

Report No.: KUPU-YT175-30D

Test Time: 2025/9/29 13:56:08

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: GZAILITELED
Luminaire Type: KUPU-YT175
Lamp Type:
Luminous Width: 140 mm
Luminous Length: 140 mm
Luminous Height: 22 mm

Voltage(V): 220.01 V
Current(A): 0.1750 A
Power(W): 35.56 W
Power Factor: 0.9230
Lamp Luminous Flux: 2420.01

Photometric Results

CIE Class: Direct
Luminaire Luminous Flux: 2420.011 lm
Downward Ratio: 100.00%
Luminaire Efficacy Rating(LER): 68.05 lm/W
Beam Angle(50%) C0-180,C90-270: 30.2,30.4
Field Angle(10%) C0-180,C90-270: 59.0,59.5
S/MH C0-180,C90-270: 0.499,0.499

Max. Intensity: 7313.98 cd
Max.Intensity Angle: C=180 Gamma=1
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 7216.06 cd
Effective Luminous Flux: 2001.15 lm
ERP(ϕ use)(120deg): 2323.22 lm

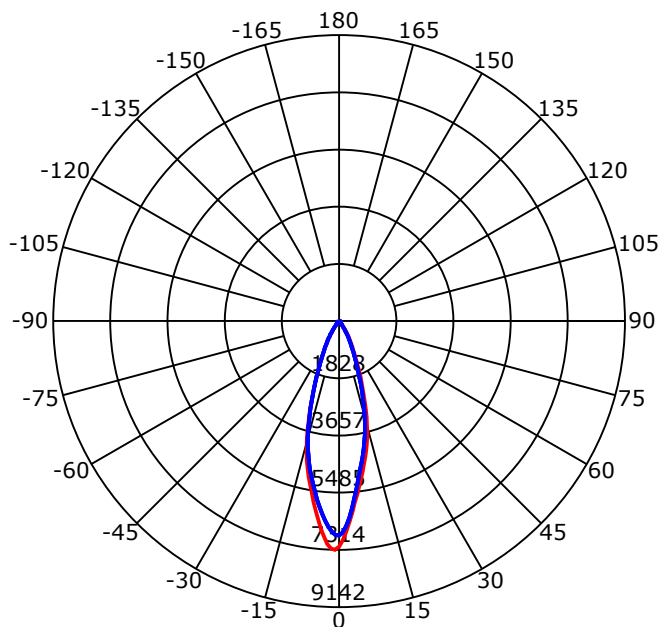
CIE Color Parameter

Chromaticity coordinates: $x = y = u = v = u^{\wedge} = v^{\wedge} = 0.0000$
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



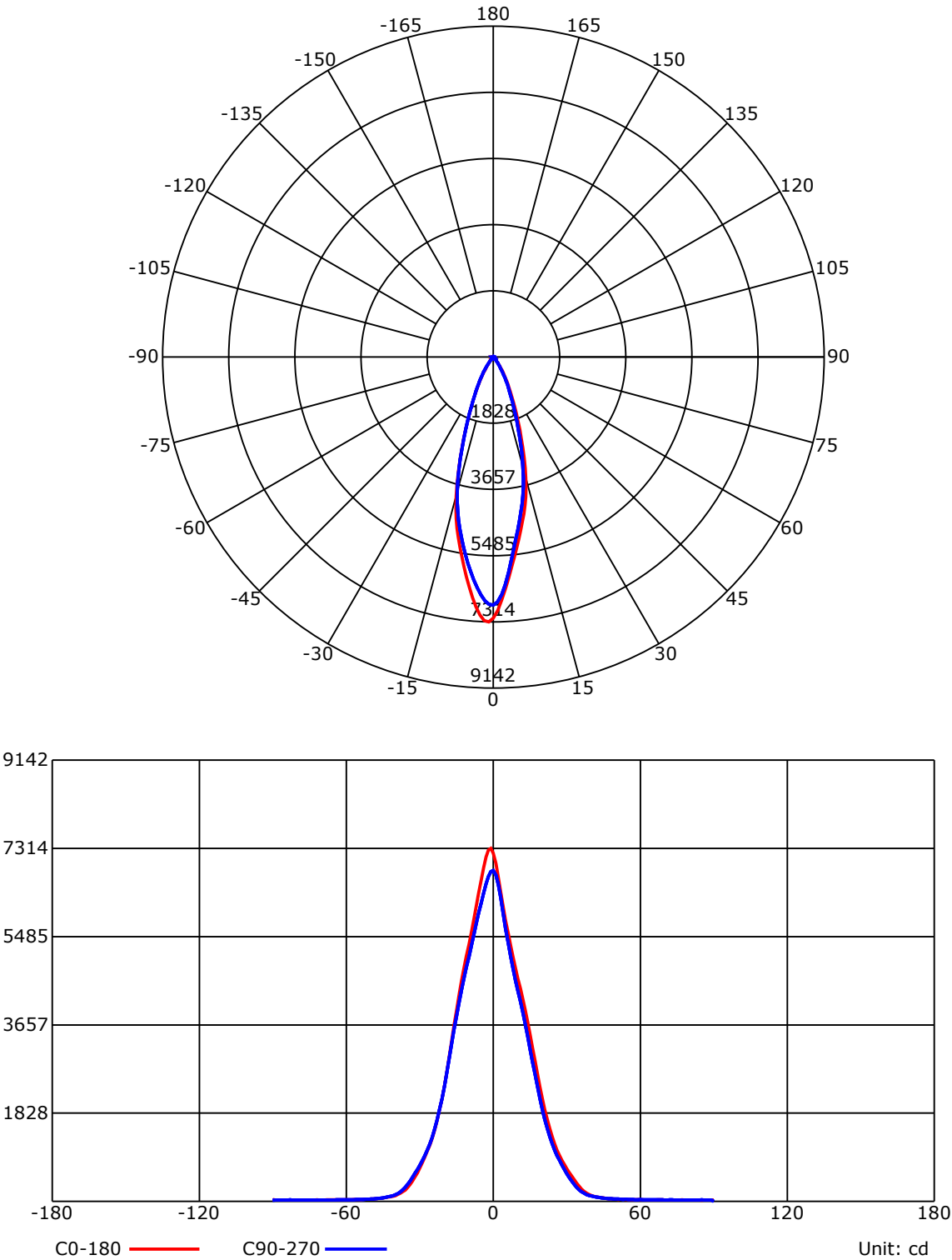
Beam Angle(50%) C0-180,C90-270: 30.2 deg,30.4 deg

C0-180 — C90-270 —

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025/9/29 13:56:08

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

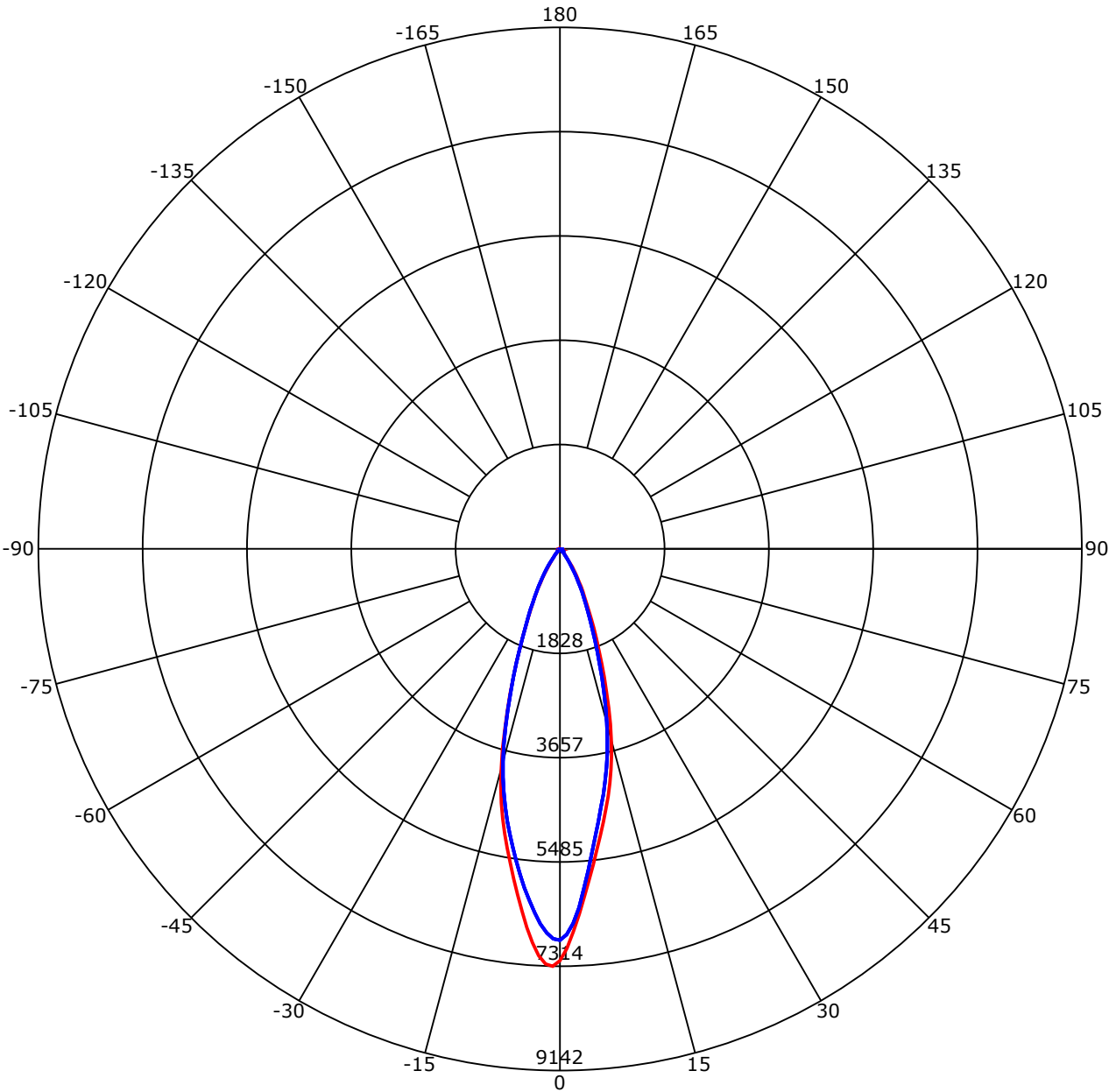
Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025/9/29 13:56:08

