

Report No.: KUPU-YT140-30D

Test Time: 2025/9/27 11:07:17

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: GZAILITELED
Luminaire Type: KUPU-YT140
Lamp Type:
Luminous Width: 135 mm
Luminous Length: 135 mm
Luminous Height: 38 mm

Voltage(V): 220.98 V
Current(A): 0.1790 A
Power(W): 35.52 W
Power Factor: 0.8970
Lamp Luminous Flux: 2408.12

Photometric Results

CIE Class: Direct
Luminaire Luminous Flux: 2408.116 lm
Downward Ratio: 100.00%
Luminaire Efficacy Rating(LER): 67.80 lm/W
Beam Angle(50%) C0-180,C90-270: 30.9,30.9
Field Angle(10%) C0-180,C90-270: 57.4,57.4
S/MH C0-180,C90-270: 0.536,0.536

Max. Intensity: 7051.61 cd
Max.Intensity Angle: C=180 Gamma=1
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 7011.83 cd
Effective Luminous Flux: 1973.56 lm
ERP(ϕ use)(120deg): 2277.17 lm

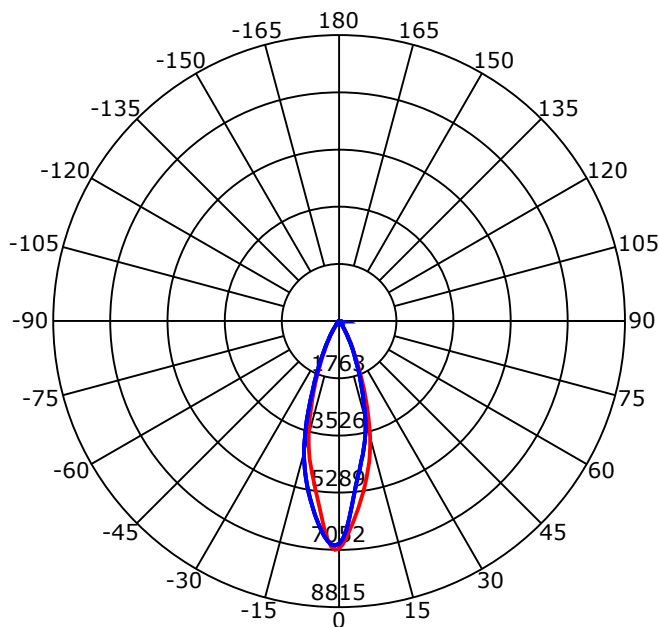
CIE Color Parameter

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



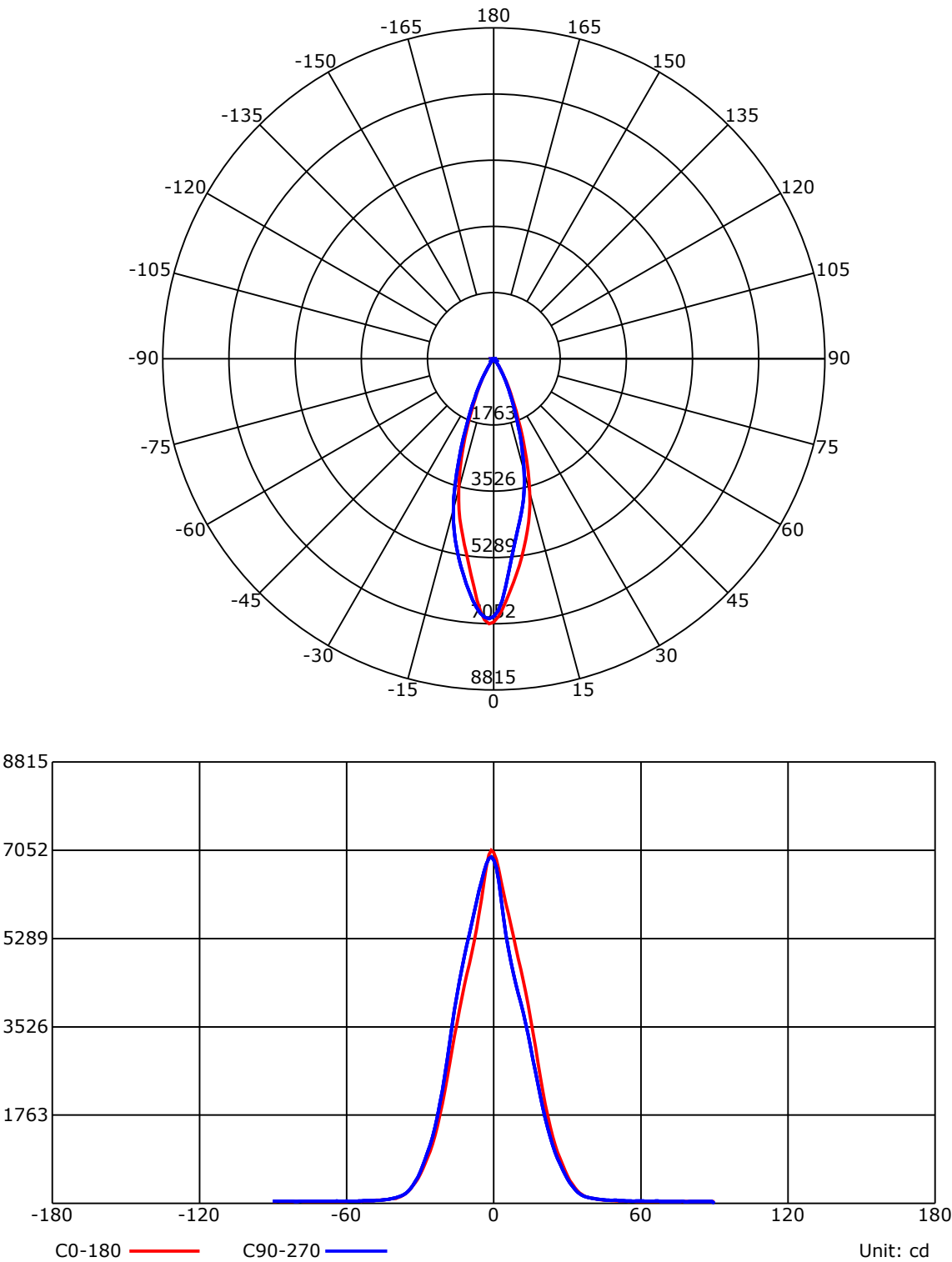
Beam Angle(50%) C0-180,C90-270: 30.9 deg,30.9 deg

C0-180 — C90-270 —

C Range: 0 - 360 Deg
C Interval: 15.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/27 11:07:17

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

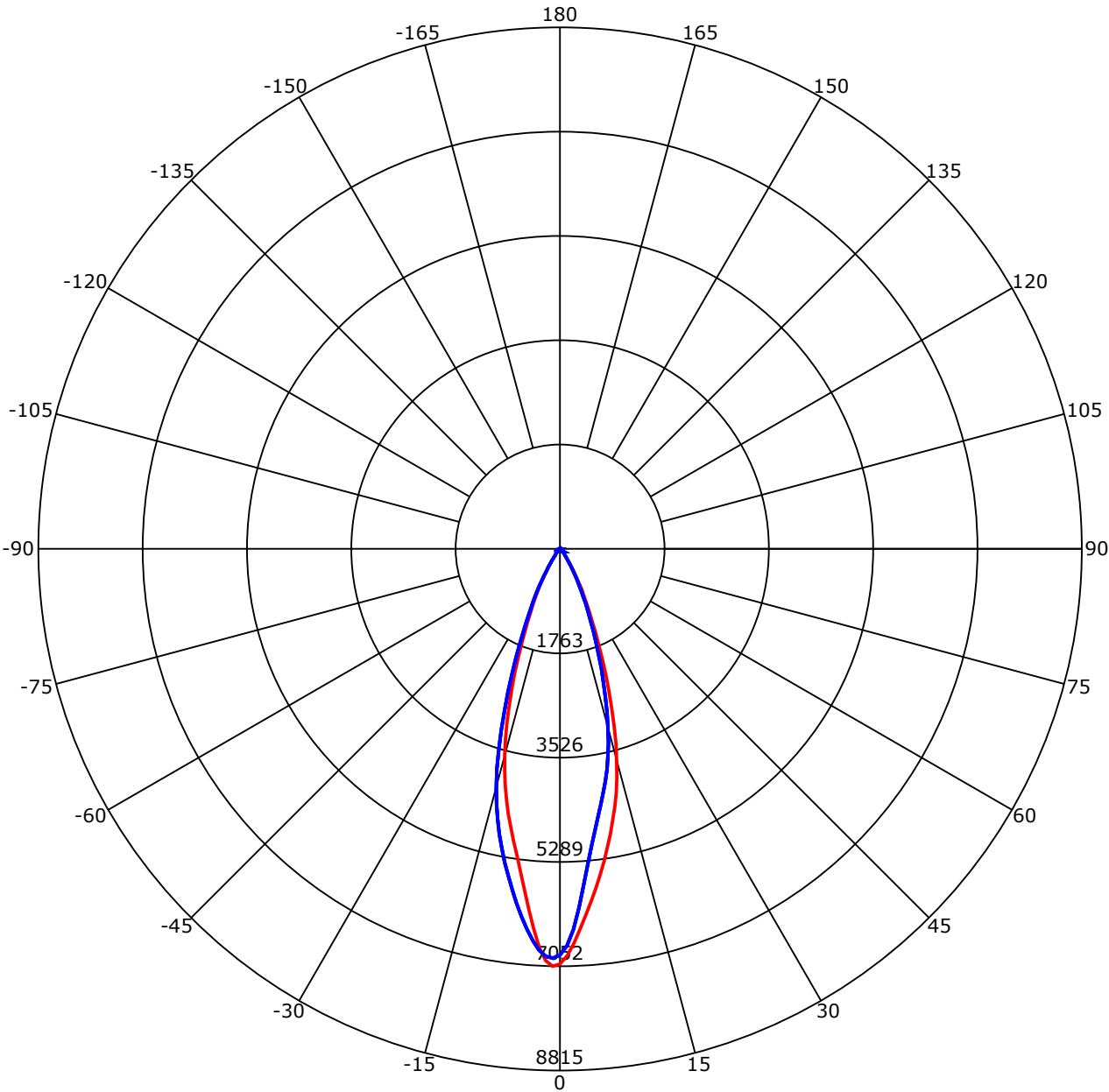
Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg
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Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/27 11:07:17

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

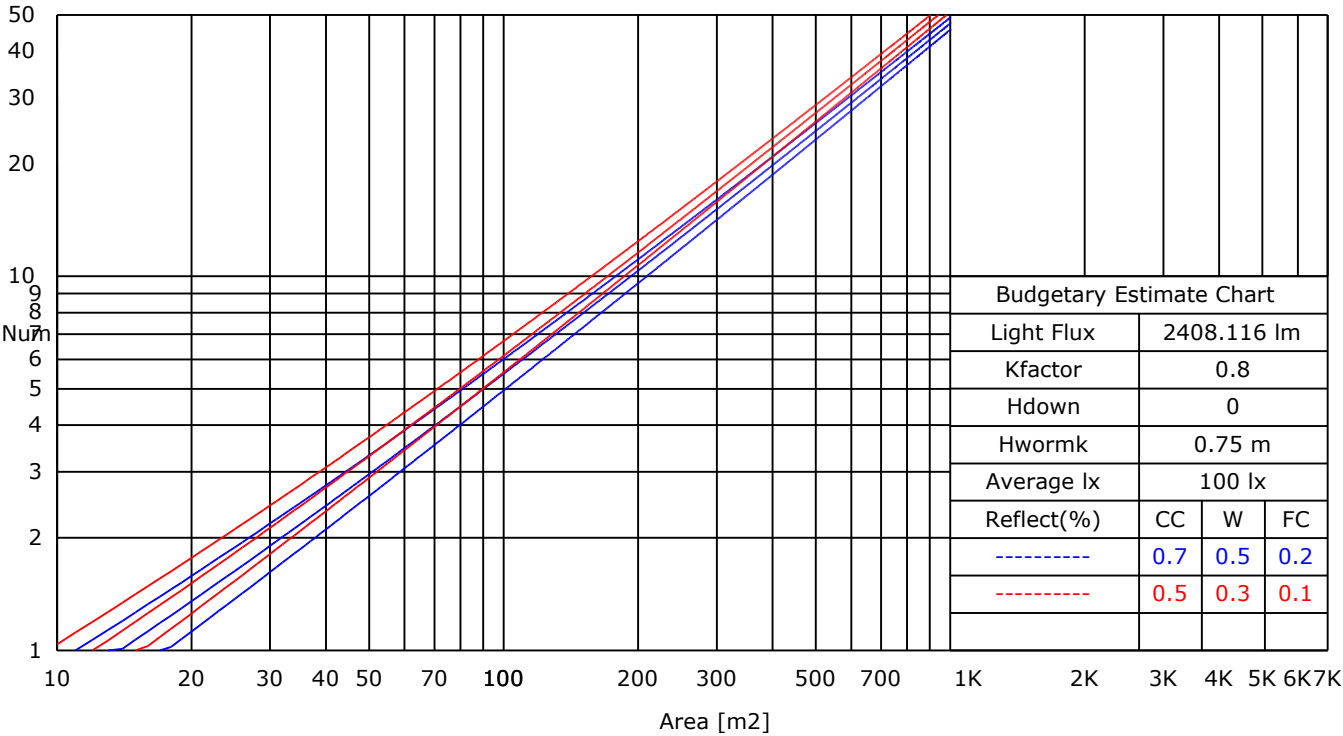
C Range: 0 - 360 Deg
C Interval: 15.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/27 11:07:17

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

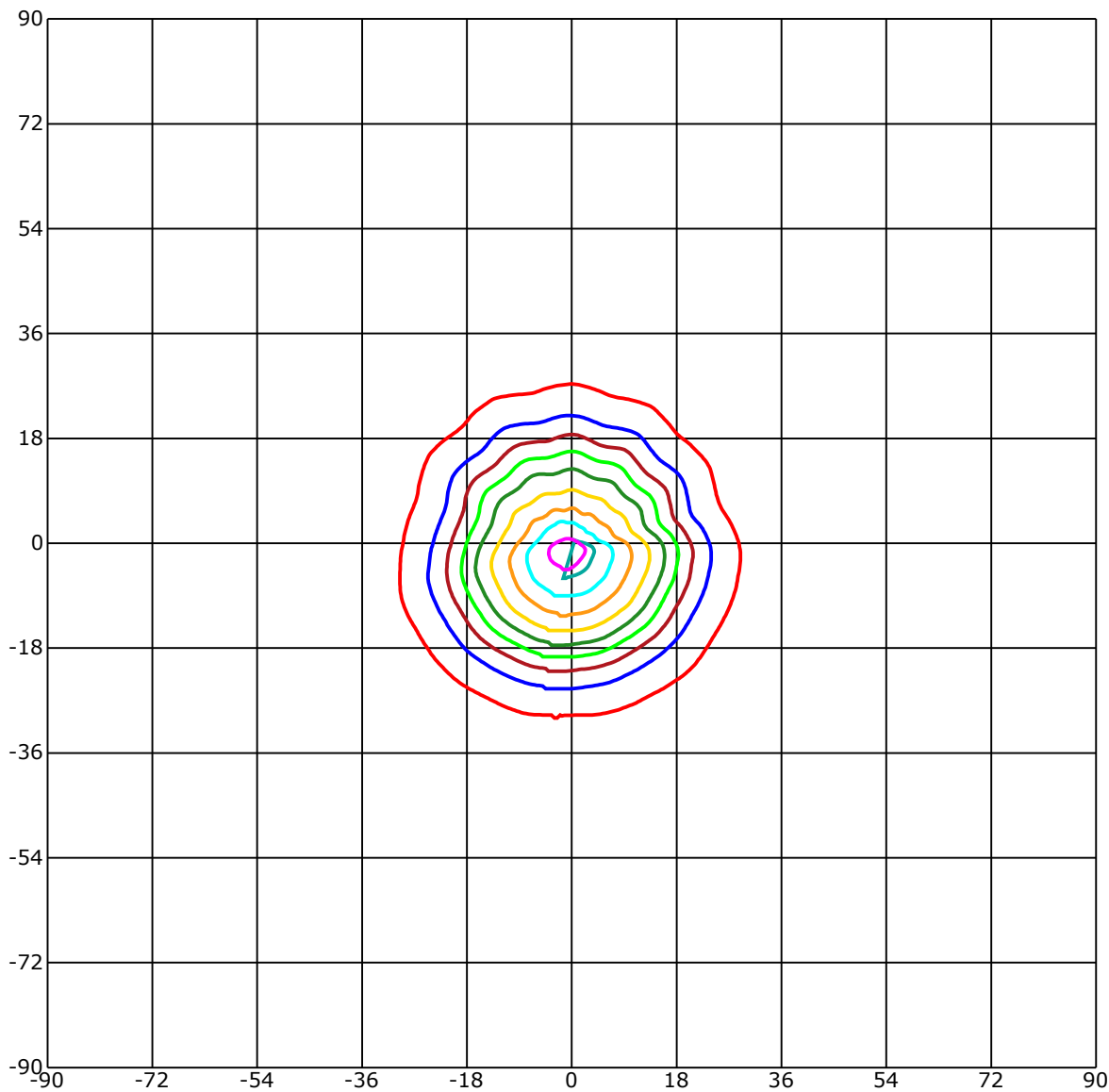
UTILIZATION FACTORS TABLE

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	1.17	1.17	1.17	1.14	1.14	1.14	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.98
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	1.06	1.05	1.04	1.05	1.03	1.02	1.01	0.99	0.98	0.96	0.94	0.93	0.90	0.88	0.86	0.82
3	1.01	1.00	0.99	0.99	0.98	0.97	0.96	0.94	0.92	0.92	0.89	0.87	0.87	0.84	0.82	0.77
4	0.96	0.95	0.94	0.95	0.93	0.92	0.92	0.89	0.87	0.88	0.85	0.83	0.83	0.80	0.78	0.74
5	0.92	0.90	0.89	0.90	0.89	0.87	0.87	0.85	0.83	0.84	0.81	0.79	0.80	0.77	0.74	0.70
6	0.88	0.86	0.85	0.86	0.85	0.83	0.84	0.81	0.79	0.81	0.78	0.75	0.77	0.74	0.71	0.67
7	0.84	0.83	0.82	0.83	0.81	0.80	0.80	0.78	0.76	0.78	0.74	0.72	0.75	0.71	0.68	0.64
8	0.81	0.79	0.79	0.80	0.78	0.77	0.77	0.75	0.73	0.75	0.72	0.69	0.72	0.68	0.65	0.62
9	0.78	0.76	0.76	0.77	0.75	0.74	0.75	0.72	0.70	0.72	0.69	0.66	0.70	0.66	0.63	0.59
10	0.75	0.73	0.73	0.74	0.72	0.71	0.72	0.69	0.68	0.70	0.66	0.64	0.67	0.63	0.60	0.57

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



ISOCANDELA DIAGRAM (RECTANGULAR)



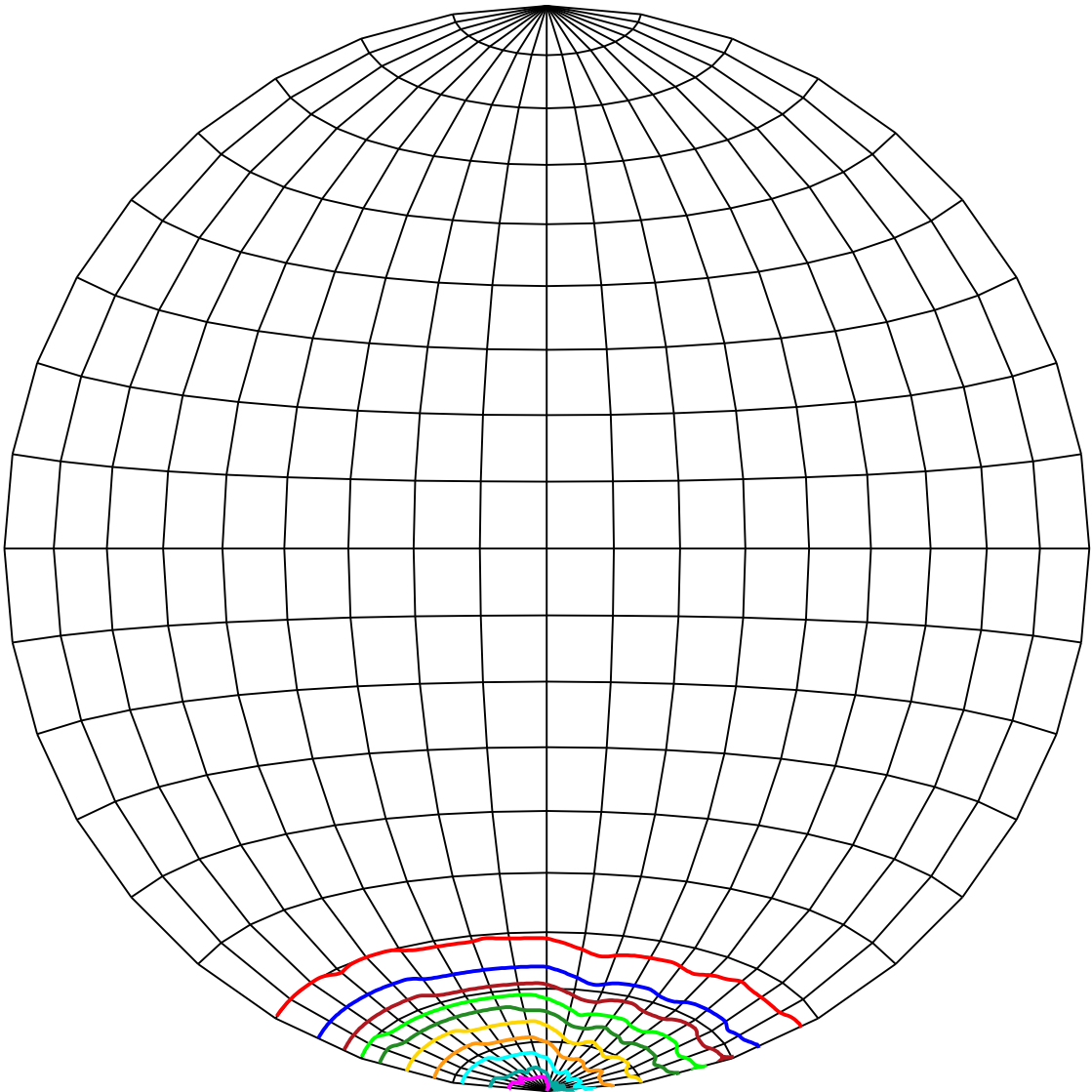
Unit of intensity:cd Imax(100%): 7051.613 cd

- | | |
|-------------------|-------------------|
| 6699.032(95%Imax) | 3525.806(50%Imax) |
| 6346.451(90%Imax) | 2820.645(40%Imax) |
| 5641.291(80%Imax) | 2115.484(30%Imax) |
| 4936.129(70%Imax) | 1410.323(20%Imax) |
| 4230.968(60%Imax) | 705.161(10%Imax) |

C Range: 0 - 360 Deg
C Interval: 15.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/27 11:07:17

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)



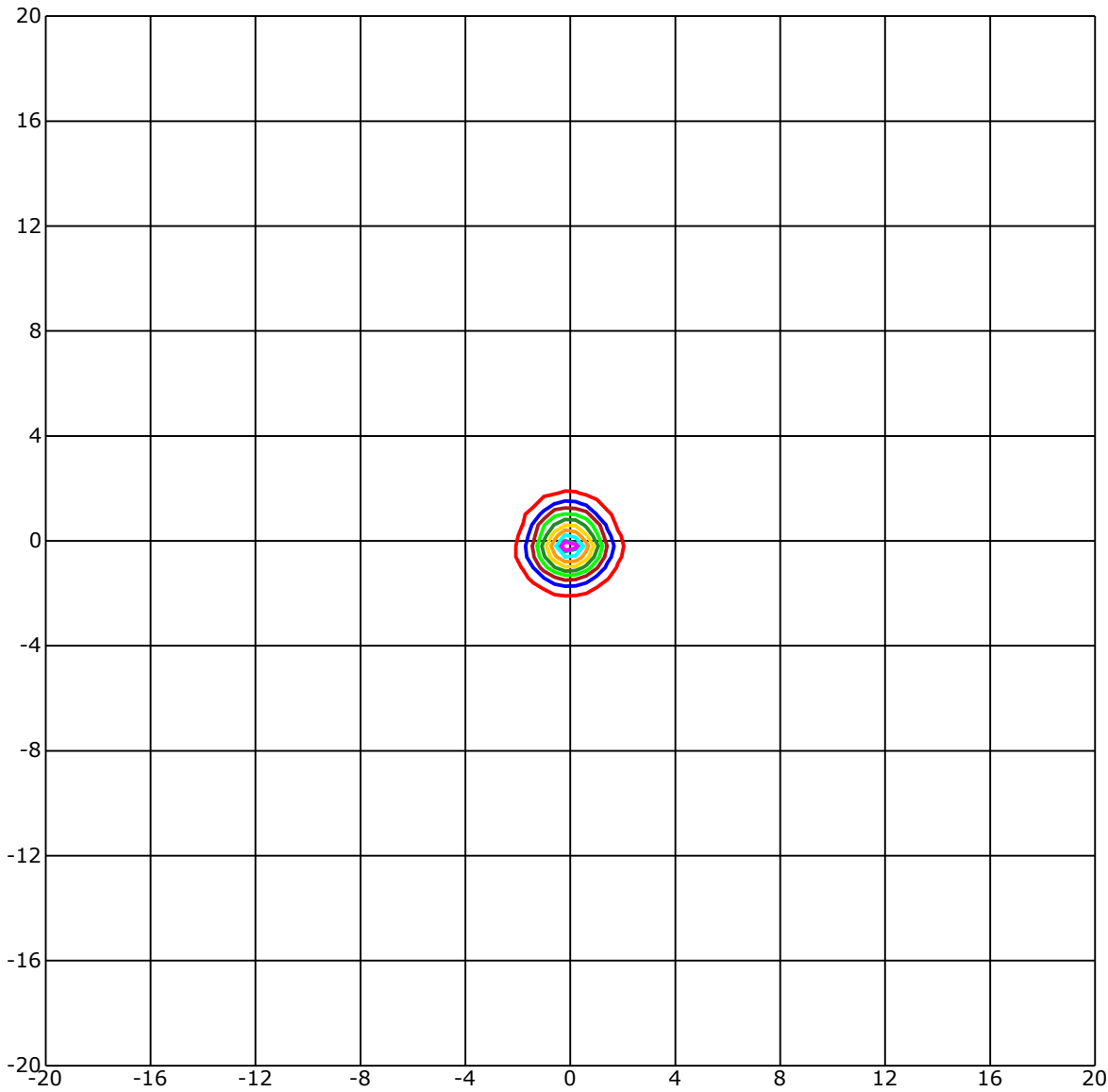
Unit of intensity:cd I_{max}(100%): 7051.613 cd

6699.032(95%I _{max})	3525.806(50%I _{max})
6346.451(90%I _{max})	2820.645(40%I _{max})
5641.291(80%I _{max})	2115.484(30%I _{max})
4936.129(70%I _{max})	1410.323(20%I _{max})
4230.968(60%I _{max})	705.161(10%I _{max})

C Range: 0 - 360 Deg
C Interval: 15.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/27 11:07:17

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



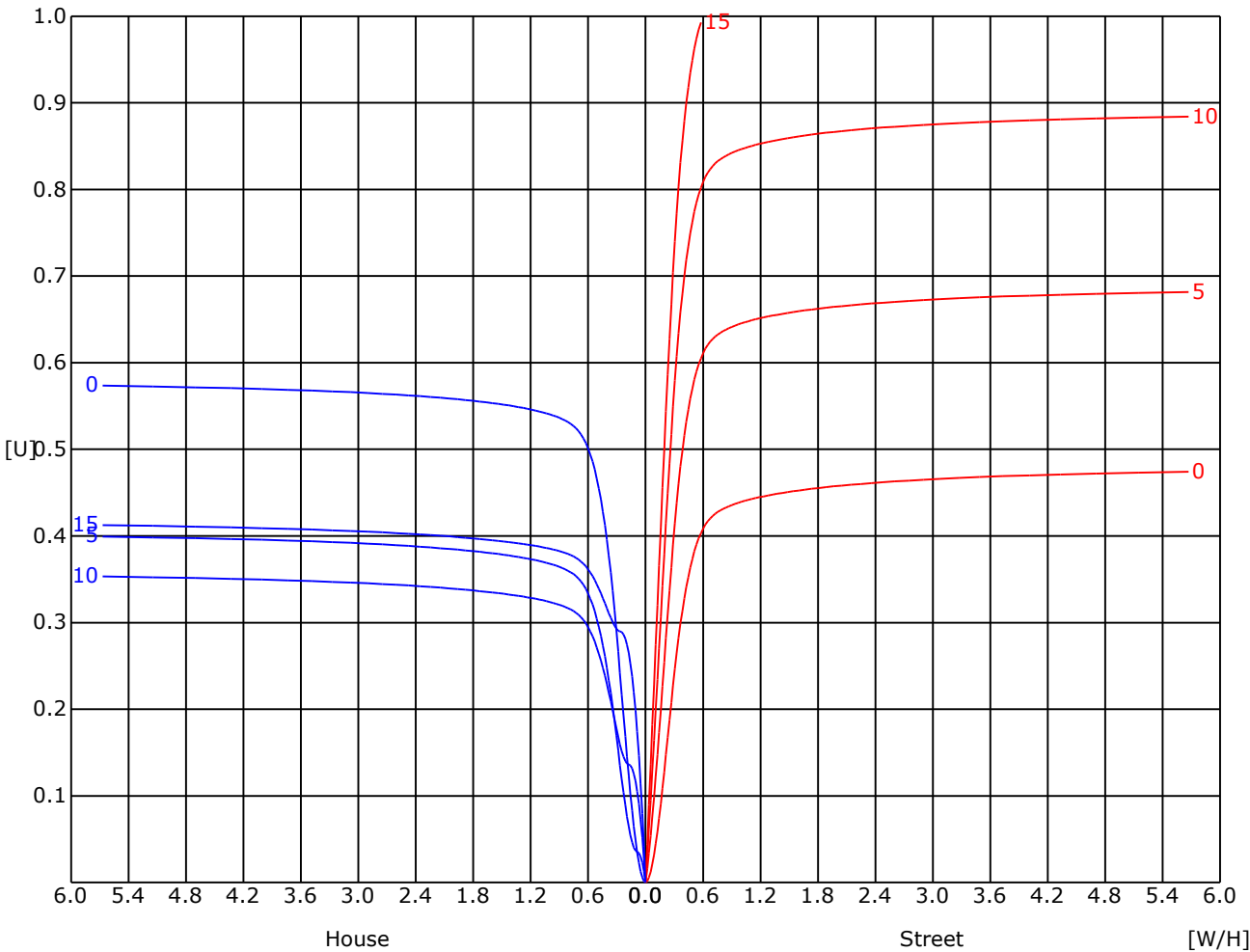
Unit of illumination:lx Height of plane:4.0(m)/13.12(ft)

405.283(92%Emax)	220.262(50%Emax)
396.472(90%Emax)	176.21(40%Emax)
352.42(80%Emax)	132.157(30%Emax)
308.367(70%Emax)	88.105(20%Emax)
264.315(60%Emax)	44.052(10%Emax)

C Range: 0 - 360 Deg
C Interval: 15.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/27 11:07:17

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)

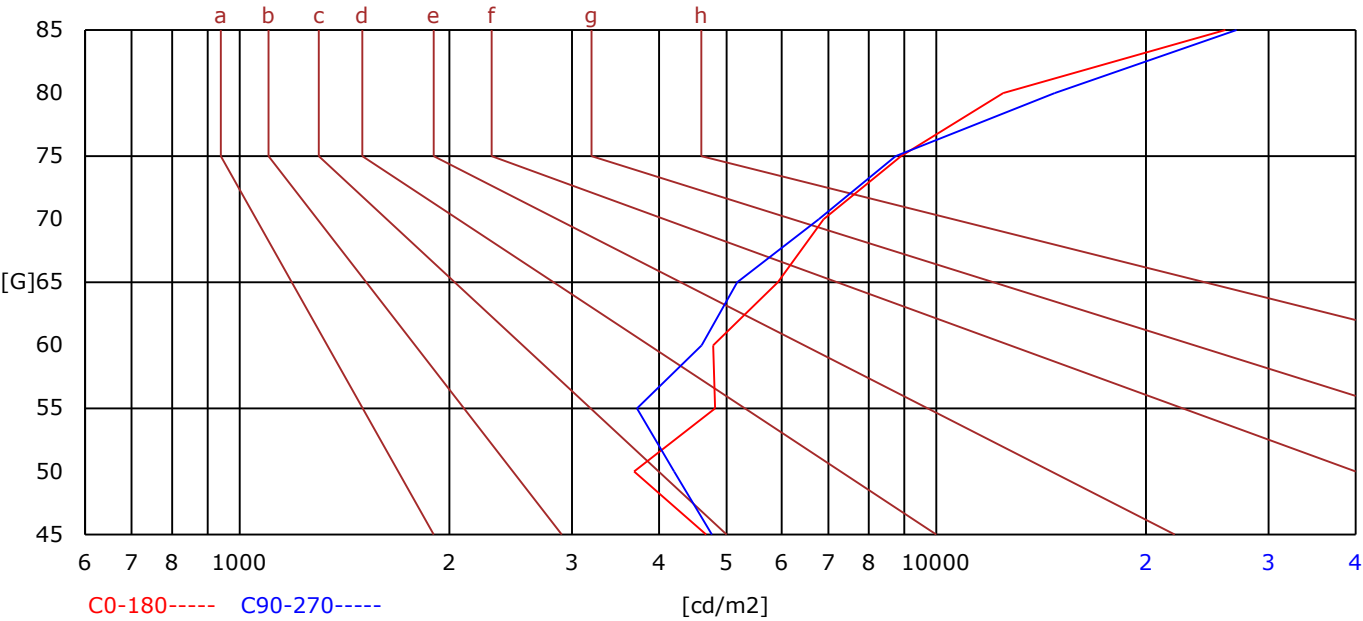


C Range: 0 - 360 Deg
C Interval: 15.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/27 11:07:17

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

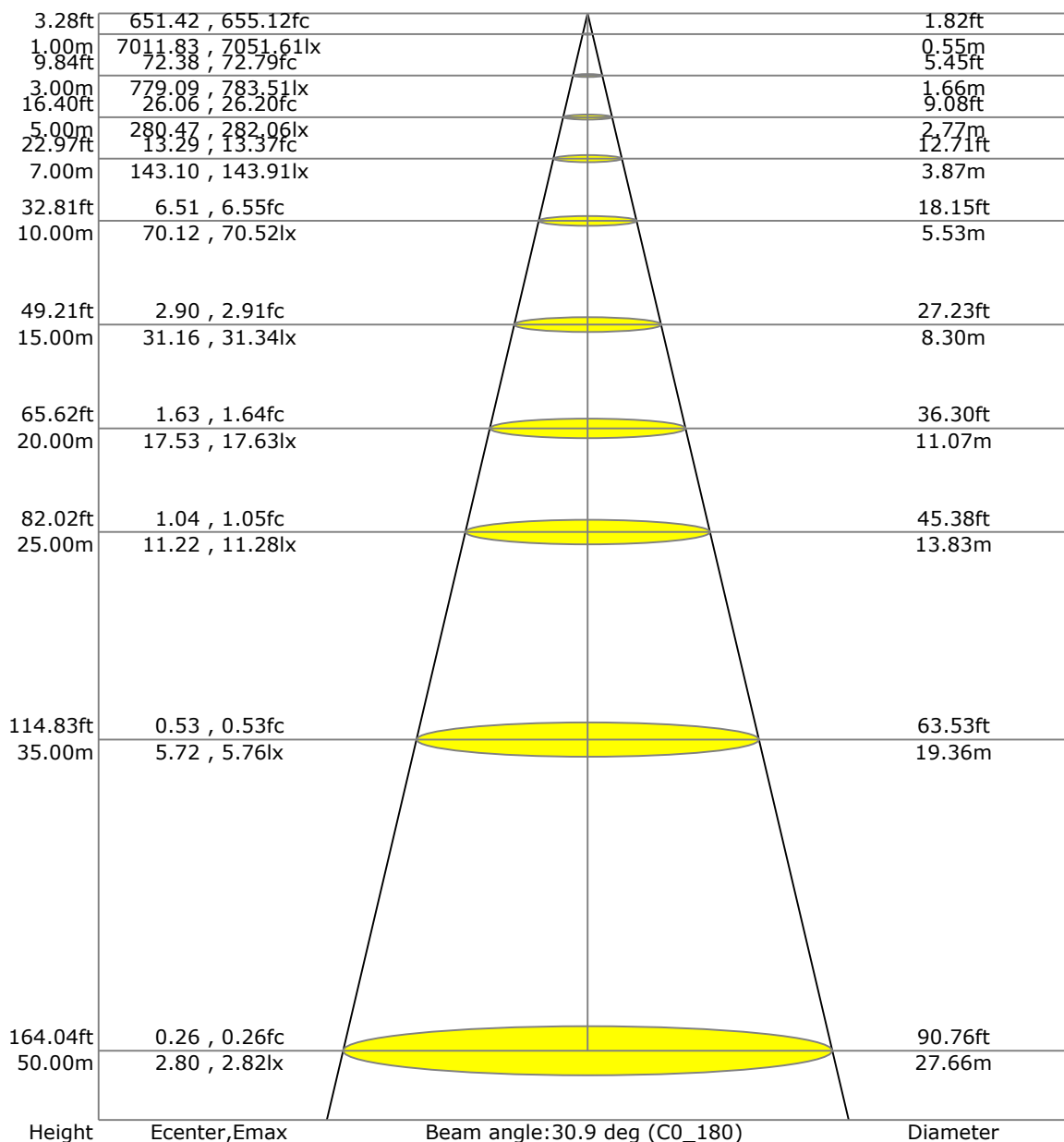
C/G	45	50	55	60	65	70	75	80	85
C0	4673	3682	4813	4786	5923	6889	8900	12479	26008
C90	4766	4205	3718	4607	5177	6781	8748	14793	26973
Dazzle	Quality	Illuminance	---	---	---	---	---	---	---
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
---	---	a	b	c	d	e	f	g	h



Report No.: KUPU-YT140-30D

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LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 15.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/27 11:07:17

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

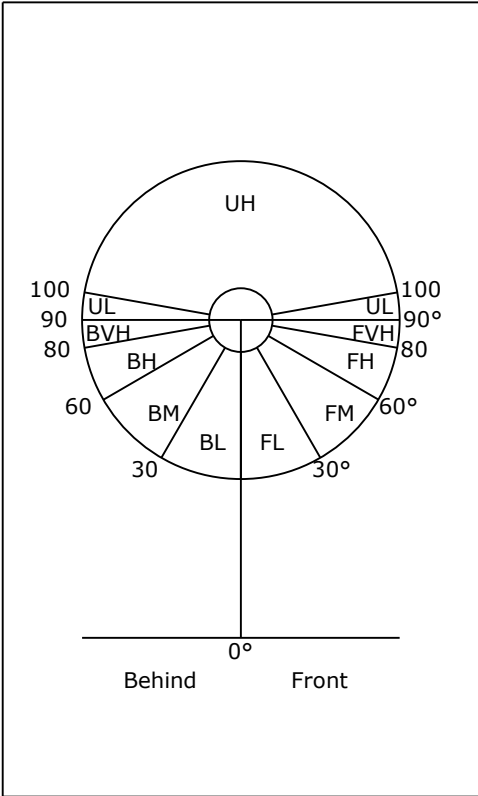
Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	1055.2	43.8
FL (0°-30°)	878.2	36.5
FM (30°-60°)	110.8	4.6
FH (60°-80°)	43.7	1.8
FVH (80°-90°)	22.6	0.9

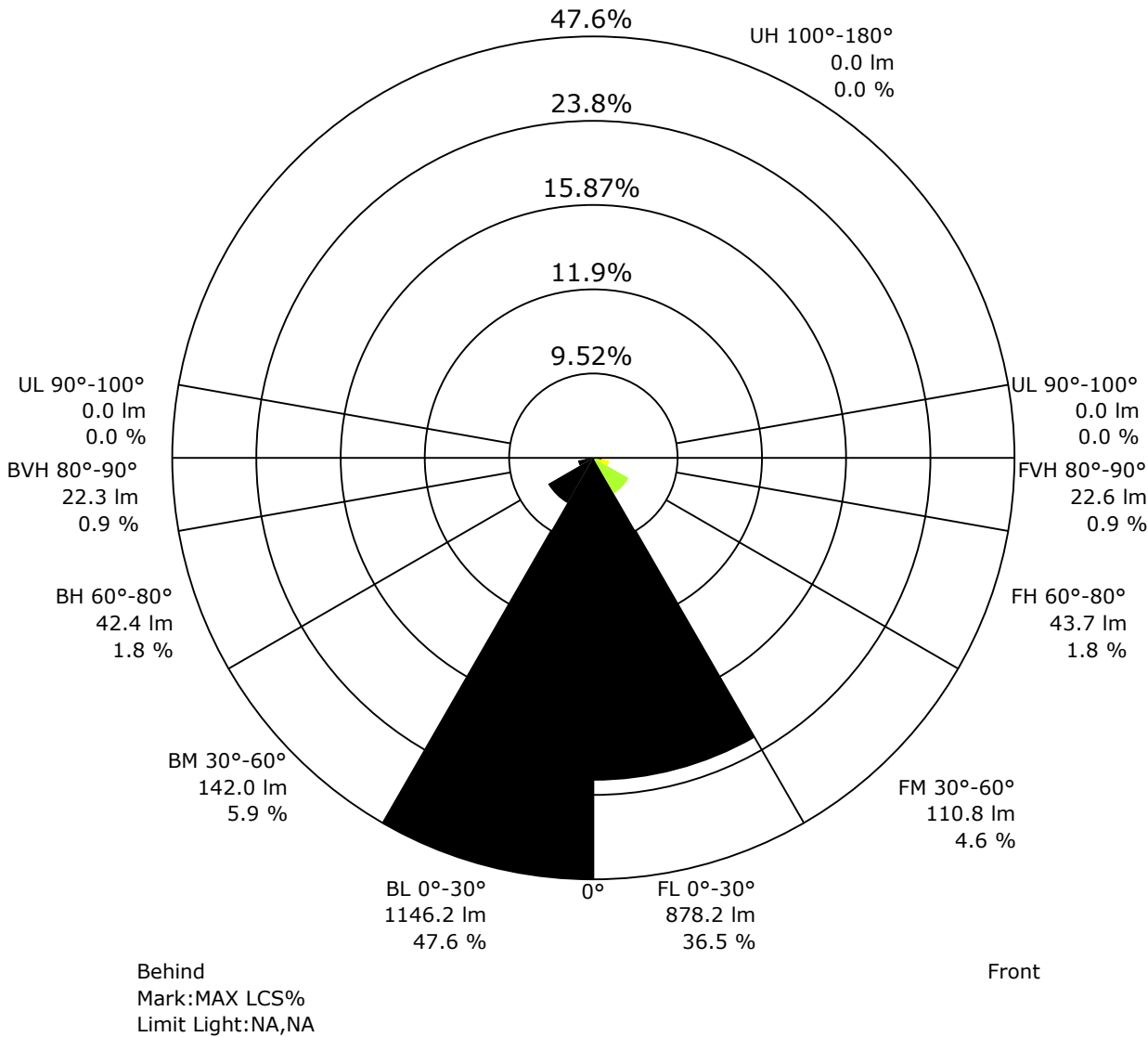
Behind	1352.9	56.2
BL (0°-30°)	1146.2	47.6
BM (30°-60°)	142.0	5.9
BH (60°-80°)	42.4	1.8
BVH (80°-90°)	22.3	0.9

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

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

LCS 图





UGR(Unified Glare Rating) TABLE

RHOCC	70	70	50	50	30	70	70	50	50	30
RHOW	50	30	50	30	30	50	30	50	30	30
RHOF	20	20	20	20	20	20	20	20	20	20
Room Size X Y	Viewed Endwise					Viewed Crosswise				
2H 2H	11.54	11.77	11.83	12.20	12.72	11.80	12.03	12.08	12.46	12.97
3H	11.70	11.92	12.00	12.35	12.88	11.90	12.12	12.20	12.55	13.08
4H	11.75	11.96	12.05	12.39	12.93	11.93	12.15	12.24	12.58	13.11
6H	11.74	11.94	12.05	12.38	12.91	11.91	12.12	12.23	12.55	13.09
8H	11.69	11.89	12.01	12.32	12.87	11.86	12.06	12.18	12.50	13.04
12H	11.64	11.83	11.96	12.27	12.81	11.81	12.01	12.14	12.44	12.99
4H 2H	15.54	15.75	15.84	16.18	16.72	15.68	15.90	15.99	16.33	16.86
3H	15.98	16.17	16.30	16.61	17.16	16.14	16.34	16.47	16.77	17.32
4H	16.17	16.36	16.51	16.79	17.35	16.31	16.50	16.65	16.93	17.49
6H	16.33	16.51	16.68	16.94	17.51	16.42	16.60	16.77	17.03	17.60
8H	16.39	16.55	16.74	16.98	17.56	16.46	16.63	16.82	17.06	17.64
12H	16.38	16.53	16.74	16.97	17.55	16.46	16.61	16.82	17.05	17.63
8H 4H	18.27	18.47	18.59	18.91	19.45	18.29	18.49	18.61	18.92	19.46
6H	19.85	19.99	20.22	20.43	21.02	19.96	20.11	20.34	20.54	21.13
8H	20.04	20.18	20.43	20.61	21.21	20.14	20.28	20.52	20.71	21.31
12H	20.17	20.29	20.56	20.72	21.33	20.27	20.39	20.66	20.82	21.43
12H 4H	20.80	20.95	21.16	21.39	21.97	20.76	20.91	21.12	21.35	21.93
6H	21.37	21.50	21.75	21.93	22.53	21.31	21.44	21.69	21.88	22.48

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	C15	C30	C45	C60	C75	C90	C105	γ	φ zonal	φ total	%lum	%lamp
10	4888.6	4097.7	4306.1	3945.3	4179.0	3903.3	4189.1	3973.8	10	524.9	524.9	21.8	21.8
20	2245.0	1517.8	1797.8	1505.8	1814.6	1576.9	1910.7	1684.2	20	956.9	1481.9	61.5	61.5
30	554.1	319.6	424.5	331.9	445.1	362.9	491.3	405.5	30	542.5	2024.4	84.1	84.1
40	101.7	79.7	92.5	83.5	97.4	81.7	104.2	87.6	40	154.3	2178.7	90.5	90.5
50	49.6	43.1	54.1	50.1	53.7	50.2	62.9	49.3	50	55.7	2234.3	92.8	92.8
60	39.3	43.6	40.9	45.2	45.4	45.5	47.7	42.0	60	42.8	2277.2	94.6	94.6
70	39.3	42.9	39.8	41.4	45.9	42.6	40.4	42.3	70	42.1	2319.3	96.3	96.3
80	38.7	39.5	39.0	41.0	44.5	46.5	36.3	46.8	80	44.0	2363.3	98.1	98.1
90	34.0	43.6	0.0	42.4	0.0	49.3	0.0	43.9	90	44.8	2408.1	100.0	100.0

Conical surface Flux(90deg) : 2209.8 lm

%lum = 91.8%

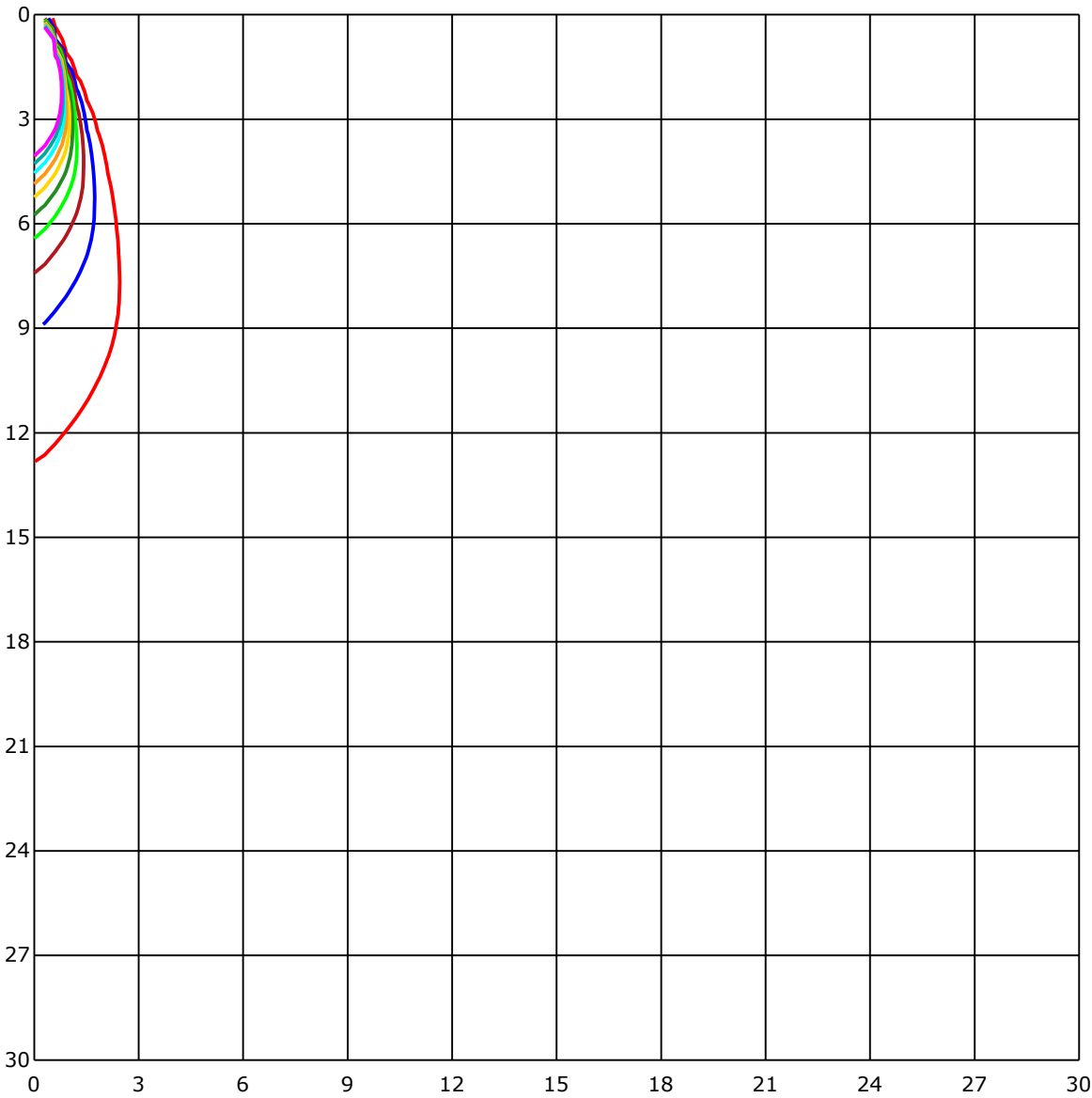
%lamp = 91.8%

Conical surface Flux(120deg) : 2277.2 lm

%lum = 94.6%

%lamp = 94.6%

SPACE ISOLX DIAGRAM



Unit of illumination:lx

- | | |
|---------|---------|
| 425.433 | 212.717 |
| 382.89 | 170.173 |
| 340.347 | 127.63 |
| 297.803 | 85.087 |
| 255.26 | 42.543 |

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C15	C30	C45	C60	C75	C90	C105	C120	C135
G0	7011.83	6511.26	6800.3	6497.81	6835.72	6566.88	6861.52	6704.41	6916.96	6862.48
G1	6870.71	6221.89	6577.37	6166.12	6622.94	6227.05	6704.41	6433.8	6831.56	6651.9
G2	6666.45	5933.66	6296.94	5833.61	6295.13	5860.71	6436.87	6062.62	6647.78	6332.66
G3	6430.41	5676.36	5974.35	5531.17	5934.47	5518.44	6070.57	5688.81	6324.28	5963.91
G4	6206.23	5433.32	5682.49	5253.09	5609.96	5209.96	5704.94	5341.13	5948.17	5591.39
G5	5982.06	5203.31	5422.08	5018.82	5312.02	4945.82	5359.03	5041.7	5583.49	5262.62
G6	5768.08	4974.4	5180.95	4780.76	5045.58	4711.88	5062.72	4781.67	5241.94	4980.14
G7	5551.28	4752.23	4951.28	4564.68	4807.95	4495.36	4811.69	4563.72	4951.71	4746.54
G8	5334.33	4534.28	4730.79	4364.15	4588.8	4292.54	4587.51	4361.23	4709.1	4523.46
G9	5107.81	4320.45	4511.3	4158.69	4381.96	4100.1	4383.97	4170.09	4494.79	4324.85
G10	4888.61	4097.71	4306.09	3945.29	4179.04	3903.31	4189.09	3973.77	4294.21	4129.45
G11	4667.6	3865.92	4088.23	3720.97	3972.05	3696.03	3999.14	3781.81	4100.48	3929.16
G12	4444.76	3609.05	3856.68	3475.3	3755.82	3471.43	3806.18	3558.69	3907.09	3708.43
G13	4215.56	3334.85	3625.57	3217.19	3530.83	3232.8	3589.67	3333.47	3705.22	3494.4
G14	3973.63	3046.1	3362.28	2949.65	3291.15	2979.9	3372.53	3087.03	3488.61	3244.95
G15	3696.51	2760.61	3085.98	2686.12	3039.54	2729.49	3127.15	2840.41	3247.01	2999.05
G16	3420.54	2481.53	2807.33	2426.57	2781.62	2476.79	2871.33	2593.25	3009.82	2747.87
G17	3118.19	2214.56	2540.6	2175.97	2528.53	2235.76	2620.4	2350.12	2762.09	2494.21
G18	2810.63	1961.13	2274.63	1937.82	2273.96	2004.22	2375.97	2115.9	2510.49	2247.01
G19	2520.49	1733.75	2026.19	1715.03	2040.74	1777.12	2140.6	1893.59	2265.06	2014.27
G20	2245.05	1517.81	1797.75	1505.84	1814.56	1576.93	1910.68	1684.16	2031.31	1791.43
G21	1985.55	1324.7	1575.01	1316.9	1604.36	1382.91	1702.16	1490.05	1814.65	1582.72
G22	1744.57	1152.08	1374.73	1140.79	1405.41	1205.84	1492.63	1306.23	1605.94	1388.32
G23	1528.92	1003.74	1205.27	1000.15	1232.17	1052.56	1320.54	1141.31	1414.6	1209.62
G24	1338.15	878.84	1056.78	866.83	1080.61	916.42	1161.04	995.65	1250.03	1054.48
G25	1172.24	769.56	929.92	768.98	947.15	804.98	1021.93	873.53	1098.28	925.23
G26	1026.14	665.82	811.87	671.28	828.44	707.04	896.84	770.27	959.55	814.22
G27	895.6	568.65	696.75	577.74	721.21	619.72	782.38	673.29	841.12	714.65
G28	777.45	475.25	596.94	487.89	619.39	525.56	676.26	580.9	729.44	621.73
G29	660.08	390.62	505.27	405.94	535.19	442.03	580.71	492.87	632.5	533.22
G30	554.09	319.58	424.51	331.93	445.09	362.9	491.29	405.51	540.35	446.1
G31	462.09	263.33	353.95	270.18	373.77	298.32	413.36	335.04	449.35	370.51
G32	386.07	211.78	292.01	218.53	310.1	241.65	344.47	273.96	386.12	300.57
G33	316.47	178.03	239.11	181.09	255.15	198.13	283.96	222.74	320.63	243.23
G34	256.97	141.89	197.61	153.28	206.32	163.43	232.22	183.72	263.48	199.23
G35	209.14	131.69	165.39	131.88	176.3	139.68	192.96	154.14	213.16	165.96
G36	179.18	106.27	141.36	116.28	150.79	121.02	163.19	132.17	175.4	141.17

C Range: 0 - 360 Deg

C Interval: 15.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/27 11:07:17

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	C15	C30	C45	C60	C75	C90	C105	C120	C135
G37	144.57	103.64	124.8	105.07	132.89	107.13	139.88	116.23	147.77	122.4
G38	125.95	94.06	111.49	99.14	110.77	96.94	125.04	103.83	127.72	108.28
G39	111.97	86.6	101.39	89.61	107.66	88.37	113.55	95.02	112.73	97.65
G40	101.72	79.66	92.53	83.53	97.37	81.71	104.16	87.6	101.77	88.7
G41	93.39	80.23	90.67	78.41	93.39	76.59	96.65	81.19	93.11	81.33
G42	85.73	69.22	78.84	73.53	87.98	72.14	89.28	66.78	86.07	73.86
G43	78.36	65.29	73.58	69.41	76.54	69.12	82.48	69.94	79.99	68.88
G44	72.19	62.42	69.75	65.68	71.9	65.68	76.21	64.77	74.53	69.51
G45	66.49	60.22	66.2	62.47	67.93	62.76	71.57	61.42	70.23	61.08
G46	61.9	58.31	63.48	56.73	64.91	52.37	67.5	58.07	66.16	58.5
G47	57.87	56.63	61.27	56.34	62.42	56.73	63.43	55.58	62.09	56.49
G48	55.05	56.01	59.02	54.05	62.18	54.48	60.36	52.85	58.98	54.52
G49	52.08	54.72	56.92	52.18	58.35	52.37	65.01	50.79	55.91	53.09
G50	49.64	43.13	54.14	50.12	53.66	50.17	62.9	49.26	53.37	52.23
G51	48.25	42.27	51.36	48.83	56.1	48.59	53.95	47.58	51.41	52.37
G52	46.82	45.05	49.11	47.53	45.09	47.49	52.08	46.77	49.74	50.98
G53	46.1	48.64	47.34	46.82	54.0	46.72	55.77	46.24	54.0	49.74
G54	45.76	47.49	45.72	46.29	52.51	46.34	49.93	45.91	47.58	47.87
G55	37.34	50.31	44.23	45.86	50.6	46.34	49.74	38.87	47.2	46.63
G56	44.18	45.24	43.37	45.72	49.59	45.67	48.92	45.91	46.86	48.11
G57	43.13	44.23	42.6	45.91	47.97	46.43	44.42	45.24	46.34	44.95
G58	41.31	43.9	41.93	46.05	46.58	46.29	48.64	44.33	46.34	50.41
G59	40.16	43.61	46.39	46.0	45.67	46.15	48.3	42.8	46.19	43.42
G60	39.3	43.61	40.88	45.19	45.38	45.48	47.68	41.98	45.38	49.88
G61	38.68	43.51	40.64	44.57	44.95	38.58	46.77	41.17	44.42	49.16
G62	37.96	43.71	40.83	43.27	44.76	42.7	45.33	40.74	46.63	43.9
G63	37.53	41.31	40.88	42.7	44.81	44.66	44.28	39.88	42.41	44.33
G64	37.34	45.28	41.12	42.08	45.09	42.51	43.94	39.83	42.27	45.33
G65	37.19	45.62	41.26	41.79	45.05	41.98	42.65	39.88	42.08	45.72
G66	37.87	45.86	41.79	41.26	39.78	41.84	47.34	39.73	42.22	45.52
G67	38.39	45.05	41.62	41.41	37.67	41.6	47.39	44.71	42.41	45.0
G68	38.39	44.28	41.46	41.31	46.58	41.74	40.88	40.93	42.6	44.47
G69	39.54	43.85	40.98	47.39	46.72	42.13	40.26	41.36	41.55	43.42
G70	39.25	42.94	39.83	41.36	45.86	42.56	40.4	42.27	44.23	47.92
G71	38.99	46.72	39.25	41.84	45.19	42.94	40.02	42.84	44.61	49.16
G72	38.73	42.27	38.92	42.6	44.61	43.71	39.64	42.65	45.05	42.8
G73	38.25	48.2	38.49	43.47	43.56	44.42	40.16	42.32	45.09	42.6

C Range: 0 - 360 Deg

C Interval: 15.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/27 11:07:17

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 2)

[illegible]

C Range: 0 - 360 Deg
C Interval: 15.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/27 11:07:17

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	C150	C165	C180	C195	C210	C225	C240	C255	C270	C285
G0	6969.09	6992.02	7011.83	6511.26	6800.3	6497.81	6835.72	6566.88	6861.52	6704.41
G1	6965.21	6835.53	7051.61	6770.76	6939.6	6770.47	6945.82	6813.17	6916.57	6876.46
G2	6824.71	6556.16	6961.14	6927.82	6976.41	6934.67	6951.52	6924.23	6887.47	6910.21
G3	6562.29	6218.68	6739.6	6958.41	6915.81	6967.75	6882.35	6918.01	6787.04	6826.91
G4	6220.88	5860.32	6429.35	6855.54	6752.47	6876.07	6728.25	6803.65	6630.41	6669.8
G5	5858.65	5546.87	6092.01	6631.22	6526.19	6678.04	6525.14	6612.46	6445.72	6463.0
G6	5507.52	5268.51	5779.57	6336.34	6260.95	6428.4	6305.56	6394.12	6245.63	6254.44
G7	5210.11	5030.55	5487.75	6017.19	5982.39	6157.26	6069.56	6158.22	6030.65	6035.05
G8	4957.4	4796.32	5236.39	5717.34	5719.06	5891.73	5836.96	5924.28	5813.17	5813.36
G9	4728.92	4584.98	5003.26	5449.22	5469.61	5639.07	5602.74	5693.5	5594.55	5590.53
G10	4513.84	4366.26	4781.34	5209.58	5241.99	5400.1	5379.9	5461.76	5378.47	5363.24
G11	4307.52	4153.86	4568.22	4988.37	5022.89	5165.3	5149.65	5234.38	5154.87	5139.21
G12	4101.39	3930.16	4349.46	4765.83	4798.91	4939.88	4926.86	5008.96	4930.31	4915.13
G13	3893.97	3692.63	4110.82	4549.79	4574.64	4715.56	4702.16	4789.38	4691.2	4682.63
G14	3667.5	3435.72	3869.85	4321.83	4345.1	4487.99	4461.85	4551.61	4443.81	4437.2
G15	3428.58	3172.05	3609.0	4081.34	4104.7	4237.34	4216.09	4280.0	4171.62	4166.31
G16	3175.4	2911.4	3340.41	3827.77	3848.55	3969.03	3941.41	3989.33	3867.89	3877.03
G17	2911.49	2634.14	3068.31	3562.91	3565.35	3681.67	3632.7	3681.57	3542.75	3552.57
G18	2654.24	2377.55	2784.78	3277.84	3265.97	3373.63	3311.01	3351.51	3209.63	3201.82
G19	2395.98	2127.67	2511.97	2997.99	2954.15	3071.23	2991.34	3024.85	2875.35	2870.8
G20	2149.4	1883.15	2244.67	2720.4	2674.01	2773.34	2681.24	2703.79	2563.24	2552.95
G21	1918.0	1663.33	1995.36	2441.12	2391.24	2480.86	2387.7	2406.37	2263.48	2265.15
G22	1693.35	1454.81	1754.86	2178.84	2137.77	2195.84	2100.24	2121.69	1986.89	1987.17
G23	1488.61	1268.36	1538.44	1934.85	1883.78	1944.62	1845.62	1868.03	1735.95	1737.25
G24	1312.74	1102.68	1347.97	1699.48	1646.1	1697.9	1612.54	1626.86	1521.74	1522.45
G25	1147.2	961.94	1186.84	1489.95	1434.37	1485.45	1406.08	1421.93	1328.58	1332.03
G26	1005.94	845.33	1041.22	1301.2	1256.44	1287.8	1232.12	1236.34	1166.54	1160.22
G27	879.9	742.51	912.97	1129.87	1099.0	1123.55	1078.22	1083.01	1020.59	1018.43
G28	767.93	645.76	793.68	992.87	960.27	980.33	928.01	947.68	881.67	894.4
G29	665.3	555.0	684.16	867.88	833.27	861.75	807.52	826.04	753.14	769.51
G30	568.6	466.78	582.62	757.68	714.98	747.01	686.21	707.66	631.45	655.29
G31	485.78	384.35	493.25	657.49	605.94	635.19	576.02	601.39	525.99	550.46
G32	411.63	315.94	414.41	560.6	510.39	542.56	484.73	498.28	437.63	459.41
G33	343.8	255.96	351.41	472.62	434.18	444.76	403.35	405.94	360.8	370.99
G34	284.01	209.72	282.62	389.95	361.03	370.27	332.55	337.58	295.98	301.63
G35	231.79	174.39	236.09	321.97	296.6	304.45	271.61	268.65	239.59	248.83
G36	185.69	146.19	192.44	263.28	241.41	251.46	219.87	228.67	199.71	205.31

C Range: 0 - 360 Deg

C Interval: 15.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/27 11:07:17

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	C300	C315	C330	C345	C360					
G0	6916.96	6862.48	6969.09	6992.02	7011.83					
G1	6901.21	6946.16	6876.46	7010.21	6870.71					
G2	6814.56	6896.75	6711.98	6898.53	6666.45					
G3	6668.56	6742.37	6515.14	6687.61	6430.41					
G4	6489.09	6540.7	6327.05	6440.51	6206.23					
G5	6295.8	6321.02	6122.75	6188.52	5982.06					
G6	6100.44	6104.46	5925.62	5957.5	5768.08					
G7	5890.77	5883.68	5714.51	5730.41	5551.28					
G8	5676.26	5663.77	5500.25	5505.7	5334.33					
G9	5458.46	5433.99	5280.72	5277.6	5107.81					
G10	5234.76	5213.51	5065.92	5050.32	4888.61					
G11	5006.8	4986.79	4834.95	4824.56	4667.6					
G12	4777.22	4760.94	4608.53	4597.56	4444.76					
G13	4542.23	4519.97	4371.09	4364.82	4215.56					
G14	4293.93	4267.84	4119.49	4121.83	3973.63					
G15	4018.05	4000.39	3846.01	3852.23	3696.51					
G16	3709.63	3697.99	3548.98	3555.96	3420.54					
G17	3380.81	3384.26	3229.64	3250.08	3118.19					
G18	3039.59	3052.28	2893.35	2932.7	2810.63					
G19	2711.06	2743.47	2593.54	2632.75	2520.49					
G20	2403.74	2431.41	2304.46	2345.34	2245.05					
G21	2125.85	2151.27	2038.39	2082.72	1985.55					
G22	1864.2	1884.21	1791.15	1828.82	1744.57					
G23	1629.92	1649.5	1565.44	1607.28	1528.92					
G24	1420.06	1436.24	1364.67	1397.75	1338.15					
G25	1243.9	1255.15	1201.06	1221.5	1172.24					
G26	1092.01	1094.54	1045.67	1061.66	1026.14					
G27	952.51	963.0	908.95	933.8	895.6					
G28	814.46	842.75	785.45	820.06	777.45					
G29	699.86	730.25	668.41	708.43	660.08					
G30	585.93	620.3	558.83	603.73	554.09					
G31	481.57	517.04	465.92	506.27	462.09					
G32	406.75	428.05	388.46	414.94	386.07					
G33	333.27	345.96	318.77	331.16	316.47					
G34	271.71	281.24	260.8	276.4	256.97					
G35	218.14	230.88	203.97	220.73	209.14					
G36	186.93	191.67	174.49	186.84	179.18					

C Range: 0 - 360 Deg

C Interval: 15.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/27 11:07:17

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	C165	C180	C195	C210	C225	C240	C255	C270	C285
G37	160.6	125.28	159.69	215.22	197.85	210.29	182.05	190.76	167.83	169.46
G38	138.58	107.99	136.91	177.84	166.01	170.42	159.89	161.7	144.66	150.07
G39	120.92	97.75	120.97	156.3	145.05	145.05	133.46	138.25	127.24	131.45
G40	108.14	88.46	99.9	128.77	128.72	124.56	119.2	120.34	113.16	108.19
G41	105.36	80.9	98.66	112.88	108.81	110.58	100.91	114.65	101.87	104.79
G42	90.33	74.44	89.71	101.15	98.23	104.55	88.65	97.03	92.39	94.35
G43	83.49	68.84	81.24	92.01	89.66	91.14	89.71	88.46	83.82	89.8
G44	83.72	71.28	74.2	84.49	82.24	83.58	81.67	81.57	76.45	79.32
G45	72.67	61.13	68.36	77.17	76.45	77.69	70.66	75.87	70.66	79.75
G46	68.69	58.54	64.05	74.25	71.66	72.86	69.79	71.28	66.11	68.41
G47	65.68	56.82	66.4	70.13	68.65	69.6	68.41	67.98	62.33	65.06
G48	63.62	55.05	63.67	66.68	65.53	66.2	61.46	55.62	59.55	61.99
G49	57.44	53.42	54.72	55.96	62.57	63.48	58.64	52.94	57.3	59.36
G50	60.22	52.51	57.16	60.41	59.6	60.94	56.01	59.6	55.53	57.4
G51	59.07	51.75	51.27	57.64	56.68	57.54	54.09	55.77	54.67	55.34
G52	56.92	50.36	49.59	59.41	53.66	54.91	52.42	53.23	53.47	53.95
G53	55.24	49.07	48.54	52.7	51.6	52.75	51.03	50.74	52.13	44.95
G54	53.76	47.58	41.12	50.93	49.55	50.31	50.74	54.72	51.08	51.46
G55	51.17	46.24	47.3	49.5	54.52	48.54	50.5	47.06	49.55	42.41
G56	51.89	44.95	46.24	48.44	46.72	47.39	50.12	45.81	44.52	48.49
G57	48.68	44.23	44.71	47.87	45.81	46.53	40.4	44.81	46.39	46.63
G58	47.49	43.32	43.04	47.34	45.43	45.72	39.06	44.47	45.62	44.9
G59	46.77	47.49	41.65	44.57	45.24	45.24	40.11	43.71	45.0	43.94
G60	46.19	42.03	40.55	46.96	44.9	44.85	46.53	43.66	50.55	42.75
G61	45.38	41.46	39.68	47.25	45.09	44.61	45.62	43.56	43.75	42.17
G62	45.14	42.13	39.21	46.58	45.05	45.19	44.52	43.66	43.66	41.98
G63	45.09	41.12	38.77	46.15	44.23	45.09	49.21	43.08	43.51	41.89
G64	44.81	41.22	38.54	45.52	43.18	45.43	43.42	36.81	47.2	41.41
G65	44.76	42.08	38.49	43.85	41.98	44.95	43.08	39.25	44.85	41.89
G66	45.52	43.42	38.97	43.08	41.07	45.0	43.18	39.92	45.38	41.93
G67	45.96	43.08	39.25	42.89	40.5	44.23	43.27	39.3	45.62	42.27
G68	38.49	43.56	39.78	42.56	39.92	43.66	48.16	38.87	45.81	42.51
G69	42.56	44.28	40.45	42.46	39.49	45.96	43.66	38.49	44.95	42.17
G70	46.63	44.52	40.38	42.51	39.3	41.98	45.0	38.63	44.18	36.81
G71	46.0	44.42	40.31	42.65	39.49	41.69	45.48	38.54	43.85	40.02
G72	45.52	35.57	40.02	43.32	39.54	41.55	45.57	39.01	43.13	39.78
G73	44.14	39.4	38.63	41.84	40.16	41.55	45.38	39.59	42.75	39.11

C Range: 0 - 360 Deg

C Interval: 15.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/27 11:07:17

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: