

Report No.: KUPU-YT100-30D

Test Time: 2025/9/27 16:24:30

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: GZAILITELED
Luminaire Type: KUPU-YT100
Lamp Type:
Luminous Width: 174 mm
Luminous Length: 140 mm
Luminous Height: 0.7 mm

Voltage(V): 220.70 V
Current(A): 0.1320 A
Power(W): 16.20 W
Power Factor: 0.5550
Lamp Luminous Flux: 1278.78

Photometric Results

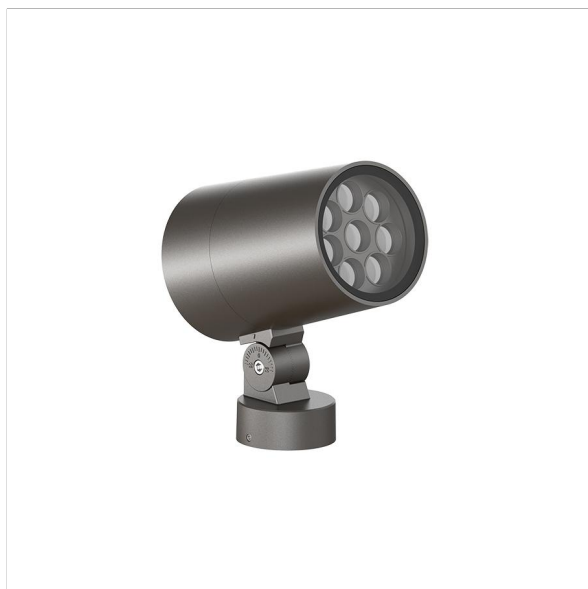
CIE Class: Direct
Luminaire Luminous Flux: 1278.784 lm
Downward Ratio: 0.08%
Luminaire Efficacy Rating(LER): 78.94 lm/W
Beam Angle(50%) C0-180,C90-270: 32.6,32.4
Field Angle(10%) C0-180,C90-270: 60.9,60.8
S/MH C0-180,C90-270: 0.536,0.536

Max. Intensity: 2859.54 cd
Max.Intensity Angle: C=180 Gamma=1
Upward Ratio: 99.92%
Efficacy: 100.00%
Center Intensity: 2852.83 cd
Effective Luminous Flux: 870.85 lm
ERP(ϕ use)(120deg): 1081.27 lm

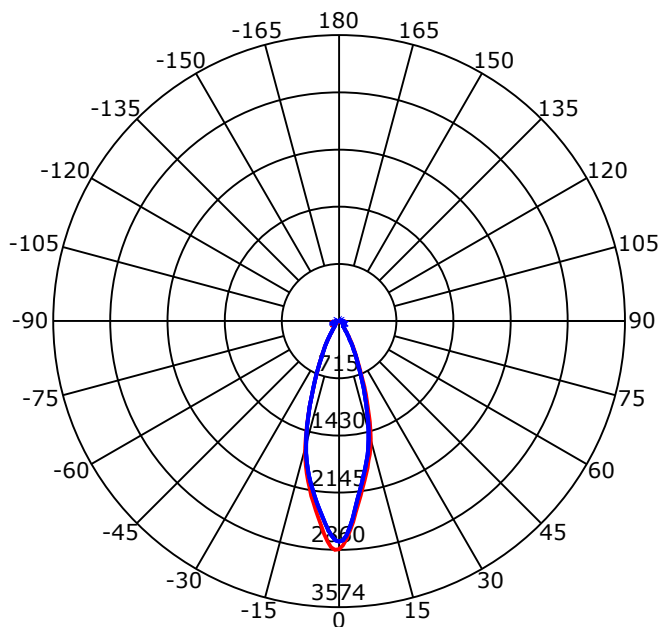
CIE Color Parameter

Chromaticity coordinates:x= y= u= v= $u^*=v^*=0.0000$
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



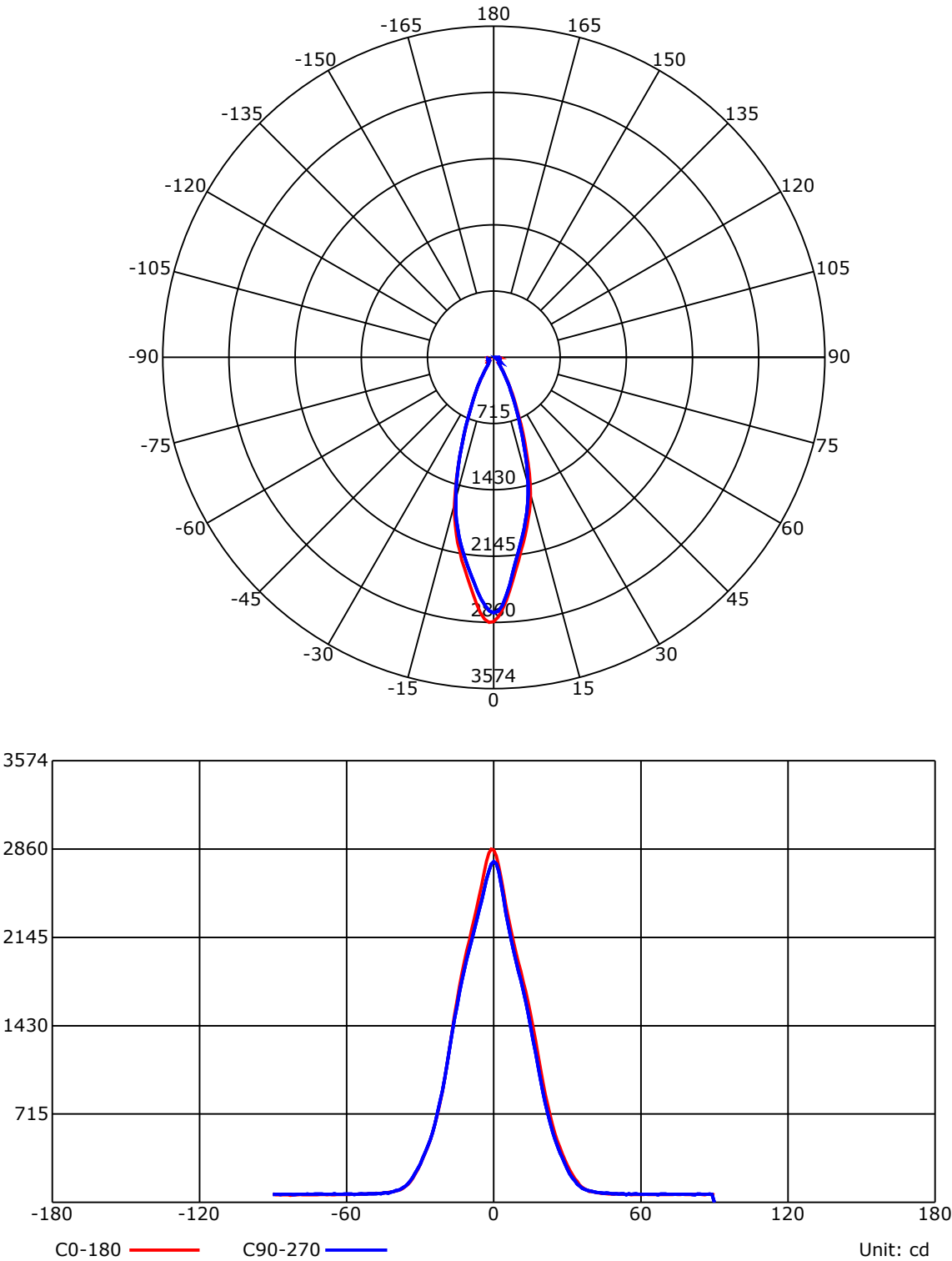
Beam Angle(50%) C0-180,C90-270: 32.6 deg,32.4 deg

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 16:24:30

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

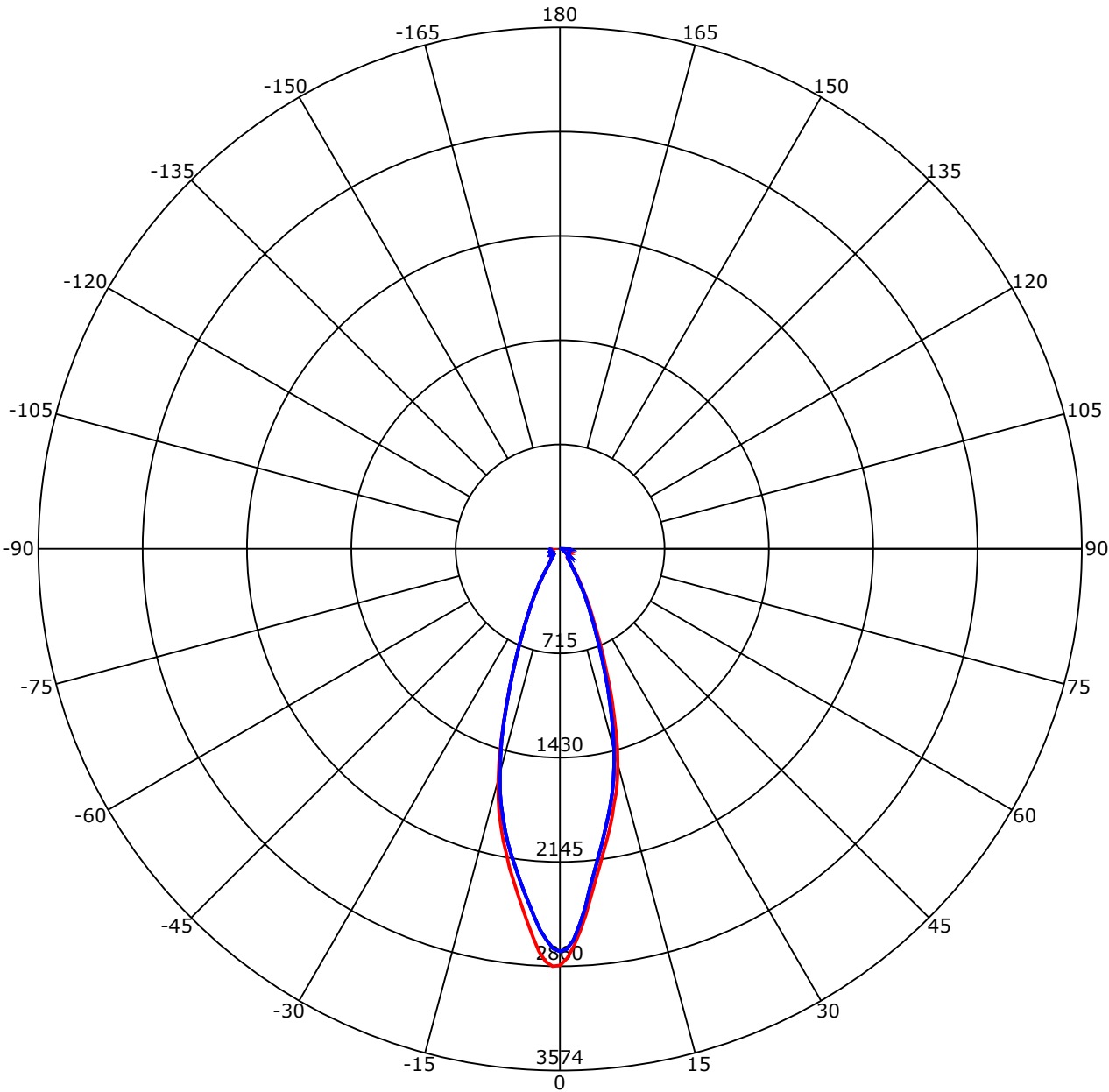
Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/27 16:24:30

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



C0-180 — C90-270
Unit: cd/klm

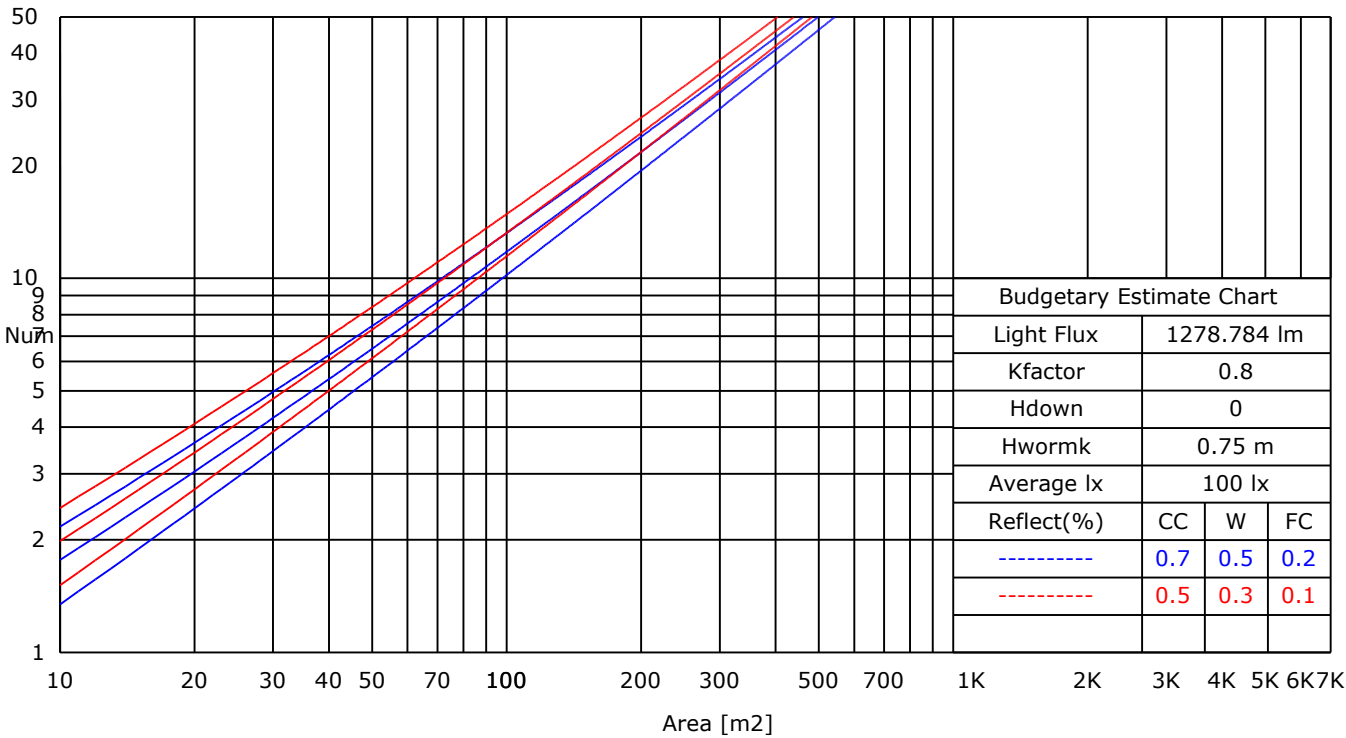
C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/27 16:24:30

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 1
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	1.13	1.13	1.13	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.06	1.05	1.05	1.05	1.04	1.03	1.01	0.99	0.98	0.96	0.94	0.93	0.89	0.88	0.86	0.81
2	0.97	0.96	0.94	0.96	0.94	0.93	0.93	0.90	0.89	0.88	0.86	0.84	0.83	0.81	0.78	0.74
3	0.90	0.88	0.87	0.89	0.87	0.85	0.86	0.83	0.81	0.83	0.80	0.77	0.78	0.75	0.72	0.68
4	0.84	0.82	0.81	0.83	0.81	0.79	0.81	0.78	0.76	0.78	0.74	0.72	0.74	0.71	0.67	0.63
5	0.79	0.77	0.76	0.78	0.76	0.74	0.76	0.73	0.71	0.74	0.70	0.67	0.71	0.67	0.63	0.60
6	0.75	0.73	0.72	0.74	0.72	0.70	0.72	0.69	0.67	0.70	0.66	0.64	0.68	0.63	0.60	0.56
7	0.71	0.69	0.68	0.70	0.68	0.67	0.69	0.66	0.64	0.67	0.63	0.60	0.65	0.60	0.57	0.54
8	0.67	0.66	0.65	0.67	0.65	0.64	0.66	0.63	0.61	0.64	0.60	0.57	0.62	0.58	0.54	0.51
9	0.64	0.63	0.62	0.64	0.62	0.61	0.63	0.60	0.58	0.61	0.58	0.55	0.60	0.55	0.52	0.49
10	0.62	0.60	0.60	0.61	0.59	0.58	0.60	0.57	0.55	0.59	0.55	0.53	0.57	0.53	0.50	0.47

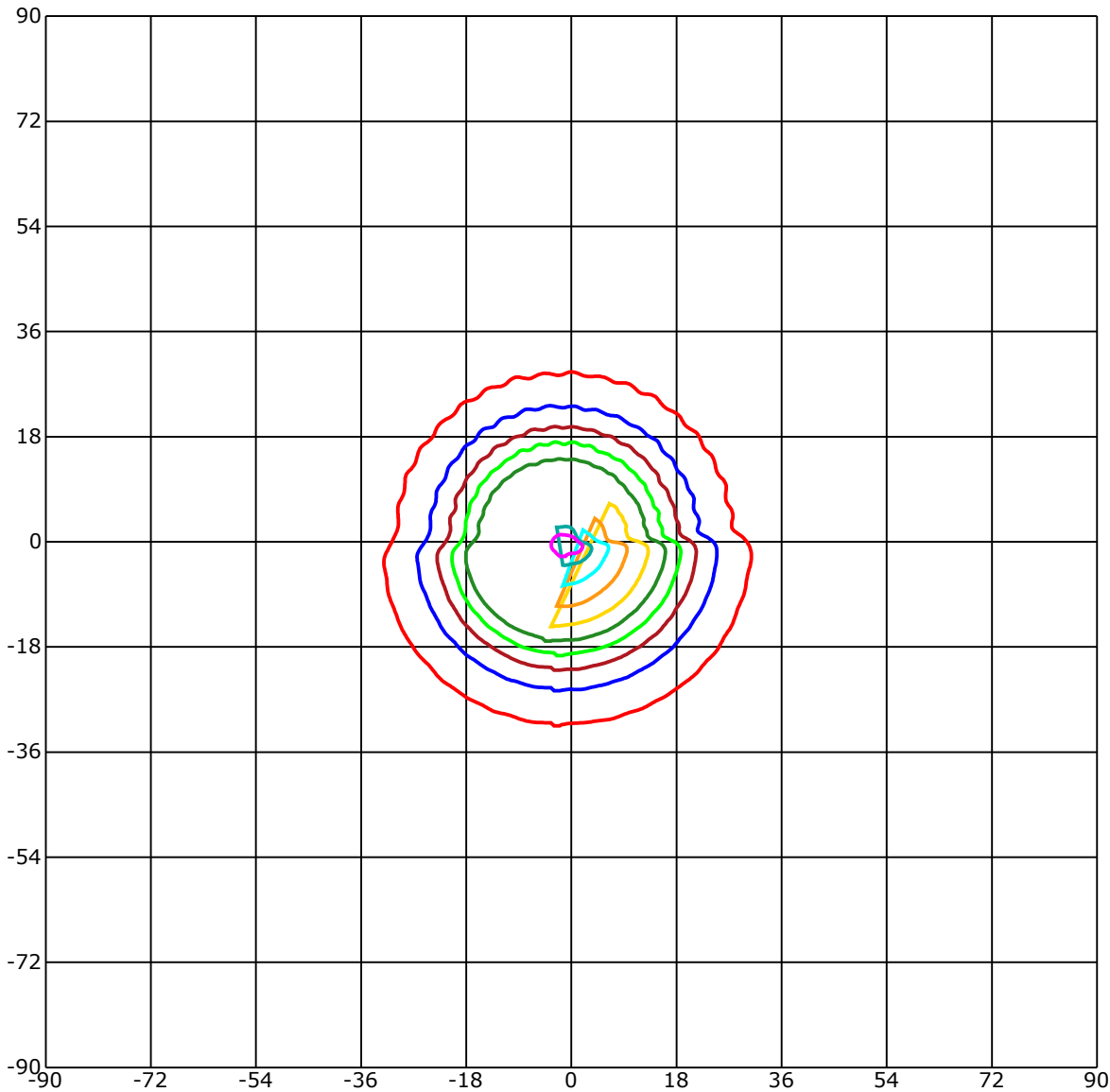
LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/27 16:24:30