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

Luminous Intensity Distribution Curve

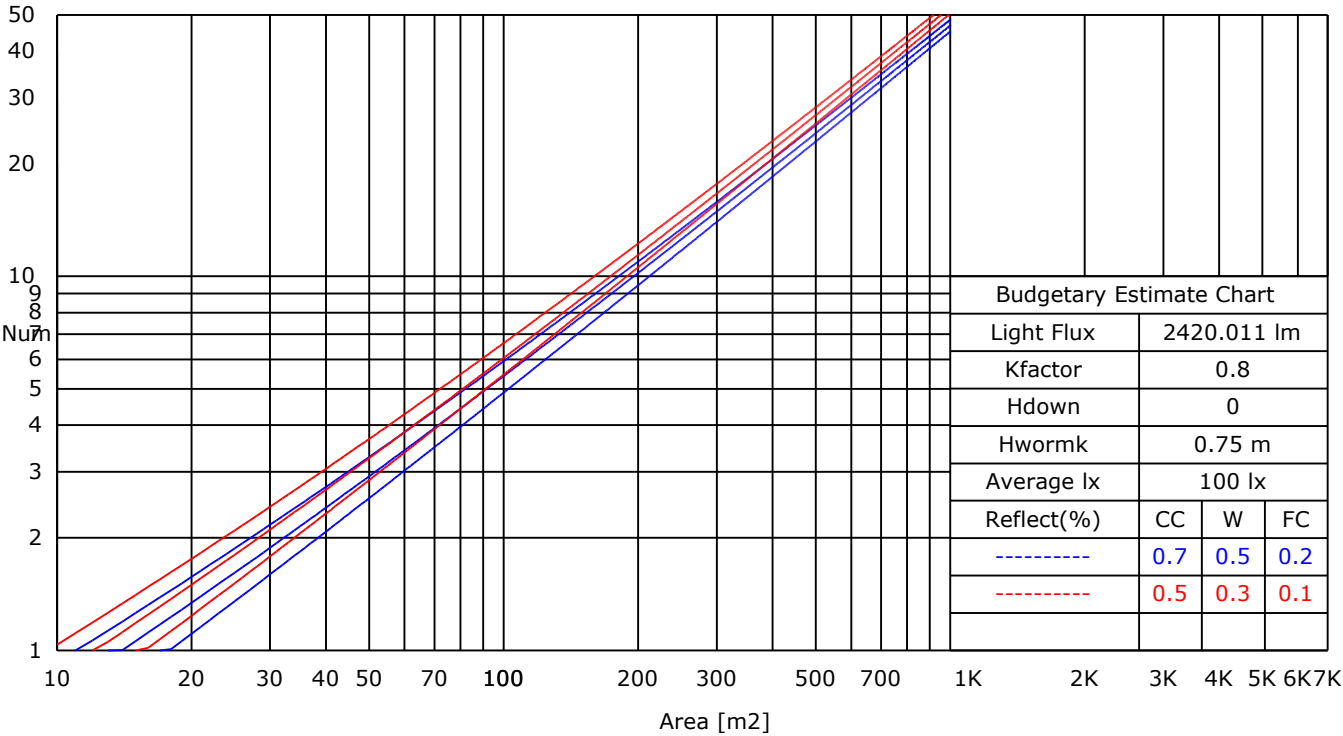


C0-180 — C90-270
Unit: cd/klm

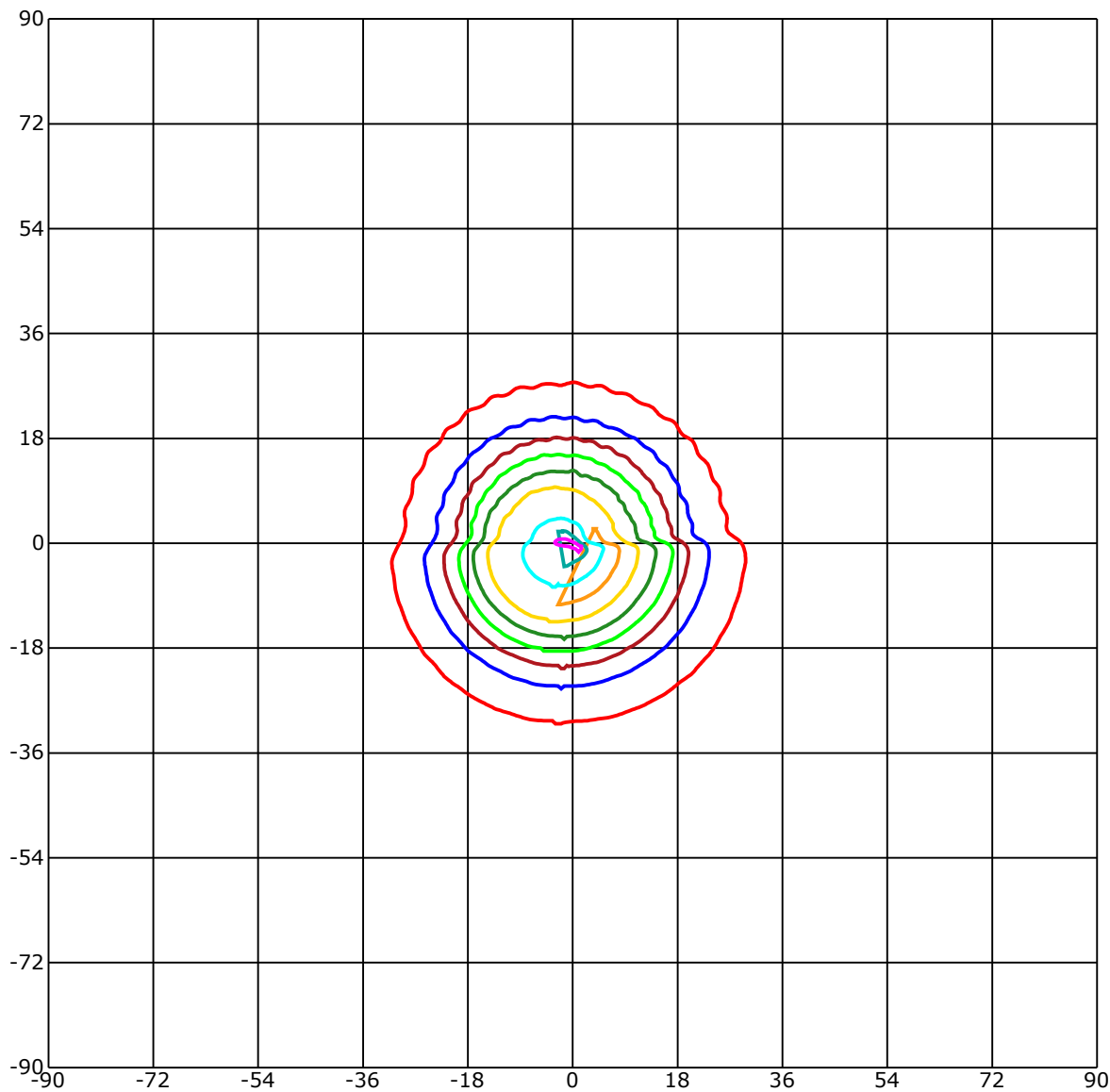
UTILIZATION FACTORS TABLE

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	1.17	1.17	1.17	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	1.14	1.13	1.12	1.12	1.11	1.10	1.07	1.06	1.06	1.02	1.01	1.00	0.95	0.94	0.93	0.88
2	1.07	1.06	1.05	1.06	1.04	1.03	1.02	1.00	0.99	0.97	0.95	0.94	0.91	0.89	0.87	0.83
3	1.02	1.01	1.00	1.00	0.99	0.98	0.97	0.95	0.93	0.93	0.90	0.88	0.87	0.85	0.83	0.78
4	0.97	0.96	0.95	0.95	0.94	0.93	0.92	0.90	0.88	0.89	0.86	0.84	0.84	0.81	0.78	0.74
5	0.92	0.91	0.90	0.91	0.89	0.88	0.88	0.86	0.84	0.85	0.82	0.79	0.81	0.78	0.75	0.71
6	0.88	0.87	0.86	0.87	0.85	0.84	0.84	0.82	0.80	0.81	0.78	0.76	0.78	0.74	0.71	0.68
7	0.84	0.83	0.82	0.83	0.82	0.80	0.81	0.78	0.77	0.78	0.75	0.73	0.75	0.71	0.68	0.65
8	0.81	0.80	0.79	0.80	0.78	0.77	0.78	0.75	0.73	0.75	0.72	0.70	0.72	0.69	0.66	0.62
9	0.78	0.77	0.76	0.77	0.75	0.74	0.75	0.72	0.70	0.73	0.69	0.67	0.70	0.66	0.63	0.60
10	0.75	0.74	0.73	0.74	0.72	0.71	0.72	0.70	0.68	0.70	0.67	0.64	0.68	0.64	0.61	0.57

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



ISOCANDELA DIAGRAM (RECTANGULAR)



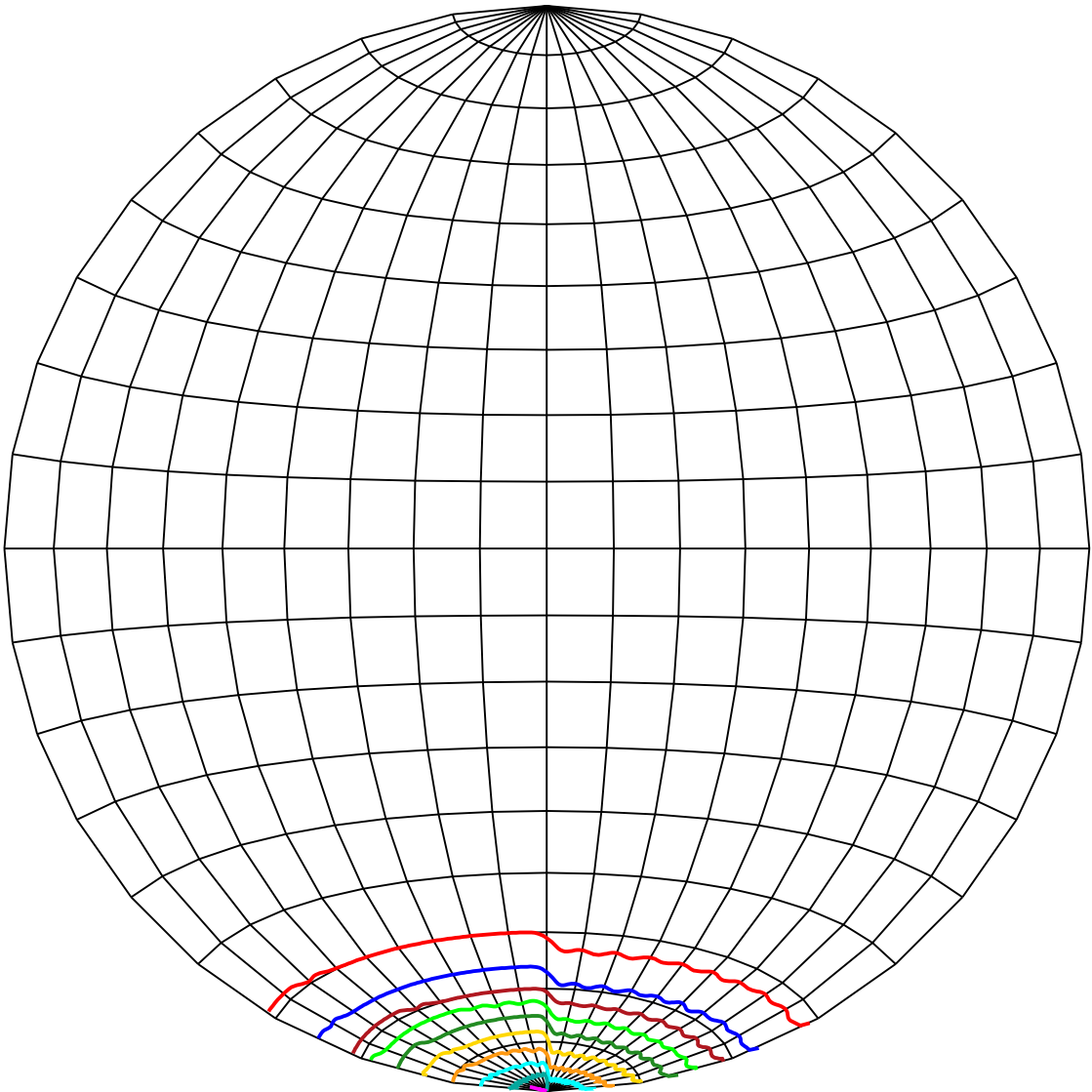
Unit of intensity:cd Imax(100%): 7313.978 cd

- | | |
|-------------------|-------------------|
| 6948.279(95%Imax) | 3656.989(50%Imax) |
| 6582.58(90%Imax) | 2925.591(40%Imax) |
| 5851.183(80%Imax) | 2194.194(30%Imax) |
| 5119.785(70%Imax) | 1462.796(20%Imax) |
| 4388.387(60%Imax) | 731.398(10%Imax) |

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025/9/29 13:56:08

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

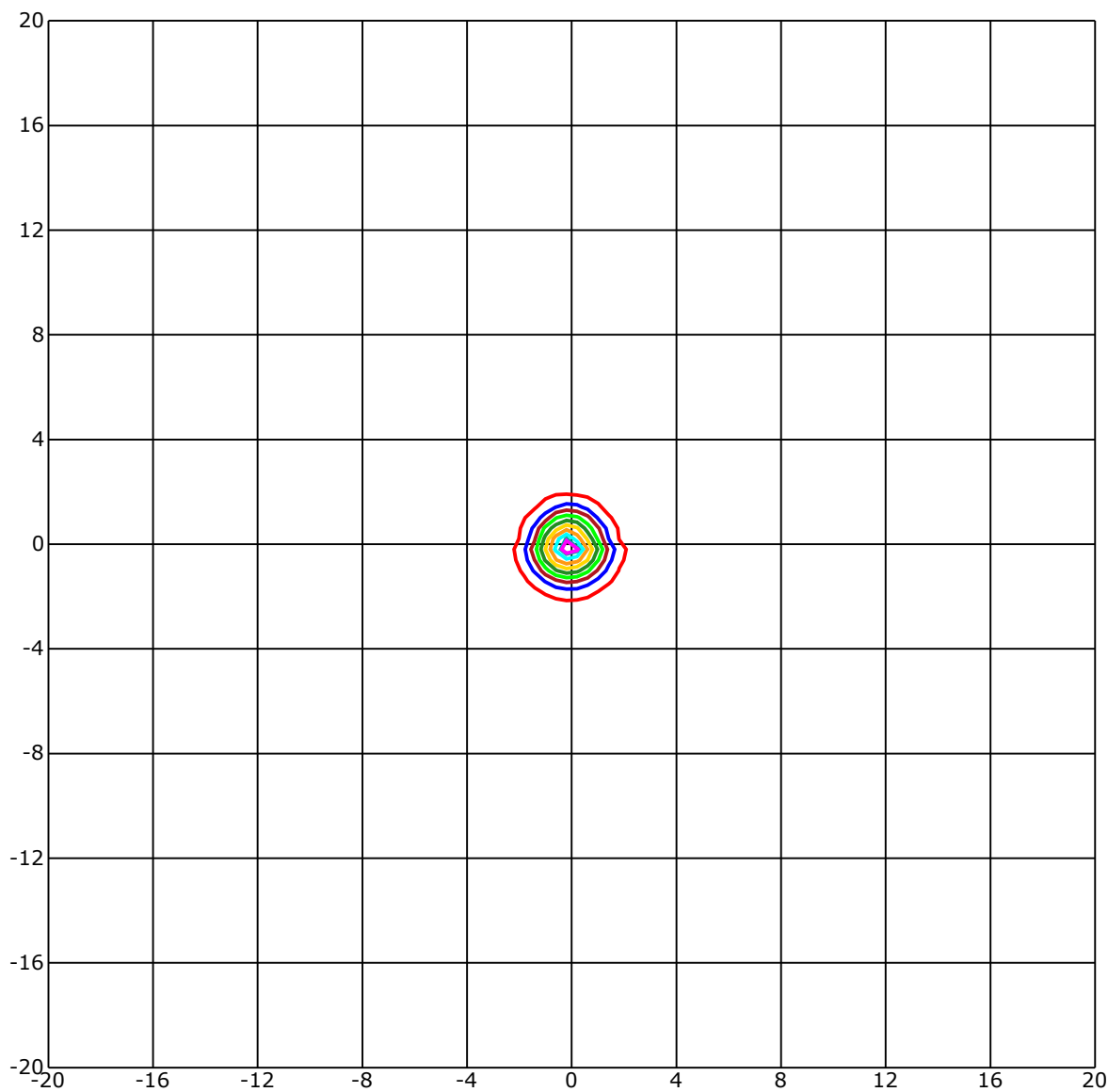
ISOCANDELA DIAGRAM (SPHERE)



Unit of intensity:cd Imax(100%): 7313.978 cd

- | | |
|-------------------|-------------------|
| 6948.279(95%Imax) | 3656.989(50%Imax) |
| 6582.58(90%Imax) | 2925.591(40%Imax) |
| 5851.183(80%Imax) | 2194.194(30%Imax) |
| 5119.785(70%Imax) | 1462.796(20%Imax) |
| 4388.387(60%Imax) | 731.398(10%Imax) |

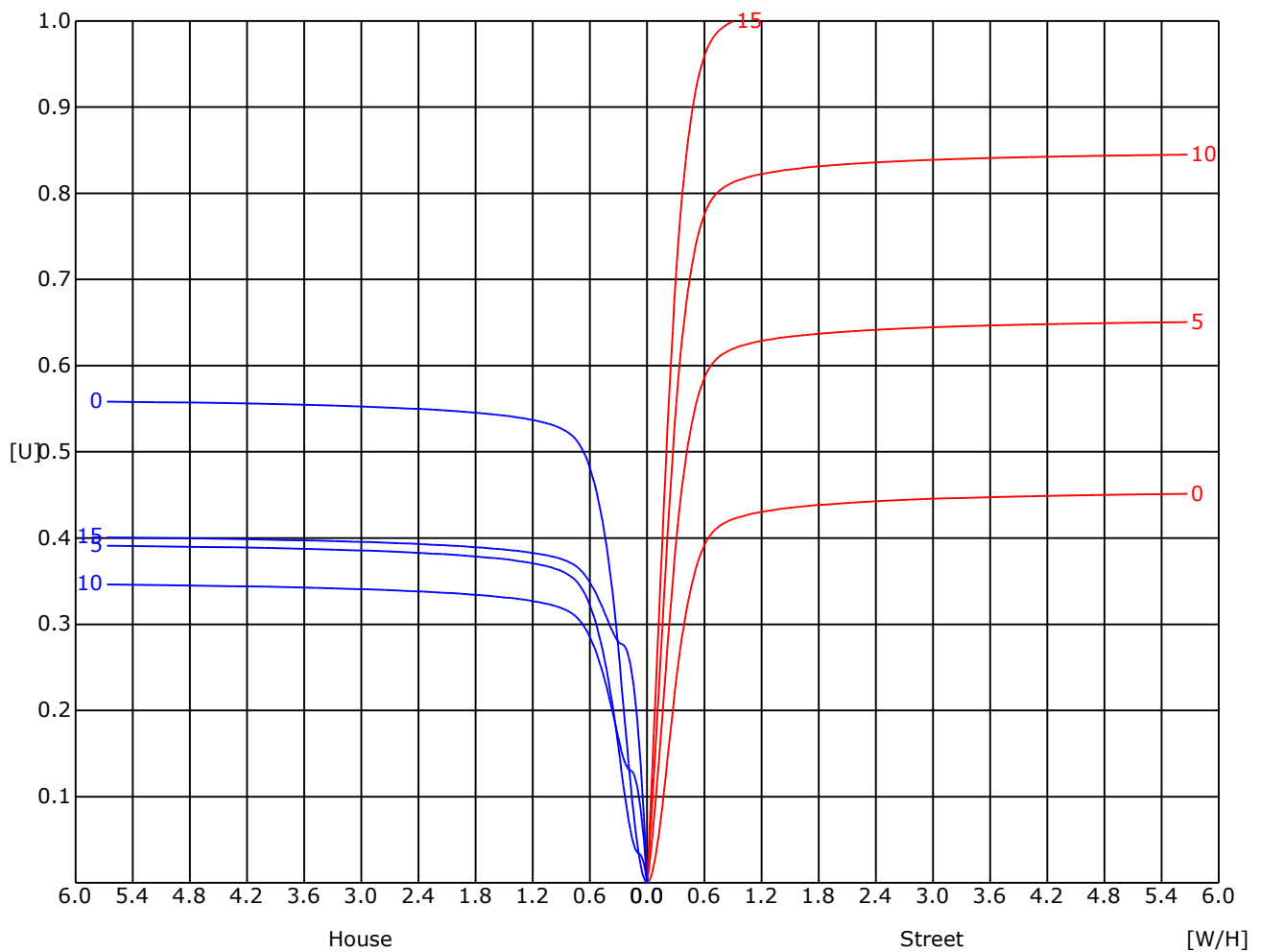
ISOLX DIAGRAM



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

- | | |
|------------------|------------------|
| 420.362(92%Emax) | 228.457(50%Emax) |
| 411.223(90%Emax) | 182.766(40%Emax) |
| 365.532(80%Emax) | 137.074(30%Emax) |
| 319.84(70%Emax) | 91.383(20%Emax) |
| 274.149(60%Emax) | 45.691(10%Emax) |

UTILIZATION FACTOR DIAGRAM (ROAD)

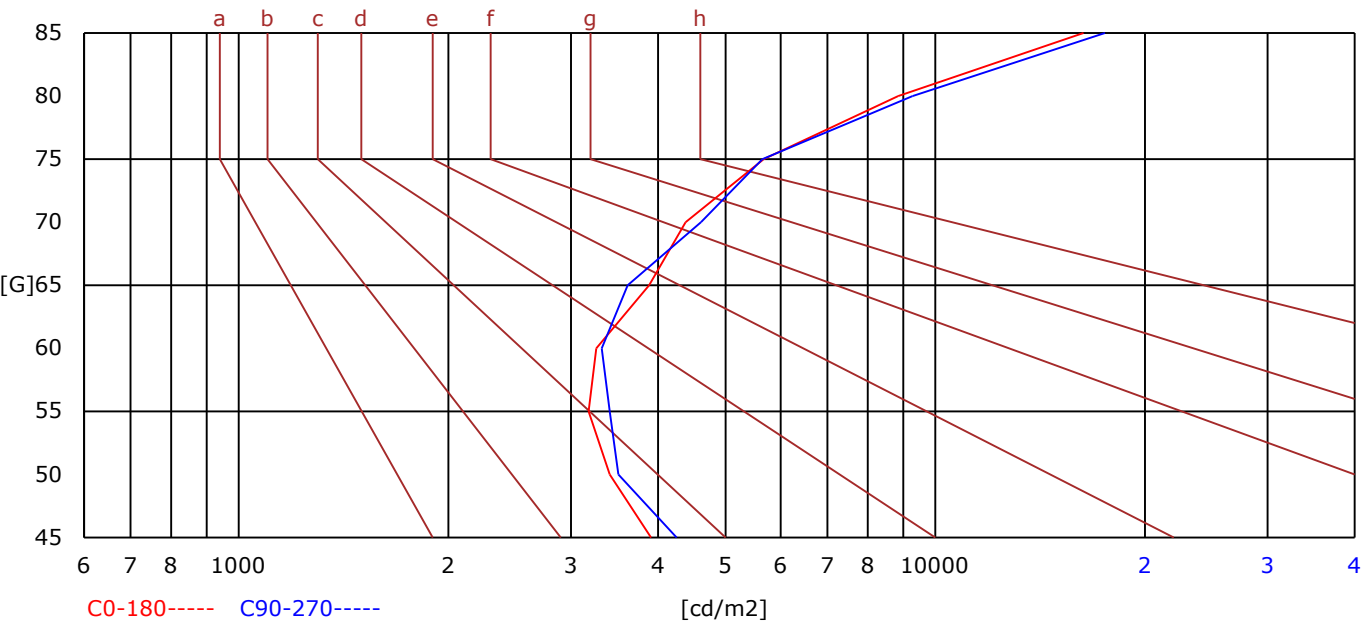


C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025/9/29 13:56:08

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

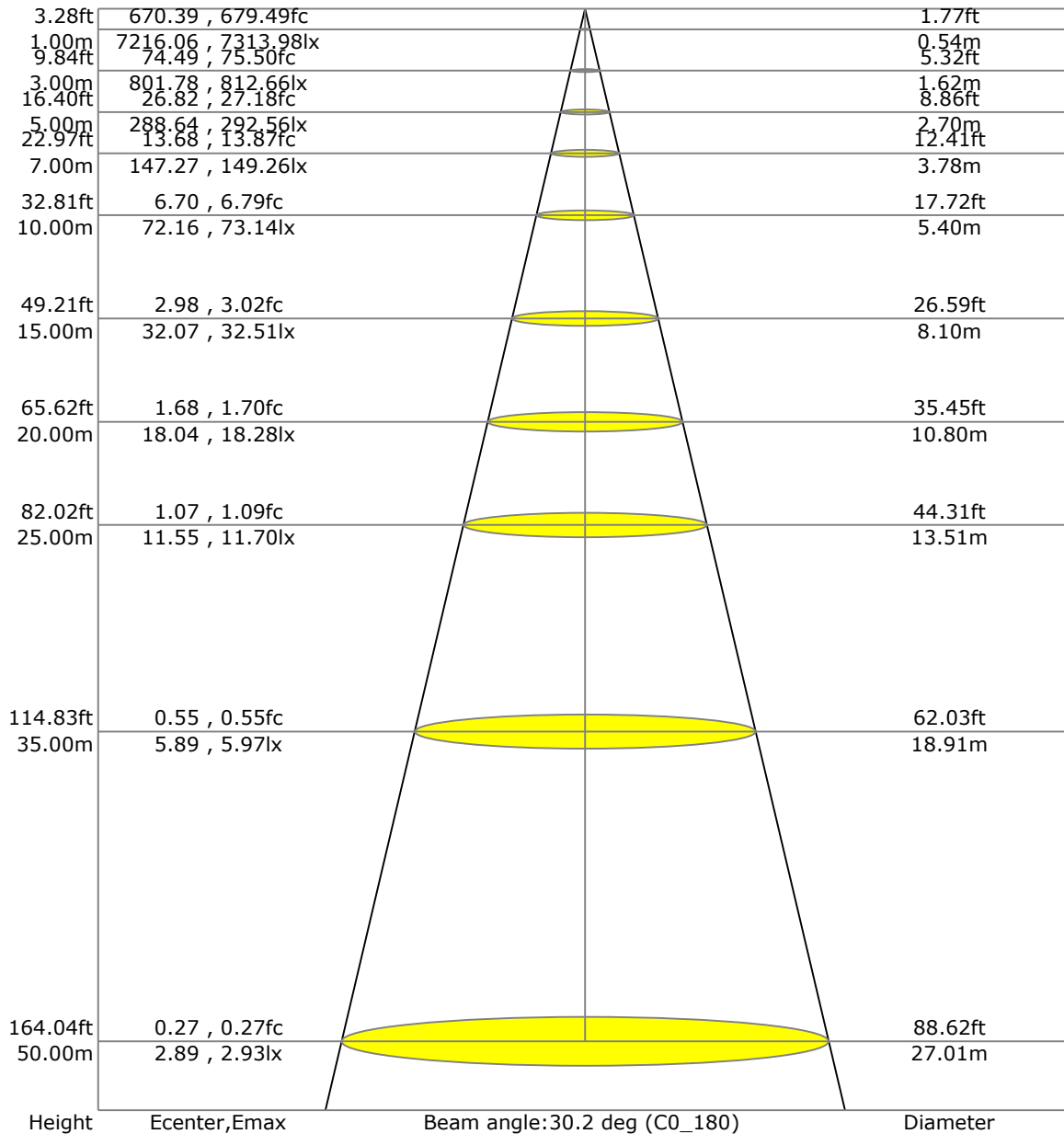
C/G	45	50	55	60	65	70	75	80	85
C0	3907	3411	3180	3261	3882	4381	5671	8848	16315
C90	4252	3510	3410	3322	3617	4611	5651	9273	17512
Dazzle	Quality	Illuminance	---	---	---	---	---	---	---
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
---	---	a	b	c	d	e	f	g	h



Report No.: KUPU-YT175-30D

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LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/29 13:56:08

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

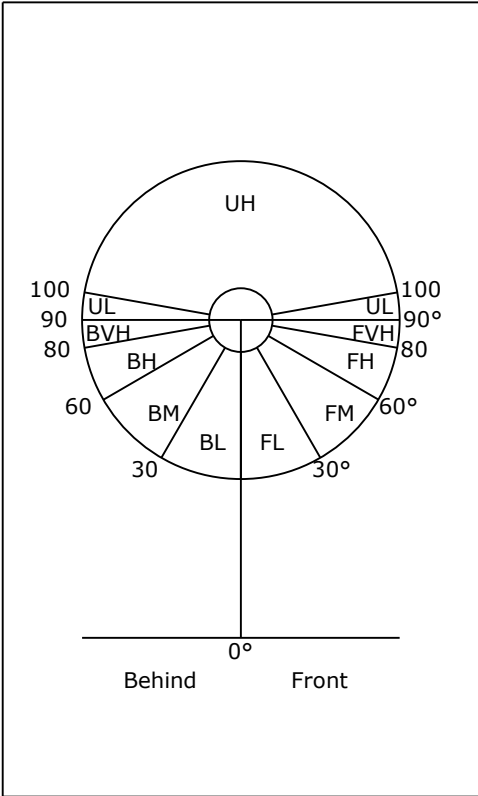
Test System: Huipu CPM-1600B Goniophotometer

Humidity:

Test Distance: 7.061 m

Remarks:

BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	1069.0	44.2
FL (0°-30°)	900.8	37.2
FM (30°-60°)	120.3	5.0
FH (60°-80°)	32.1	1.3
FVH (80°-90°)	15.9	0.7

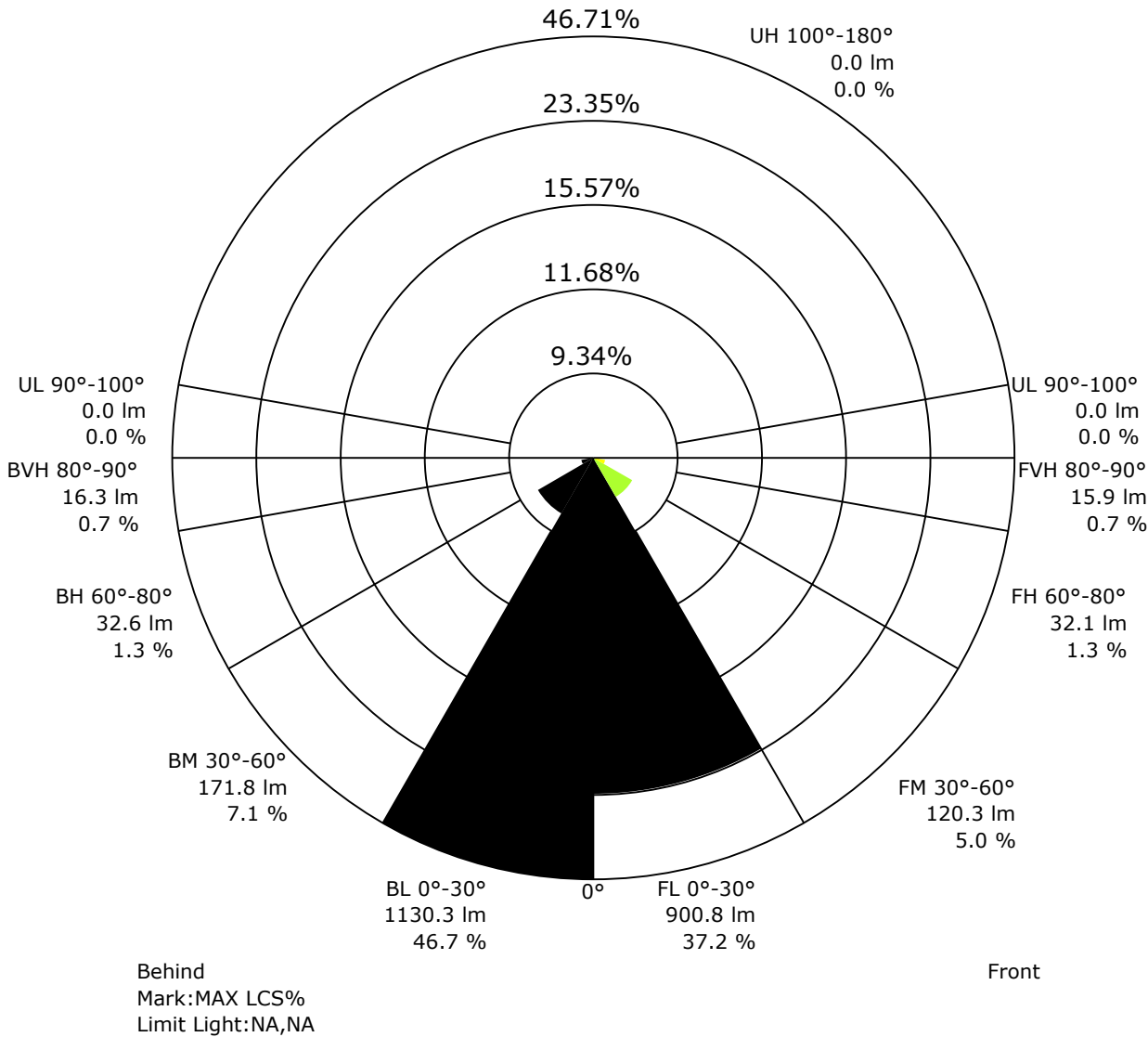
Behind	1351.0	55.8
BL (0°-30°)	1130.3	46.7
BM (30°-60°)	171.8	7.1
BH (60°-80°)	32.6	1.3
BVH (80°-90°)	16.3	0.7

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	10.66	10.89	10.95	11.32	11.83	10.80	11.03	11.09	11.46	11.98
3H	10.68	10.90	10.98	11.33	11.86	10.82	11.04	11.12	11.47	12.00
4H	10.67	10.88	10.98	11.32	11.85	10.80	11.01	11.11	11.45	11.98
6H	10.63	10.83	10.95	11.27	11.81	10.76	10.96	11.07	11.39	11.94
8H	10.58	10.78	10.90	11.21	11.76	10.71	10.90	11.03	11.34	11.89
12H	10.53	10.72	10.86	11.16	11.71	10.65	10.85	10.98	11.28	11.83
4H 2H	13.53	13.74	13.84	14.17	14.71	13.60	13.81	13.91	14.25	14.78
3H	13.91	14.10	14.23	14.54	15.08	13.98	14.18	14.31	14.61	15.16
4H	14.06	14.25	14.40	14.68	15.24	14.13	14.31	14.47	14.75	15.31
6H	14.18	14.35	14.53	14.78	15.36	14.23	14.40	14.59	14.84	15.41
8H	14.21	14.37	14.57	14.81	15.39	14.26	14.42	14.62	14.86	15.44
12H	14.20	14.35	14.57	14.79	15.38	14.25	14.40	14.62	14.84	15.42
8H 4H	15.89	16.09	16.21	16.53	17.07	16.00	16.20	16.32	16.63	17.18
6H	17.35	17.49	17.73	17.93	18.52	17.50	17.64	17.88	18.08	18.67
8H	17.51	17.64	17.89	18.07	18.68	17.64	17.77	18.03	18.21	18.81
12H	17.64	17.75	18.03	18.19	18.80	17.75	17.86	18.14	18.30	18.91
12H 4H	18.24	18.40	18.61	18.83	19.42	18.40	18.55	18.77	18.99	19.57
6H	18.78	18.91	19.17	19.35	19.95	18.91	19.04	19.30	19.48	20.08

ZONAL LUMINOUS FLUX TABLE-2

γ	C0	C5	C10	C15	C20	C25	C30	C35	γ	φ zonal	φ total	%lum	%lamp
10	4623.6	3727.4	4018.5	3716.8	4008.3	3718.5	4008.6	3723.6	10	527.7	527.7	21.8	21.8
20	2136.7	1406.0	1642.0	1397.6	1643.0	1402.8	1654.0	1417.1	20	941.3	1469.0	60.7	60.7
30	676.8	412.9	511.2	409.3	510.6	408.3	510.2	410.1	30	562.1	2031.1	83.9	83.9
40	123.6	84.1	102.6	83.5	102.3	82.5	101.6	85.2	40	197.2	2228.3	92.1	92.1
50	44.3	43.0	46.4	44.3	47.7	36.7	49.0	42.4	50	58.3	2286.6	94.5	94.5
60	32.9	32.0	34.3	34.3	36.6	31.7	33.9	33.9	60	36.7	2323.2	96.0	96.0
70	31.8	29.4	28.3	30.3	31.3	28.7	32.1	31.6	70	32.3	2355.5	97.3	97.3
80	28.7	30.1	28.7	29.8	31.6	29.9	29.8	28.9	80	32.3	2387.9	98.7	98.7
90	27.8	29.0	0.0	24.6	0.0	28.7	0.0	35.1	90	32.2	2420.0	100.0	100.0

Conical surface Flux(90deg) : 2262.8 lm

%lum = 93.5%

%lamp = 93.5%

Conical surface Flux(120deg) : 2323.2 lm

%lum = 96.0%

%lamp = 96.0%

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/29 13:56:08

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

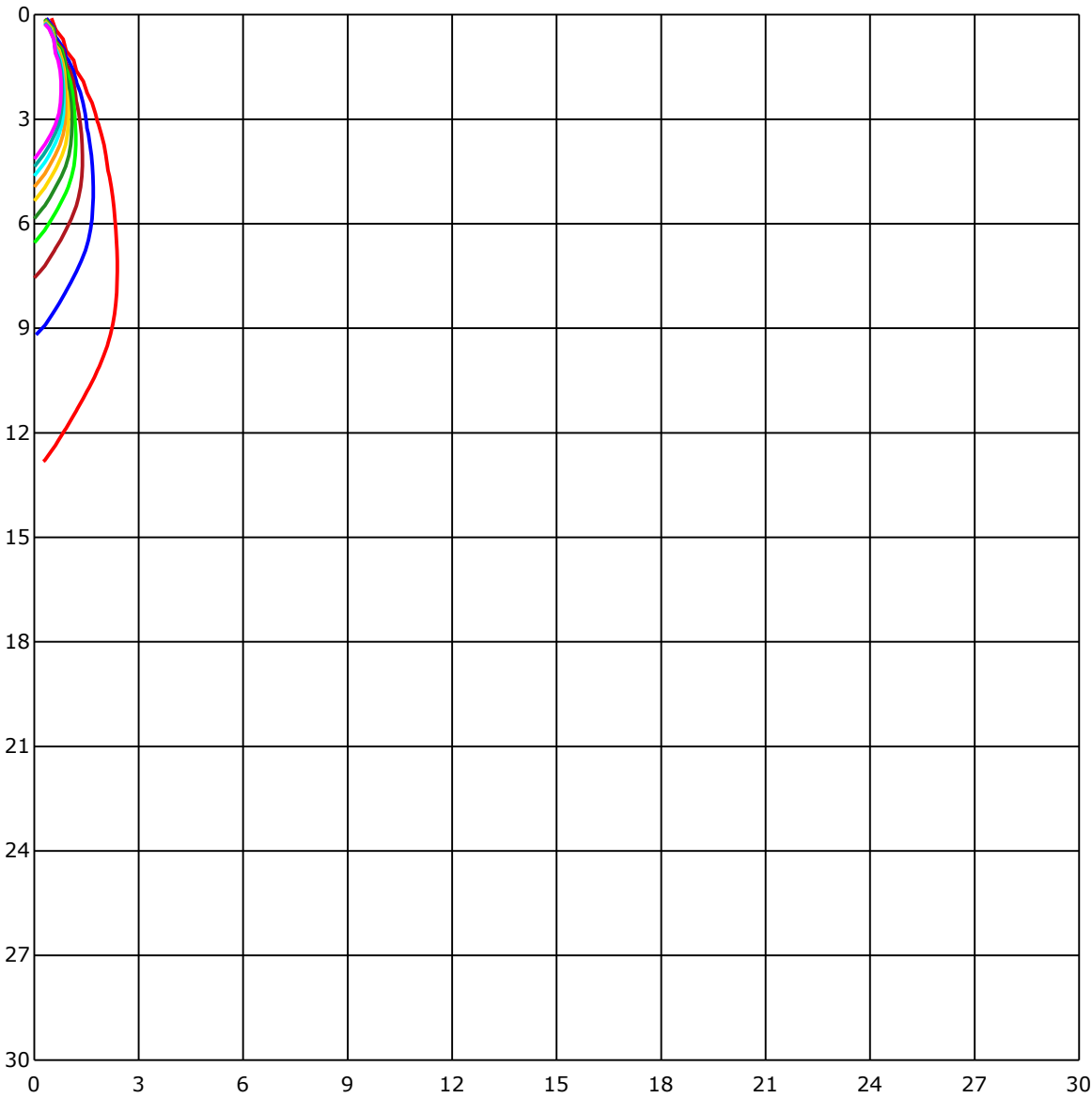
Test System: Huipu CPM-1600B Goniophotometer

Humidity:

Test Distance: 7.061 m

Remarks:

SPACE ISOLX DIAGRAM



Unit of illumination:lx

- | | |
|---------|---------|
| 421.745 | 210.872 |
| 379.57 | 168.698 |
| 337.396 | 126.523 |
| 295.221 | 84.349 |
| 253.047 | 42.174 |

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C5	C10	C15	C20	C25	C30	C35	C40	C45
G0	7216.06	6333.63	6707.31	6332.03	6712.49	6345.79	6709.85	6368.73	6732.74	6399.69
G1	7002.22	5997.49	6436.98	5998.08	6440.77	6010.05	6459.92	6037.77	6483.1	6080.6
G2	6709.45	5676.75	6098.45	5672.56	6116.89	5677.65	6128.61	5703.62	6162.02	5747.1
G3	6407.17	5370.32	5770.88	5356.51	5775.77	5363.99	5787.43	5389.22	5833.3	5427.21
G4	6112.46	5097.15	5459.72	5078.26	5457.73	5077.91	5472.83	5096.81	5505.59	5132.1
G5	5820.39	4846.47	5175.33	4822.04	5167.15	4821.24	5178.52	4833.96	5212.03	4866.91
G6	5559.98	4607.7	4918.27	4585.02	4903.51	4581.48	4908.59	4591.75	4938.11	4625.65
G7	5306.46	4384.29	4669.82	4362.35	4653.77	4356.57	4661.4	4367.64	4681.29	4400.74
G8	5071.28	4169.8	4442.37	4151.3	4432.7	4145.32	4435.24	4157.34	4454.34	4189.49
G9	4842.23	3950.23	4224.94	3936.02	4216.22	3935.02	4218.01	3953.22	4242.39	3974.56
G10	4623.61	3727.41	4018.48	3716.84	4008.26	3718.49	4008.56	3723.62	4033.04	3750.7
G11	4415.1	3491.69	3797.36	3480.72	3791.28	3483.41	3792.38	3493.68	3814.37	3522.1
G12	4191.74	3236.81	3563.53	3228.69	3562.23	3230.33	3569.07	3249.28	3584.92	3272.21
G13	3966.88	2975.46	3317.38	2973.47	3317.18	2981.29	3324.86	2998.0	3344.16	3023.67
G14	3719.49	2714.75	3063.36	2710.12	3062.16	2722.28	3075.47	2733.5	3097.56	2763.86
G15	3461.97	2460.48	2801.06	2458.43	2797.47	2468.56	2813.62	2488.5	2837.85	2513.48
G16	3191.44	2218.22	2545.19	2214.28	2544.64	2224.7	2560.09	2243.45	2583.48	2266.93
G17	2911.69	1988.13	2296.9	1985.29	2296.3	1995.36	2312.45	2008.82	2331.95	2035.94
G18	2637.17	1774.69	2063.41	1770.3	2063.81	1771.99	2076.42	1792.24	2101.75	1817.76
G19	2372.13	1582.88	1842.19	1579.29	1843.84	1587.17	1858.8	1597.84	1872.56	1619.78
G20	2136.65	1405.99	1642.01	1397.56	1643.01	1402.8	1654.03	1417.11	1669.29	1436.2
G21	1903.47	1246.39	1465.47	1249.24	1463.87	1252.28	1473.74	1261.9	1486.51	1276.81
G22	1693.97	1111.88	1304.63	1108.34	1300.14	1110.28	1310.81	1117.56	1321.63	1132.62
G23	1509.64	991.97	1159.99	988.73	1158.79	990.67	1166.57	1001.09	1174.3	1008.67
G24	1346.26	883.83	1035.25	880.39	1029.81	881.33	1038.64	891.01	1045.77	896.94
G25	1195.64	789.75	924.06	787.05	924.36	788.55	926.01	793.04	930.64	800.86
G26	1063.32	706.33	827.24	702.5	827.14	703.29	827.34	707.53	830.63	713.31
G27	948.74	628.11	739.09	625.81	734.7	630.15	740.24	628.61	747.07	632.89
G28	849.43	553.42	659.82	551.53	660.66	549.73	658.97	553.52	666.15	555.56
G29	761.98	481.63	584.33	480.18	584.28	477.94	583.34	481.33	588.37	488.51
G30	676.77	412.87	511.19	409.33	510.64	408.28	510.24	410.13	513.48	411.23
G31	597.05	353.84	440.79	347.26	443.38	345.26	439.2	346.51	441.69	347.31
G32	522.36	290.87	375.38	289.12	373.33	288.18	373.58	288.03	373.98	289.72
G33	448.47	240.06	315.05	238.32	313.26	236.43	314.1	236.77	313.46	238.57
G34	379.27	197.69	260.31	196.99	257.22	194.69	258.81	197.19	257.52	197.94
G35	315.85	165.53	215.58	164.83	213.84	163.03	214.59	162.54	213.79	166.38
G36	258.16	140.45	179.79	138.41	177.84	137.41	179.49	138.01	177.84	140.65

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/29 13:56:08

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	210.75	121.15	147.48	117.81	150.52	117.71	152.32	119.41	151.47	121.85
G38	173.55	106.0	131.33	104.8	129.98	103.75	131.08	105.05	130.58	106.5
G39	145.24	94.38	114.87	92.88	114.77	92.04	115.07	94.38	114.92	94.73
G40	123.65	84.11	102.56	83.51	102.31	82.46	101.61	85.21	102.81	84.61
G41	107.49	78.23	91.89	80.87	92.59	74.34	91.19	77.68	89.15	76.58
G42	95.38	68.45	82.96	68.7	84.01	72.39	82.07	71.45	84.36	69.45
G43	84.76	62.77	75.04	63.42	77.03	62.17	74.94	65.96	70.55	68.95
G44	76.23	63.37	68.11	58.93	70.85	61.08	68.5	61.13	65.21	59.18
G45	73.89	54.15	62.77	56.09	65.66	54.2	63.37	57.29	66.01	55.84
G46	63.12	51.0	58.08	53.1	57.29	51.25	59.43	53.2	61.13	53.15
G47	59.48	49.61	54.44	51.3	56.59	49.31	56.34	49.81	59.43	50.56
G48	55.44	47.12	51.4	48.31	53.45	46.77	53.6	47.07	53.55	48.41
G49	52.45	44.97	53.1	46.27	54.05	44.87	51.15	48.76	55.74	46.27
G50	44.27	42.98	46.37	44.27	47.71	36.7	48.96	42.43	47.91	44.27
G51	41.08	41.53	44.62	42.13	50.76	40.88	47.31	40.78	45.97	41.98
G52	45.67	39.94	42.83	39.94	43.53	37.79	45.47	39.29	43.87	40.19
G53	43.48	38.69	40.09	38.74	46.67	37.54	43.58	38.49	42.18	38.49
G54	41.18	36.79	37.69	37.29	40.33	36.1	37.99	38.14	42.83	36.89
G55	38.09	35.75	39.74	36.35	39.19	34.75	39.54	37.64	40.63	40.63
G56	37.34	34.5	38.79	35.45	38.29	33.8	38.14	37.29	35.45	34.55
G57	36.3	33.7	31.31	34.9	37.29	32.91	40.29	36.7	40.14	33.75
G58	34.8	37.84	36.5	35.7	37.49	32.36	35.65	35.7	38.39	33.16
G59	37.99	31.96	35.35	34.5	37.24	32.06	34.6	29.86	32.01	33.01
G60	32.91	31.96	34.25	34.3	36.65	31.66	33.85	33.85	33.3	32.96
G61	32.01	31.61	33.01	34.3	36.0	32.01	33.21	32.76	34.95	32.66
G62	31.66	32.01	32.36	33.85	35.45	31.91	33.16	31.61	33.75	32.66
G63	31.41	31.81	31.71	33.16	34.65	32.01	32.86	35.45	32.91	32.16
G64	31.11	32.16	31.11	32.46	33.7	31.81	32.86	35.9	37.79	31.61
G65	31.51	32.16	35.8	32.01	33.01	31.16	32.86	30.51	37.69	31.11
G66	29.67	31.41	30.56	31.36	32.26	30.71	33.5	30.36	32.06	30.71
G67	31.91	30.66	30.86	30.91	31.66	30.31	33.5	30.41	32.11	29.81
G68	32.01	30.31	30.86	30.51	31.26	29.72	33.16	30.76	32.11	29.32
G69	31.91	29.52	30.76	30.46	31.31	28.92	32.81	31.11	32.56	29.22
G70	31.81	29.37	28.27	30.26	31.31	28.72	32.06	31.61	32.66	34.25
G71	31.36	32.61	26.92	30.41	35.0	28.72	30.51	31.51	32.96	28.87
G72	31.16	28.72	25.48	33.5	31.06	28.37	30.76	31.21	32.76	28.82
G73	30.41	28.67	28.42	31.16	31.26	28.32	30.16	30.41	32.81	29.42

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/29 13:56:08

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	6744.3	6447.9	6764.8	6507.93	6784.99	6580.07	6814.35	6664.08	6855.19	6755.37
G1	6519.1	6141.92	6562.07	6216.61	6621.55	6316.77	6684.82	6426.91	6761.21	6545.17
G2	6217.46	5813.26	6282.67	5897.17	6364.54	6001.67	6461.71	6122.43	6564.82	6257.99
G3	5881.67	5492.53	5959.49	5573.05	6051.08	5676.7	6159.37	5802.79	6294.14	5943.04
G4	5559.58	5192.53	5632.98	5267.47	5725.16	5367.38	5843.13	5485.94	5973.2	5619.91
G5	5252.61	4922.25	5323.71	4991.36	5411.61	5085.54	5521.39	5201.01	5652.57	5328.44
G6	4976.95	4676.85	5041.01	4742.87	5127.67	4832.16	5229.53	4932.87	5355.47	5058.91
G7	4720.93	4450.9	4785.54	4513.62	4864.67	4592.69	4961.94	4688.97	5078.86	4804.49
G8	4493.78	4236.91	4555.75	4297.44	4624.95	4369.93	4716.24	4463.66	4824.28	4570.31
G9	4278.39	4022.57	4330.04	4079.76	4409.92	4156.64	4488.84	4243.99	4586.36	4348.24
G10	4065.7	3793.72	4122.34	3856.64	4187.95	3928.34	4269.96	4018.58	4366.69	4121.09
G11	3845.38	3561.69	3902.41	3626.3	3967.48	3697.35	4049.05	3782.01	4141.48	3888.75
G12	3623.01	3315.69	3671.77	3375.47	3736.54	3445.57	3818.45	3536.81	3913.73	3636.07
G13	3377.16	3066.4	3430.81	3118.5	3497.82	3194.48	3576.34	3281.74	3673.37	3385.09
G14	3129.57	2810.63	3182.17	2863.83	3243.15	2933.93	3325.01	3022.33	3421.39	3116.81
G15	2872.2	2558.25	2923.46	2609.2	2986.43	2675.62	3062.36	2756.33	3153.8	2851.36
G16	2620.77	2313.6	2674.22	2359.32	2726.07	2419.6	2801.11	2496.48	2893.84	2582.43
G17	2370.69	2077.62	2416.45	2123.84	2471.0	2179.73	2540.55	2252.72	2626.11	2329.95
G18	2133.06	1854.51	2175.74	1894.79	2228.74	1951.98	2298.79	2015.2	2376.37	2087.24
G19	1906.41	1651.49	1946.15	1694.56	1992.71	1740.48	2057.03	1798.72	2127.88	1868.67
G20	1698.5	1458.24	1736.64	1505.16	1780.92	1550.13	1839.0	1598.49	1904.07	1659.07
G21	1512.04	1302.63	1546.49	1335.69	1587.77	1382.16	1636.38	1423.64	1697.56	1474.84
G22	1343.67	1152.51	1375.13	1184.17	1413.47	1220.62	1458.44	1257.81	1507.7	1308.17
G23	1194.19	1027.67	1220.87	1052.95	1260.6	1084.95	1298.0	1123.2	1341.52	1159.99
G24	1062.92	913.29	1087.9	935.73	1118.31	967.69	1154.16	998.55	1192.85	1034.5
G25	947.65	815.72	965.59	836.11	995.71	863.04	1030.11	890.66	1063.81	919.68
G26	846.63	726.03	860.1	743.83	888.61	761.53	918.08	786.61	947.45	817.92
G27	755.39	644.61	772.65	660.32	795.83	680.71	819.81	700.85	845.49	723.93
G28	673.53	565.34	686.94	578.95	703.89	595.8	728.07	613.55	748.61	634.29
G29	595.0	493.64	607.17	502.22	620.83	515.13	641.67	530.79	658.97	548.58
G30	519.72	418.56	528.89	425.14	540.71	438.3	558.21	451.16	573.36	466.62
G31	447.87	353.94	454.6	359.52	464.42	368.75	479.63	379.97	492.54	393.33
G32	379.22	288.98	384.25	298.45	394.03	306.38	405.24	321.83	416.26	326.92
G33	319.04	243.16	325.67	250.98	330.71	251.73	342.17	265.79	349.1	276.56
G34	262.1	194.59	265.69	208.06	274.62	207.71	285.39	214.44	291.12	221.87
G35	217.58	168.52	220.47	169.42	222.76	174.95	231.89	180.68	240.26	185.37
G36	181.48	142.69	183.98	144.54	189.26	148.63	193.45	153.11	201.38	156.9

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/29 13:56:08

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	6894.38	6842.03	6931.67	6928.13	6969.56	7004.51	7002.47	7077.2	7050.43	7139.68
G1	6841.88	6658.4	6914.17	6771.63	6987.76	6880.07	7050.78	6969.06	7110.66	7054.22
G2	6674.9	6396.5	6781.45	6527.42	6880.62	6652.67	6980.63	6765.29	7056.76	6864.91
G3	6421.97	6083.94	6551.7	6228.92	6675.0	6366.93	6791.67	6491.92	6889.24	6604.95
G4	6114.55	5761.46	6256.99	5906.54	6394.5	6049.24	6527.07	6187.34	6638.71	6303.96
G5	5800.85	5468.79	5939.25	5599.57	6079.25	5737.23	6218.55	5875.73	6344.1	6012.14
G6	5491.88	5185.3	5628.09	5317.77	5763.05	5445.01	5909.09	5587.9	6042.71	5720.92
G7	5207.84	4927.49	5334.18	5050.44	5466.25	5177.43	5606.95	5313.94	5744.41	5445.61
G8	4945.44	4688.52	5067.14	4806.98	5193.98	4933.12	5325.85	5056.92	5466.15	5181.36
G9	4701.78	4456.98	4818.25	4573.75	4945.19	4696.6	5075.57	4812.77	5201.11	4936.26
G10	4469.94	4224.54	4586.01	4342.71	4710.16	4458.08	4828.67	4572.85	4951.42	4687.17
G11	4247.68	3989.91	4356.37	4101.05	4475.33	4214.97	4591.85	4325.21	4706.27	4437.59
G12	4016.39	3737.14	4122.44	3850.61	4238.16	3957.26	4353.68	4068.09	4464.31	4170.9
G13	3771.69	3483.01	3878.98	3591.8	3989.57	3694.46	4098.9	3792.23	4206.85	3897.93
G14	3522.65	3212.68	3624.21	3320.08	3729.01	3415.3	3834.31	3516.76	3943.55	3608.0
G15	3254.06	2946.04	3352.18	3046.66	3458.78	3143.23	3565.33	3231.53	3653.28	3316.93
G16	2982.79	2677.56	3085.2	2769.25	3178.88	2863.58	3278.64	2944.95	3372.83	3019.53
G17	2723.23	2418.0	2809.58	2506.95	2905.31	2588.76	2997.4	2665.09	3075.47	2734.5
G18	2452.8	2164.92	2546.13	2245.14	2632.34	2318.73	2714.35	2391.82	2791.33	2451.6
G19	2205.21	1934.43	2285.88	2006.67	2366.45	2068.35	2443.93	2133.86	2509.59	2188.75
G20	1968.48	1718.35	2043.67	1781.82	2117.61	1839.7	2182.17	1892.3	2242.4	1937.42
G21	1756.49	1530.33	1820.95	1588.47	1887.21	1637.13	1948.19	1678.26	1999.84	1724.58
G22	1562.84	1356.88	1619.53	1405.14	1676.07	1448.77	1728.52	1486.81	1775.58	1524.15
G23	1391.73	1206.01	1439.14	1247.29	1492.59	1284.73	1530.38	1317.99	1567.98	1352.54
G24	1237.22	1071.44	1281.89	1105.94	1323.87	1140.45	1362.96	1168.91	1398.26	1198.28
G25	1097.57	953.98	1143.84	984.64	1177.54	1014.65	1209.95	1039.28	1242.6	1064.41
G26	982.35	846.78	1017.4	874.11	1048.36	899.13	1075.93	922.12	1104.8	942.36
G27	871.11	749.66	905.07	774.69	932.64	794.73	956.22	813.68	978.86	831.58
G28	774.14	659.67	802.31	671.78	818.76	694.37	845.39	711.77	870.86	724.73
G29	685.14	567.38	706.48	587.87	727.17	601.83	748.56	617.24	759.08	626.26
G30	593.31	482.37	614.65	493.44	632.1	511.44	647.3	524.0	660.22	535.42
G31	508.35	407.34	528.09	421.15	542.35	433.26	554.02	442.04	565.59	447.37
G32	430.97	339.18	447.47	350.1	458.79	359.57	469.21	366.06	478.73	371.59
G33	365.11	282.19	370.99	291.07	383.51	300.39	394.47	304.63	399.36	308.62
G34	300.04	231.24	312.06	237.52	318.89	246.15	328.66	249.19	333.85	252.43
G35	247.64	187.61	256.72	198.23	262.5	205.61	273.42	207.46	278.26	209.95
G36	203.97	162.54	213.59	166.13	218.53	168.07	225.96	174.75	230.59	176.99

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/29 13:56:08

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	7083.83	7194.87	7124.67	7242.68	7176.57	7293.99	7216.06	6333.63	6707.31	6332.03
G1	7167.35	7122.13	7219.35	7179.96	7265.42	7222.99	7313.98	6628.44	6870.29	6633.32
G2	7127.11	6945.13	7187.89	7003.56	7232.06	7052.92	7280.32	6835.05	6935.71	6835.34
G3	6975.05	6699.13	7041.9	6765.94	7084.38	6819.59	7136.58	6930.57	6909.83	6927.08
G4	6737.97	6413.15	6813.01	6487.69	6864.51	6544.18	6915.42	6910.13	6806.03	6904.25
G5	6458.52	6119.64	6543.83	6205.94	6600.17	6268.21	6661.94	6783.14	6636.96	6771.63
G6	6161.22	5833.6	6255.35	5921.9	6330.83	5993.9	6386.13	6577.83	6442.22	6570.65
G7	5865.01	5551.61	5969.07	5642.9	6038.92	5720.28	6107.77	6339.21	6214.86	6341.2
G8	5584.51	5286.46	5688.07	5380.2	5765.2	5457.78	5837.79	6084.54	5987.21	6094.01
G9	5315.08	5035.83	5410.51	5127.42	5500.2	5213.07	5574.74	5828.82	5745.9	5837.54
G10	5064.75	4788.54	5164.91	4888.05	5245.33	4965.98	5325.15	5568.56	5502.35	5583.17
G11	4821.19	4544.63	4917.77	4635.22	5003.97	4720.83	5080.55	5322.41	5260.69	5339.81
G12	4574.55	4274.1	4667.43	4369.53	4760.52	4450.7	4835.1	5078.16	5023.22	5095.76
G13	4315.98	3998.34	4414.5	4089.33	4499.76	4164.42	4571.65	4853.3	4791.23	4861.73
G14	4041.82	3702.83	4137.54	3785.9	4220.71	3853.45	4285.77	4602.02	4550.91	4622.76
G15	3753.79	3398.8	3841.29	3476.38	3918.07	3532.92	3975.56	4357.27	4302.02	4372.77
G16	3457.13	3093.57	3539.55	3162.58	3604.61	3207.2	3654.07	4076.12	4021.92	4096.11
G17	3155.5	2793.68	3230.43	2849.47	3288.47	2893.49	3324.56	3788.49	3726.82	3808.28
G18	2857.05	2500.81	2917.23	2549.38	2967.78	2582.28	3000.49	3473.94	3406.78	3490.54
G19	2567.77	2233.63	2624.51	2271.17	2660.36	2300.93	2688.43	3164.67	3094.92	3179.73
G20	2292.91	1976.36	2337.73	2009.82	2373.53	2035.79	2393.72	2851.51	2788.24	2862.28
G21	2041.03	1754.09	2078.32	1784.66	2106.09	1801.01	2124.79	2562.24	2493.04	2571.71
G22	1809.14	1550.68	1840.8	1573.06	1868.32	1587.92	1884.72	2277.95	2211.64	2280.94
G23	1605.27	1376.07	1629.55	1395.57	1652.53	1410.82	1663.5	2022.68	1958.81	2026.82
G24	1424.49	1220.12	1447.47	1234.78	1463.57	1249.24	1473.0	1788.0	1735.55	1790.44
G25	1264.44	1084.71	1284.78	1097.57	1298.59	1104.35	1307.72	1586.97	1534.27	1588.67
G26	1123.05	960.56	1141.19	974.42	1152.31	979.55	1160.79	1398.46	1358.57	1404.64
G27	1000.05	847.23	1015.4	858.5	1024.58	866.18	1032.7	1245.1	1204.26	1248.89
G28	883.98	735.0	891.56	748.66	906.46	755.89	913.29	1104.85	1072.29	1113.92
G29	769.65	638.13	781.32	647.15	795.08	654.83	801.96	983.54	952.08	989.93
G30	672.98	540.76	683.7	547.69	690.18	555.61	696.71	870.07	840.95	875.6
G31	576.31	455.55	583.83	467.02	590.32	467.62	595.15	764.02	732.16	771.0
G32	486.46	377.17	494.04	382.16	499.47	389.04	502.42	664.06	638.93	667.1
G33	406.54	314.0	412.77	317.89	418.41	323.43	418.9	570.97	539.41	578.65
G34	337.54	256.32	342.07	259.06	345.81	262.25	347.26	483.77	461.38	490.35
G35	280.45	213.04	284.19	215.49	287.18	218.08	287.28	406.94	385.6	412.87
G36	230.79	178.94	232.54	181.53	236.38	180.88	235.88	339.03	319.74	343.32

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/29 13:56:08

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	6712.49	6345.79	6709.85	6368.73	6732.74	6399.69	6744.3	6447.9	6764.8	6507.93
G1	6877.72	6637.61	6853.39	6651.72	6860.47	6668.27	6851.15	6694.8	6844.42	6722.12
G2	6929.08	6835.09	6910.98	6835.15	6894.18	6831.01	6861.47	6828.91	6824.18	6832.75
G3	6883.66	6916.91	6886.85	6902.0	6833.4	6877.72	6782.15	6849.1	6740.52	6820.49
G4	6761.16	6888.89	6771.83	6849.45	6717.73	6812.91	6643.74	6765.24	6597.27	6712.64
G5	6596.83	6748.24	6611.88	6707.66	6559.08	6659.0	6468.64	6596.87	6415.84	6534.05
G6	6410.36	6547.96	6419.13	6508.88	6364.34	6453.28	6275.39	6387.37	6224.54	6314.33
G7	6196.97	6322.51	6204.59	6279.83	6150.05	6223.19	6064.29	6161.67	6008.6	6085.68
G8	5975.3	6079.9	5971.86	6045.45	5930.38	5991.3	5840.03	5919.46	5782.2	5841.43
G9	5745.55	5830.26	5738.37	5799.05	5696.34	5744.96	5609.49	5679.89	5561.43	5598.02
G10	5511.32	5576.64	5496.61	5549.91	5459.67	5493.37	5378.6	5430.25	5318.32	5352.28
G11	5275.6	5332.28	5256.35	5302.92	5227.18	5255.1	5149.06	5193.03	5098.55	5119.44
G12	5040.57	5087.98	5016.83	5062.8	4986.47	5015.14	4922.85	4960.84	4875.34	4890.2
G13	4805.04	4856.59	4780.91	4830.91	4749.2	4792.37	4696.7	4733.19	4644.4	4663.34
G14	4566.07	4616.38	4539.35	4587.21	4508.43	4555.6	4458.43	4499.01	4405.88	4429.41
G15	4307.76	4363.8	4291.5	4334.48	4252.07	4301.92	4205.5	4249.77	4142.38	4170.55
G16	4029.0	4088.58	4014.49	4060.31	3979.24	4025.01	3925.6	3961.99	3854.55	3885.01
G17	3730.21	3805.19	3717.04	3777.67	3678.0	3733.8	3627.1	3673.27	3539.3	3589.11
G18	3415.5	3481.66	3391.92	3456.29	3366.74	3412.56	3304.62	3342.86	3218.67	3262.44
G19	3090.78	3174.29	3075.72	3142.93	3043.47	3098.66	2990.62	3037.08	2909.05	2957.26
G20	2777.77	2851.36	2772.64	2826.38	2730.76	2782.66	2679.9	2718.59	2600.68	2649.89
G21	2486.45	2556.26	2472.54	2529.08	2432.86	2486.85	2388.58	2432.01	2322.77	2367.24
G22	2214.33	2267.78	2191.7	2243.7	2166.02	2209.45	2118.65	2156.7	2065.86	2099.26
G23	1959.66	2016.99	1945.6	1993.46	1912.89	1961.85	1873.8	1915.18	1831.42	1865.48
G24	1736.84	1782.41	1722.53	1761.72	1695.81	1731.46	1661.16	1693.47	1621.92	1651.59
G25	1535.57	1583.58	1522.95	1563.69	1500.17	1535.07	1469.91	1507.25	1439.84	1471.05
G26	1361.22	1402.1	1350.8	1384.45	1329.71	1361.91	1303.88	1335.19	1279.4	1305.33
G27	1202.22	1246.44	1200.23	1231.54	1180.68	1211.54	1160.64	1191.15	1132.52	1164.98
G28	1069.25	1103.25	1067.11	1096.02	1051.8	1079.22	1037.14	1061.37	1019.79	1040.98
G29	950.19	989.38	948.19	975.77	936.78	963.55	923.56	949.99	909.31	933.14
G30	841.05	874.65	838.86	869.22	830.33	857.15	820.76	845.64	808.09	831.93
G31	739.04	771.95	735.65	766.86	729.12	757.29	721.94	748.26	710.97	737.1
G32	639.67	669.74	639.48	669.74	635.09	665.5	627.46	658.32	619.13	645.71
G33	547.24	577.05	551.97	577.4	543.5	571.42	538.26	562.59	529.94	557.51
G34	461.53	489.3	462.13	490.1	460.34	485.02	457.94	478.09	452.91	474.3
G35	385.0	410.53	384.75	409.38	384.65	408.28	382.86	405.89	374.63	398.46
G36	319.04	341.92	321.03	342.12	315.45	340.73	315.3	334.84	311.06	331.11

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/29 13:56:08

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity:

Test Distance: 7.061 m

Remarks:

