

Report No.: KUPU-T30B-60D

Test Time: 2025/9/24 9:44:19

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: GZAILITELED
Luminaire Type: KUPU-T30B
Lamp Type:
Luminous Width: 72 mm
Luminous Length: 133 mm
Luminous Height: 0.7 mm

Voltage(V): 219.95 V
Current(A): 0.1480 A
Power(W): 30.55 W
Power Factor: 0.9370
Lamp Luminous Flux: 5947.63

Photometric Results

CIE Class: Direct
Luminaire Luminous Flux: 5947.625 lm
Downward Ratio: 100.00%
Luminaire Efficacy Rating(LER): 194.68 lm/W
Beam Angle(50%) C0-180,C90-270: 56.5,57.6
Field Angle(10%) C0-180,C90-270: 73.8,73.9
S/MH C0-180,C90-270: 0.890,0.890

Max. Intensity: 7685.87 cd
Max.Intensity Angle: C=180 Gamma=3
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 7675.50 cd
Effective Luminous Flux: 5351.02 lm
ERP(ϕ use)(120deg): 5743.09 lm

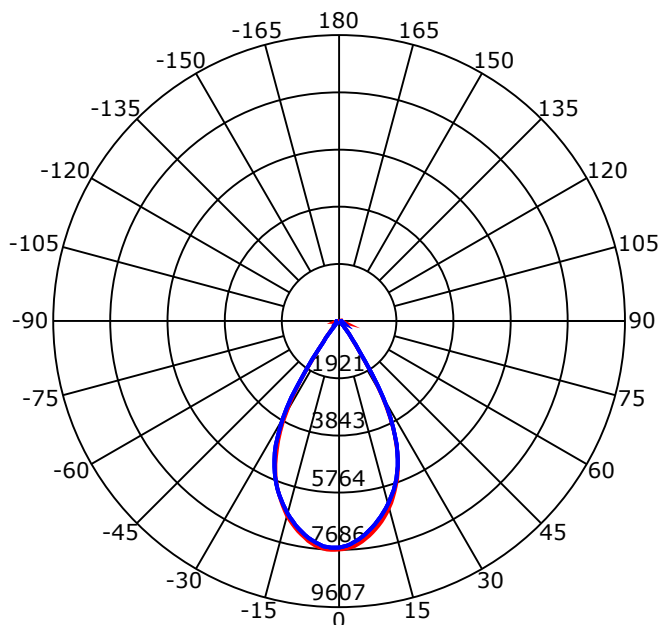
CIE Color Parameter

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



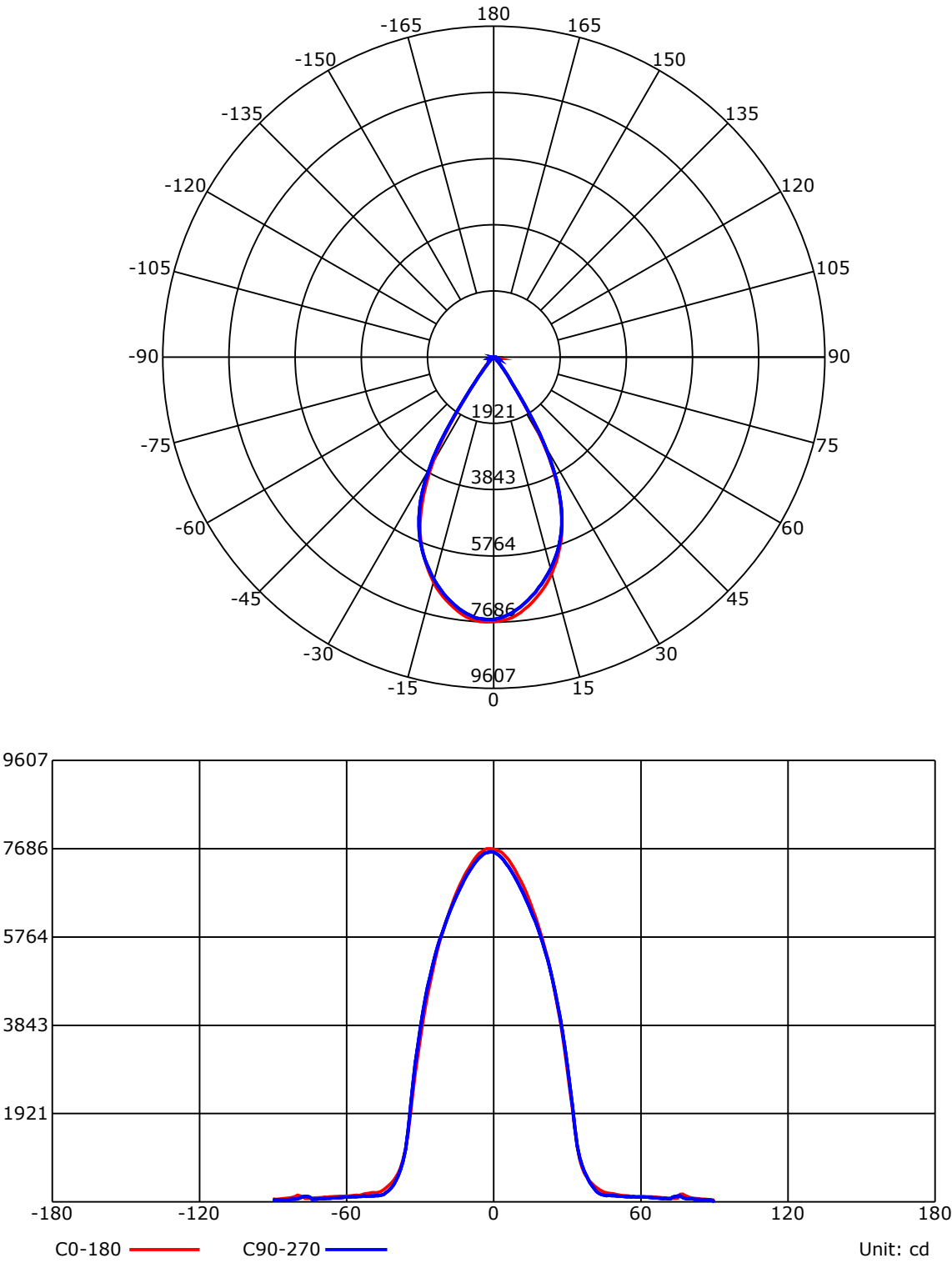
Beam Angle(50%) C0-180,C90-270: 56.5 deg,57.6 deg

C0-180 — C90-270 —

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/24 9:44:19

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

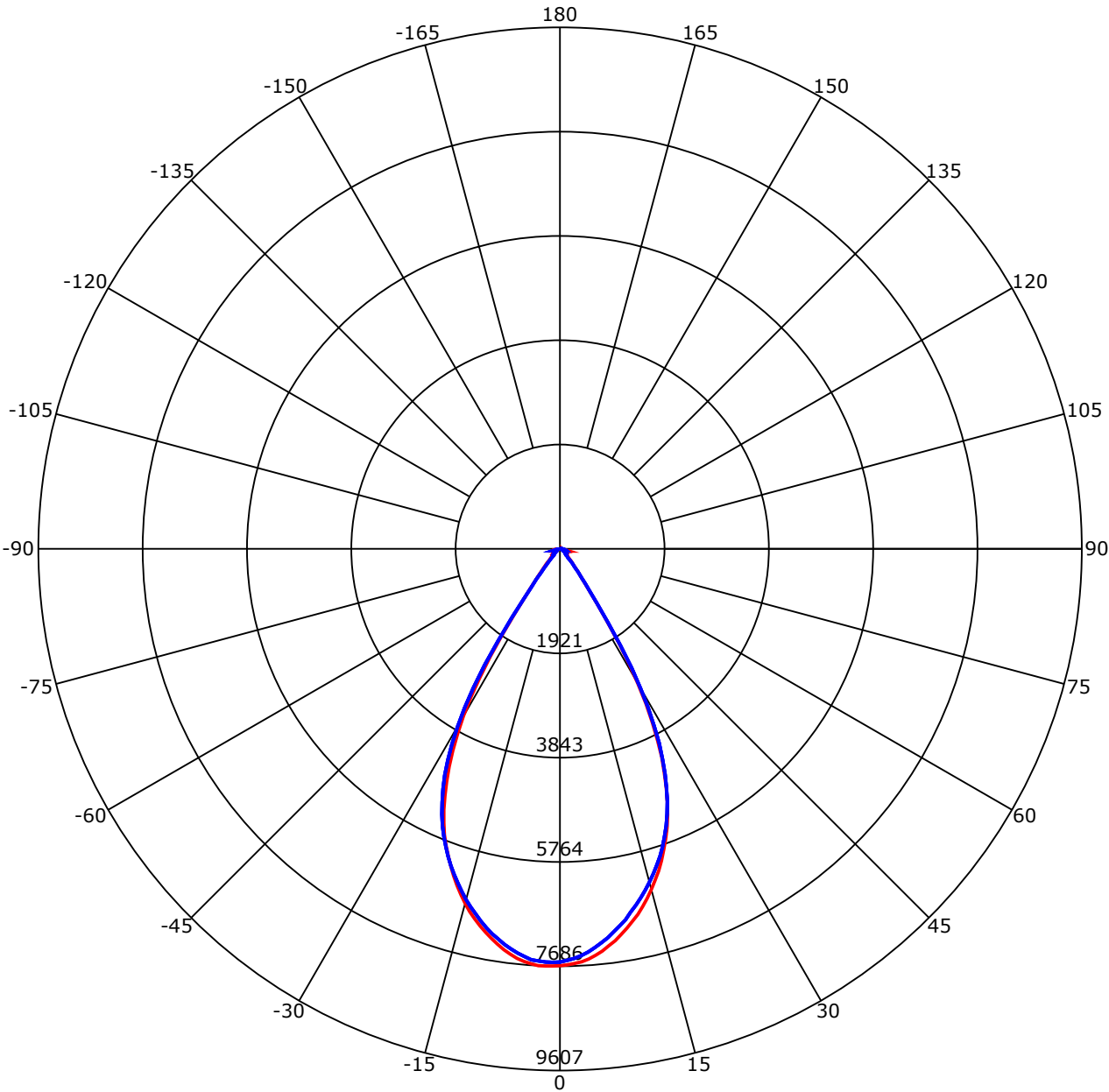
Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/24 9:44:19

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

Luminous Intensity Distribution Curve

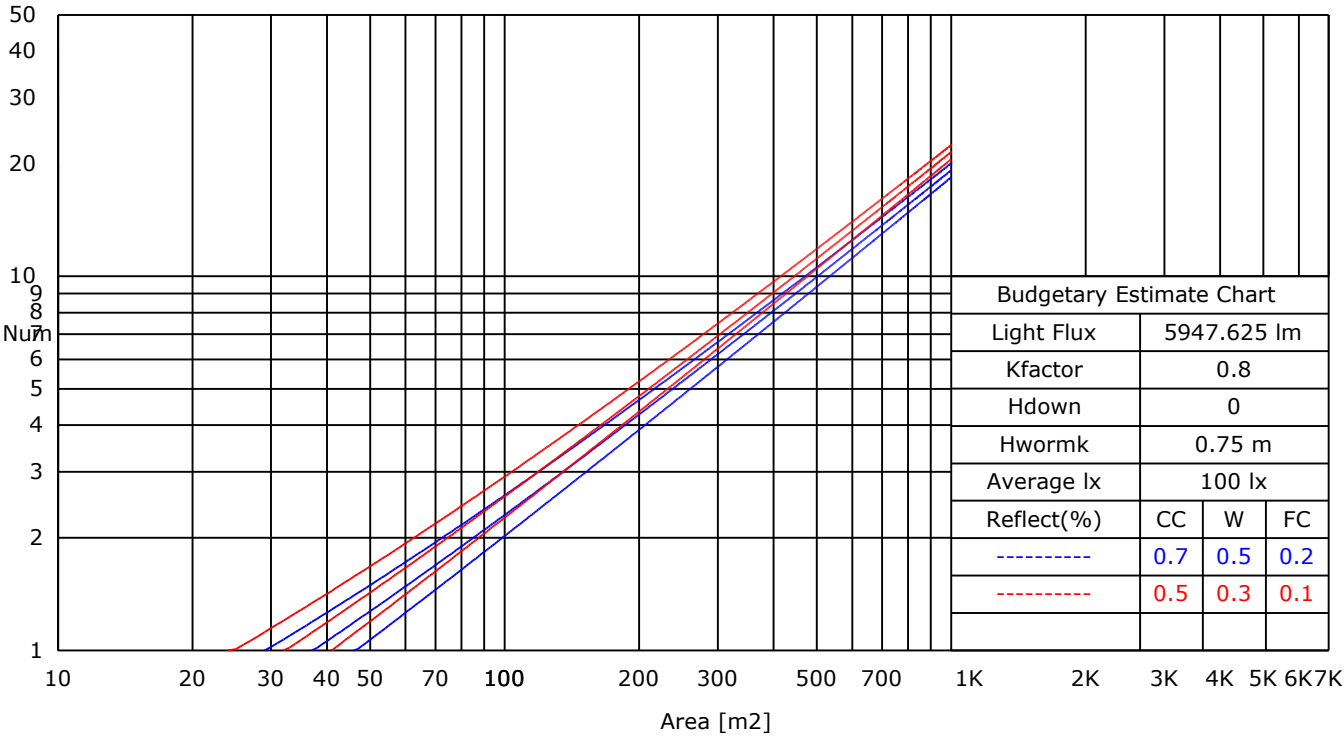


C0-180 — C90-270
Unit: cd/klm

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	1.13	1.12	1.11	1.11	1.10	1.09	1.07	1.06	1.05	1.01	1.00	0.99	0.94	0.93	0.92	0.87
2	1.05	1.04	1.03	1.04	1.02	1.01	1.00	0.98	0.97	0.96	0.93	0.92	0.90	0.87	0.85	0.81
3	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	0.75
4	0.92	0.91	0.90	0.91	0.89	0.88	0.89	0.86	0.84	0.85	0.82	0.79	0.81	0.78	0.75	0.70
5	0.87	0.85	0.84	0.86	0.84	0.82	0.84	0.81	0.78	0.81	0.77	0.74	0.77	0.73	0.70	0.66
6	0.82	0.80	0.79	0.81	0.79	0.77	0.79	0.76	0.74	0.76	0.73	0.70	0.73	0.69	0.66	0.62
7	0.77	0.76	0.75	0.76	0.74	0.73	0.75	0.72	0.69	0.72	0.69	0.66	0.70	0.65	0.62	0.59
8	0.73	0.71	0.70	0.72	0.70	0.69	0.71	0.68	0.65	0.69	0.65	0.62	0.67	0.62	0.59	0.55
9	0.69	0.67	0.66	0.68	0.66	0.65	0.67	0.64	0.62	0.65	0.61	0.59	0.63	0.59	0.55	0.52
10	0.65	0.64	0.63	0.65	0.63	0.62	0.64	0.61	0.59	0.62	0.58	0.56	0.61	0.56	0.53	0.49

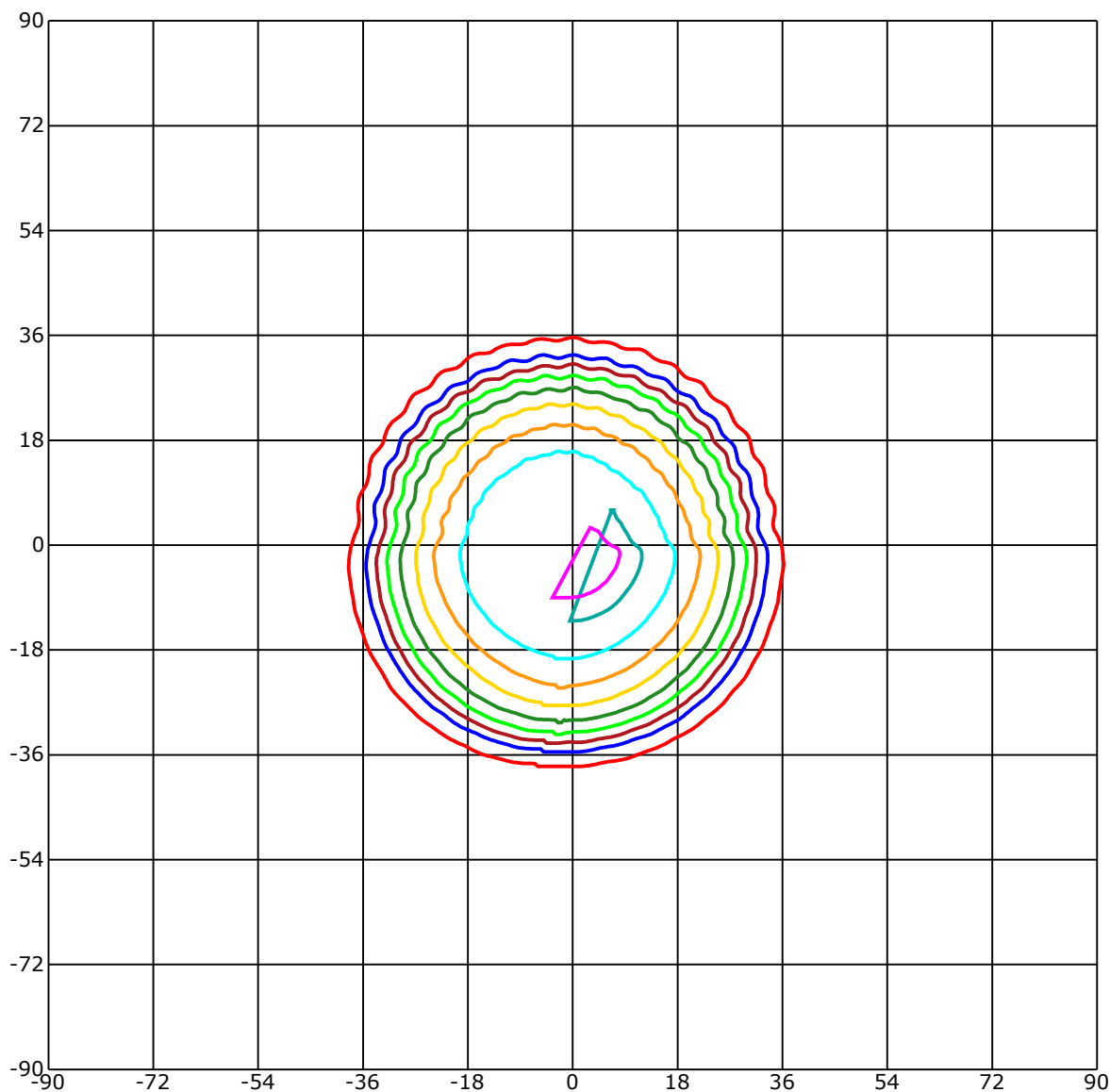
LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/24 9:44:19

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)



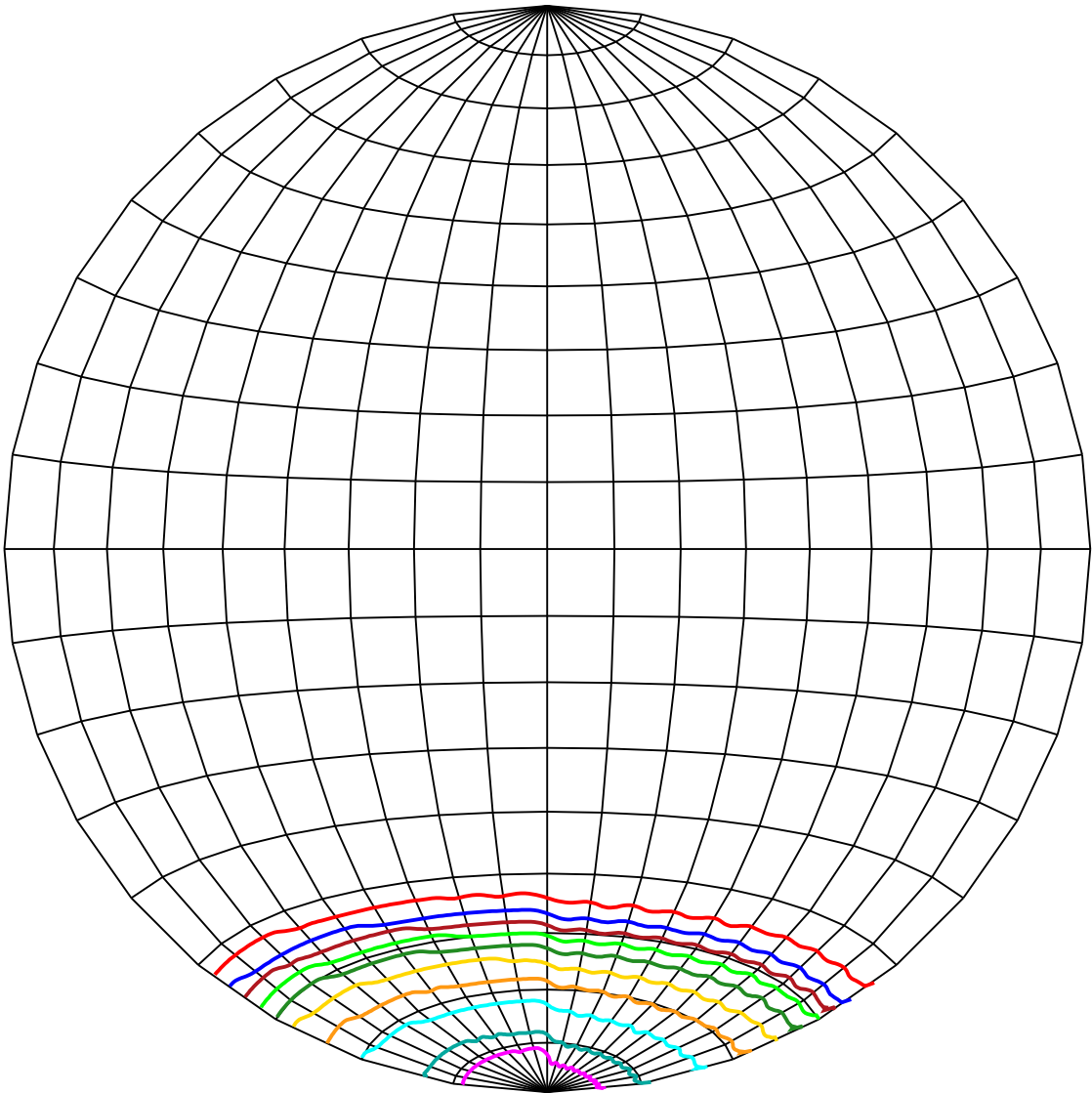
Unit of intensity:cd I_{max}(100%): 7685.867 cd

7301.574(95%I _{max})	3842.934(50%I _{max})
6917.28(90%I _{max})	3074.347(40%I _{max})
6148.694(80%I _{max})	2305.76(30%I _{max})
5380.107(70%I _{max})	1537.173(20%I _{max})
4611.521(60%I _{max})	768.587(10%I _{max})

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/24 9:44:19

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)



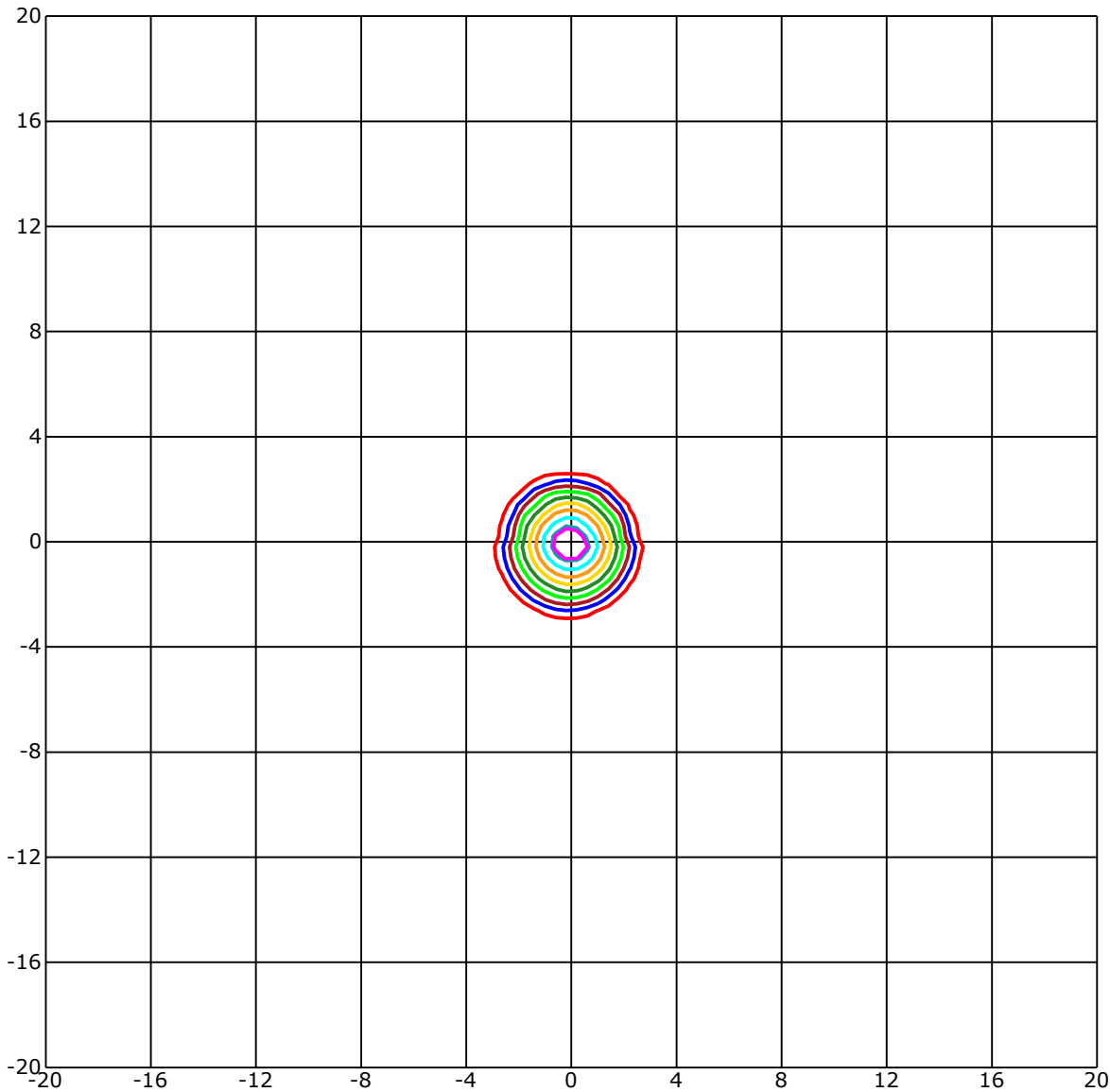
Unit of intensity:cd I_{max}(100%): 7685.867 cd

- | | |
|--------------------------------|--------------------------------|
| 7301.574(95%I _{max}) | 3842.934(50%I _{max}) |
| 6917.28(90%I _{max}) | 3074.347(40%I _{max}) |
| 6148.694(80%I _{max}) | 2305.76(30%I _{max}) |
| 5380.107(70%I _{max}) | 1537.173(20%I _{max}) |
| 4611.521(60%I _{max}) | 768.587(10%I _{max}) |

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/24 9:44:19

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



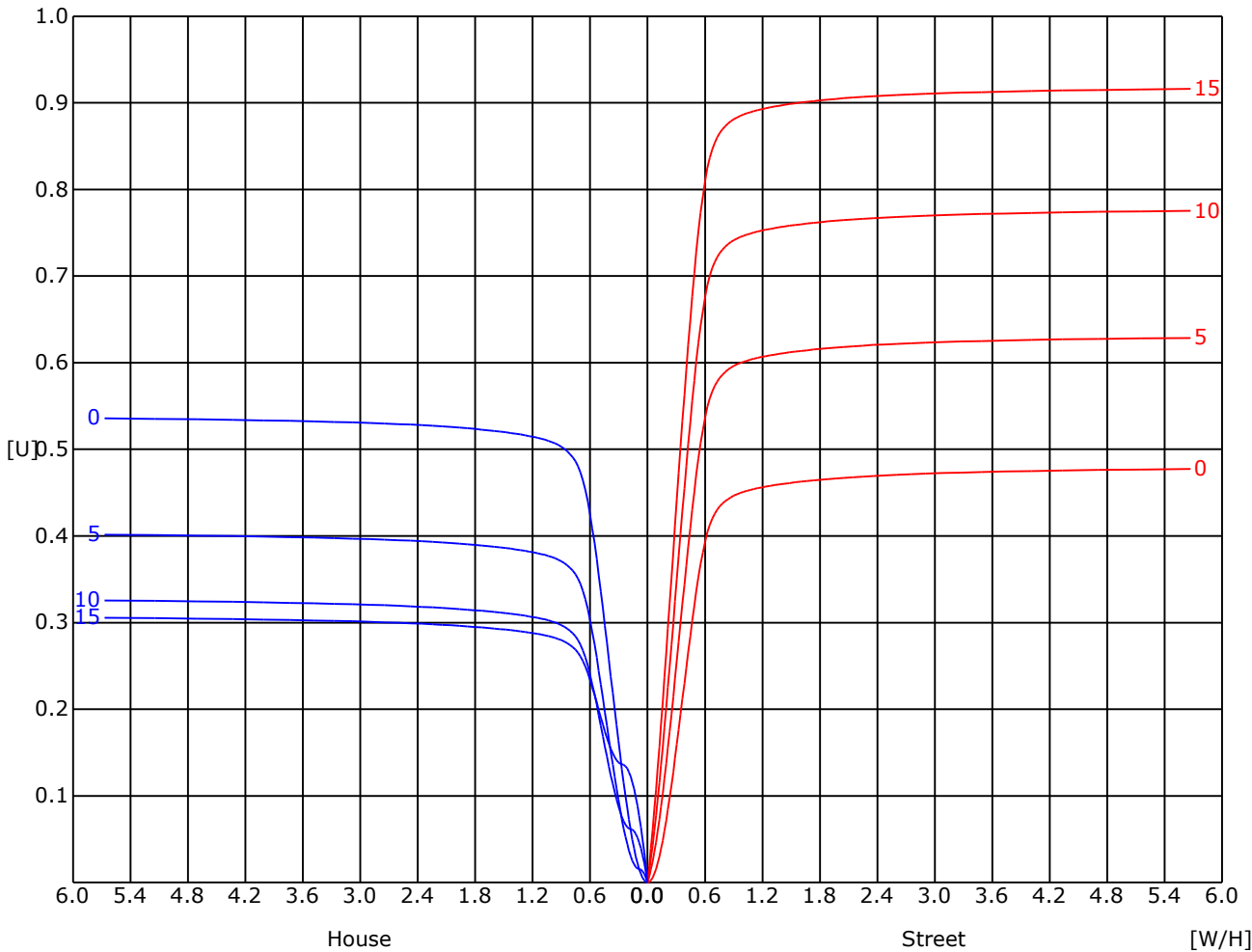
Unit of illumination:lx Height of plane:4.0(m)/13.12(ft)

- | | |
|------------------|------------------|
| 441.604(92%Emax) | 240.002(50%Emax) |
| 432.004(90%Emax) | 192.002(40%Emax) |
| 384.003(80%Emax) | 144.001(30%Emax) |
| 336.003(70%Emax) | 96.001(20%Emax) |
| 288.002(60%Emax) | 48.0(10%Emax) |

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/24 9:44:19

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)



C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/24 9:44:19

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

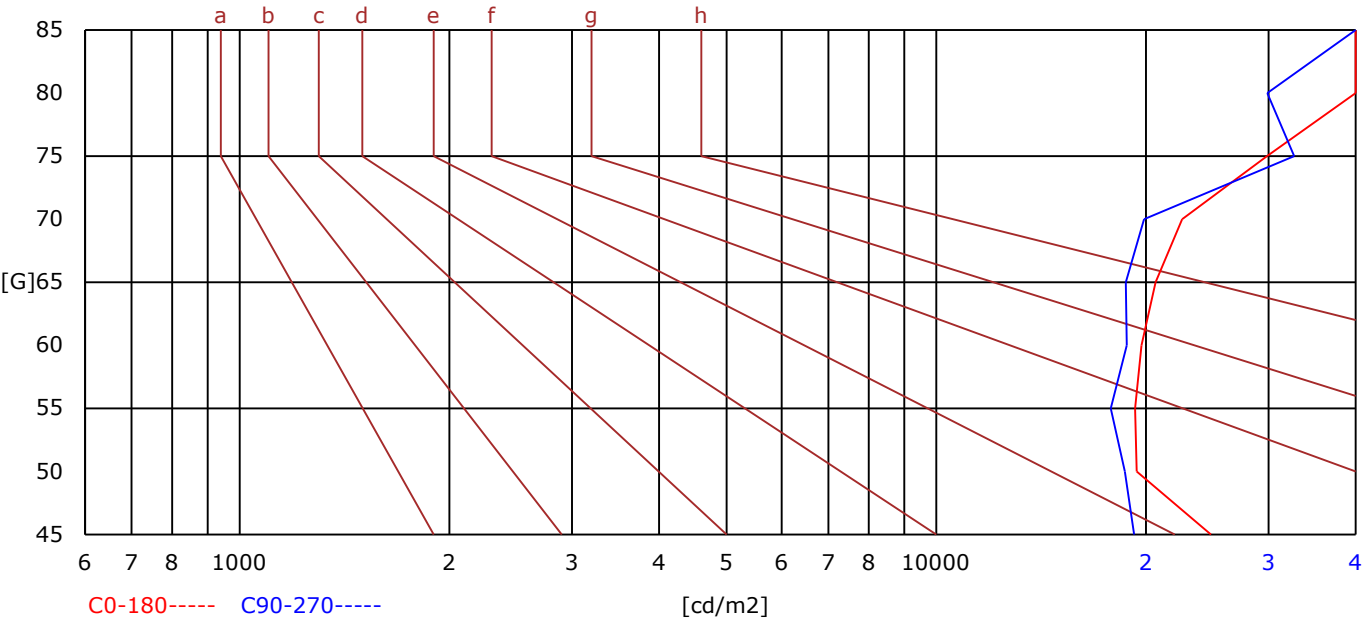
Humidity: 1

Test Distance: 7.061 m

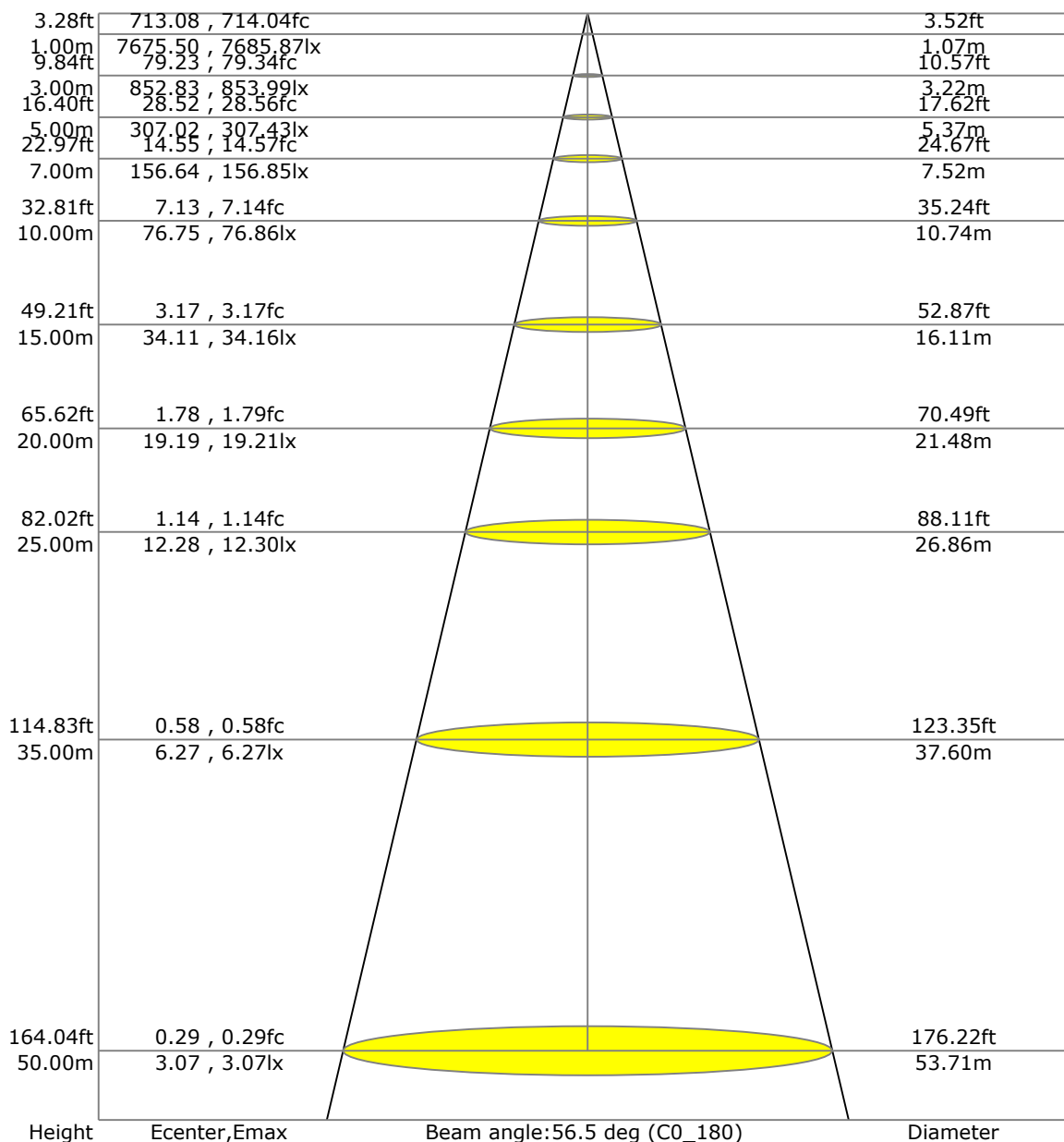
Remarks:

BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	24777	19391	19298	19712	20635	22545	29833	48633	59380
C90	19233	18646	17792	18764	18714	19881	32649	29863	49762
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



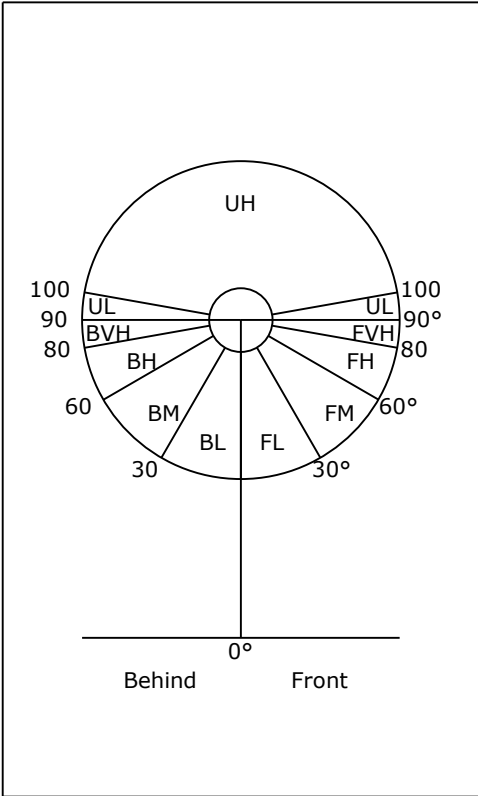
LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/24 9:44:19

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

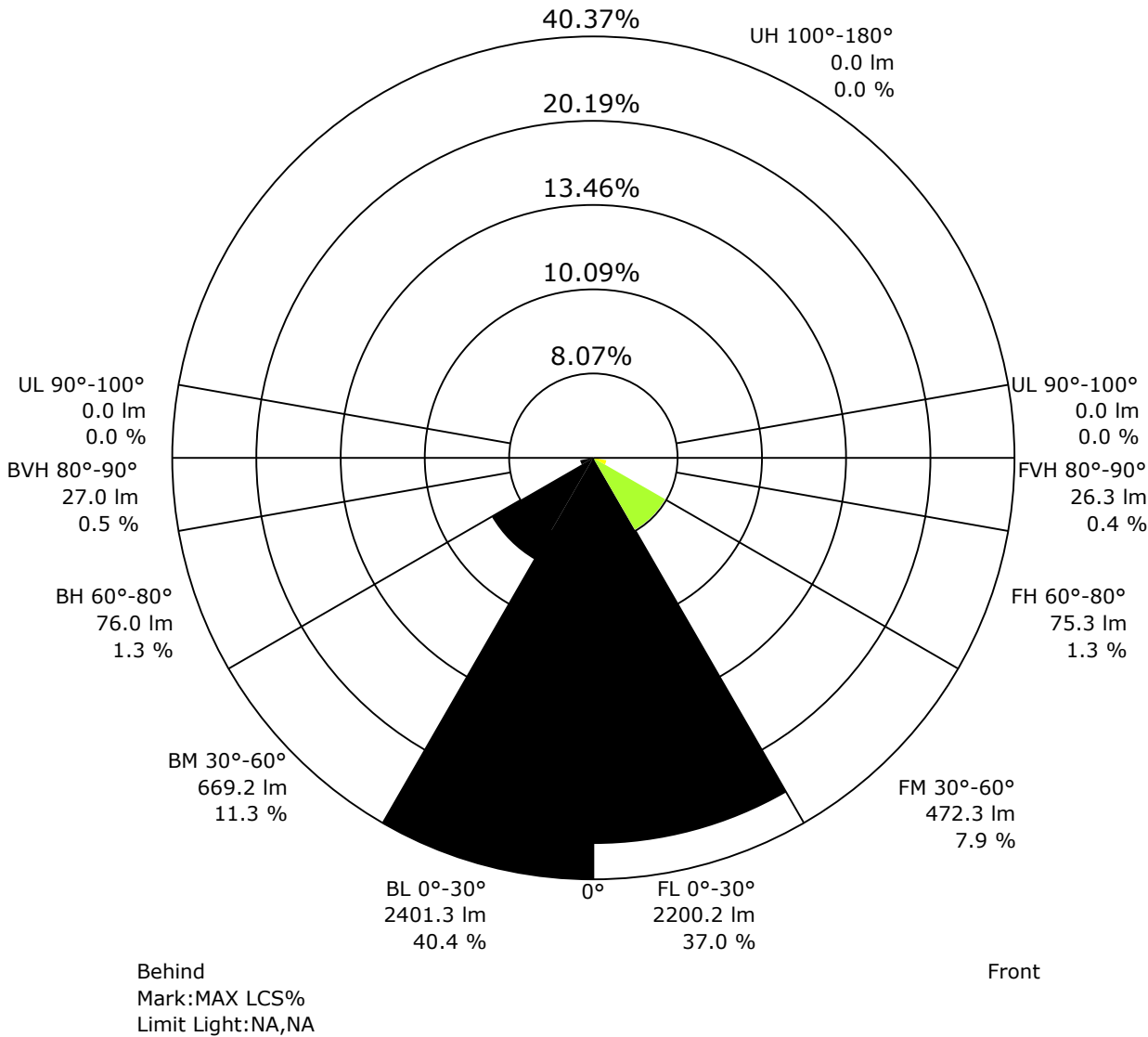
BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	2774.1	46.6
FL (0°-30°)	2200.2	37.0
FM (30°-60°)	472.3	7.9
FH (60°-80°)	75.3	1.3
FVH (80°-90°)	26.3	0.4
Behind	3173.5	53.4
BL (0°-30°)	2401.3	40.4
BM (30°-60°)	669.2	11.3
BH (60°-80°)	76.0	1.3
BVH (80°-90°)	27.0	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

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



C Range: 0 - 360 Deg
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Temperature: 7.061
Operators:
Test Date: 2025/9/24 9:44:19

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

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	19.56	19.86	19.77	20.24	20.70	19.73	20.03	19.94	20.41	20.87
3H	19.39	19.66	19.62	20.06	20.54	19.57	19.84	19.80	20.23	20.71
4H	19.28	19.55	19.53	19.94	20.43	19.47	19.73	19.72	20.13	20.62
6H	19.16	19.42	19.43	19.82	20.32	19.35	19.61	19.62	20.01	20.51
8H	19.10	19.35	19.37	19.75	20.26	19.29	19.53	19.56	19.94	20.45
12H	19.03	19.27	19.32	19.68	20.20	19.22	19.46	19.51	19.87	20.39
4H 2H	20.71	20.97	20.96	21.37	21.86	20.57	20.84	20.82	21.23	21.72
3H	20.74	20.98	21.03	21.39	21.91	20.60	20.84	20.88	21.25	21.76
4H	20.73	20.95	21.03	21.36	21.90	20.60	20.82	20.90	21.23	21.77
6H	20.67	20.88	21.00	21.29	21.84	20.57	20.77	20.89	21.19	21.74
8H	20.63	20.82	20.96	21.24	21.80	20.54	20.73	20.87	21.15	21.71
12H	20.57	20.75	20.92	21.18	21.75	20.49	20.67	20.83	21.09	21.66
8H 4H	22.21	22.45	22.48	22.86	23.37	21.43	21.68	21.71	22.08	22.59
6H	22.71	22.88	23.07	23.30	23.88	21.97	22.13	22.32	22.56	23.14
8H	22.74	22.90	23.11	23.32	23.91	22.04	22.19	22.41	22.62	23.21
12H	22.76	22.89	23.14	23.32	23.92	22.09	22.22	22.47	22.65	23.25
12H 4H	23.26	23.44	23.60	23.86	24.43	22.38	22.56	22.72	22.98	23.55
6H	23.51	23.66	23.88	24.09	24.68	22.67	22.83	23.04	23.25	23.84

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	7090.0	6816.6	6934.3	6767.2	6896.2	6732.4	6862.9	6698.2	10	699.7	699.7	11.8	11.8
20	5686.0	5274.4	5509.0	5215.9	5433.4	5152.2	5382.7	5117.3	20	1807.8	2507.5	42.2	42.2
30	2864.8	2109.1	2637.2	2062.2	2606.6	2041.8	2600.5	2034.0	30	2094.1	4601.5	77.4	77.4
40	399.9	309.7	363.9	297.3	353.1	290.2	347.7	281.4	40	872.2	5473.7	92.0	92.0
50	160.6	119.4	118.1	108.6	116.4	113.0	125.1	115.8	50	173.3	5647.0	94.9	94.9
60	117.4	94.4	88.6	78.9	87.4	90.0	91.5	90.3	60	96.1	5743.1	96.6	96.6
70	87.6	73.8	72.8	69.3	73.2	74.2	75.2	71.7	70	82.2	5825.3	97.9	97.9
80	93.4	80.9	63.6	55.6	59.3	54.9	58.7	56.1	80	69.1	5894.4	99.1	99.1
90	39.2	24.5	0.0	38.7	0.0	39.1	0.0	49.2	90	53.3	5947.6	100.0	100.0

Conical surface Flux(90deg) : 5582.8 lm

%lum = 93.9%

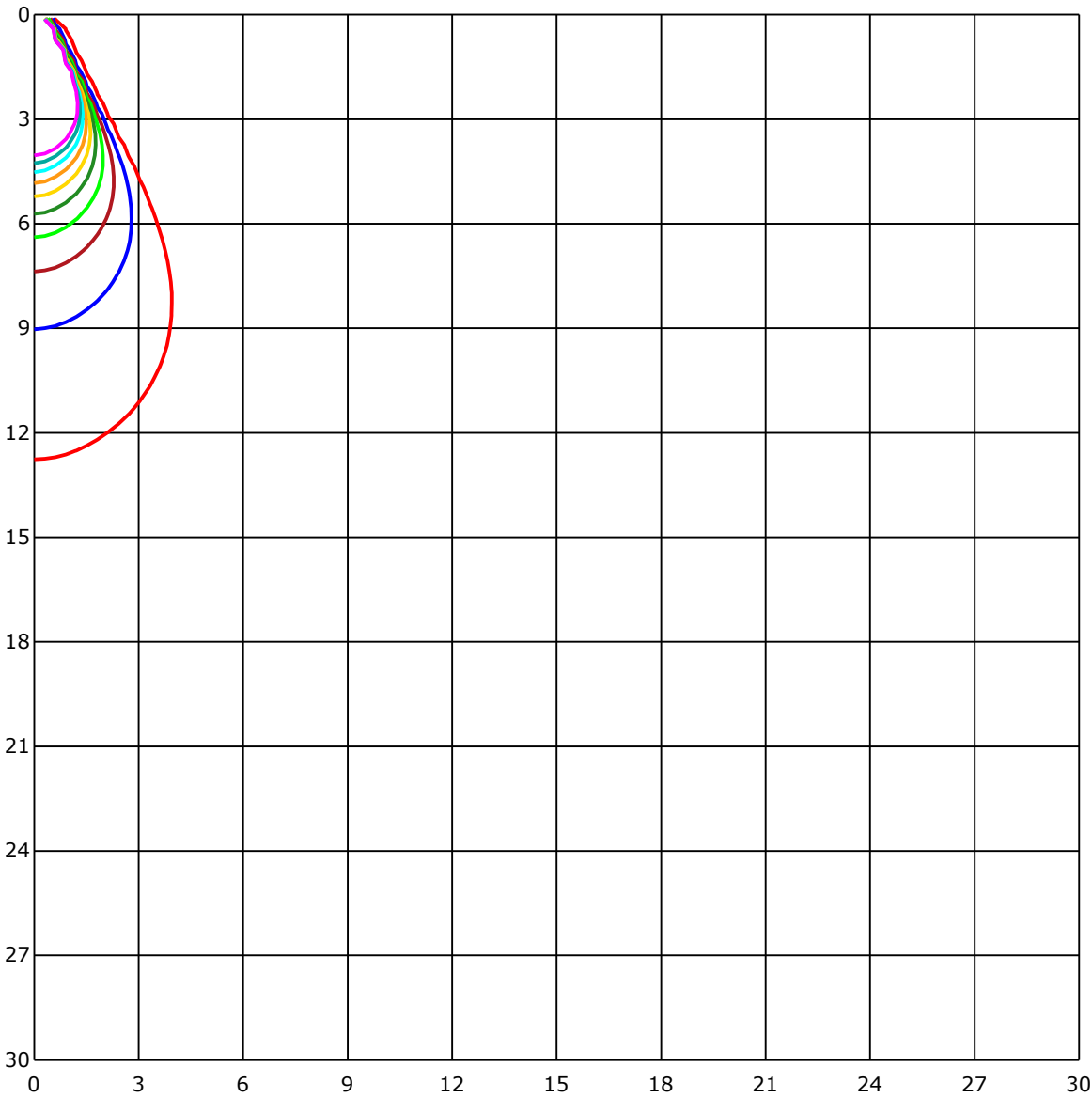
%lamp = 93.9%

Conical surface Flux(120deg) : 5743.1 lm

%lum = 96.6%

%lamp = 96.6%

SPACE ISOLX DIAGRAM



Unit of illumination:lx

- | | |
|--------|--------|
| 471.2 | 235.6 |
| 424.08 | 188.48 |
| 376.96 | 141.36 |
| 329.84 | 94.24 |
| 282.72 | 47.12 |

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
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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

Gamma\C	C0	C5	C10	C15	C20	C25	C30	C35	C40	C45
G0	7675.5	7552.35	7569.45	7550.2	7566.51	7545.82	7574.98	7545.67	7576.98	7549.61
G1	7662.43	7525.33	7554.19	7521.64	7559.58	7513.96	7552.4	7504.88	7555.84	7501.34
G2	7640.9	7490.42	7530.01	7475.17	7529.86	7471.53	7519.04	7460.06	7518.4	7454.88
G3	7614.17	7433.59	7495.81	7429.45	7488.88	7407.81	7482.3	7394.6	7468.09	7392.75
G4	7572.29	7372.06	7445.5	7350.57	7432.04	7332.77	7423.07	7327.24	7419.78	7314.78
G5	7514.26	7292.44	7378.59	7268.86	7368.97	7251.11	7354.61	7233.66	7341.95	7228.07
G6	7449.79	7211.27	7303.26	7187.14	7283.86	7153.99	7270.1	7137.98	7262.28	7136.34
G7	7365.93	7122.52	7224.63	7087.62	7195.22	7061.1	7175.22	7042.15	7164.46	7024.95
G8	7284.11	7022.26	7132.1	6987.96	7105.37	6955.15	7077.45	6931.07	7062.55	6921.4
G9	7192.18	6919.4	7035.82	6884.4	7001.22	6842.97	6974.35	6811.36	6954.4	6807.77
G10	7089.97	6816.6	6934.26	6767.24	6896.22	6732.44	6862.92	6698.19	6839.93	6686.67
G11	6984.17	6703.17	6829.16	6651.97	6783.29	6605.9	6744.4	6570.95	6726.6	6562.32
G12	6880.76	6580.77	6715.83	6528.42	6663.63	6469.94	6625.94	6440.82	6598.72	6430.3
G13	6760.31	6441.37	6592.74	6386.67	6544.03	6340.46	6498.26	6308.95	6474.62	6299.47
G14	6634.02	6297.48	6461.36	6242.44	6404.32	6190.33	6368.53	6158.13	6344.89	6141.82
G15	6494.52	6150.1	6310.84	6087.48	6262.98	6033.28	6221.9	6002.62	6199.96	5996.89
G16	6349.78	5992.4	6166.55	5925.24	6106.18	5874.04	6065.59	5839.44	6045.9	5833.5
G17	6199.81	5830.41	6009.65	5761.86	5949.02	5711.7	5910.53	5669.97	5886.2	5662.89
G18	6038.47	5658.85	5852.1	5592.64	5785.29	5530.12	5737.63	5491.13	5711.75	5487.09
G19	5864.37	5474.18	5681.29	5404.58	5613.48	5345.99	5564.42	5307.7	5533.66	5303.02
G20	5686.02	5274.4	5509.03	5215.92	5433.4	5152.25	5382.69	5117.3	5356.22	5111.56
G21	5495.12	5048.64	5305.06	4989.26	5239.85	4937.56	5192.33	4909.79	5172.69	4902.51
G22	5284.47	4810.62	5090.77	4753.93	5029.75	4708.41	4990.11	4685.38	4966.13	4680.79
G23	5056.37	4555.25	4857.79	4500.16	4806.63	4462.07	4765.7	4436.64	4751.74	4440.13
G24	4808.13	4281.43	4608.9	4228.23	4559.59	4195.48	4527.48	4170.9	4514.77	4181.97
G25	4540.84	3976.3	4348.34	3934.42	4301.97	3905.06	4280.34	3887.51	4266.33	3897.03
G26	4264.43	3665.04	4057.92	3622.46	4017.34	3586.07	4000.43	3577.69	3985.03	3583.87
G27	3953.72	3305.17	3746.71	3270.12	3709.37	3246.14	3690.37	3233.62	3684.98	3244.44
G28	3627.15	2936.92	3405.13	2892.84	3373.97	2876.59	3352.28	2871.66	3353.23	2884.22
G29	3263.04	2516.87	3032.35	2490.39	3010.81	2463.67	2993.01	2465.81	2993.51	2480.52
G30	2864.78	2109.13	2637.22	2062.17	2606.56	2041.77	2600.53	2034.05	2605.02	2059.07
G31	2450.76	1665.3	2222.76	1631.2	2186.61	1605.92	2176.29	1605.02	2184.02	1624.56
G32	2031.85	1272.67	1787.1	1238.82	1756.34	1213.84	1740.78	1210.1	1750.36	1219.77
G33	1591.06	968.74	1373.38	942.41	1344.02	925.31	1329.81	923.81	1340.33	931.84
G34	1211.14	771.65	1039.78	754.6	1014.31	745.32	1002.29	747.72	1004.58	755.1
G35	929.0	633.84	822.05	619.13	808.04	615.0	802.96	614.95	806.65	621.78
G36	751.51	536.67	671.43	523.01	662.56	517.72	660.27	516.13	664.7	526.35

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/24 9:44:19

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	625.32	459.09	563.49	445.28	555.22	439.4	552.47	442.09	556.01	439.84
G38	529.54	399.56	488.81	391.48	471.26	379.52	467.22	381.66	469.61	376.72
G39	456.6	354.64	415.41	337.59	406.69	331.4	400.56	324.52	403.6	325.12
G40	399.91	309.67	363.91	297.3	353.09	290.22	347.71	281.4	344.97	279.65
G41	352.0	270.33	319.99	256.17	309.22	243.8	302.49	242.56	298.8	241.66
G42	311.26	232.69	279.6	216.13	276.76	215.98	260.61	211.2	256.02	212.09
G43	270.33	196.14	239.77	184.87	230.99	188.11	225.76	187.07	223.11	186.67
G44	237.02	173.9	207.76	162.34	201.03	167.17	199.33	169.32	200.88	169.12
G45	212.29	167.77	183.58	153.66	177.39	151.12	176.9	156.2	177.64	154.66
G46	198.68	149.82	164.88	141.05	158.05	140.25	161.49	144.74	164.23	145.34
G47	189.46	146.53	150.42	129.93	146.93	131.42	149.97	134.82	154.16	138.31
G48	183.28	132.47	139.25	121.75	136.46	123.8	140.1	127.44	144.84	131.28
G49	174.95	124.69	128.88	114.77	128.03	118.06	131.87	121.3	136.71	124.84
G50	160.59	119.36	118.06	108.59	116.42	113.03	125.09	115.82	128.63	118.71
G51	151.47	114.62	110.73	103.11	115.62	108.79	118.46	111.03	121.25	113.68
G52	143.19	110.29	105.3	99.27	110.68	102.31	112.38	107.34	115.47	108.04
G53	136.51	106.4	101.11	96.28	106.2	102.46	107.99	103.95	110.78	106.65
G54	133.37	103.4	97.82	93.98	102.31	99.82	108.29	101.51	107.39	103.95
G55	129.63	106.0	95.38	91.74	98.77	97.52	100.91	98.42	104.45	100.71
G56	119.91	102.21	93.33	90.29	95.73	95.28	104.75	96.13	100.81	96.92
G57	124.05	98.12	91.54	88.65	93.08	93.13	95.83	94.23	98.42	94.28
G58	114.82	96.82	90.69	88.25	90.64	90.39	94.33	93.28	96.62	91.39
G59	119.26	96.03	89.44	87.3	88.95	90.19	95.63	91.69	94.83	89.1
G60	117.41	94.38	88.6	78.87	87.35	90.04	91.54	90.29	93.33	86.95
G61	115.12	84.26	79.27	84.91	91.44	84.51	90.19	80.37	88.05	90.69
G62	112.58	90.74	86.45	76.03	83.91	82.91	89.25	86.5	91.04	83.21
G63	110.14	88.35	84.86	81.97	82.46	87.95	88.15	84.11	89.44	81.97
G64	113.68	86.15	83.26	80.07	85.31	80.32	86.8	82.46	87.8	80.37
G65	105.6	83.51	81.37	76.48	79.87	82.66	85.51	83.56	85.61	81.07
G66	108.09	80.97	79.27	75.98	78.63	78.43	80.42	77.88	82.61	77.93
G67	98.67	78.68	77.78	74.59	74.84	75.93	81.37	76.13	84.56	76.08
G68	95.43	82.71	75.93	72.84	75.73	76.73	79.17	74.64	77.98	66.56
G69	89.94	75.24	74.29	76.78	74.99	75.78	77.28	73.34	75.43	72.39
G70	87.65	73.84	72.84	69.3	73.19	74.24	75.24	71.7	73.54	70.5
G71	85.31	77.93	70.85	67.36	71.4	72.44	73.64	70.7	76.33	68.01
G72	82.07	71.55	69.35	65.71	69.8	70.15	71.94	68.75	69.55	66.51
G73	78.28	70.45	68.35	63.97	66.76	66.71	70.2	62.37	68.26	63.17

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/24 9:44:19

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	7575.28	7548.46	7583.66	7551.35	7588.84	7559.53	7593.33	7573.34	7608.99	7578.07
G1	7552.4	7504.04	7553.44	7515.95	7562.72	7515.1	7570.8	7529.06	7580.32	7538.19
G2	7520.49	7454.88	7518.94	7455.72	7525.23	7462.16	7534.35	7471.83	7545.62	7487.63
G3	7471.03	7389.46	7466.59	7390.96	7470.58	7396.74	7481.3	7412.75	7498.55	7426.96
G4	7411.7	7310.69	7406.36	7318.07	7415.34	7327.29	7425.16	7337.71	7439.47	7351.17
G5	7338.96	7229.72	7333.12	7236.65	7340.35	7247.62	7349.18	7259.98	7366.28	7279.23
G6	7256.84	7135.49	7252.2	7145.21	7266.56	7160.92	7271.95	7173.08	7291.74	7197.46
G7	7161.91	7034.38	7168.14	7053.02	7179.96	7060.75	7188.69	7083.34	7210.47	7110.11
G8	7061.95	6930.07	7073.22	6947.47	7089.37	6969.01	7102.88	6985.27	7120.93	7011.09
G9	6948.67	6814.55	6964.82	6830.61	6983.42	6858.18	7004.36	6889.69	7027.2	6907.24
G10	6843.82	6688.31	6855.04	6717.73	6882.76	6747.5	6905.89	6776.46	6931.47	6800.29
G11	6719.67	6566.01	6737.47	6592.59	6767.99	6632.07	6789.23	6658.55	6816.2	6690.81
G12	6607.59	6435.98	6610.44	6463.06	6648.78	6505.88	6683.48	6542.28	6708.81	6578.18
G13	6467.44	6297.08	6487.29	6326.1	6520.99	6377.1	6568.6	6424.52	6595.18	6454.68
G14	6340.51	6163.66	6353.27	6185.55	6395.3	6249.96	6443.96	6299.47	6478.76	6338.66
G15	6199.76	6006.36	6213.42	6046.74	6259.89	6107.62	6309.15	6168.95	6355.56	6208.53
G16	6045.65	5850.95	6069.53	5902.81	6116.99	5967.82	6183.55	6024.11	6224.94	6076.91
G17	5892.44	5689.71	5920.26	5739.62	5979.34	5807.33	6043.9	5877.68	6092.81	5927.14
G18	5724.51	5518.15	5755.53	5569.16	5819.54	5644.34	5891.04	5716.29	5949.82	5769.64
G19	5549.56	5338.17	5590.0	5388.02	5655.91	5470.94	5734.83	5542.73	5795.06	5601.91
G20	5371.87	5145.97	5417.99	5191.09	5480.36	5274.1	5560.88	5358.36	5627.64	5423.32
G21	5184.65	4936.56	5227.78	4985.07	5294.74	5071.68	5379.05	5156.88	5449.6	5221.85
G22	4982.18	4707.27	5026.36	4774.28	5096.61	4850.91	5178.52	4937.76	5257.0	5010.65
G23	4764.15	4475.48	4815.01	4534.56	4876.14	4614.38	4964.13	4701.68	5048.49	4777.47
G24	4531.87	4220.81	4579.28	4282.13	4647.64	4355.27	4736.13	4448.81	4820.99	4523.79
G25	4285.87	3937.76	4334.58	3998.49	4407.07	4081.75	4492.73	4171.99	4577.19	4248.18
G26	4008.76	3636.57	4060.11	3704.98	4134.85	3780.66	4221.6	3874.89	4309.4	3953.47
G27	3710.81	3291.11	3769.04	3363.7	3843.18	3446.02	3929.39	3538.5	4015.44	3626.9
G28	3384.09	2930.74	3442.03	3005.32	3520.01	3087.54	3604.22	3177.83	3694.61	3282.03
G29	3019.98	2526.59	3084.8	2604.17	3167.56	2690.17	3257.6	2779.67	3351.19	2884.62
G30	2631.04	2113.87	2693.46	2171.2	2780.72	2267.58	2868.41	2363.46	2971.02	2470.05
G31	2215.28	1657.52	2276.95	1721.49	2357.42	1799.37	2454.05	1896.39	2557.25	2001.04
G32	1773.54	1250.93	1830.68	1297.15	1907.71	1354.53	2000.54	1434.41	2099.66	1525.15
G33	1357.23	956.47	1399.96	986.63	1452.61	1032.2	1530.23	1091.54	1621.72	1158.2
G34	1015.5	777.58	1051.95	802.06	1094.93	836.51	1152.51	885.47	1219.87	924.31
G35	821.75	641.62	840.1	665.3	879.99	689.63	922.47	723.54	970.03	759.73
G36	676.92	537.47	699.85	555.32	728.02	573.71	758.29	596.6	797.52	630.1

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/24 9:44:19

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	7605.85	7592.88	7618.51	7602.36	7630.77	7614.62	7631.72	7617.81	7638.05	7635.76
G1	7588.35	7553.35	7600.36	7574.04	7615.07	7590.44	7624.04	7608.04	7630.92	7622.85
G2	7550.35	7511.51	7573.54	7529.01	7588.99	7549.46	7605.7	7570.2	7614.02	7598.92
G3	7510.42	7450.64	7527.82	7471.63	7548.91	7500.4	7572.74	7533.8	7592.88	7557.88
G4	7460.46	7379.29	7471.73	7407.26	7503.59	7444.06	7528.77	7477.06	7554.54	7504.14
G5	7390.26	7300.72	7408.36	7337.66	7444.31	7378.84	7470.78	7410.5	7507.48	7450.34
G6	7313.83	7223.34	7342.9	7265.07	7372.16	7301.07	7415.29	7338.81	7446.65	7378.59
G7	7236.95	7138.53	7261.98	7181.91	7302.36	7218.1	7341.85	7259.63	7378.89	7298.27
G8	7151.29	7045.25	7183.55	7087.77	7222.34	7133.59	7266.51	7171.63	7300.62	7204.34
G9	7056.61	6945.53	7092.01	6990.1	7136.78	7033.58	7177.22	7073.22	7221.74	7108.02
G10	6967.57	6832.3	6992.79	6879.72	7049.63	6928.43	7083.44	6965.92	7118.29	7003.71
G11	6853.34	6732.19	6892.73	6776.31	6937.65	6818.44	6977.14	6854.74	7017.03	6884.65
G12	6743.81	6616.97	6782.05	6657.85	6829.31	6695.54	6867.2	6733.68	6907.99	6768.68
G13	6632.72	6497.56	6669.27	6537.0	6711.45	6565.31	6749.84	6599.87	6787.28	6650.27
G14	6516.25	6373.81	6549.36	6401.13	6586.7	6426.91	6621.55	6469.94	6665.53	6523.09
G15	6397.19	6244.18	6433.44	6263.88	6456.87	6289.5	6491.53	6325.6	6534.7	6387.02
G16	6267.17	6104.78	6296.28	6124.22	6318.92	6146.41	6350.38	6188.59	6390.91	6241.94
G17	6136.04	5956.0	6160.12	5972.91	6179.27	5996.19	6210.43	6033.08	6255.55	6086.58
G18	5987.11	5803.74	6011.5	5815.21	6027.5	5836.94	6057.81	5874.49	6102.49	5921.1
G19	5840.83	5633.62	5858.28	5645.54	5866.11	5667.73	5901.81	5701.63	5947.58	5744.71
G20	5676.7	5450.3	5695.3	5468.74	5707.11	5489.68	5735.33	5523.39	5774.52	5564.12
G21	5501.2	5259.54	5518.6	5275.79	5534.81	5298.78	5560.03	5327.45	5594.83	5373.67
G22	5311.29	5050.69	5331.24	5070.03	5344.3	5097.75	5372.47	5127.02	5412.21	5178.07
G23	5106.93	4828.72	5124.33	4851.11	5149.16	4881.42	5176.78	4916.17	5209.48	4964.53
G24	4882.62	4581.83	4912.28	4617.37	4936.36	4644.55	4966.03	4689.92	5003.62	4743.26
G25	4643.9	4315.58	4681.04	4359.41	4709.46	4395.91	4750.0	4445.96	4791.93	4491.33
G26	4387.28	4030.35	4426.17	4076.92	4458.43	4132.71	4503.1	4185.61	4546.83	4230.63
G27	4096.61	3716.74	4154.89	3784.4	4196.62	3838.05	4246.43	3894.84	4294.2	3943.65
G28	3784.9	3375.62	3859.04	3459.98	3907.05	3524.84	3963.69	3587.61	4016.49	3641.16
G29	3449.86	2997.15	3528.73	3091.28	3597.04	3172.0	3659.46	3236.66	3715.45	3292.95
G30	3068.19	2573.96	3168.31	2690.52	3248.53	2789.24	3319.03	2867.32	3375.72	2927.65
G31	2662.05	2125.24	2768.35	2243.35	2870.81	2356.33	2958.41	2448.16	3018.84	2504.0
G32	2211.09	1650.44	2331.75	1776.28	2441.23	1893.2	2546.03	2002.14	2614.99	2070.04
G33	1736.15	1233.23	1858.15	1327.31	1982.79	1428.87	2094.92	1531.28	2178.83	1601.08
G34	1304.73	966.04	1403.3	1019.24	1513.43	1071.34	1620.63	1133.62	1712.91	1186.07
G35	1018.14	791.94	1071.54	825.59	1133.12	858.2	1206.46	882.93	1270.13	917.18
G36	833.12	662.36	869.72	690.78	898.74	709.13	936.58	727.82	971.28	756.64

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/24 9:44:19

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	7643.59	7650.57	7654.21	7659.54	7662.53	7669.21	7675.5	7552.35	7569.45	7550.2
G1	7642.14	7642.19	7653.66	7652.11	7661.79	7672.51	7683.57	7569.7	7586.0	7568.4
G2	7638.65	7614.67	7650.72	7640.6	7668.92	7667.97	7685.57	7577.73	7588.99	7584.26
G3	7613.92	7589.94	7632.37	7612.68	7659.64	7640.65	7685.87	7584.26	7589.29	7589.74
G4	7575.93	7544.92	7608.24	7574.04	7634.71	7603.1	7656.6	7572.59	7570.5	7593.73
G5	7537.94	7486.44	7568.9	7520.29	7601.11	7555.09	7624.59	7558.38	7552.15	7567.7
G6	7484.49	7417.38	7521.74	7455.97	7550.45	7490.08	7582.86	7520.69	7521.29	7545.77
G7	7416.29	7340.6	7457.62	7382.13	7493.96	7414.19	7522.08	7481.25	7472.68	7494.06
G8	7342.55	7249.31	7380.84	7289.95	7411.85	7330.53	7453.68	7418.33	7407.41	7438.52
G9	7252.9	7149.15	7295.33	7189.93	7328.94	7238.89	7369.87	7344.74	7326.39	7361.74
G10	7153.99	7044.35	7197.81	7098.49	7238.24	7142.32	7283.22	7264.22	7250.96	7281.67
G11	7052.67	6933.56	7095.35	6987.51	7138.38	7043.8	7190.58	7172.68	7158.47	7190.63
G12	6943.83	6831.11	6991.85	6878.37	7039.26	6936.11	7097.4	7083.98	7069.28	7098.54
G13	6833.25	6705.17	6882.36	6764.25	6936.26	6820.94	6990.95	6984.62	6976.24	7002.52
G14	6713.44	6574.44	6763.85	6637.86	6827.62	6697.69	6884.01	6886.0	6868.95	6897.82
G15	6587.55	6444.91	6645.69	6501.75	6703.42	6563.47	6761.01	6771.98	6758.86	6791.92
G16	6453.04	6296.13	6509.32	6356.61	6569.15	6410.16	6624.2	6654.01	6626.79	6663.44
G17	6313.53	6134.29	6369.47	6211.87	6429.95	6271.5	6480.76	6511.17	6491.97	6530.22
G18	6155.78	5977.74	6221.2	6048.64	6282.77	6116.2	6332.13	6370.62	6348.03	6385.73
G19	5994.99	5809.27	6062.8	5879.57	6126.82	5952.31	6181.76	6221.35	6188.39	6228.58
G20	5822.78	5633.47	5895.13	5708.06	5966.37	5780.11	6021.17	6070.43	6035.88	6075.31
G21	5650.18	5445.71	5728.2	5526.08	5797.71	5596.03	5856.04	5917.56	5882.16	5906.89
G22	5466.1	5254.56	5543.08	5329.34	5616.32	5393.16	5679.04	5747.3	5715.64	5745.7
G23	5273.95	5035.43	5348.09	5110.97	5422.73	5168.15	5479.11	5563.13	5520.1	5560.63
G24	5065.0	4806.98	5141.18	4872.4	5210.48	4922.5	5259.24	5360.6	5316.18	5371.92
G25	4851.8	4551.86	4919.71	4614.18	4977.75	4666.58	5015.84	5131.26	5095.96	5155.84
G26	4605.71	4289.41	4670.12	4349.34	4726.76	4391.07	4768.84	4894.13	4848.76	4921.21
G27	4344.0	3998.89	4407.92	4053.13	4458.13	4088.83	4498.51	4638.06	4593.29	4667.58
G28	4064.85	3691.67	4124.13	3736.64	4172.49	3772.93	4205.45	4365.04	4318.13	4408.57
G29	3764.56	3342.21	3819.3	3387.28	3860.58	3420.54	3892.59	4080.16	4025.06	4127.22
G30	3434.25	2969.88	3480.57	3009.51	3515.42	3054.53	3553.41	3750.8	3704.68	3819.05
G31	3067.0	2560.74	3106.83	2592.5	3145.08	2636.88	3189.65	3414.91	3362.46	3485.85
G32	2667.09	2119.8	2712.01	2153.5	2751.7	2207.75	2794.77	3049.6	2992.31	3124.88
G33	2235.22	1650.14	2275.81	1692.07	2318.33	1741.23	2367.34	2651.33	2583.38	2740.28
G34	1769.3	1240.06	1812.08	1290.07	1852.41	1347.6	1907.01	2214.38	2161.33	2311.3
G35	1327.81	955.17	1379.26	995.71	1428.77	1039.93	1484.31	1773.49	1711.67	1867.02
G36	1013.86	774.99	1055.79	803.41	1105.5	836.36	1149.62	1365.2	1315.3	1433.71

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/24 9:44:19

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	7566.51	7545.82	7574.98	7545.67	7576.98	7549.61	7575.28	7548.46	7583.66	7551.35
G1	7581.81	7574.04	7590.84	7579.12	7594.73	7579.12	7593.53	7579.77	7601.36	7588.74
G2	7593.53	7589.69	7597.27	7594.48	7605.9	7591.44	7601.91	7599.61	7604.05	7604.85
G3	7595.97	7599.21	7604.2	7600.21	7597.22	7603.3	7605.45	7603.25	7607.49	7605.85
G4	7581.76	7588.2	7594.23	7601.36	7592.23	7598.02	7593.98	7595.23	7592.68	7594.48
G5	7561.82	7584.26	7577.58	7581.32	7570.6	7585.75	7573.64	7580.47	7553.59	7568.35
G6	7532.55	7554.89	7541.13	7557.38	7532.21	7552.2	7537.59	7545.57	7515.4	7527.62
G7	7479.51	7505.53	7497.21	7508.22	7485.89	7504.48	7483.44	7489.33	7463.55	7477.91
G8	7423.96	7444.66	7438.92	7443.91	7427.25	7443.76	7416.88	7427.75	7398.44	7411.85
G9	7347.38	7374.7	7366.78	7384.28	7347.78	7366.63	7344.64	7351.27	7323.1	7337.01
G10	7270.95	7299.32	7276.78	7289.55	7266.41	7282.97	7255.84	7272.55	7240.64	7252.55
G11	7176.87	7200.75	7180.61	7195.92	7175.12	7190.73	7165.9	7183.35	7153.69	7154.78
G12	7079.9	7096.3	7066.68	7094.16	7069.58	7091.21	7061.3	7080.64	7051.28	7066.24
G13	6978.39	6989.11	6957.75	6977.49	6957.75	6974.7	6948.92	6970.96	6940.79	6955.65
G14	6872.04	6884.4	6843.52	6868.45	6827.52	6858.23	6827.92	6856.68	6820.34	6844.87
G15	6757.27	6767.84	6720.22	6738.57	6703.92	6729.25	6700.13	6730.44	6700.08	6720.32
G16	6628.58	6649.57	6600.31	6613.93	6568.01	6601.71	6571.2	6608.54	6570.75	6597.32
G17	6495.17	6508.83	6467.05	6479.66	6432.0	6463.06	6423.42	6457.62	6432.74	6463.56
G18	6338.51	6365.63	6320.46	6339.91	6292.34	6318.57	6283.47	6312.44	6289.1	6332.03
G19	6187.99	6201.15	6161.47	6187.54	6140.18	6170.74	6125.87	6165.16	6139.88	6190.63
G20	6017.63	6049.44	6001.12	6028.7	5986.17	6013.89	5970.26	6009.9	5985.92	6035.73
G21	5854.09	5883.26	5826.27	5864.07	5813.31	5856.99	5810.62	5851.5	5825.73	5881.37
G22	5685.38	5703.77	5656.36	5686.97	5640.06	5682.23	5640.25	5686.37	5661.64	5719.68
G23	5503.69	5526.93	5469.74	5506.64	5458.82	5500.9	5464.01	5509.88	5485.3	5546.82
G24	5311.04	5341.71	5278.24	5314.58	5268.77	5320.02	5278.39	5334.53	5300.97	5371.87
G25	5099.4	5143.67	5079.06	5121.39	5066.14	5124.93	5076.01	5137.79	5106.33	5173.04
G26	4870.2	4930.18	4868.66	4906.95	4856.74	4909.59	4868.06	4928.34	4901.11	4968.87
G27	4625.4	4698.59	4636.12	4687.77	4634.23	4688.62	4642.5	4705.12	4669.13	4750.0
G28	4364.05	4439.08	4384.79	4448.11	4389.87	4451.7	4402.04	4471.64	4432.1	4512.07
G29	4077.46	4165.61	4105.88	4182.12	4125.33	4196.77	4140.73	4219.76	4169.8	4249.32
G30	3773.18	3867.81	3815.86	3897.43	3837.45	3917.67	3852.16	3938.86	3879.73	3964.39
G31	3439.78	3552.81	3491.44	3585.22	3521.4	3611.64	3547.13	3636.37	3562.53	3651.18
G32	3080.36	3201.36	3145.97	3245.09	3177.08	3276.25	3200.52	3294.9	3210.84	3294.3
G33	2681.25	2823.04	2754.89	2876.49	2792.93	2908.4	2814.72	2915.68	2816.26	2903.81
G34	2256.31	2396.81	2316.64	2457.49	2373.18	2485.76	2388.09	2485.41	2364.2	2453.15
G35	1798.47	1949.99	1874.35	2011.86	1913.49	2038.63	1917.93	2020.04	1875.2	1968.03
G36	1381.01	1500.12	1432.86	1546.44	1458.04	1558.7	1440.94	1527.69	1404.34	1475.59

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/24 9:44:19

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