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 (RECTANGULAR)



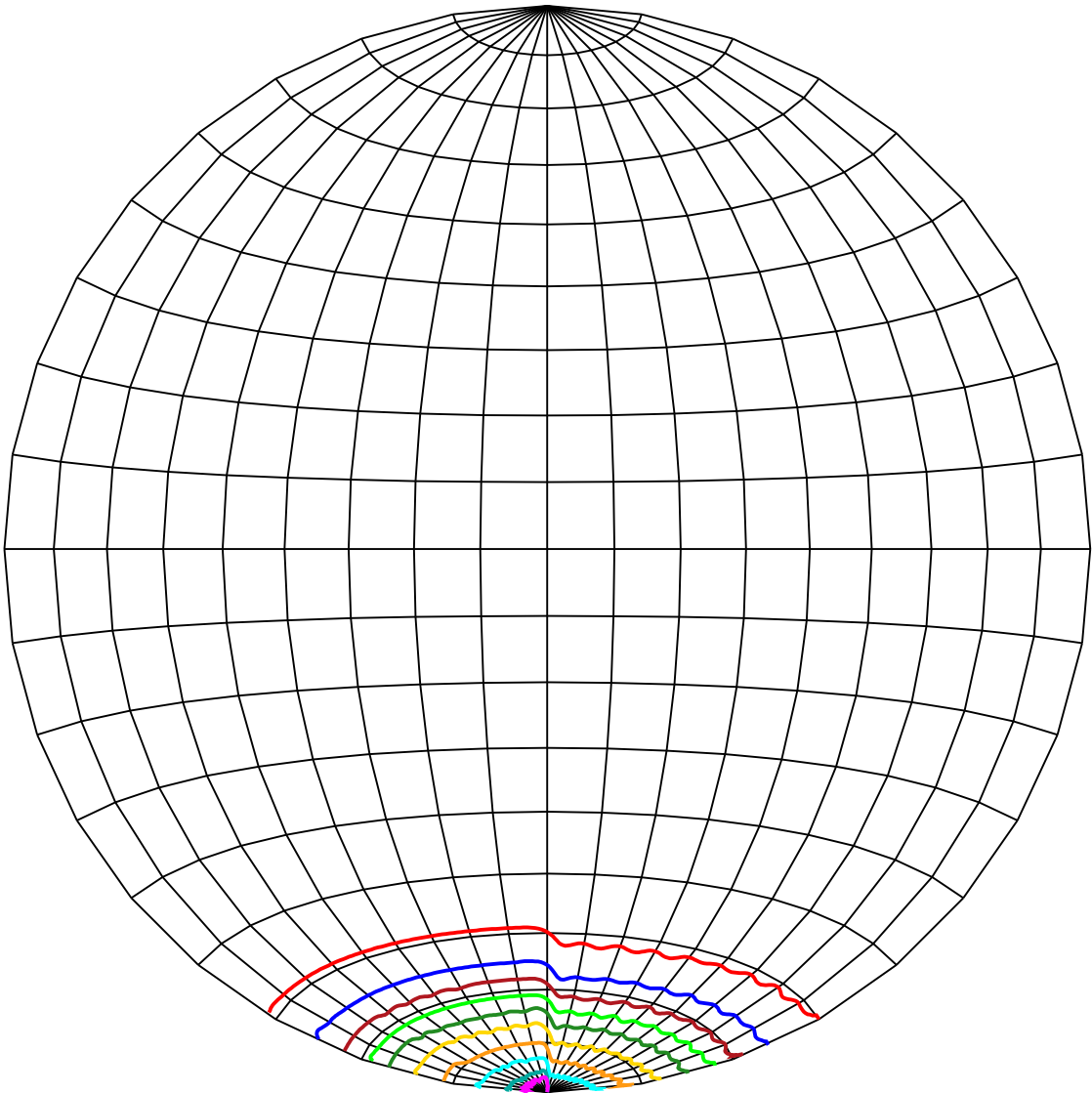
Unit of intensity:cd Imax(100%): 2859.538 cd

- | | |
|-------------------|-------------------|
| 2716.561(95%Imax) | 1429.769(50%Imax) |
| 2573.584(90%Imax) | 1143.815(40%Imax) |
| 2287.631(80%Imax) | 857.862(30%Imax) |
| 2001.677(70%Imax) | 571.908(20%Imax) |
| 1715.723(60%Imax) | 285.954(10%Imax) |

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/27 16:24:30

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)



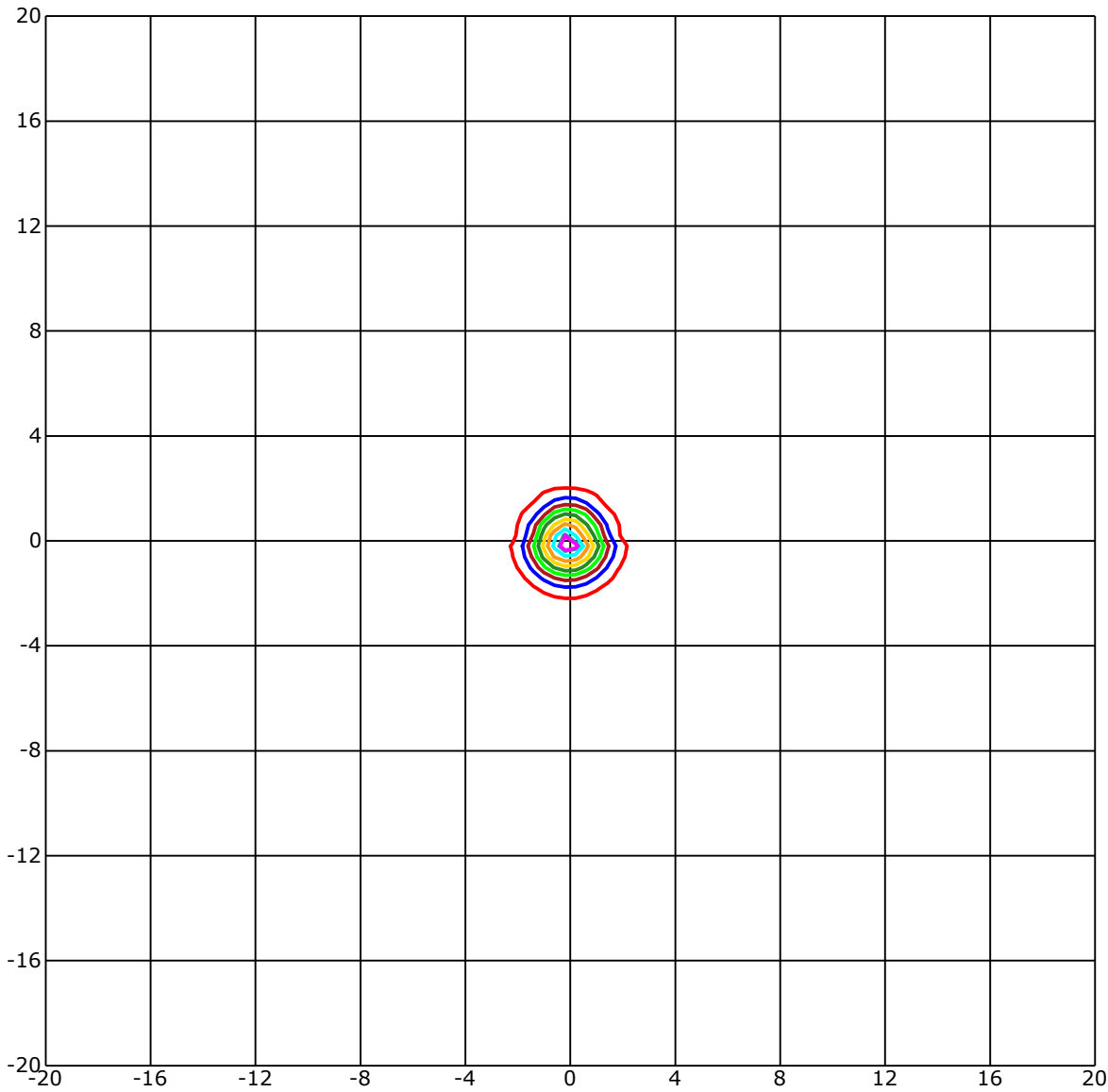
Unit of intensity:cd I_{max}(100%): 2859.538 cd

2716.561(95%I _{max})	1429.769(50%I _{max})
2573.584(90%I _{max})	1143.815(40%I _{max})
2287.631(80%I _{max})	857.862(30%I _{max})
2001.677(70%I _{max})	571.908(20%I _{max})
1715.723(60%I _{max})	285.954(10%I _{max})

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/27 16:24:30

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

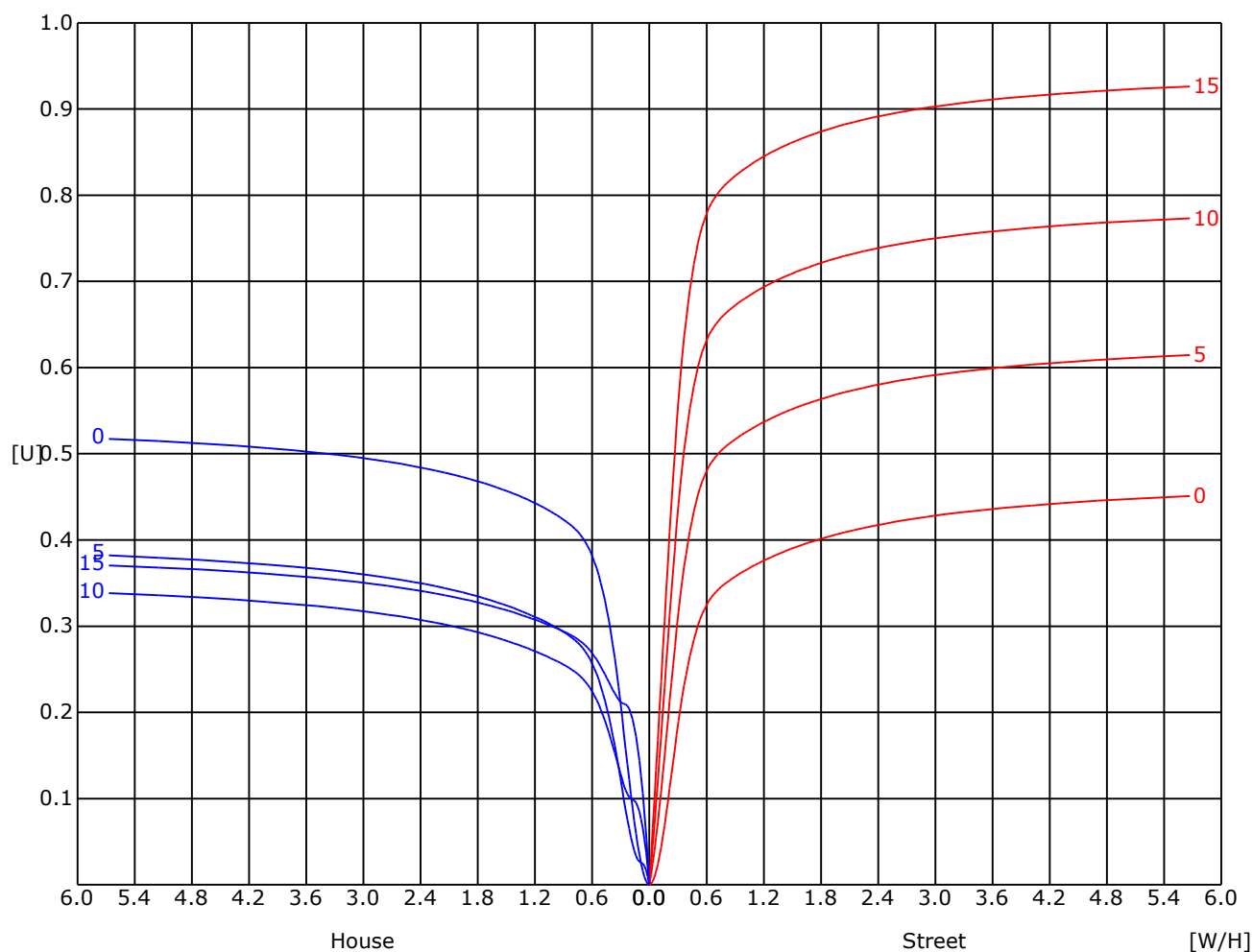
ISOLX DIAGRAM



C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/27 16:24:30

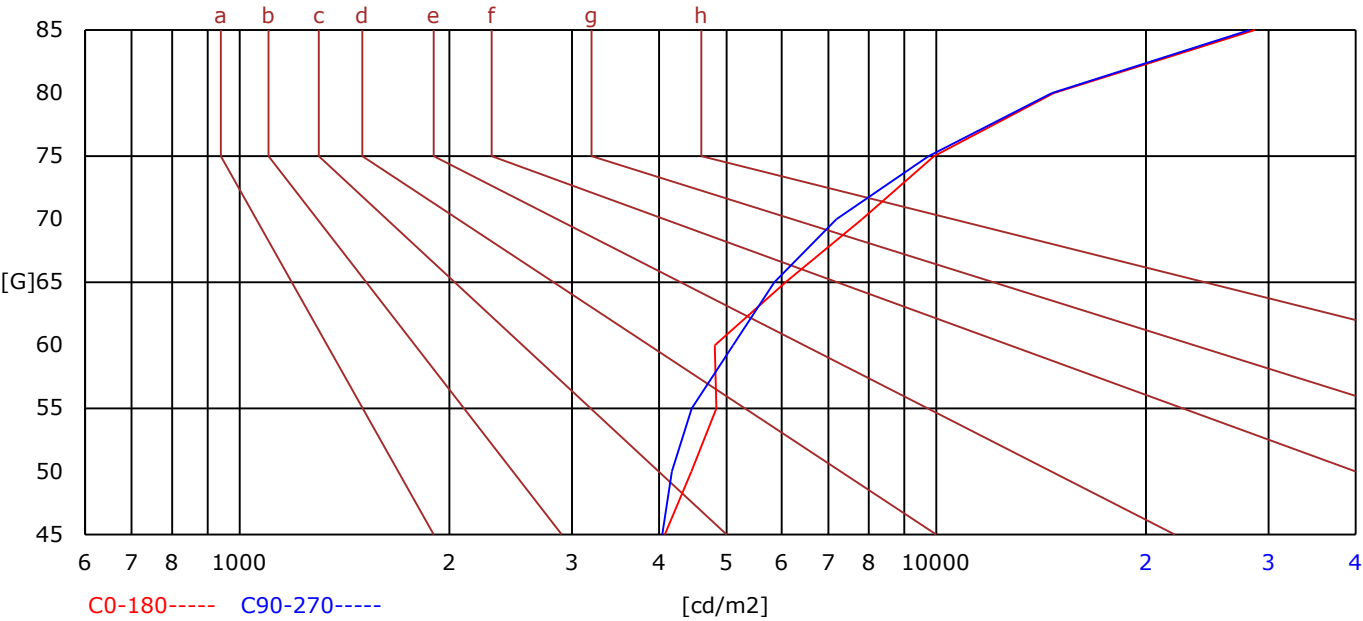
G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 1
Test Distance: 7.061 m
Remarks:

UTILIZATION FACTOR DIAGRAM (ROAD)

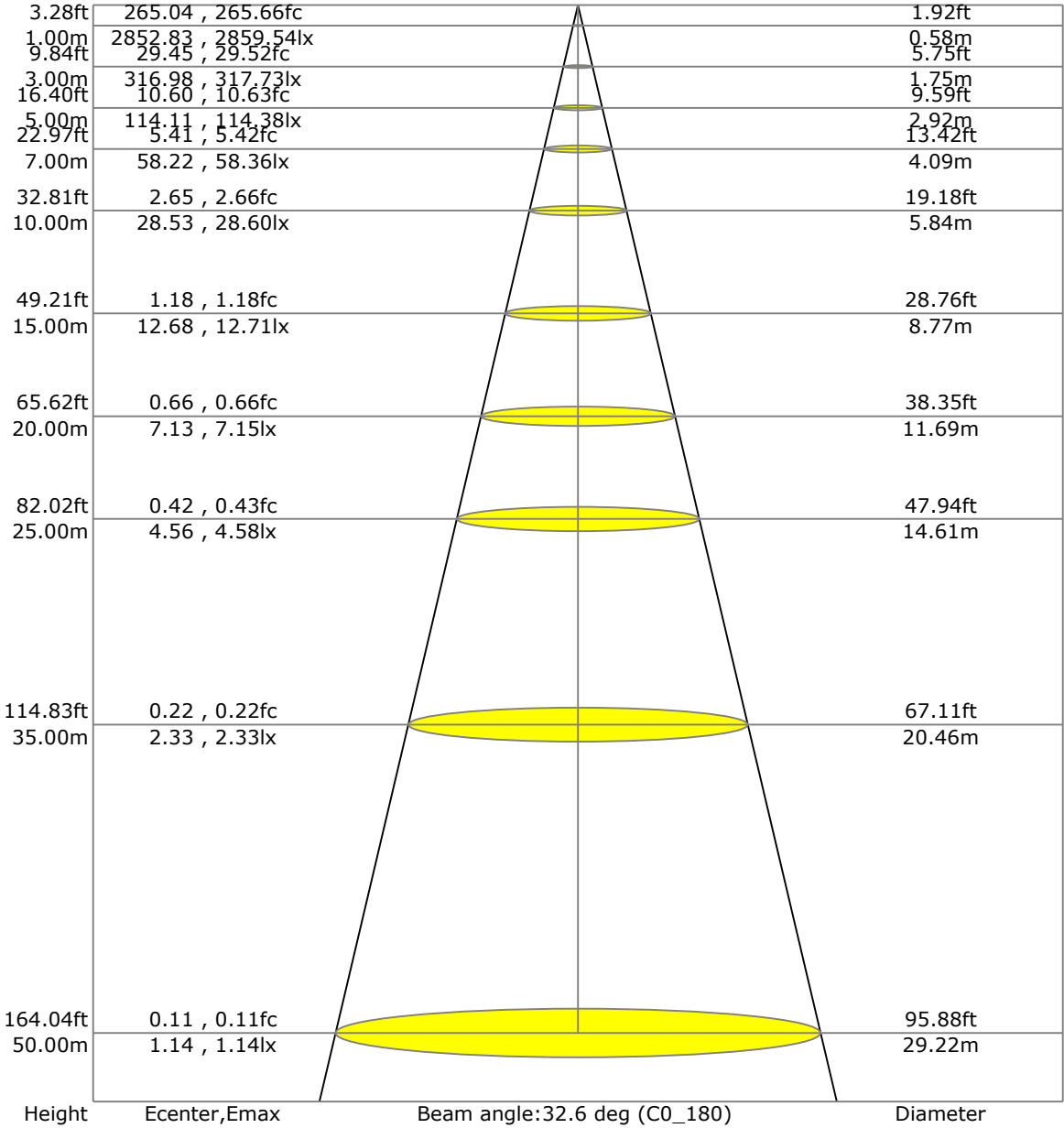


BRIGHT LIMIT DIAGRAM

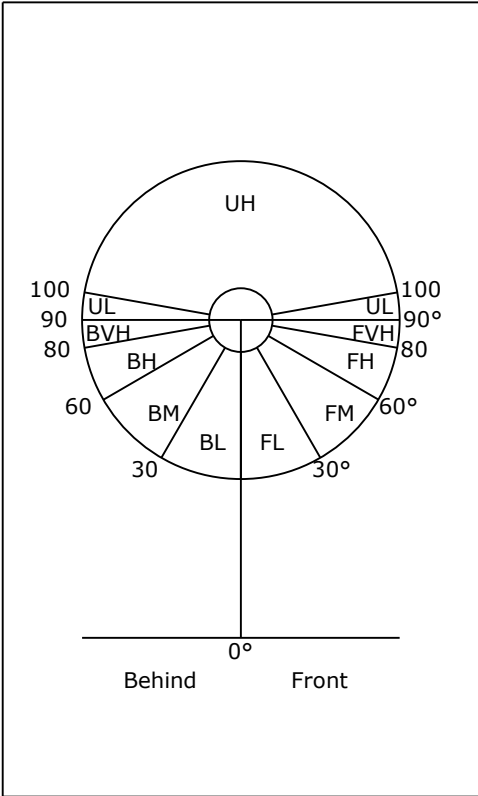
C/G	45	50	55	60	65	70	75	80	85
C0	4078	4453	4835	4810	6073	7820	9923	14747	28663
C90	4043	4173	4458	5106	5853	7187	9755	14659	28183
Dazzle	Quality	Illuminance	---	---	---	---	---	---	---
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
---	---	a	b	c	d	e	f	g	h



LX-DISTANCE DIAGRAM



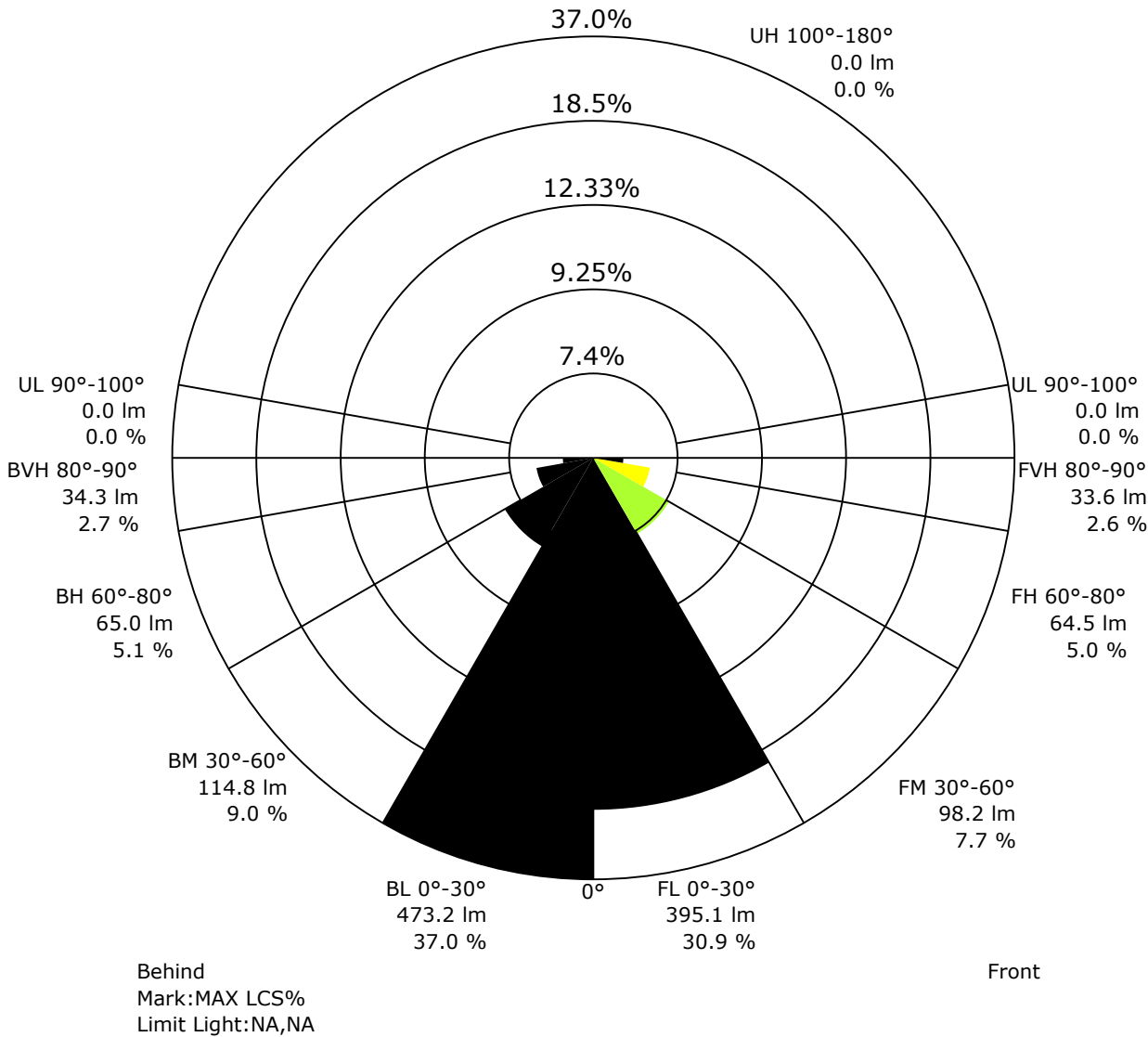
BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	591.4	46.2
FL (0°-30°)	395.1	30.9
FM (30°-60°)	98.2	7.7
FH (60°-80°)	64.5	5.0
FVH (80°-90°)	33.6	2.6
Behind	687.4	53.8
BL (0°-30°)	473.2	37.0
BM (30°-60°)	114.8	9.0
BH (60°-80°)	65.0	5.1
BVH (80°-90°)	34.3	2.7
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)	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	14.62	14.94	14.81	15.31	15.75	14.65	14.96	14.83	15.33	15.77
3H	14.85	15.15	15.05	15.52	15.98	14.89	15.20	15.10	15.57	16.03
4H	14.92	15.22	15.13	15.59	16.06	14.96	15.26	15.18	15.64	16.10
6H	14.92	15.21	15.15	15.58	16.06	14.95	15.24	15.18	15.62	16.09
8H	14.85	15.14	15.09	15.52	16.00	14.89	15.17	15.12	15.55	16.03
12H	14.79	15.07	15.03	15.45	15.94	14.82	15.10	15.07	15.48	15.97
4H 2H	19.50	19.80	19.72	20.17	20.64	19.55	19.85	19.77	20.22	20.69
3H	20.02	20.30	20.26	20.68	21.17	20.03	20.31	20.28	20.69	21.18
4H	20.22	20.49	20.49	20.87	21.38	20.24	20.51	20.50	20.89	21.40
6H	20.35	20.59	20.63	20.98	21.51	20.38	20.63	20.67	21.02	21.54
8H	20.38	20.61	20.68	21.01	21.54	20.41	20.65	20.71	21.04	21.57
12H	20.36	20.58	20.67	20.98	21.52	20.39	20.61	20.70	21.01	21.55
8H 4H	22.45	22.74	22.69	23.12	23.60	22.51	22.80	22.75	23.18	23.66
6H	24.05	24.26	24.38	24.66	25.21	24.04	24.24	24.36	24.64	25.20
8H	24.21	24.40	24.55	24.81	25.38	24.21	24.39	24.55	24.80	25.37
12H	24.32	24.49	24.68	24.90	25.48	24.33	24.50	24.69	24.91	25.50
12H 4H	24.97	25.19	25.28	25.59	26.13	25.03	25.25	25.34	25.65	26.19
6H	25.54	25.73	25.88	26.13	26.70	25.56	25.74	25.90	26.15	26.72

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 1
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	1947.8	1612.3	1723.5	1616.2	1729.9	1623.2	1737.8	1631.7	10	214.3	214.3	16.8	16.8
20	979.1	639.9	759.3	646.8	760.1	651.7	774.0	664.4	20	403.7	618.0	48.3	48.3
30	301.8	176.5	223.9	176.1	229.2	180.8	230.6	182.9	30	250.2	868.2	67.9	67.9
40	88.2	77.5	84.1	76.6	82.5	76.8	82.5	74.6	40	96.3	964.6	75.4	75.4
50	68.8	69.7	69.2	65.3	68.8	64.3	67.7	64.7	50	57.9	1022.5	80.0	80.0
60	62.5	58.6	65.2	62.8	63.7	60.6	65.2	61.5	60	58.8	1081.3	84.6	84.6
70	63.9	65.2	65.1	62.1	61.4	60.1	67.2	62.1	70	62.9	1144.2	89.5	89.5
80	63.4	62.4	62.4	62.8	60.8	61.7	65.7	64.8	80	66.7	1210.8	94.7	94.7
90	60.9	61.8	0.0	61.0	0.0	59.8	0.0	61.7	90	68.0	1278.8	100.0	100.0

Conical surface Flux(90deg) : 994.0 lm

%lum = 77.7%

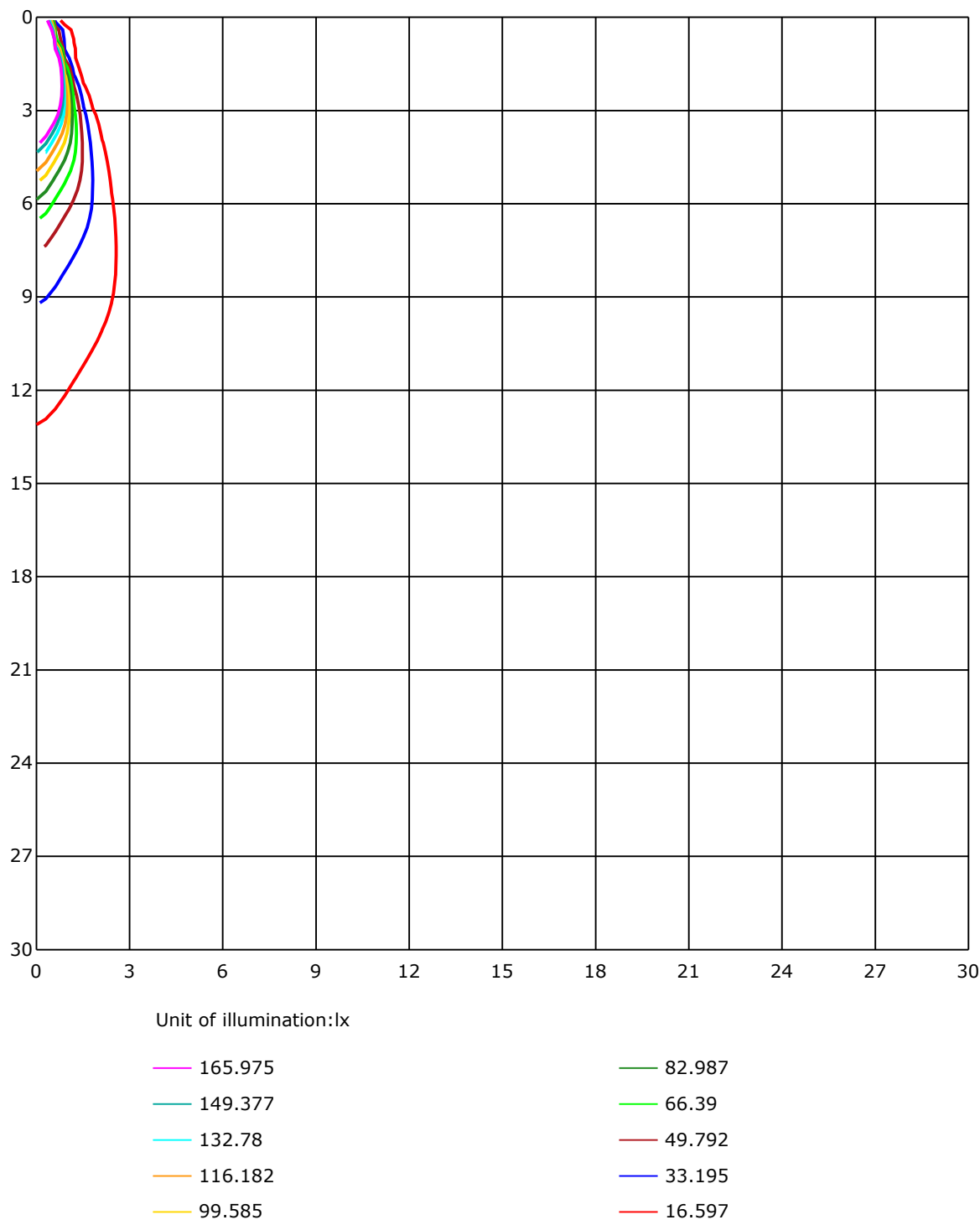
%lamp = 77.7%

Conical surface Flux(120deg) : 1081.3 lm

%lum = 84.6%

%lamp = 84.6%

SPACE ISOLX DIAGRAM



LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C5	C10	C15	C20	C25	C30	C35	C40	C45
G0	2852.83	2551.2	2692.38	2560.45	2688.86	2575.43	2705.14	2588.79	2710.04	2608.22
G1	2803.22	2434.9	2597.02	2443.22	2608.03	2456.08	2625.37	2470.55	2639.94	2492.43
G2	2721.09	2312.73	2481.51	2319.16	2495.8	2330.49	2503.43	2345.33	2527.01	2365.91
G3	2623.57	2200.41	2359.44	2205.77	2367.16	2212.94	2384.08	2224.87	2400.54	2242.63
G4	2516.06	2100.67	2243.83	2104.23	2251.92	2107.37	2261.59	2119.58	2278.79	2134.84
G5	2401.61	2011.37	2143.9	2006.98	2145.71	2014.19	2156.94	2019.37	2166.28	2042.03
G6	2295.62	1925.78	2044.81	1925.64	2049.52	1930.91	2054.56	1937.94	2068.99	1953.02
G7	2202.31	1845.88	1956.86	1847.22	1960.37	1846.94	1963.56	1859.61	1977.66	1871.45
G8	2110.89	1768.0	1875.15	1770.82	1878.57	1773.6	1882.41	1785.48	1894.52	1796.54
G9	2027.19	1692.45	1798.25	1696.14	1802.82	1701.55	1808.6	1712.38	1820.21	1722.41
G10	1947.84	1612.26	1723.47	1616.24	1729.9	1623.22	1737.76	1631.73	1745.76	1641.02
G11	1869.23	1524.5	1646.71	1529.12	1659.15	1541.14	1661.79	1544.7	1669.65	1553.49
G12	1782.99	1428.5	1563.57	1434.23	1569.58	1442.97	1579.29	1450.56	1584.38	1462.86
G13	1709.55	1330.74	1474.6	1334.72	1478.72	1343.88	1489.49	1351.6	1496.94	1365.79
G14	1621.83	1220.46	1369.59	1227.39	1379.67	1231.42	1391.5	1246.86	1399.27	1262.77
G15	1527.13	1117.94	1271.14	1120.02	1275.21	1129.55	1286.49	1139.9	1298.61	1159.83
G16	1424.43	1005.16	1162.24	1013.94	1167.7	1023.56	1174.54	1038.77	1194.75	1053.89
G17	1313.31	903.89	1054.63	911.75	1061.43	921.46	1070.68	932.42	1087.23	945.73
G18	1198.72	812.6	950.5	818.34	958.17	824.86	965.43	834.8	976.95	853.9
G19	1086.59	720.4	851.03	727.75	853.57	734.23	866.89	745.46	883.31	763.36
G20	979.12	639.94	759.29	646.83	760.12	651.73	774.04	664.45	788.61	678.41
G21	878.87	567.76	676.38	576.36	678.41	580.38	691.27	583.99	706.9	603.82
G22	785.32	507.32	601.37	512.03	610.07	515.04	615.48	525.72	626.44	533.44
G23	700.38	452.38	535.66	456.13	543.11	458.3	547.92	468.06	564.8	477.08
G24	623.34	403.87	479.34	406.65	483.32	408.22	488.91	416.36	496.87	423.76
G25	554.67	358.93	428.34	362.4	431.94	363.18	434.44	369.42	443.37	376.41
G26	494.74	309.82	382.88	321.01	384.78	321.15	384.73	327.9	393.98	332.8
G27	440.45	278.28	341.49	279.95	343.34	281.2	346.4	284.94	350.05	291.41
G28	390.46	240.83	300.29	247.07	301.77	244.85	305.24	247.95	308.48	254.42
G29	344.55	206.84	261.96	206.47	262.33	210.54	266.95	213.27	270.01	219.46
G30	301.82	176.5	223.9	176.09	229.17	180.8	230.61	182.93	234.08	189.22
G31	262.93	152.14	191.21	151.4	193.38	154.96	198.24	156.99	203.93	163.83
G32	225.8	136.6	163.7	132.16	163.05	134.52	169.11	135.63	167.26	143.35
G33	193.01	121.52	142.01	117.73	145.94	118.56	145.85	119.49	149.87	127.12
G34	170.82	105.52	124.99	106.49	128.46	105.48	127.03	107.05	130.31	114.12
G35	141.68	97.06	112.64	98.73	107.56	92.67	112.51	97.99	114.63	104.46
G36	123.97	90.45	102.93	93.13	105.29	89.94	102.15	91.56	103.44	96.6

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/27 16:24:30

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	110.47	85.82	95.91	88.14	97.11	82.82	94.8	85.87	95.35	90.49
G38	100.76	82.17	90.63	83.93	90.54	79.17	89.02	75.37	92.85	86.24
G39	86.7	79.72	86.47	80.0	86.29	75.98	84.95	77.87	84.39	84.81
G40	88.18	77.55	84.07	76.58	82.5	76.76	82.54	74.63	80.69	82.73
G41	83.14	75.88	81.76	74.22	79.26	71.17	80.14	72.14	77.87	80.32
G42	79.17	74.87	79.35	72.37	76.85	69.41	77.82	70.29	75.88	74.96
G43	76.58	73.48	76.95	71.17	74.91	67.88	74.87	68.76	74.4	76.62
G44	72.83	65.25	74.82	69.87	73.29	69.82	72.69	67.42	73.34	72.0
G45	70.89	70.24	73.11	68.95	72.09	66.36	73.99	66.5	64.92	71.07
G46	69.36	69.22	71.91	68.3	71.35	65.76	70.06	65.8	71.17	70.29
G47	68.07	68.39	71.26	67.51	71.35	66.22	69.41	64.92	69.5	69.59
G48	67.19	67.51	70.47	66.91	70.75	65.76	68.76	64.65	69.73	69.5
G49	66.4	67.0	69.69	66.82	70.06	65.06	71.49	64.6	70.33	69.64
G50	68.81	69.73	69.22	65.29	68.76	64.28	67.65	64.74	69.55	69.64
G51	67.24	69.04	68.53	67.19	68.99	62.93	67.19	64.92	66.36	68.9
G52	65.48	65.52	68.02	66.77	66.22	63.49	67.1	64.46	65.94	68.35
G53	65.57	68.48	67.98	65.89	65.57	61.73	67.1	58.54	65.25	64.65
G54	65.57	64.78	67.98	64.92	65.06	61.41	67.19	62.84	65.43	67.74
G55	64.92	67.56	68.53	65.11	67.56	61.22	68.02	62.29	68.16	69.09
G56	60.16	64.32	68.02	63.54	64.18	61.04	67.74	61.96	64.78	69.13
G57	63.58	64.23	67.42	63.4	63.77	60.9	67.14	61.83	65.76	65.29
G58	62.84	65.52	66.22	66.36	63.54	60.76	66.13	61.83	66.13	65.48
G59	62.61	65.25	65.43	65.99	63.44	60.62	65.71	64.69	66.31	65.29
G60	62.52	58.59	65.15	62.8	63.67	60.58	65.25	61.5	66.4	65.06
G61	62.43	65.11	64.92	62.66	63.91	62.2	65.66	61.41	65.52	64.88
G62	65.39	64.37	67.74	62.43	64.23	61.83	65.57	61.59	65.02	65.02
G63	62.38	63.77	64.46	62.56	63.95	62.06	65.2	61.96	67.42	65.25
G64	62.29	63.3	67.33	62.98	63.4	54.43	65.62	61.32	64.46	65.71
G65	62.52	62.52	64.04	61.5	62.29	61.96	65.76	63.12	64.37	66.73
G66	63.03	62.47	64.04	56.83	61.87	61.09	65.62	55.77	64.55	66.73
G67	63.63	62.47	64.09	56.09	61.83	60.53	66.45	63.35	64.55	59.51
G68	64.18	62.24	64.37	63.58	61.18	60.39	66.91	62.93	67.7	66.03
G69	64.18	65.25	59.0	62.56	61.46	60.3	59.56	62.15	64.65	64.97
G70	63.86	65.15	65.11	62.06	61.41	60.11	67.24	62.06	66.54	67.1
G71	63.35	62.1	64.78	64.37	60.85	60.3	66.73	65.06	65.2	64.65
G72	62.98	61.87	61.92	61.78	61.22	60.35	66.13	62.15	66.22	64.65
G73	62.7	62.24	63.12	61.78	61.36	59.88	68.76	62.29	66.54	64.69

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/27 16:24:30

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

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	2714.39	2629.58	2722.2	2658.2	2735.7	2684.14	2746.71	2705.97	2757.34	2739.54
G1	2652.33	2519.15	2668.98	2548.66	2692.74	2584.4	2719.01	2621.53	2741.21	2660.61
G2	2551.57	2390.37	2579.92	2425.28	2611.87	2464.87	2641.97	2508.75	2679.1	2554.07
G3	2423.29	2269.26	2455.53	2300.57	2491.13	2341.35	2532.06	2388.38	2573.12	2435.09
G4	2298.03	2155.6	2328.78	2185.66	2366.88	2225.24	2412.43	2268.52	2463.66	2316.29
G5	2187.6	2062.38	2213.54	2091.6	2248.69	2123.0	2291.92	2167.99	2336.04	2211.69
G6	2087.67	1970.82	2114.96	2000.88	2143.76	2036.16	2185.84	2077.59	2227.88	2117.64
G7	1996.25	1892.72	2019.84	1916.02	2054.15	1950.61	2091.7	1988.53	2131.46	2030.29
G8	1911.49	1814.94	1932.76	1836.63	1965.59	1868.95	2002.45	1904.19	2043.65	1944.18
G9	1834.59	1739.57	1853.92	1760.33	1882.36	1789.92	1916.99	1818.87	1958.29	1863.22
G10	1760.56	1661.65	1778.92	1682.69	1804.26	1709.6	1836.81	1736.19	1877.13	1779.01
G11	1684.54	1575.96	1709.79	1598.3	1728.42	1628.08	1757.65	1661.09	1795.66	1692.72
G12	1599.82	1483.11	1626.87	1506.55	1647.08	1538.14	1676.77	1569.3	1712.93	1600.24
G13	1514.69	1388.73	1534.16	1409.54	1558.99	1437.98	1589.97	1472.2	1625.21	1501.19
G14	1416.43	1285.66	1438.58	1304.52	1464.24	1332.64	1495.59	1367.23	1529.58	1403.94
G15	1316.41	1181.29	1338.7	1205.01	1362.42	1226.33	1394.65	1261.8	1425.91	1291.35
G16	1212.23	1073.64	1233.5	1095.51	1257.64	1120.25	1282.93	1155.49	1319.74	1183.97
G17	1109.2	971.72	1129.36	993.09	1146.75	1017.87	1181.52	1047.61	1212.78	1077.25
G18	1004.65	875.96	1024.85	892.93	1046.87	917.43	1076.18	944.72	1105.27	972.74
G19	903.98	778.52	923.35	800.44	945.97	818.2	968.44	854.18	1000.02	872.12
G20	807.93	692.56	827.31	714.85	842.85	728.4	876.6	754.66	898.29	778.89
G21	721.05	615.94	740.38	637.12	761.42	656.22	785.83	677.35	803.73	693.86
G22	641.09	552.13	658.25	565.81	679.84	575.66	698.16	596.84	716.24	616.73
G23	575.94	490.21	585.74	502.83	606.23	516.94	621.03	531.69	639.2	549.26
G24	513.84	433.47	522.02	447.11	538.44	460.57	553.14	473.84	569.97	487.8
G25	451.87	386.35	465.88	398.37	480.03	412.43	493.35	422.23	508.8	433.65
G26	402.76	343.53	414.74	354.4	428.43	362.44	439.99	375.53	453.63	384.87
G27	358.84	301.4	370.07	313.06	389.17	325.03	391.57	322.3	398.93	337.93
G28	315.37	262.7	327.71	271.53	338.44	277.17	346.81	288.69	356.29	294.51
G29	276.43	226.35	286.56	233.24	303.25	237.82	304.78	248.32	311.9	257.7
G30	239.39	192.74	247.76	197.91	255.35	201.71	264.36	211.97	268.9	216.83
G31	206.47	164.25	212.06	169.71	218.21	172.76	226.63	181.22	230.56	186.4
G32	177.38	140.2	180.57	147.65	188.3	149.08	194.86	155.97	197.54	156.81
G33	146.45	122.77	149.31	129.94	158.98	130.08	167.58	135.4	175.26	140.39
G34	131.37	109.04	133.45	109.08	138.63	115.65	143.95	119.35	146.82	123.51
G35	116.02	103.07	118.79	105.66	124.11	104.78	126.47	107.56	132.94	110.47
G36	103.54	91.65	105.66	97.15	112.27	95.72	116.71	98.45	116.02	100.48

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/27 16:24:30

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	2769.88	2761.14	2782.59	2783.33	2794.38	2806.31	2796.93	2822.04	2815.42	2838.36
G1	2762.89	2692.19	2785.97	2729.97	2799.84	2762.48	2820.33	2781.67	2831.66	2792.35
G2	2706.8	2599.57	2741.67	2636.19	2770.71	2673.05	2798.27	2701.76	2809.37	2714.62
G3	2610.57	2479.76	2663.66	2526.04	2692.19	2558.88	2721.0	2584.68	2745.69	2607.8
G4	2504.96	2358.6	2545.1	2399.94	2583.75	2440.54	2614.41	2469.72	2638.6	2492.1
G5	2383.94	2250.07	2423.25	2295.71	2466.58	2332.38	2497.42	2365.22	2522.95	2388.75
G6	2269.91	2153.2	2312.22	2194.95	2352.36	2233.89	2391.11	2269.17	2416.87	2291.97
G7	2171.88	2071.4	2210.21	2105.98	2252.52	2142.79	2289.15	2175.21	2316.75	2200.5
G8	2082.49	1986.63	2120.92	2020.25	2160.04	2054.93	2195.65	2092.2	2219.88	2112.6
G9	1995.51	1896.79	2035.33	1935.77	2074.22	1972.07	2109.13	2006.56	2137.57	2027.14
G10	1913.53	1817.9	1943.4	1849.81	1989.09	1885.32	2025.25	1920.0	2052.02	1942.89
G11	1830.71	1727.45	1860.72	1762.73	1903.12	1796.54	1939.88	1830.2	1965.27	1852.21
G12	1744.33	1634.09	1781.6	1667.61	1818.73	1702.02	1852.9	1733.42	1878.48	1757.41
G13	1656.24	1534.99	1690.55	1567.08	1724.07	1602.09	1759.26	1631.59	1785.16	1655.82
G14	1559.82	1429.38	1591.27	1459.99	1625.72	1494.07	1659.24	1522.41	1684.35	1539.11
G15	1456.71	1314.88	1487.5	1350.35	1519.83	1383.46	1552.29	1413.1	1583.64	1431.6
G16	1350.12	1209.96	1385.49	1237.98	1410.23	1269.01	1440.57	1290.84	1465.08	1313.73
G17	1242.01	1103.0	1267.48	1126.68	1298.47	1155.3	1325.33	1173.01	1349.66	1192.76
G18	1133.24	995.35	1156.92	1018.29	1185.64	1042.66	1208.11	1057.78	1229.57	1075.12
G19	1026.29	894.5	1046.82	913.23	1075.44	935.47	1093.94	948.65	1115.86	963.26
G20	924.28	795.4	945.04	816.4	967.42	835.12	982.96	846.78	999.56	858.25
G21	828.14	713.28	846.82	730.2	867.45	746.34	881.32	755.17	895.65	763.45
G22	738.48	633.79	757.07	649.05	774.64	661.58	786.8	665.46	798.45	676.52
G23	662.5	564.29	675.87	579.13	691.73	594.76	702.09	598.14	711.1	602.07
G24	586.07	501.44	603.13	507.32	615.57	524.15	626.11	531.5	625.97	535.29
G25	522.67	446.46	538.48	459.55	549.35	466.86	559.06	472.22	564.89	476.2
G26	465.79	397.26	479.76	408.64	489.1	415.57	497.65	419.55	502.83	423.76
G27	415.71	349.77	428.34	361.79	436.38	367.53	443.27	369.61	447.53	374.79
G28	371.41	305.89	379.41	316.43	387.27	323.74	392.18	322.95	395.6	328.78
G29	323.18	263.72	333.12	272.32	341.22	281.24	345.24	278.42	347.37	284.71
G30	278.79	225.24	293.59	230.28	300.89	240.6	299.97	243.83	301.82	244.25
G31	239.76	192.74	245.27	194.45	253.73	196.11	257.8	202.68	259.51	207.86
G32	198.19	165.13	207.9	163.79	214.93	174.47	219.97	172.71	221.41	176.64
G33	177.34	144.0	180.48	140.2	182.52	149.92	187.79	148.02	188.62	150.75
G34	145.62	126.42	153.2	127.12	155.79	130.82	161.11	128.69	162.03	134.89
G35	133.92	113.66	130.12	109.92	136.14	116.11	142.24	112.0	141.13	114.96
G36	117.92	97.06	113.57	100.76	120.92	105.2	121.8	103.49	123.0	106.86

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/27 16:24:30

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	2835.4	2846.96	2826.43	2854.13	2850.29	2857.78	2852.83	2551.2	2692.38	2560.45
G1	2842.94	2808.21	2851.12	2812.51	2858.98	2812.93	2859.54	2664.63	2742.5	2664.31
G2	2822.78	2725.76	2830.27	2726.92	2829.07	2726.64	2827.91	2730.8	2755.4	2731.96
G3	2754.66	2622.74	2760.67	2631.61	2764.0	2626.9	2760.54	2755.22	2735.61	2755.77
G4	2654.87	2510.32	2663.1	2518.78	2663.52	2531.55	2667.08	2736.12	2687.38	2728.67
G5	2541.58	2409.65	2553.37	2422.28	2563.31	2433.42	2567.15	2673.37	2613.21	2661.3
G6	2436.66	2314.53	2458.53	2331.78	2467.41	2350.14	2470.55	2587.13	2530.48	2573.07
G7	2341.63	2223.67	2356.61	2241.84	2376.64	2254.28	2379.92	2492.47	2444.43	2481.7
G8	2248.69	2136.6	2270.93	2154.77	2283.46	2171.37	2292.66	2398.05	2365.26	2394.07
G9	2159.16	2049.66	2180.06	2069.5	2195.05	2081.62	2213.08	2305.19	2278.28	2308.48
G10	2073.66	1961.06	2094.84	1983.35	2108.07	1996.48	2120.09	2227.09	2198.93	2224.5
G11	1988.11	1872.65	2007.44	1893.5	2030.75	1908.21	2038.43	2146.95	2121.34	2144.09
G12	1899.38	1783.08	1913.99	1795.75	1937.29	1808.93	1948.49	2059.1	2040.92	2060.16
G13	1808.28	1676.08	1827.33	1691.47	1849.39	1702.34	1853.88	1981.96	1958.98	1983.81
G14	1708.81	1561.63	1727.5	1573.0	1739.43	1582.85	1750.76	1897.71	1865.85	1899.24
G15	1598.2	1443.06	1608.24	1451.94	1623.82	1459.85	1636.31	1808.0	1781.28	1809.34
G16	1483.94	1326.26	1496.47	1328.71	1502.53	1330.05	1512.8	1707.71	1675.29	1708.07
G17	1367.69	1205.8	1375.46	1206.35	1377.17	1204.83	1381.93	1601.12	1562.92	1597.93
G18	1245.66	1087.19	1254.4	1086.49	1252.92	1081.92	1254.12	1480.61	1445.56	1475.43
G19	1126.77	973.43	1133.06	971.95	1132.74	965.99	1128.39	1365.66	1315.07	1349.75
G20	1012.42	866.94	1016.95	865.18	1009.73	859.72	1007.24	1230.58	1189.38	1221.15
G21	899.77	769.32	908.09	768.91	907.45	770.02	897.37	1110.49	1066.56	1099.53
G22	799.93	685.07	807.1	682.2	807.93	677.12	796.93	989.43	950.27	979.58
G23	718.18	611.13	718.32	607.66	718.36	601.88	708.79	883.12	846.31	873.88
G24	639.38	537.61	644.1	536.59	638.64	536.63	635.87	783.47	751.66	775.7
G25	569.37	485.31	569.05	480.64	567.76	478.23	563.96	699.08	667.41	691.17
G26	506.9	426.63	506.85	429.72	505.75	427.69	503.02	620.42	584.12	612.93
G27	450.86	377.84	453.03	383.11	456.78	379.41	444.57	546.16	527.06	546.76
G28	399.39	332.11	400.31	337.56	401.75	333.96	398.74	492.57	468.8	482.58
G29	352.13	290.12	352.22	291.97	355.55	290.35	352.18	439.39	416.13	434.12
G30	306.54	249.47	313.43	249.06	309.82	249.57	307.88	389.35	368.59	385.75
G31	264.46	212.71	270.42	209.75	265.52	212.06	267.23	344.04	324.11	340.34
G32	226.35	180.85	229.77	177.06	226.12	180.2	228.76	300.76	282.72	302.84
G33	193.8	150.93	195.0	151.3	191.53	154.59	195.42	261.54	245.36	264.87
G34	165.78	133.73	166.01	132.07	163.19	133.96	166.98	223.39	211.05	222.7
G35	143.77	120.0	143.4	116.85	141.04	123.19	144.46	192.27	181.36	191.9
G36	126.1	105.99	126.1	109.41	124.85	107.33	131.1	164.48	157.22	164.44

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/27 16:24:30

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	2688.86	2575.43	2705.14	2588.79	2710.04	2608.22	2714.39	2629.58	2722.2	2658.2
G1	2737.37	2676.19	2737.55	2684.01	2743.33	2695.8	2742.45	2709.07	2739.59	2720.21
G2	2749.58	2729.6	2742.45	2740.42	2734.27	2737.6	2730.99	2740.14	2722.52	2739.4
G3	2730.06	2747.87	2711.89	2738.57	2694.69	2730.99	2691.64	2723.73	2674.71	2712.72
G4	2682.29	2716.19	2655.34	2702.46	2630.37	2682.71	2635.54	2665.97	2604.42	2647.24
G5	2608.45	2647.38	2580.15	2625.65	2552.4	2604.01	2548.61	2580.47	2522.11	2559.34
G6	2526.6	2557.95	2497.65	2537.28	2469.58	2514.71	2465.93	2490.48	2439.8	2467.87
G7	2440.17	2469.86	2415.94	2449.1	2391.53	2426.99	2385.89	2402.9	2358.0	2380.2
G8	2359.39	2381.63	2341.12	2365.12	2316.25	2344.87	2304.78	2320.96	2282.67	2299.32
G9	2276.94	2303.21	2261.5	2282.58	2236.02	2263.16	2229.59	2241.33	2205.77	2220.11
G10	2194.45	2214.7	2182.88	2201.2	2158.93	2180.25	2153.94	2169.43	2129.29	2140.76
G11	2113.94	2134.33	2105.94	2122.45	2081.71	2104.23	2072.51	2085.22	2050.17	2062.29
G12	2036.62	2055.77	2027.88	2039.4	2003.56	2019.97	1992.04	2005.87	1964.72	1981.46
G13	1959.58	1977.2	1945.71	1960.88	1915.93	1942.98	1901.27	1921.2	1881.76	1896.23
G14	1867.01	1892.72	1856.51	1873.44	1831.86	1853.55	1808.56	1832.05	1786.32	1805.97
G15	1781.46	1799.31	1759.54	1778.82	1736.74	1757.6	1709.55	1733.18	1684.58	1703.54
G16	1673.02	1698.36	1652.08	1673.67	1630.44	1650.97	1601.4	1617.9	1577.72	1592.29
G17	1557.14	1586.51	1534.81	1558.67	1508.59	1535.59	1484.45	1508.5	1460.73	1476.54
G18	1431.27	1461.93	1416.11	1432.89	1389.15	1410.56	1360.38	1378.83	1331.34	1352.29
G19	1298.47	1335.64	1287.32	1313.17	1254.54	1293.15	1233.36	1260.92	1207.74	1232.06
G20	1175.42	1205.89	1153.04	1182.03	1131.72	1162.01	1110.68	1137.22	1087.19	1112.3
G21	1046.63	1084.6	1034.84	1063.19	1016.25	1043.44	996.6	1026.33	973.29	1000.25
G22	940.19	961.04	925.48	947.82	907.31	928.39	881.6	906.66	866.48	889.92
G23	834.29	859.17	821.67	844.6	807.93	829.3	789.72	808.44	772.79	793.46
G24	739.87	763.54	725.58	750.78	716.42	735.98	700.88	717.76	685.95	704.31
G25	655.48	683.22	647.15	669.53	637.03	656.03	622.14	639.98	608.96	627.08
G26	582.09	601.79	576.12	593.6	565.77	582.32	553.61	568.73	542.41	562.34
G27	517.21	543.66	513.47	530.3	502.69	520.54	492.66	508.7	482.67	503.85
G28	461.17	479.71	458.21	469.21	448.54	464.08	438.37	452.89	428.98	441.47
G29	416.13	428.94	408.08	422.51	399.25	407.94	389.31	404.34	380.62	393.56
G30	368.45	381.54	362.53	376.13	354.07	369.89	344.08	358.05	335.95	348.11
G31	320.13	337.98	319.07	332.43	318.61	327.34	302.98	309.59	295.48	308.52
G32	280.96	299.04	283.92	287.9	270.61	284.76	264.5	273.84	258.81	270.42
G33	243.74	257.7	238.01	248.69	232.55	246.75	228.8	241.61	224.55	236.53
G34	210.12	220.71	209.1	217.06	199.49	210.77	198.05	209.01	197.78	197.78
G35	179.65	190.42	174.01	185.06	171.09	181.17	168.09	180.34	169.2	178.59
G36	153.66	163.65	150.66	154.31	148.99	155.42	147.51	154.77	147.74	154.63

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/27 16:24:30

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

