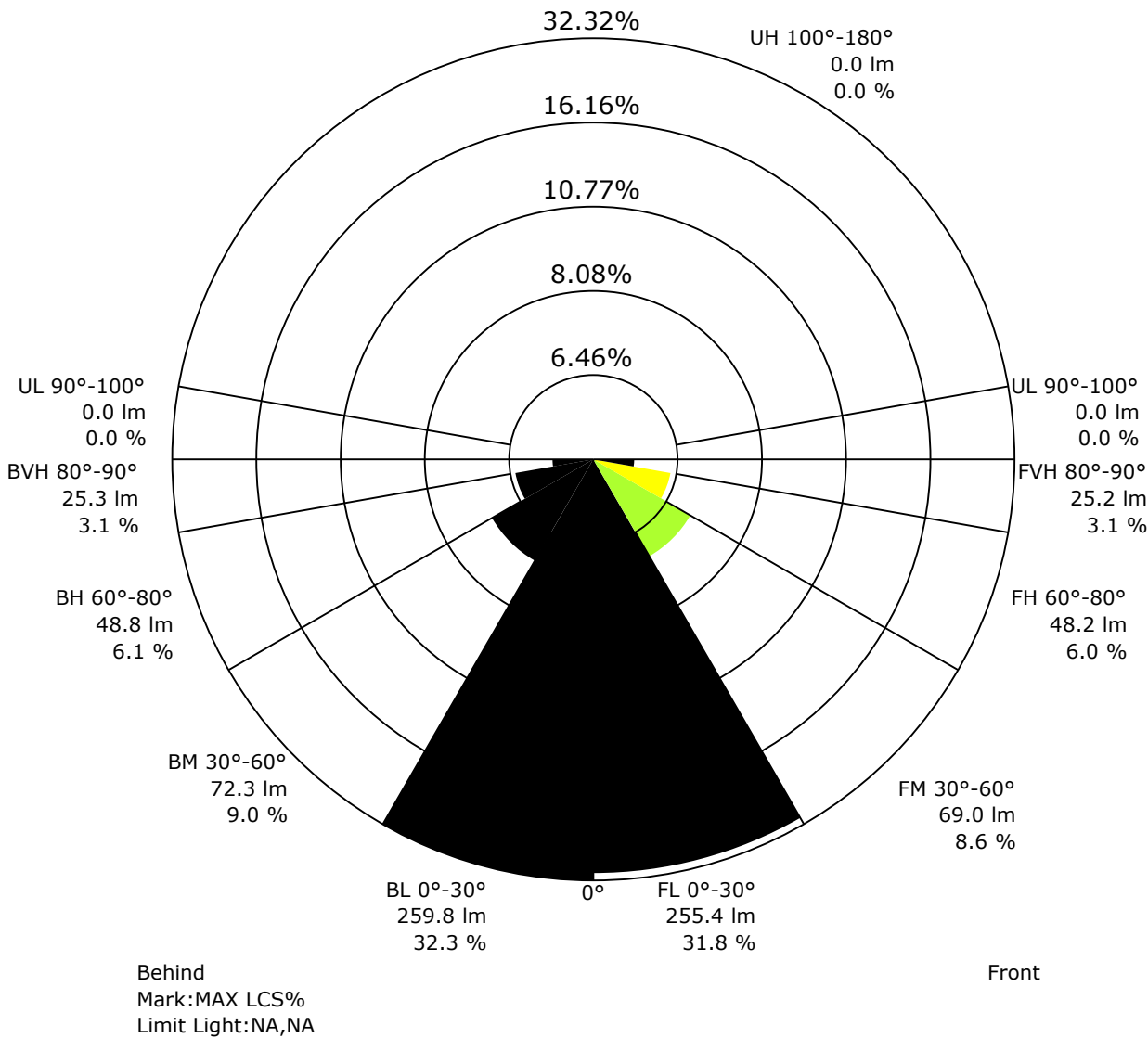
Behind	406.1	50.5
BL (0°-30°)	259.8	32.3
BM (30°-60°)	72.3	9.0
BH (60°-80°)	48.8	6.1
BVH (80°-90°)	25.3	3.1

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)	B1 U0 G1
Symmetrical Lighting Fixtures (Type V , Area Light)	B1 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	19.69	20.03	19.85	20.38	20.81	19.61	19.94	19.77	20.30	20.72
3H	19.92	20.25	20.10	20.60	21.04	19.84	20.17	20.02	20.53	20.97
4H	19.97	20.30	20.17	20.66	21.10	19.94	20.26	20.13	20.62	21.07
6H	19.97	20.28	20.17	20.64	21.10	19.94	20.25	20.14	20.61	21.07
8H	19.90	20.21	20.12	20.57	21.04	19.87	20.18	20.09	20.54	21.01
12H	19.83	20.14	20.06	20.50	20.98	19.80	20.10	20.03	20.47	20.94
4H 2H	24.74	25.06	24.93	25.42	25.87	24.48	24.80	24.67	25.16	25.61
3H	25.15	25.45	25.37	25.82	26.29	24.97	25.27	25.19	25.64	26.11
4H	25.31	25.59	25.55	25.97	26.45	25.14	25.43	25.39	25.80	26.29
6H	25.43	25.70	25.70	26.08	26.59	25.27	25.54	25.54	25.92	26.43
8H	25.45	25.71	25.73	26.09	26.61	25.31	25.57	25.60	25.95	26.47
12H	25.43	25.67	25.73	26.06	26.59	25.30	25.54	25.60	25.93	26.46
8H 4H	27.72	28.03	27.94	28.39	28.86	27.41	27.72	27.63	28.08	28.55
6H	29.17	29.39	29.48	29.78	30.33	28.95	29.17	29.26	29.57	30.11
8H	29.30	29.50	29.63	29.90	30.46	29.10	29.30	29.43	29.70	30.26
12H	29.41	29.59	29.76	29.99	30.57	29.22	29.39	29.57	29.80	30.38
12H 4H	30.17	30.41	30.47	30.80	31.34	29.91	30.15	30.21	30.54	31.07
6H	30.69	30.90	31.02	31.29	31.86	30.45	30.65	30.78	31.05	31.61

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025/9/28 8:17:05

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

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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	1522.7	1322.7	1413.3	1344.9	1430.4	1360.6	1445.0	1370.9	10	130.3	130.3	16.2	16.2
20	820.8	584.4	696.4	602.1	712.7	614.1	720.6	614.0	20	239.6	370.0	46.0	46.0
30	252.0	159.9	201.4	163.9	205.9	166.3	204.7	166.4	30	145.2	515.2	64.1	64.1
40	75.3	62.9	70.5	61.8	70.5	69.2	69.0	56.1	40	56.2	571.4	71.1	71.1
50	56.0	52.8	56.0	51.2	57.8	57.0	53.1	50.4	50	41.4	612.8	76.2	76.2
60	51.3	52.3	53.6	46.5	54.1	54.0	51.1	48.7	60	43.7	656.5	81.7	81.7
70	50.5	54.7	54.1	41.2	52.9	53.5	51.0	44.4	70	47.4	703.9	87.6	87.6
80	47.5	53.4	52.5	46.7	54.5	54.1	50.7	48.2	80	49.6	753.5	93.7	93.7
90	49.4	58.7	0.0	50.4	0.0	52.9	0.0	45.3	90	50.5	804.0	100.0	100.0

Conical surface Flux(90deg) : 592.1 lm

%lum = 73.6%

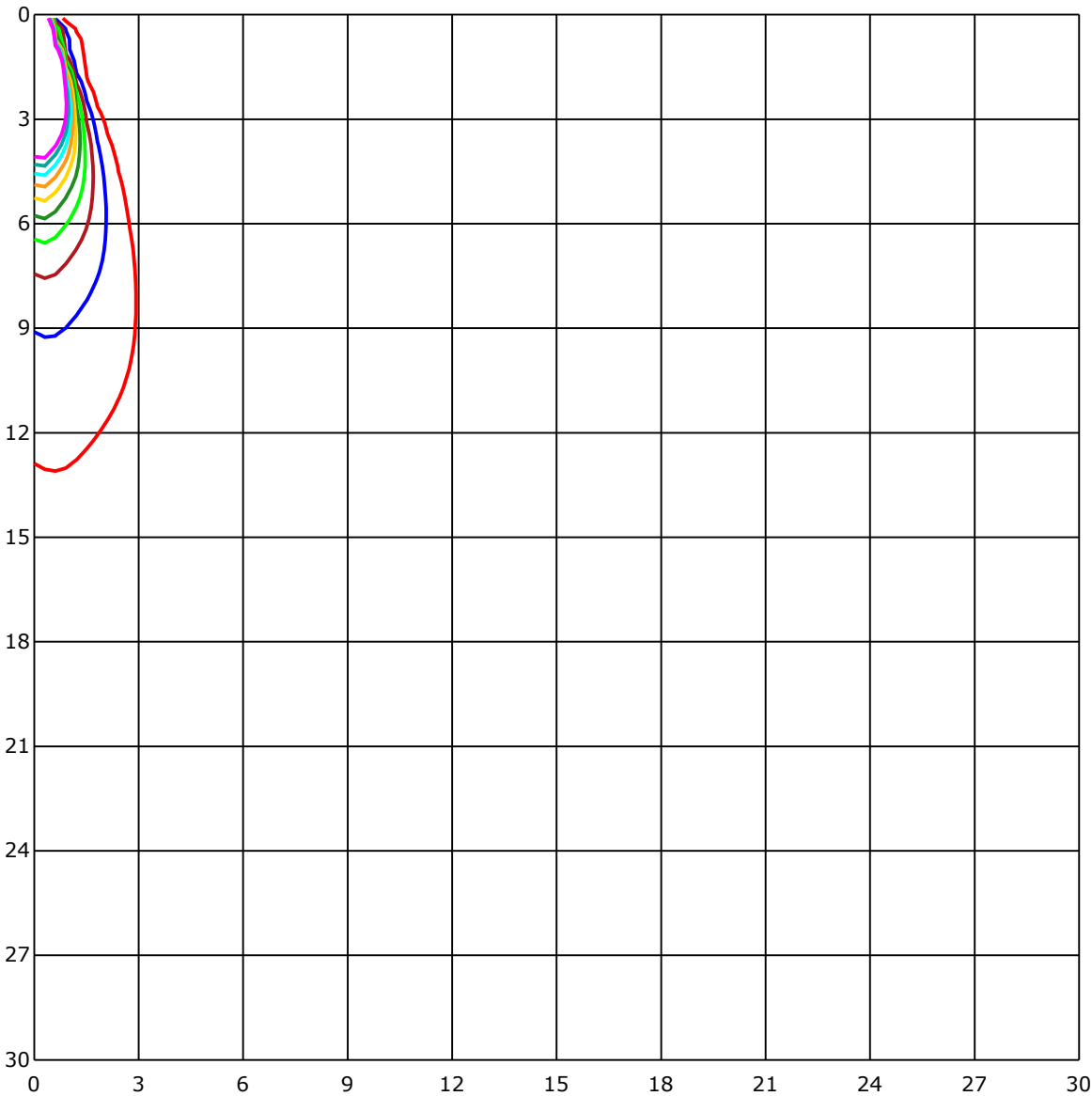
%lamp = 73.6%

Conical surface Flux(120deg) : 656.5 lm

%lum = 81.7%

%lamp = 81.7%

SPACE ISOLX DIAGRAM



Unit of illumination:lx

- | | |
|--------|--------|
| 106.08 | 53.04 |
| 95.472 | 42.432 |
| 84.864 | 31.824 |
| 74.256 | 21.216 |
| 63.648 | 10.608 |

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/28 8:17:05

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

Gamma\C	C0	C5	C10	C15	C20	C25	C30	C35	C40	C45
G0	1759.37	1776.49	1739.29	1781.63	1745.27	1792.76	1745.58	1796.18	1749.18	1797.77
G1	1799.73	1775.78	1769.17	1788.73	1780.3	1796.49	1789.66	1797.73	1788.73	1796.31
G2	1821.94	1747.89	1786.25	1763.45	1794.76	1775.12	1799.86	1776.0	1799.68	1772.72
G3	1827.08	1703.1	1768.69	1722.35	1779.99	1731.26	1785.49	1736.32	1786.02	1732.15
G4	1809.92	1651.58	1731.7	1671.04	1742.21	1686.56	1753.43	1689.05	1750.55	1686.03
G5	1775.03	1600.18	1680.93	1616.86	1700.0	1634.59	1707.49	1640.18	1706.56	1635.53
G6	1729.44	1542.58	1627.77	1567.15	1646.79	1581.16	1658.58	1589.32	1655.39	1588.17
G7	1678.23	1490.04	1574.2	1509.06	1592.91	1524.23	1607.41	1537.57	1608.88	1535.53
G8	1626.79	1434.74	1525.47	1455.81	1539.66	1471.06	1548.66	1481.08	1558.24	1481.17
G9	1574.11	1380.11	1468.53	1400.87	1486.8	1416.92	1500.72	1427.16	1504.63	1426.01
G10	1522.72	1322.73	1413.28	1344.91	1430.35	1360.65	1445.03	1370.93	1450.71	1367.39
G11	1467.16	1261.63	1357.59	1285.84	1376.3	1302.16	1389.51	1313.16	1394.83	1308.46
G12	1410.09	1189.62	1300.08	1222.21	1319.9	1239.37	1333.69	1246.11	1336.52	1245.0
G13	1350.63	1124.57	1236.0	1153.48	1258.66	1172.01	1275.42	1177.38	1275.15	1171.88
G14	1285.93	1043.02	1168.91	1076.37	1192.68	1094.9	1210.5	1100.31	1205.67	1094.59
G15	1216.45	966.31	1092.86	996.06	1118.58	1013.71	1131.31	1023.02	1130.64	1014.6
G16	1142.75	887.29	1015.26	913.5	1038.68	929.2	1050.07	934.03	1056.24	931.41
G17	1066.57	809.47	934.47	824.72	956.16	846.01	966.27	856.12	973.23	847.65
G18	985.69	732.58	853.28	750.1	872.13	764.55	881.44	766.9	882.99	765.13
G19	902.72	654.94	773.46	674.05	791.02	687.09	801.13	688.06	799.18	685.84
G20	820.82	584.43	696.4	602.08	712.67	614.05	720.61	613.96	718.97	612.37
G21	740.78	520.23	625.45	535.26	639.28	542.31	645.05	546.65	644.38	545.23
G22	670.72	461.74	557.34	473.22	570.02	480.63	575.43	483.78	574.94	482.98
G23	595.03	408.79	495.88	417.66	505.73	424.53	511.0	427.19	505.41	427.24
G24	530.47	361.43	438.99	371.99	446.44	375.31	445.46	375.4	452.96	375.76
G25	471.94	318.38	391.54	321.93	393.27	326.98	392.25	329.29	400.28	329.77
G26	418.68	279.58	341.53	288.0	345.78	286.81	351.01	287.78	351.1	287.78
G27	365.16	244.99	301.75	251.91	304.14	250.67	304.06	250.49	309.16	249.43
G28	327.38	213.82	263.22	216.83	271.55	223.88	269.96	218.03	269.16	215.28
G29	287.87	185.26	231.16	188.68	234.22	194.18	235.68	191.69	233.77	185.4
G30	252.04	159.9	201.45	163.93	205.88	166.28	204.73	166.42	202.25	158.79
G31	219.63	137.2	175.06	142.21	178.12	144.73	177.55	139.63	173.38	137.33
G32	190.45	117.86	153.6	123.8	150.37	127.09	153.07	120.48	149.12	118.26
G33	164.47	101.68	131.39	108.33	135.64	104.74	132.58	104.96	128.81	101.59
G34	145.53	89.26	113.56	94.63	118.44	99.59	115.38	92.9	111.74	88.64
G35	122.74	80.92	100.3	85.36	104.38	89.17	101.63	83.5	99.11	86.73
G36	107.66	74.1	91.12	77.78	92.76	80.35	90.77	77.38	89.22	78.84

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/28 8:17:05

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	95.91	69.75	83.72	71.83	85.71	75.56	82.48	71.35	81.59	72.54
G38	86.69	66.56	78.57	67.98	78.22	71.48	76.09	67.62	75.52	67.93
G39	79.33	64.65	74.5	66.91	73.79	68.51	71.83	64.87	70.95	64.12
G40	75.34	62.92	70.46	61.81	70.5	69.17	69.04	56.14	66.96	64.21
G41	72.1	61.1	67.31	62.35	67.84	63.99	66.42	59.77	63.72	59.15
G42	62.7	52.86	66.65	57.38	65.63	62.26	64.03	57.65	60.7	60.0
G43	66.47	57.38	62.52	55.96	63.76	60.79	61.55	55.29	60.57	58.35
G44	63.68	56.18	60.84	54.23	62.21	59.55	59.51	54.05	56.23	53.96
G45	60.53	54.94	59.51	53.26	61.1	58.93	57.82	52.94	54.76	53.26
G46	59.68	54.28	58.53	52.37	58.53	58.49	56.36	52.37	53.52	52.81
G47	58.4	56.98	57.87	51.84	60.08	58.71	55.03	51.61	55.25	52.86
G48	57.51	53.34	57.25	51.7	59.46	58.31	54.32	51.17	51.79	52.24
G49	56.67	53.08	56.58	51.26	52.86	57.73	56.63	50.73	50.99	51.53
G50	56.0	52.81	56.05	51.17	57.82	56.98	53.12	50.37	50.51	46.87
G51	55.07	52.55	55.69	51.04	58.09	55.92	52.55	52.5	50.51	49.71
G52	54.5	52.55	55.74	50.55	55.65	55.12	52.32	50.2	50.51	49.04
G53	54.01	52.9	55.34	49.93	58.04	54.59	52.01	50.46	50.46	48.64
G54	54.45	53.79	56.4	47.45	54.72	54.81	52.01	50.99	50.37	48.38
G55	49.89	54.1	49.71	48.16	54.54	54.41	49.13	44.56	49.53	47.89
G56	47.93	53.92	50.06	49.09	54.32	54.14	47.27	50.55	48.6	47.76
G57	53.83	48.78	55.83	47.22	54.05	57.07	52.72	50.15	47.89	47.49
G58	52.72	52.77	54.5	47.05	54.01	56.8	52.41	49.31	47.54	47.22
G59	52.01	52.37	54.01	46.78	53.92	53.83	51.84	48.91	47.18	47.31
G60	51.35	52.32	53.61	46.47	54.14	53.96	51.08	48.73	49.62	47.58
G61	50.95	52.46	53.39	46.2	54.36	54.32	50.55	48.6	46.87	47.98
G62	50.73	52.5	53.39	46.16	54.94	55.25	50.24	48.51	46.87	48.38
G63	53.12	52.41	53.34	45.76	54.98	48.69	50.28	48.51	46.69	42.26
G64	50.24	52.28	53.08	48.24	54.67	55.16	50.2	51.13	48.29	47.8
G65	50.02	52.72	52.99	45.58	54.28	54.85	50.46	48.38	46.69	46.69
G66	49.8	52.9	53.08	46.96	53.34	53.96	50.24	48.47	47.31	46.65
G67	49.75	53.21	52.94	46.43	53.08	53.65	50.33	48.47	47.54	46.52
G68	49.53	53.96	54.5	46.78	52.86	53.39	53.03	48.87	47.62	46.56
G69	50.64	54.72	53.26	47.27	52.9	56.45	50.46	49.66	47.45	46.52
G70	50.46	54.72	54.1	41.19	52.94	53.48	51.04	44.43	46.34	46.43
G71	50.11	54.36	54.41	47.27	52.94	53.39	51.35	49.93	46.07	46.34
G72	49.44	54.05	47.89	47.05	52.9	53.43	51.92	49.93	45.85	46.25
G73	48.64	53.3	54.1	46.38	52.81	53.3	52.06	47.14	45.94	46.38

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/28 8:17:05

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity:

Test Distance: 7.061 m

Remarks:

[illegible]

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025/9/28 8:17:05

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	1754.76	1796.93	1763.45	1788.64	1757.02	1778.93	1756.36	1770.46	1765.05	1760.53
G1	1791.34	1790.77	1791.39	1776.89	1784.21	1762.17	1774.36	1747.18	1766.51	1730.51
G2	1799.02	1759.15	1790.37	1749.71	1779.06	1725.81	1763.45	1706.52	1752.23	1683.55
G3	1780.3	1721.46	1767.05	1700.89	1750.73	1681.51	1730.91	1654.73	1712.68	1629.23
G4	1744.21	1672.99	1724.74	1649.94	1708.2	1626.3	1683.77	1603.33	1660.49	1574.51
G5	1702.13	1623.33	1675.52	1601.43	1657.65	1575.53	1633.18	1549.68	1608.12	1521.39
G6	1649.63	1572.96	1633.4	1549.9	1606.57	1522.85	1583.29	1496.16	1554.78	1467.25
G7	1600.14	1521.39	1578.24	1497.31	1554.2	1469.11	1528.88	1442.59	1500.72	1412.79
G8	1549.63	1466.63	1531.32	1444.41	1501.79	1416.61	1475.54	1388.94	1450.04	1356.21
G9	1501.17	1410.71	1478.64	1390.71	1449.42	1363.22	1422.68	1335.42	1395.99	1298.3
G10	1444.41	1357.54	1423.21	1334.17	1396.87	1305.84	1370.54	1274.76	1341.18	1235.78
G11	1385.43	1293.78	1366.68	1269.21	1343.13	1246.24	1315.95	1212.19	1282.83	1170.42
G12	1327.48	1228.42	1315.06	1210.5	1285.35	1179.55	1252.27	1143.28	1221.01	1102.0
G13	1263.98	1158.0	1252.85	1139.16	1223.72	1106.88	1190.55	1070.29	1148.78	1028.74
G14	1195.74	1079.29	1179.24	1060.49	1150.11	1031.63	1118.67	992.47	1083.29	949.86
G15	1121.06	1002.14	1105.32	978.73	1080.31	947.82	1042.31	913.1	1005.64	871.86
G16	1042.27	914.83	1025.91	894.65	999.48	865.83	962.72	832.62	926.89	794.22
G17	961.56	836.25	943.69	811.11	917.31	783.57	881.66	753.42	847.21	719.23
G18	871.82	752.98	859.89	730.36	830.31	705.0	800.47	680.61	768.28	646.69
G19	793.37	674.76	770.89	654.72	751.96	630.64	721.76	607.27	691.96	578.45
G20	712.45	600.97	698.75	587.09	674.8	561.64	646.33	538.14	619.91	509.27
G21	637.02	533.88	625.23	518.58	603.23	499.03	577.12	476.59	553.7	450.56
G22	566.96	472.69	556.59	458.19	535.88	433.05	513.26	420.14	492.42	397.0
G23	503.24	417.93	494.28	404.27	475.08	387.29	455.04	371.32	437.53	354.74
G24	447.02	371.06	437.62	355.4	418.64	339.18	402.14	326.98	385.38	310.93
G25	395.71	322.41	392.12	310.62	369.37	297.01	355.4	286.81	340.51	271.95
G26	348.4	279.18	339.26	271.6	324.9	259.62	313.28	251.02	299.75	238.12
G27	304.45	241.05	297.49	236.35	284.99	226.59	269.56	219.1	263.66	207.03
G28	264.37	206.01	262.2	201.14	250.18	196.79	241.0	190.36	230.89	184.51
G29	232.13	176.26	223.93	174.84	218.61	170.76	210.63	164.33	198.48	154.67
G30	198.88	150.54	192.27	148.86	190.63	152.05	182.87	142.16	174.04	133.47
G31	168.15	129.7	166.2	128.06	165.71	127.13	159.28	122.78	151.65	115.16
G32	145.13	113.61	144.25	109.75	138.04	110.63	137.99	107.22	131.39	100.66
G33	127.04	100.75	125.67	96.71	126.02	97.69	121.32	94.85	115.16	89.22
G34	108.86	89.7	110.86	89.26	110.37	87.09	107.13	84.47	101.85	79.77
G35	101.01	74.58	99.15	77.51	98.62	79.42	95.65	79.86	95.07	73.3
G36	92.41	74.14	89.04	70.64	88.33	69.97	86.82	73.48	83.19	69.22

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/28 8:17:05

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	1761.68	1771.21	1779.95	1761.41	1776.84	1742.88	1769.88	1723.41	0.0	0.0
G1	1758.04	1736.8	1771.61	1717.65	1761.72	1698.76	1749.35	1673.88	0.0	0.0
G2	1734.59	1684.52	1740.57	1658.63	1722.17	1632.2	1704.52	1605.82	0.0	0.0
G3	1691.09	1625.81	1688.38	1593.98	1666.39	1566.53	1641.96	1536.73	0.0	0.0
G4	1635.08	1566.88	1627.85	1536.82	1604.53	1502.32	1580.76	1467.82	0.0	0.0
G5	1580.81	1511.5	1568.7	1473.72	1541.56	1442.81	1509.15	1405.83	0.0	0.0
G6	1527.37	1456.52	1517.13	1422.15	1483.61	1383.75	1447.38	1344.46	0.0	0.0
G7	1473.59	1399.89	1461.17	1363.97	1425.92	1320.65	1386.68	1285.35	0.0	0.0
G8	1419.22	1339.41	1405.48	1303.09	1368.45	1265.22	1328.9	1230.37	0.0	0.0
G9	1362.55	1279.41	1347.21	1240.61	1309.21	1203.59	1268.46	1166.6	0.0	0.0
G10	1303.0	1215.91	1285.84	1176.4	1247.35	1140.22	1211.21	1105.28	0.0	0.0
G11	1242.16	1149.53	1223.94	1111.58	1185.1	1077.03	1144.7	1042.22	0.0	0.0
G12	1182.61	1081.29	1160.84	1043.33	1121.55	1009.1	1087.36	978.19	0.0	0.0
G13	1111.04	1009.46	1091.36	974.29	1055.84	941.39	1023.51	909.06	0.0	0.0
G14	1040.14	933.41	1021.92	900.99	986.57	868.71	956.29	841.09	0.0	0.0
G15	964.89	857.76	948.48	826.81	915.01	795.15	885.74	769.61	0.0	0.0
G16	887.25	781.58	873.23	751.52	840.91	721.14	813.02	698.26	0.0	0.0
G17	806.1	707.04	797.5	679.77	772.05	655.47	739.99	629.22	0.0	0.0
G18	735.11	635.16	723.14	609.71	693.96	584.74	673.16	559.78	0.0	0.0
G19	662.39	568.51	650.68	546.03	624.21	523.77	600.31	501.25	0.0	0.0
G20	593.92	506.7	584.43	486.92	559.51	467.06	537.52	449.28	0.0	0.0
G21	527.54	449.37	523.37	433.76	501.42	417.62	481.29	403.43	0.0	0.0
G22	471.23	396.42	467.1	384.85	448.26	372.52	429.99	355.14	0.0	0.0
G23	417.71	349.42	415.36	340.99	401.17	331.77	384.01	314.08	0.0	0.0
G24	372.83	306.81	368.31	303.88	357.58	292.13	342.06	281.22	0.0	0.0
G25	325.21	269.07	326.09	266.9	317.14	253.06	303.44	240.47	0.0	0.0
G26	286.01	234.93	286.76	227.61	276.56	218.08	260.38	207.39	0.0	0.0
G27	250.36	204.02	252.49	196.53	239.98	186.59	230.67	177.19	0.0	0.0
G28	219.1	180.12	218.52	168.46	206.06	158.75	197.68	152.45	0.0	0.0
G29	190.67	152.89	189.65	145.44	176.13	135.2	165.31	129.97	0.0	0.0
G30	165.4	132.05	163.98	124.74	150.01	121.68	143.31	112.72	0.0	0.0
G31	142.34	114.76	141.76	109.92	128.28	106.87	123.09	98.04	0.0	0.0
G32	120.08	93.78	122.83	97.77	110.9	91.74	106.42	87.09	0.0	0.0
G33	110.68	89.13	108.15	81.1	100.97	83.67	97.86	78.31	0.0	0.0
G34	98.62	79.51	96.36	75.16	86.73	77.24	88.06	71.66	0.0	0.0
G35	88.55	72.41	88.15	73.39	79.02	73.03	76.93	66.78	0.0	0.0
G36	80.3	67.27	80.13	67.09	73.3	69.71	71.79	62.92	0.0	0.0

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/28 8:17:05

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	1762.03	1694.32	1756.71	1681.02	1760.44	1672.42	1759.37	1776.49	1739.29	1781.63
G1	1722.13	1625.81	1710.2	1606.44	1700.04	1591.98	1697.16	1749.49	1687.72	1755.47
G2	1659.47	1547.64	1642.04	1526.71	1621.51	1508.22	1616.95	1699.42	1622.27	1701.73
G3	1586.44	1477.49	1564.71	1447.38	1546.8	1430.4	1531.81	1628.03	1550.83	1622.8
G4	1511.46	1403.48	1488.75	1379.23	1463.26	1357.5	1451.64	1546.4	1477.49	1542.14
G5	1441.17	1339.1	1417.58	1313.91	1391.86	1292.58	1377.67	1463.92	1406.14	1455.58
G6	1383.44	1276.57	1352.35	1251.08	1329.7	1229.79	1313.69	1382.51	1337.59	1377.1
G7	1314.93	1213.83	1288.9	1191.88	1261.81	1170.68	1247.22	1310.32	1274.09	1303.58
G8	1254.18	1158.49	1223.72	1129.49	1203.01	1112.51	1186.87	1245.89	1215.96	1238.35
G9	1198.71	1102.31	1170.06	1076.15	1145.63	1055.48	1130.02	1186.38	1159.95	1180.13
G10	1139.16	1039.43	1112.06	1016.95	1088.96	997.75	1074.28	1131.62	1106.61	1123.55
G11	1081.2	985.16	1055.17	957.75	1032.11	939.22	1016.64	1076.19	1057.21	1073.53
G12	1022.14	921.3	996.64	895.18	975.36	878.02	960.1	1021.38	997.57	1017.97
G13	959.17	856.56	935.09	830.09	914.3	814.44	898.24	965.42	941.12	960.06
G14	897.27	786.19	870.09	763.4	846.5	748.37	837.14	908.75	883.12	900.99
G15	828.67	717.55	803.75	697.68	784.64	682.7	771.96	850.44	822.6	843.35
G16	759.67	648.73	741.09	631.92	716.84	618.27	707.04	788.05	761.85	781.4
G17	690.1	584.12	668.77	571.13	650.64	551.09	641.77	726.42	700.03	719.9
G18	620.22	523.33	603.5	512.38	587.23	498.32	578.14	661.41	637.56	656.98
G19	558.76	468.3	542.31	457.88	526.83	445.29	518.67	602.21	575.21	590.51
G20	500.45	417.04	486.21	407.28	477.75	397.44	464.0	537.87	514.99	535.39
G21	447.55	371.37	435.35	361.04	421.65	353.05	414.47	482.0	460.63	479.78
G22	398.33	328.58	387.33	318.73	375.05	311.95	370.08	435.93	409.72	427.59
G23	353.68	289.16	337.8	280.24	332.75	273.86	334.25	385.11	366.05	382.94
G24	312.61	252.75	304.45	244.55	293.46	237.85	289.91	343.52	326.18	347.64
G25	275.81	219.98	268.05	212.05	257.54	208.72	254.17	306.45	288.71	305.3
G26	245.92	190.54	228.81	183.44	224.15	176.53	220.69	270.13	253.82	269.16
G27	210.32	164.16	204.11	157.95	194.13	150.54	191.43	237.32	220.38	236.17
G28	183.62	141.41	176.22	136.13	167.79	134.31	164.11	206.28	190.1	204.24
G29	158.97	122.07	151.96	117.55	144.29	111.88	142.07	178.48	161.67	174.98
G30	137.73	106.42	131.03	105.27	123.94	97.86	123.72	152.49	137.46	149.74
G31	116.84	94.32	114.09	91.88	107.66	87.18	104.69	131.65	118.13	129.48
G32	107.04	84.92	100.39	83.9	94.05	81.01	98.13	113.65	103.5	114.05
G33	96.31	80.13	90.33	77.64	83.9	73.25	89.26	100.04	92.37	101.59
G34	87.75	73.61	82.26	72.46	79.91	67.4	82.39	89.93	83.67	91.66
G35	81.32	70.46	76.27	68.38	74.45	65.67	77.29	82.39	76.98	83.76
G36	74.89	68.02	71.75	64.65	67.4	63.23	72.41	76.36	66.82	80.04

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/28 8:17:05

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	1745.27	1792.76	1745.58	1796.18	1749.18	1797.77	1754.76	1796.93	1763.45	1788.64
G1	1687.14	1758.58	1691.04	1762.48	1691.84	1766.38	1699.6	1764.52	1718.67	1767.05
G2	1621.47	1701.73	1629.58	1705.68	1621.51	1710.15	1632.95	1717.16	1664.53	1721.86
G3	1549.72	1629.94	1554.6	1628.03	1544.85	1634.28	1557.66	1642.31	1587.64	1649.14
G4	1476.16	1538.24	1474.96	1540.46	1469.55	1546.35	1482.63	1555.44	1510.66	1564.71
G5	1404.19	1452.26	1403.66	1455.01	1394.48	1460.82	1408.58	1468.27	1432.79	1477.31
G6	1332.62	1374.44	1336.26	1375.32	1329.56	1379.98	1339.63	1385.88	1361.22	1397.85
G7	1273.2	1302.07	1271.52	1302.96	1258.79	1300.83	1275.95	1312.31	1290.36	1325.79
G8	1213.3	1237.2	1212.81	1238.13	1198.62	1242.03	1215.91	1246.69	1234.01	1253.65
G9	1157.2	1177.78	1155.34	1171.48	1141.37	1179.42	1158.31	1190.9	1172.86	1193.48
G10	1102.84	1122.31	1101.95	1118.23	1094.9	1124.35	1105.01	1128.78	1118.09	1142.7
G11	1049.45	1068.08	1043.02	1066.26	1042.76	1070.56	1054.42	1076.37	1065.06	1090.2
G12	994.69	1014.24	994.82	1015.62	989.59	1021.21	1001.47	1026.84	1010.48	1037.61
G13	938.86	958.99	937.13	956.73	933.54	961.25	943.56	969.24	952.87	982.27
G14	879.71	903.96	876.92	898.47	875.81	901.17	883.43	911.24	893.46	924.18
G15	822.42	838.78	814.92	836.34	815.15	839.14	822.42	849.96	832.09	868.22
G16	753.51	775.73	752.49	772.89	753.2	775.81	757.01	786.28	767.61	798.74
G17	691.25	712.63	688.9	714.31	688.24	714.36	690.81	722.91	704.78	733.6
G18	629.26	648.46	626.82	649.13	623.59	650.46	633.61	659.37	641.28	667.93
G19	568.47	588.2	565.9	588.25	562.84	586.92	572.68	598.76	579.56	606.65
G20	510.38	531.27	512.91	528.47	505.28	531.98	513.84	538.49	520.0	546.08
G21	457.21	475.71	454.64	475.04	453.67	471.18	455.13	484.09	465.86	490.52
G22	408.04	424.67	405.78	417.31	404.8	419.88	408.88	429.81	414.96	437.3
G23	363.21	379.79	362.68	378.51	359.31	379.04	361.48	382.76	368.0	390.66
G24	322.95	331.55	320.6	334.92	318.29	335.32	319.93	343.03	324.45	346.05
G25	285.88	300.29	284.15	293.55	279.8	295.59	280.69	298.73	284.63	307.43
G26	250.49	263.22	248.85	258.56	239.14	258.16	245.3	261.53	249.29	269.69
G27	217.54	230.45	217.94	226.06	208.5	225.97	214.17	229.43	217.1	237.23
G28	186.5	198.48	189.12	196.75	183.49	196.3	186.02	200.47	188.37	207.7
G29	158.7	174.04	162.6	169.83	159.72	175.68	161.89	177.15	163.05	177.55
G30	134.27	144.56	140.43	146.51	137.02	147.97	144.51	152.49	141.27	158.04
G31	115.96	123.76	121.19	127.26	121.76	128.68	122.25	133.87	122.52	138.17
G32	101.85	107.13	105.22	110.37	103.27	112.45	108.11	118.04	107.4	120.35
G33	90.9	94.05	93.61	100.57	90.77	100.21	96.36	105.36	94.8	106.24
G34	82.88	84.03	83.63	86.73	80.7	85.4	87.18	94.72	85.23	95.11
G35	76.0	76.53	76.4	78.57	76.31	81.32	78.93	85.45	76.22	85.94
G36	70.5	71.3	70.9	72.94	67.0	75.12	73.48	78.53	69.62	79.06

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/28 8:17:05

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity:

Test Distance: 7.061 m

Remarks:

