Report No.: **Test Time: 2026/11/17 14:28:48**

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer:
Luminaire Type: E25059-CHK
Lamp Type:
Luminous Width: 0 mm
Luminous Length: 0 mm
Luminous Height: 0 mm

Voltage(V): 120.00 V
Current(A): 0.3400 A
Power(W): 38.69 W
Power Factor: 0.9450
Lamp Luminous Flux: 1892.51

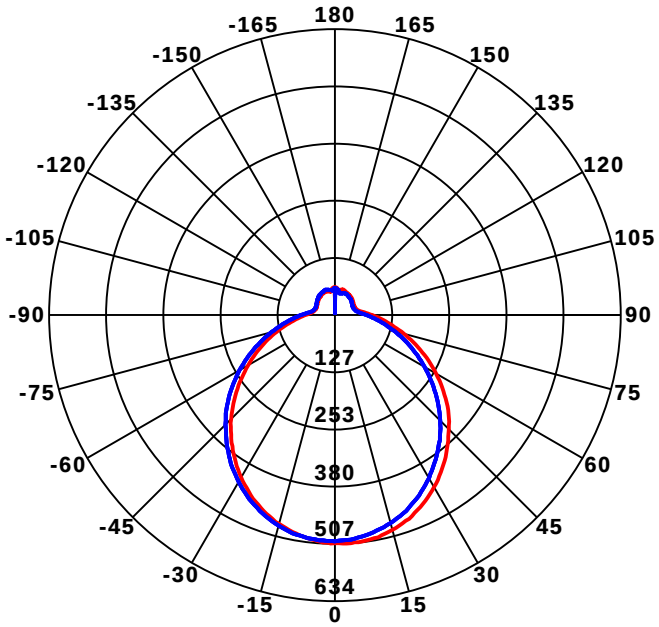
Photometric Results

CIE Class: Direct
Luminaire Luminous Flux: 1892.507 lm
Downward Ratio: 83.92%
Luminaire Efficacy Rating(LER): 48.91 lm/W
Beam Angle(50%) C0-180,C90-270: 116.2,115.8
Field Angle(10%) C0-180,C90-270: 308.2,306.9
S/MH C0-180,C90-270: 1.250,1.250

Max. Intensity: 506.81 cd
Max.Intensity Angle: C=0 Gamma=4
Upward Ratio: 16.08%
Efficacy: 100.00%
Center Intensity: 505.64 cd
Effective Luminous Flux: 1705.76 lm
ERP(φuse)(120deg): 1140.39 lm

Picture of Luminaire

Luminous Intensity Distribution Curve



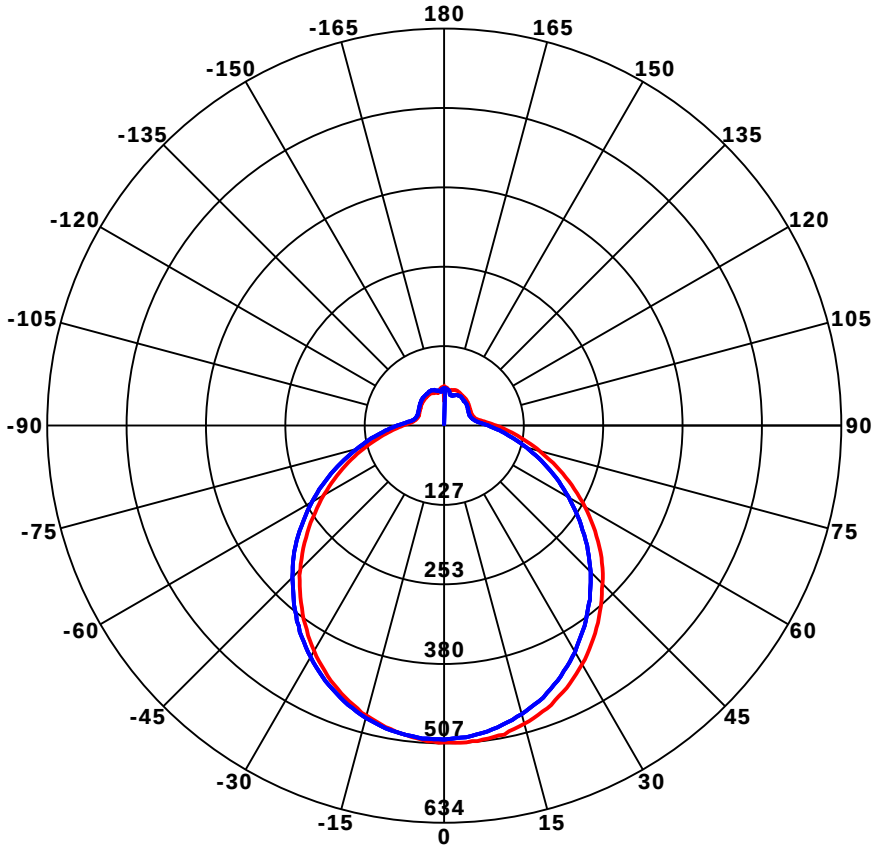
Beam Angle(50%) C0-180,C90-270: 116.2 deg,115.8 deg
Average Beam Angle:116.0 deg
C0-180 **C90-270**

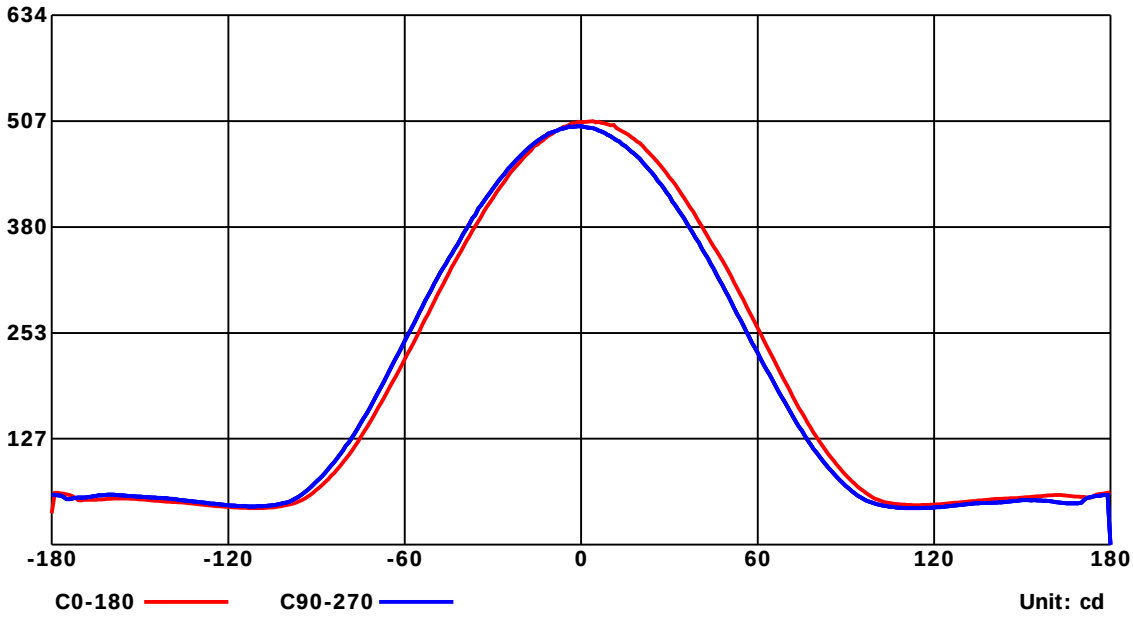
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/11/17 14:28:48

G Range: 0 - 180 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.: **Test Time: 2026/11/17 14:28:48**

Luminous Intensity Distribution Curve



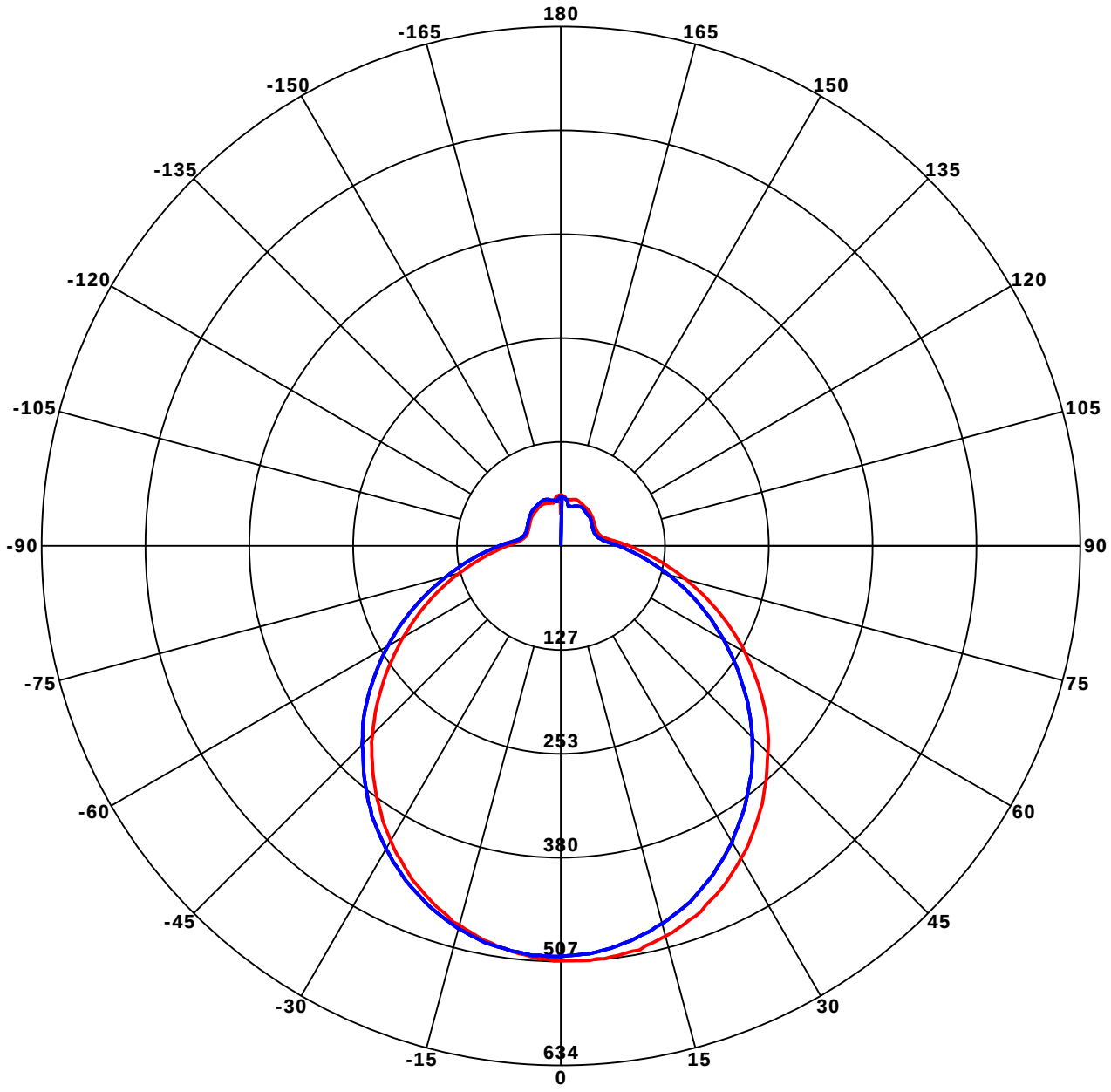


C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/11/17 14:28:48

G Range: 0 - 180 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.: **Test Time: 2026/11/17 14:28:48**

Luminous Intensity Distribution Curve



Unit: cd

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/11/17 14:28:48

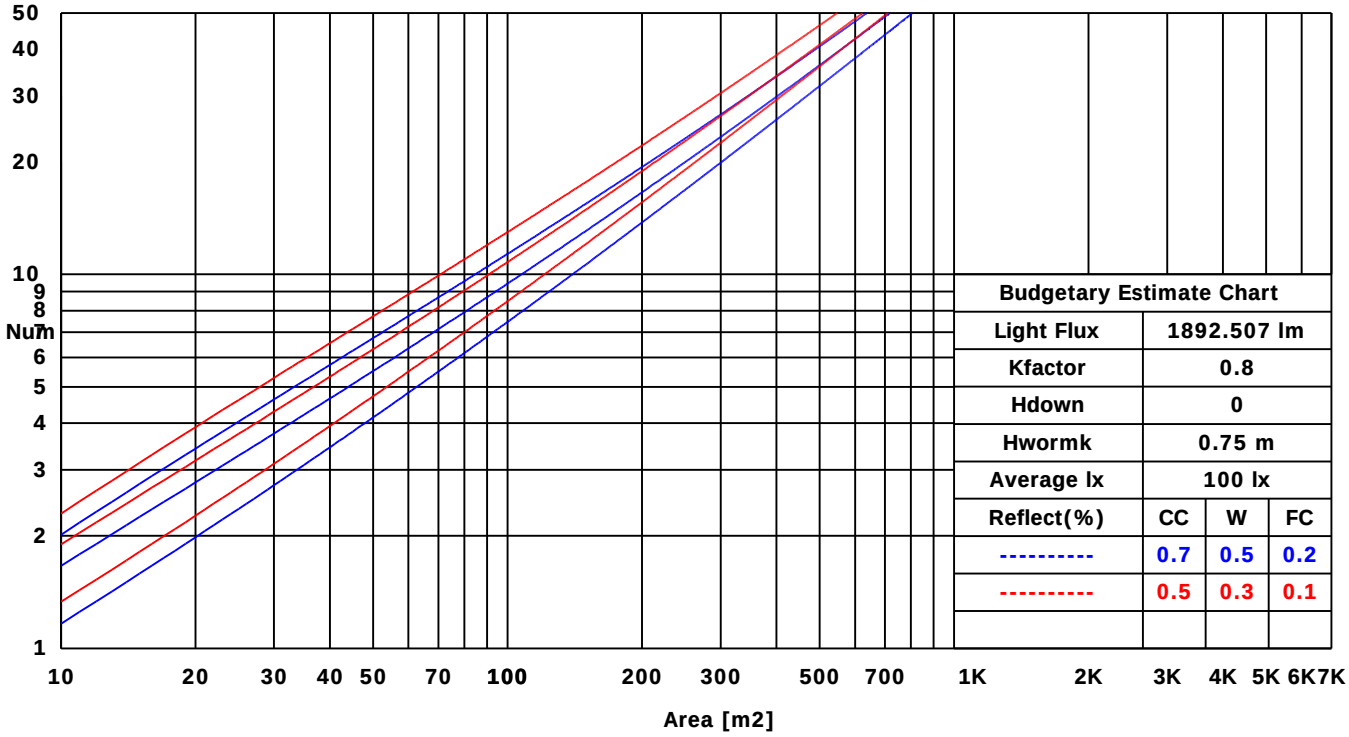
G Range: 0 - 180 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.: **Test Time: 2026/11/17 14:28:48**

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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.03	1.01	1.00	1.02	1.00	0.98	0.98	0.96	0.94	0.94	0.91	0.89	0.87	0.85	0.83	0.77
2	0.89	0.87	0.85	0.89	0.85	0.83	0.86	0.83	0.80	0.83	0.79	0.76	0.78	0.74	0.71	0.66
3	0.78	0.76	0.74	0.78	0.75	0.72	0.77	0.73	0.69	0.74	0.70	0.66	0.71	0.66	0.62	0.57
4	0.70	0.67	0.65	0.70	0.66	0.64	0.69	0.65	0.61	0.68	0.62	0.58	0.65	0.60	0.55	0.51
5	0.63	0.61	0.59	0.63	0.60	0.58	0.63	0.59	0.55	0.62	0.57	0.53	0.60	0.54	0.50	0.46
6	0.58	0.55	0.54	0.58	0.55	0.53	0.58	0.54	0.50	0.58	0.52	0.48	0.56	0.50	0.46	0.42
7	0.53	0.51	0.50	0.54	0.51	0.49	0.54	0.50	0.47	0.54	0.48	0.44	0.53	0.47	0.42	0.39
8	0.50	0.48	0.46	0.50	0.47	0.45	0.51	0.46	0.43	0.51	0.45	0.41	0.50	0.44	0.39	0.36
9	0.47	0.45	0.44	0.47	0.44	0.43	0.48	0.44	0.41	0.48	0.43	0.39	0.48	0.41	0.37	0.34
10	0.44	0.42	0.41	0.45	0.42	0.40	0.45	0.41	0.39	0.46	0.40	0.37	0.45	0.39	0.35	0.32

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

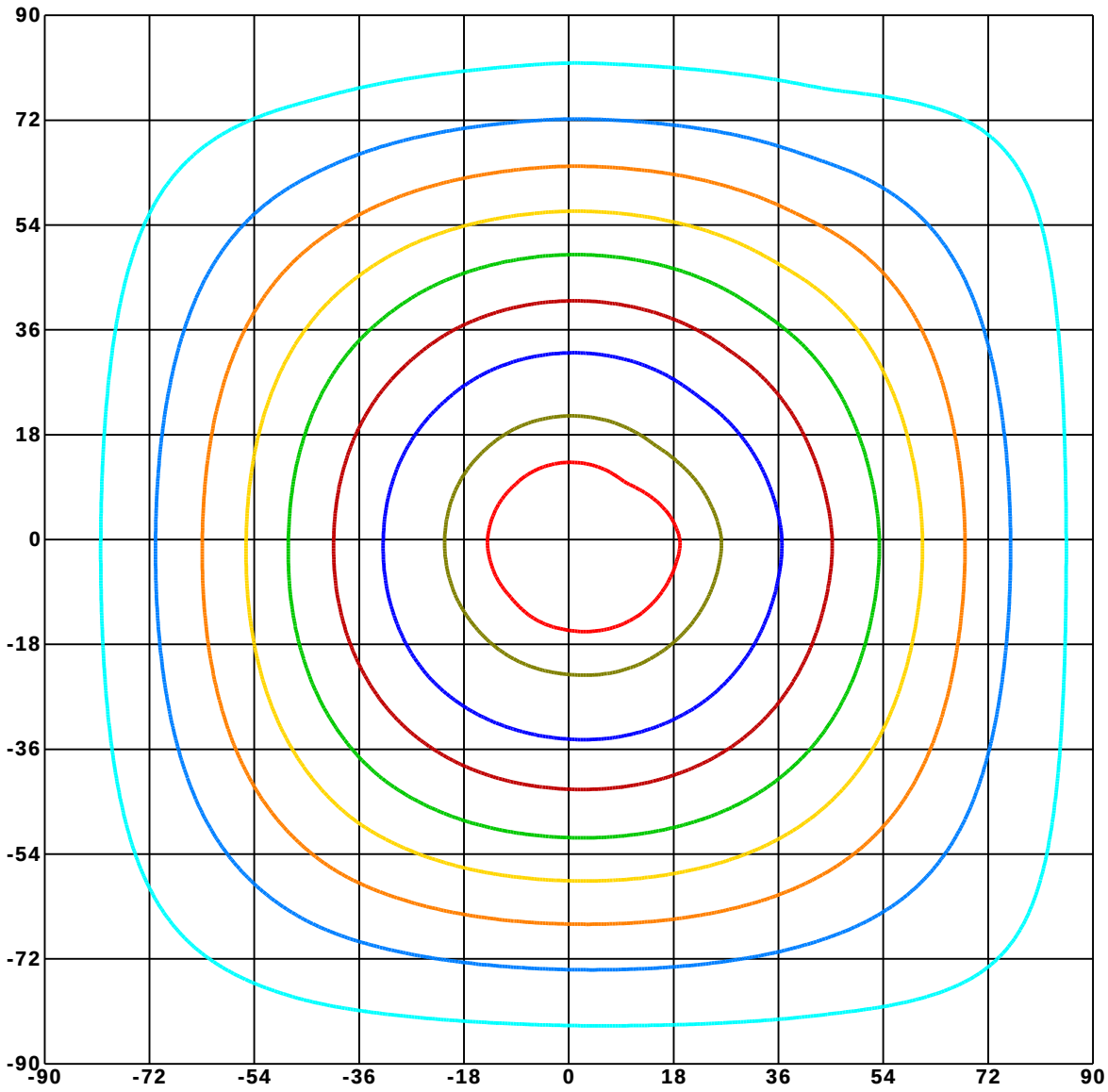


C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/11/17 14:28:48

G Range: 0 - 180 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.: **Test Time: 2026/11/17 14:28:48**

ISOCANDELA DIAGRAM (RECTANGULAR)



Unit of intensity: cd **Imax(100%): 506.814 cd**

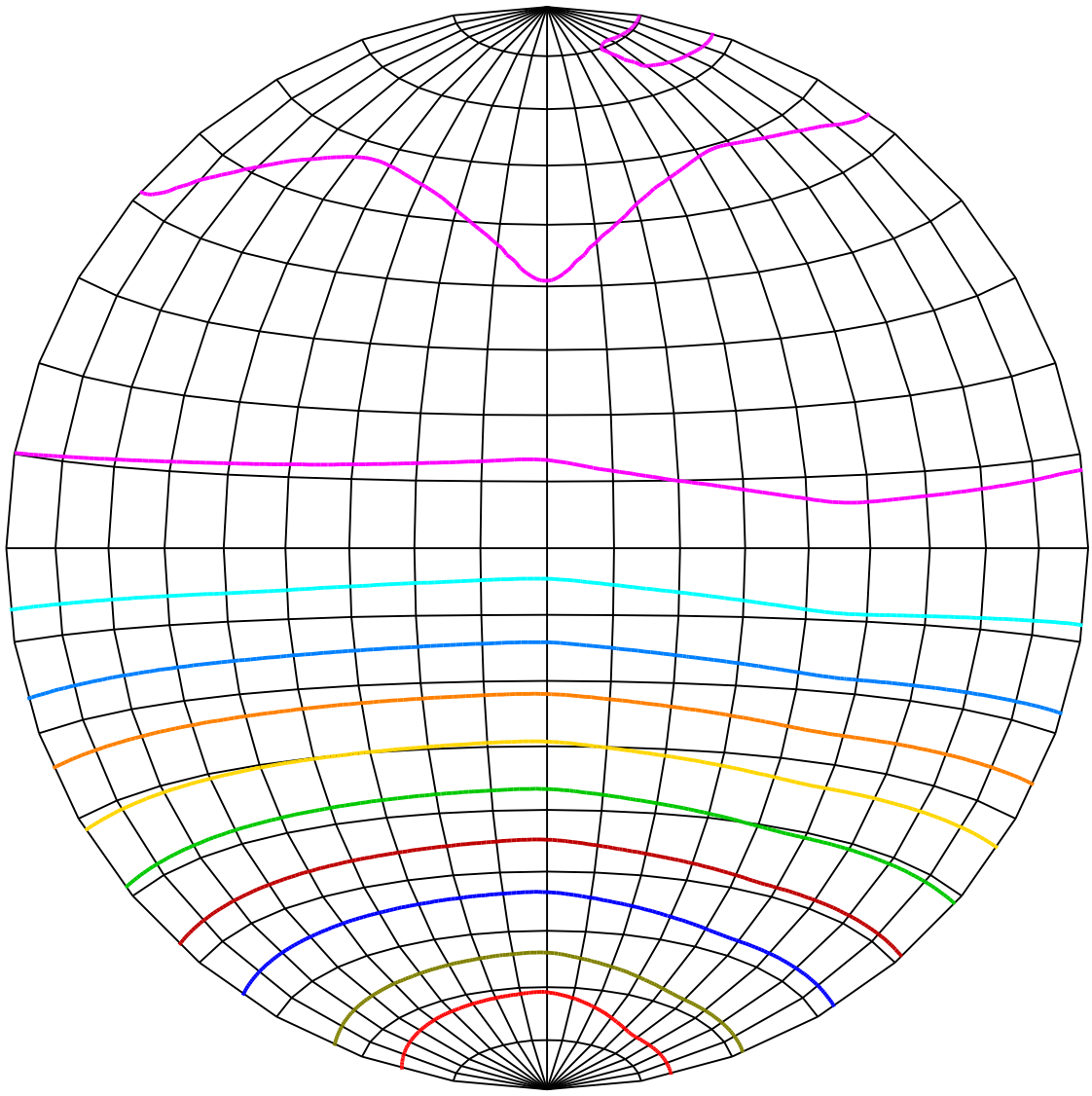
481.473(95%Imax)	253.407(50%Imax)
456.132(90%Imax)	202.725(40%Imax)
405.451(80%Imax)	152.044(30%Imax)
354.769(70%Imax)	101.363(20%Imax)
304.088(60%Imax)	50.681(10%Imax)

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/11/17 14:28:48

G Range: 0 - 180 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.: **Test Time: 2026/11/17 14:28:48**

ISOCANDELA DIAGRAM (SPHERE)



Unit of intensity: cd **Imax(100%): 506.814 cd**

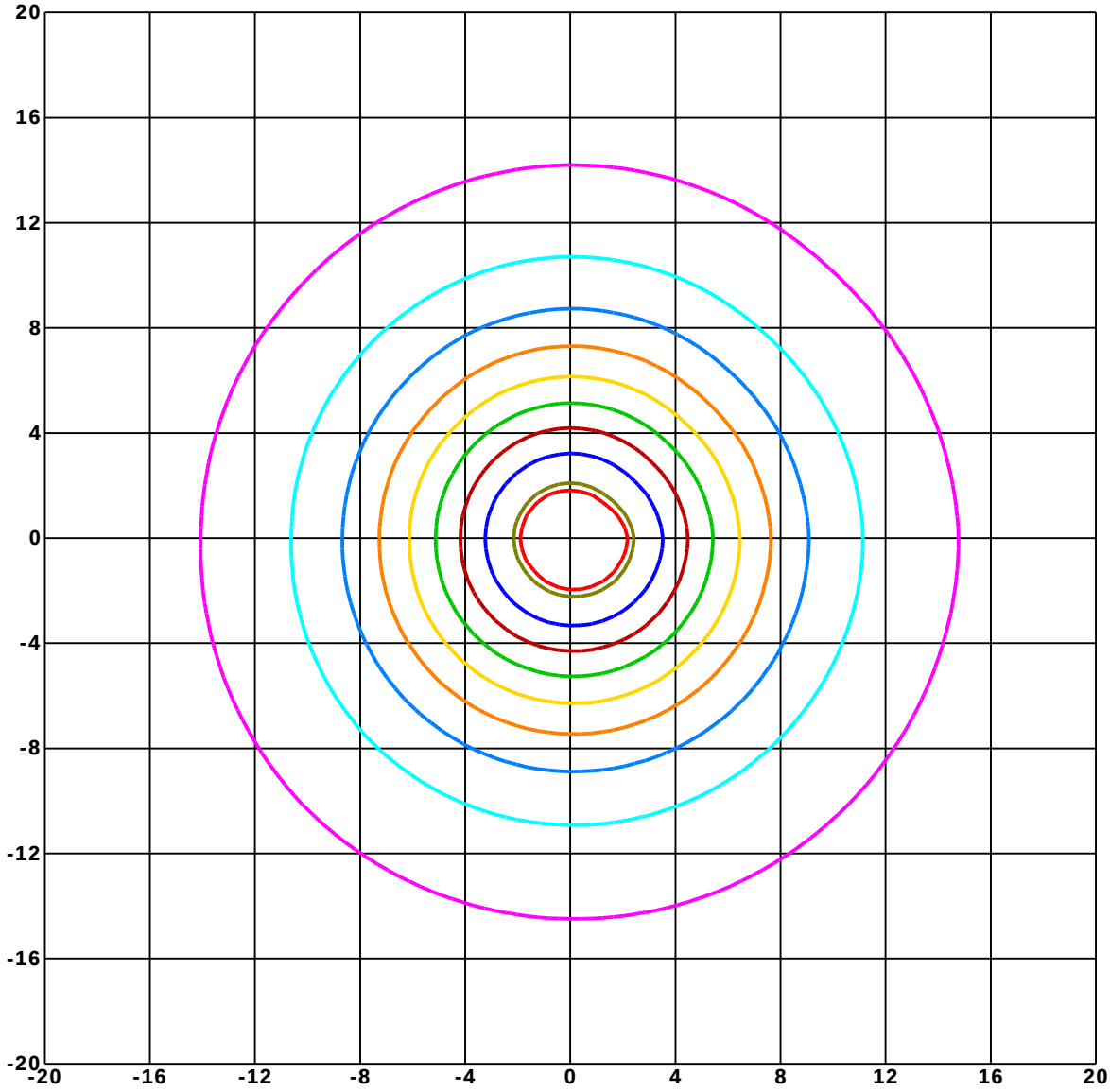
481.473(95%Imax)	253.407(50%Imax)
456.132(90%Imax)	202.725(40%Imax)
405.451(80%Imax)	152.044(30%Imax)
354.769(70%Imax)	101.363(20%Imax)
304.088(60%Imax)	50.681(10%Imax)

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/11/17 14:28:48

G Range: 0 - 180 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.: **Test Time: 2026/11/17 14:28:48**

ISOLX DIAGRAM



Unit of illumination:lx **Height of plane:10.0(m)/32.81(ft)**

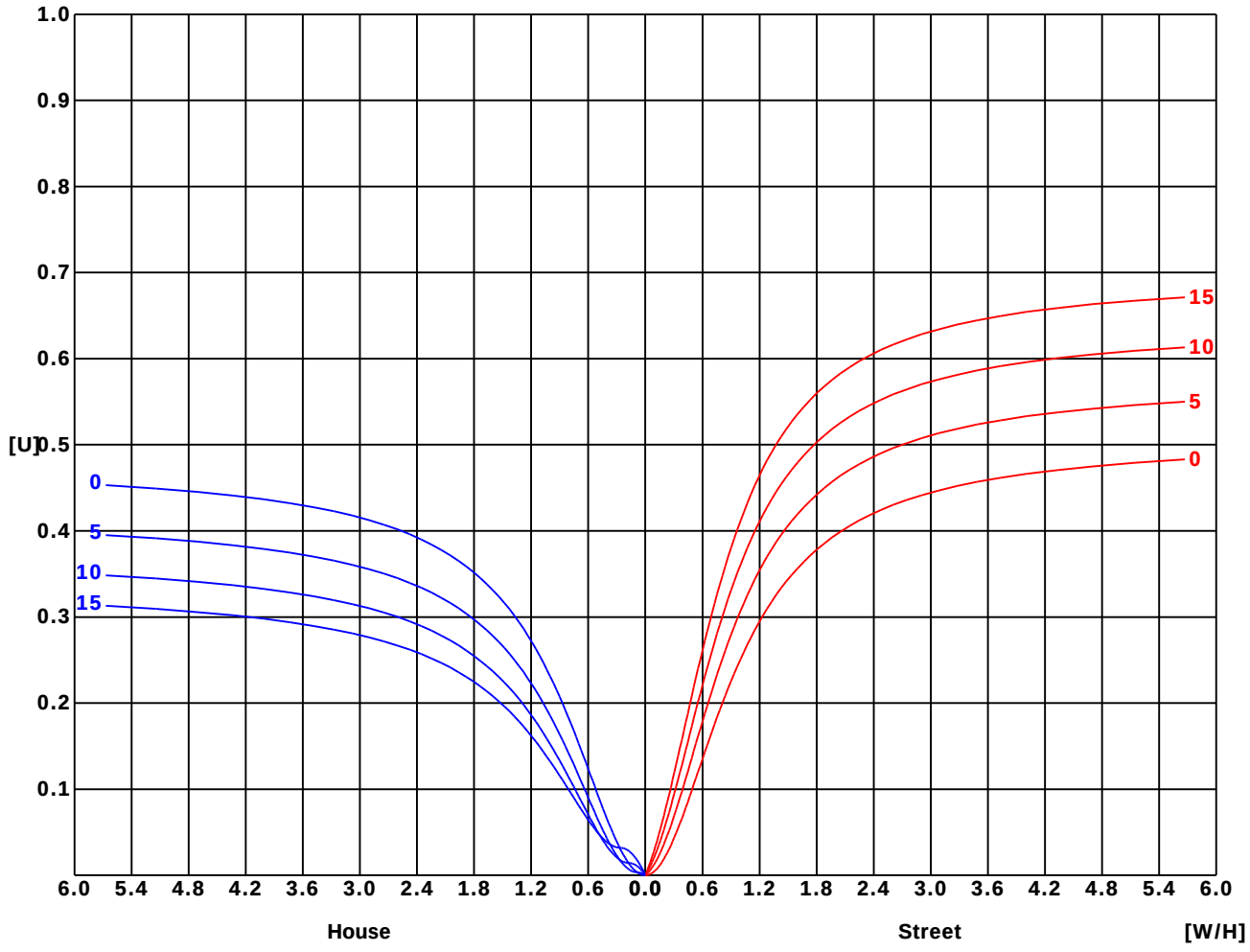
- 4.651(92%Emax)
- 4.55(90%Emax)
- 4.045(80%Emax)
- 3.539(70%Emax)
- 3.033(60%Emax)
- 2.528(50%Emax)
- 2.022(40%Emax)
- 1.517(30%Emax)
- 1.011(20%Emax)
- 0.506(10%Emax)

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/11/17 14:28:48

G Range: 0 - 180 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.: **Test Time: 2026/11/17 14:28:48**

UTILIZATION FACTOR DIAGRAM (ROAD)



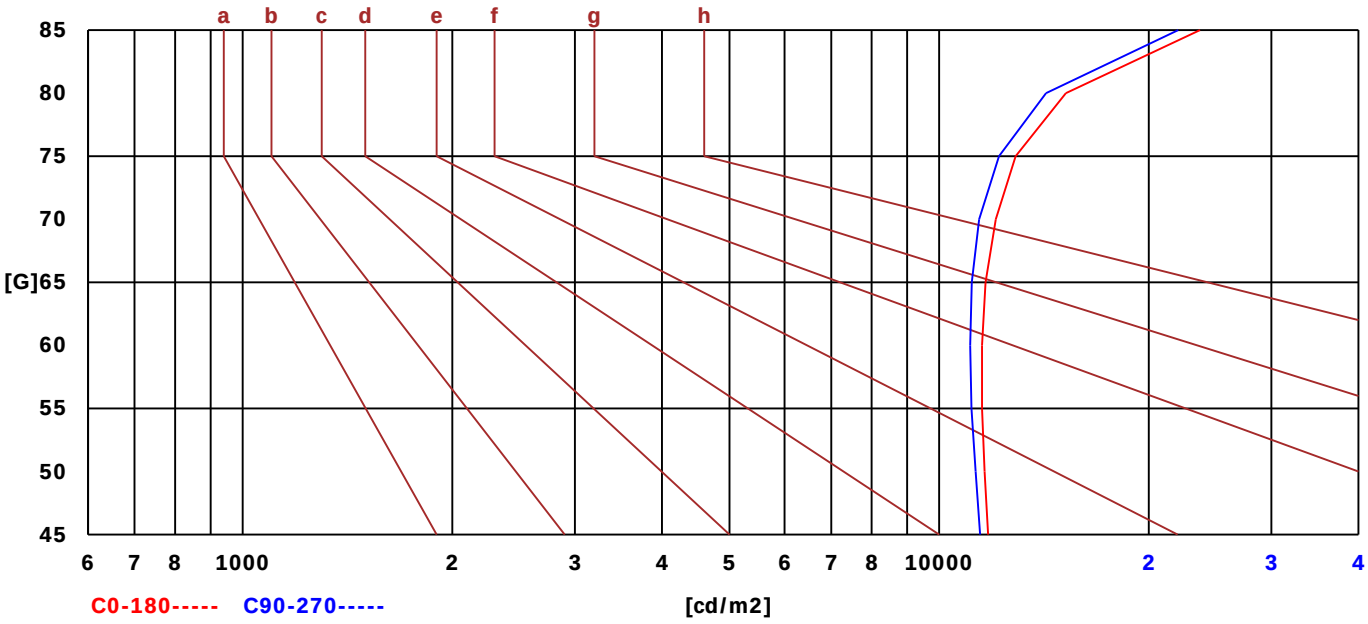
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/11/17 14:28:48

G Range: 0 - 180 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.: **Test Time: 2026/11/17 14:28:48**

BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	11761	11624	11519	11518	11664	12058	12880	15198	23676
C90	11446	11287	11134	11077	11142	11418	12187	14246	22045
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

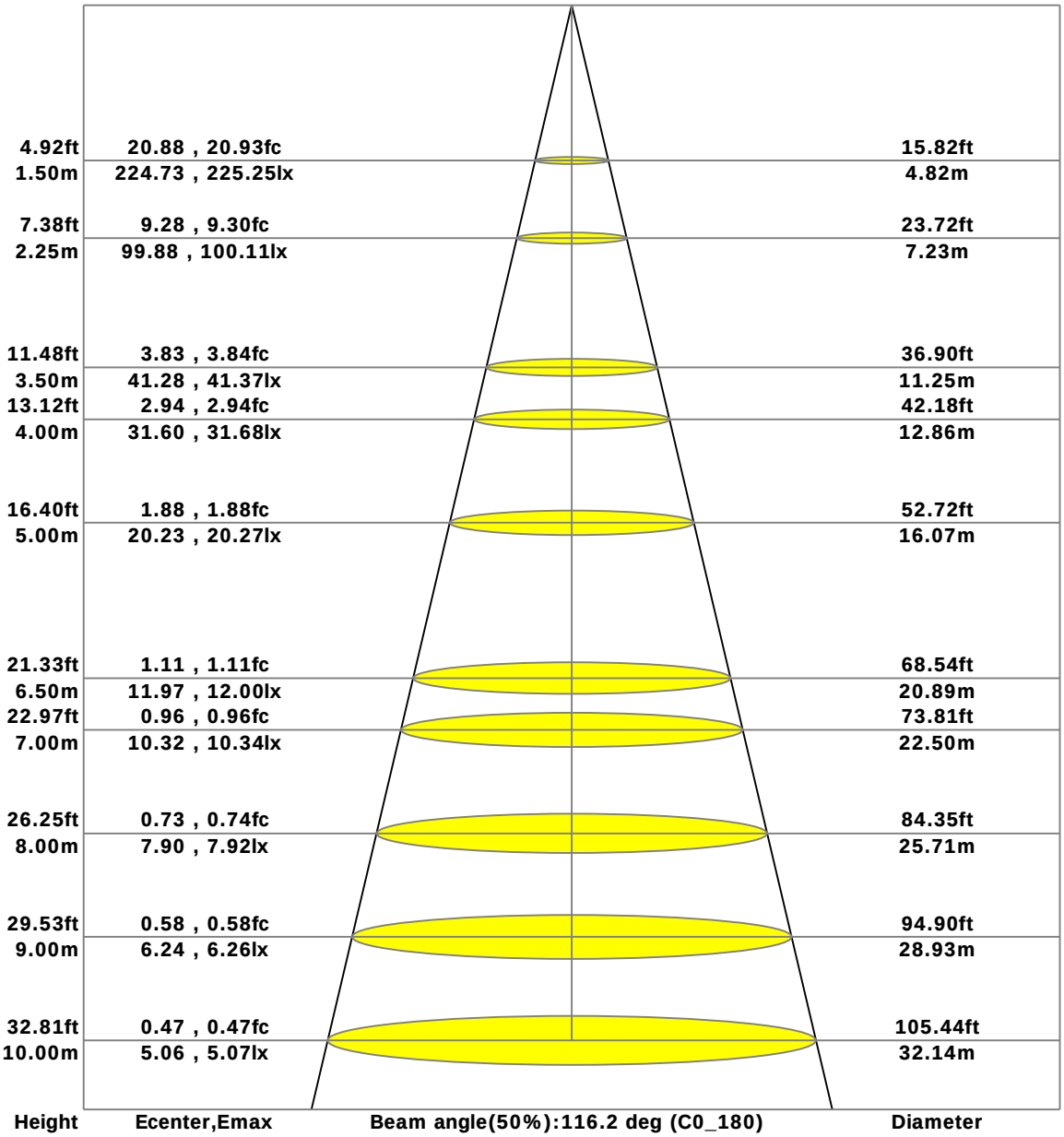


C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/11/17 14:28:48

G Range: 0 - 180 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.: **Test Time: 2026/11/17 14:28:48**

LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/11/17 14:28:48

G Range: 0 - 180 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.: **Test Time: 2026/11/17 14:28:48**

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	21.51	22.09	21.44	22.27	22.52	21.23	21.80	21.15	21.98	22.23
	3H	21.43	21.99	21.40	22.19	22.46	21.18	21.74	21.15	21.94	22.21
	4H	21.33	21.87	21.32	22.08	22.37	21.10	21.64	21.09	21.85	22.14
	6H	21.18	21.70	21.20	21.92	22.24	20.96	21.48	20.97	21.70	22.02
	8H	21.08	21.60	21.12	21.83	22.15	20.86	21.37	20.90	21.60	21.93
	12H	20.99	21.49	21.04	21.72	22.07	20.76	21.26	20.82	21.50	21.84
4H	2H	24.58	25.12	24.57	25.33	25.62	24.09	24.62	24.07	24.83	25.13
	3H	24.64	25.14	24.69	25.38	25.72	24.20	24.69	24.25	24.93	25.27
	4H	24.59	25.06	24.68	25.32	25.69	24.17	24.64	24.26	24.90	25.27
	6H	24.48	24.91	24.61	25.19	25.60	24.09	24.52	24.22	24.80	25.21
	8H	24.40	24.81	24.56	25.10	25.53	24.02	24.43	24.18	24.72	25.15
	12H	24.30	24.68	24.49	24.99	25.44	23.92	24.31	24.11	24.62	25.06
8H	4H	26.02	26.53	26.06	26.76	27.09	25.38	25.89	25.42	26.13	26.45
	6H	26.42	26.78	26.64	27.10	27.57	25.90	26.26	26.12	26.58	27.05
	8H	26.41	26.73	26.65	27.07	27.57	25.91	26.24	26.16	26.57	27.07
	12H	26.37	26.66	26.64	27.01	27.53	25.89	26.18	26.17	26.54	27.06
12H	4H	27.09	27.48	27.28	27.79	28.24	26.47	26.86	26.66	27.16	27.61
	6H	27.25	27.58	27.50	27.92	28.41	26.67	27.00	26.92	27.33	27.83

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/11/17 14:28:48

G Range: 0 - 180 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.: **Test Time: 2026/11/17 14:28:48**

ZONAL LUMINOUS FLUX TABLE-1

Gamma [deg]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0	502.21	0.00	0.00	0.00	0.00
5	500.63	11.97	11.97	0.63	0.63
10	494.36	35.50	47.48	1.88	2.51
15	484.00	57.80	105.28	3.05	5.56
20	469.76	78.13	183.41	4.13	9.69
25	451.02	95.75	279.15	5.06	14.75
30	428.20	110.05	389.20	5.81	20.57
35	402.24	120.75	509.95	6.38	26.95
40	373.70	127.57	637.52	6.74	33.69
45	343.29	130.46	767.97	6.89	40.58
50	311.88	129.81	897.78	6.86	47.44
55	278.08	125.26	1023.04	6.62	54.06
60	243.82	117.35	1140.39	6.20	60.26
65	210.02	106.96	1247.35	5.65	65.91
70	176.90	94.58	1341.93	5.00	70.91
75	145.46	80.90	1422.83	4.27	75.18
80	117.34	67.19	1490.02	3.55	78.73
85	93.58	54.58	1544.60	2.88	81.62
90	74.23	43.67	1588.27	2.31	83.92
95	59.79	34.94	1623.21	1.85	85.77
100	50.59	28.84	1652.04	1.52	87.29
105	45.44	25.04	1677.09	1.32	88.62
110	42.79	22.73	1699.82	1.20	89.82
115	41.61	21.22	1721.04	1.12	90.94
120	41.53	20.19	1741.23	1.07	92.01
125	42.10	19.35	1760.58	1.02	93.03
130	43.31	18.66	1779.24	0.99	94.01
135	45.21	18.02	1797.26	0.95	94.97
140	47.60	17.34	1814.60	0.92	95.88
145	50.23	16.48	1831.09	0.87	96.75
150	52.84	15.32	1846.40	0.81	97.56
155	54.65	13.71	1860.12	0.72	98.29
160	55.44	11.59	1871.71	0.61	98.90
165	54.75	9.08	1880.78	0.48	99.38
170	53.28	6.38	1887.17	0.34	99.72
175	56.06	3.94	1891.11	0.21	99.93
180	59.78	1.40	1892.50	0.07	100.00

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/11/17 14:28:48

G Range: 0 - 180 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.: **Test Time: 2026/11/17 14:28:48**

ZONAL LUMINOUS FLUX TABLE-2

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	φ zonal	φ total	%lum	%lamp
10	501.7	489.2	488.9	489.8	491.5	489.8	493.5	497.9	10	47.5	47.5	2.5	2.5
20	480.4	462.5	461.8	459.2	461.5	463.4	467.9	474.7	20	135.9	183.4	9.7	9.7
30	439.5	419.0	417.3	413.2	415.0	420.5	426.4	434.2	30	205.8	389.2	20.6	20.6
40	386.6	363.5	361.9	355.1	357.0	365.8	372.8	380.3	40	248.3	637.5	33.7	33.7
50	327.6	298.9	297.4	290.2	290.8	305.6	312.1	319.9	50	260.3	897.8	47.4	47.4
60	258.9	230.4	229.4	221.5	221.8	238.5	243.7	251.6	60	242.6	1140.4	60.3	60.3
70	190.4	165.0	165.4	156.2	157.7	171.2	176.0	182.5	70	201.5	1341.9	70.9	70.9
80	128.7	105.6	110.0	99.0	102.9	112.8	118.3	120.8	80	148.1	1490.0	78.7	78.7
90	83.2	64.8	70.3	60.0	65.5	71.8	75.6	76.7	90	98.3	1588.3	83.9	83.9
100	55.0	45.1	49.2	43.3	47.4	50.5	50.8	53.1	100	63.8	1652.0	87.3	87.3
110	47.8	37.4	43.9	36.0	43.7	41.5	46.0	43.3	110	47.8	1699.8	89.8	89.8
120	48.1	35.0	44.5	34.3	45.1	38.7	47.3	39.3	120	41.4	1741.2	92.0	92.0
130	51.1	36.9	48.0	35.9	48.3	38.5	51.0	39.4	130	38.0	1779.2	94.0	94.0
140	54.4	43.2	50.3	42.9	51.3	43.7	55.0	44.1	140	35.4	1814.6	95.9	95.9
150	56.2	50.8	53.2	51.0	54.0	51.5	57.6	52.4	150	31.8	1846.4	97.6	97.6
160	59.1	51.3	51.7	52.6	54.9	55.9	59.9	57.8	160	25.3	1871.7	98.9	98.9
170	57.3	49.3	50.1	49.4	53.1	52.5	56.4	56.5	170	15.5	1887.2	99.7	99.7
180	62.4	0.0	0.0	0.0	37.5	57.8	59.7	59.3	180	5.3	1892.5	100.0	100.0

Conical surface Flux(90deg) : 768.0 lm

%lum = 40.6%

%lamp = 40.6%

Conical surface Flux(120deg) : 1140.4 lm

%lum = 60.3%

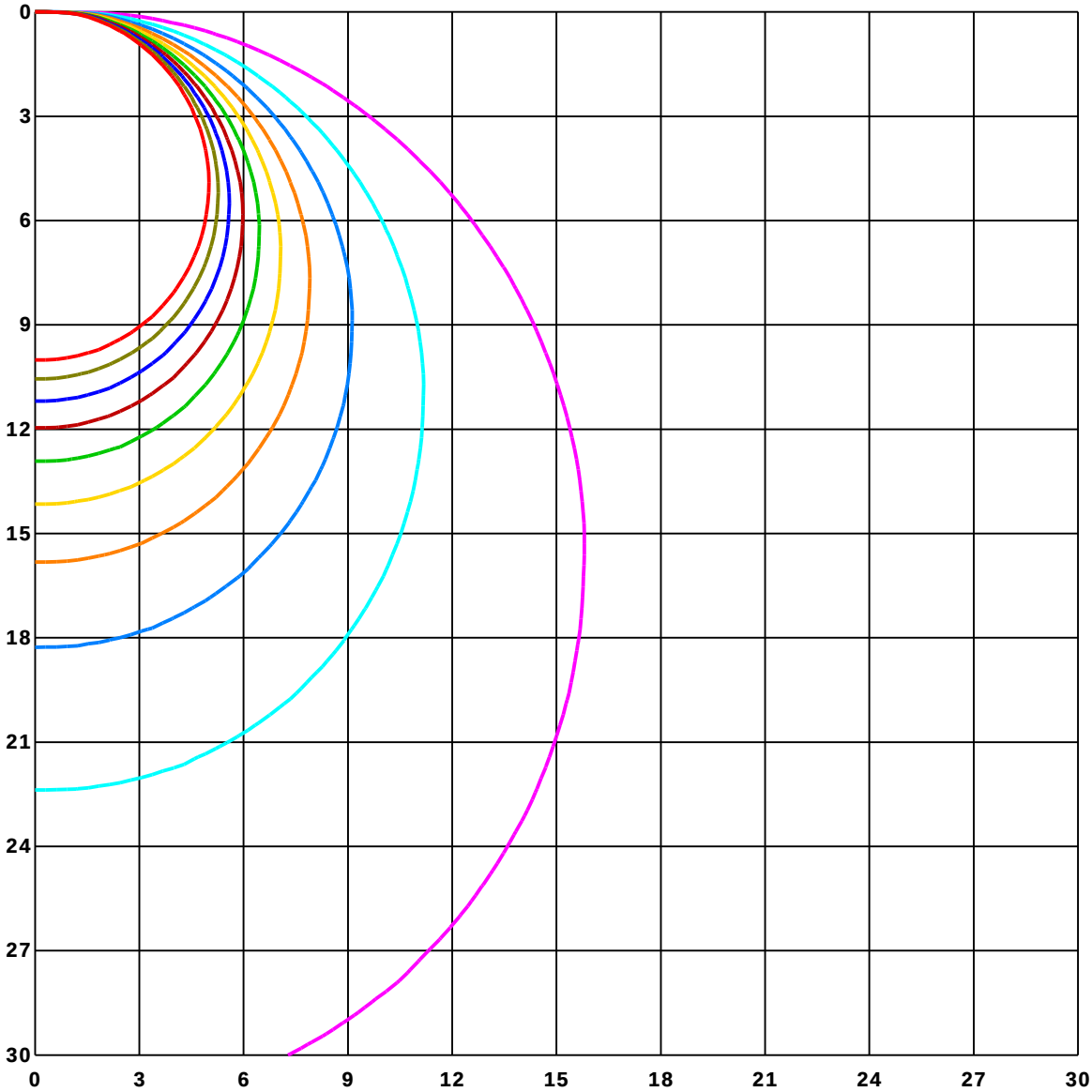
%lamp = 60.3%

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/11/17 14:28:48

G Range: 0 - 180 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.: **Test Time: 2026/11/17 14:28:48**

SPACE ISOLX DIAGRAM



Unit of illumination:lx

5.048	2.524
4.543	2.019
4.038	1.514
3.533	1.01
3.029	0.505

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/11/17 14:28:48

G Range: 0 - 180 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.: **Test Time: 2026/11/17 14:28:48**

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	505.64	498.47	500.81	503.91	505.64	498.47	500.81	503.91	505.64	
G1	505.64	498.83	499.84	502.26	506.09	498.47	500.6	503.43	505.64	
G2	506.21	498.14	499.35	501.25	503.99	497.78	500.48	503.22	506.21	
G3	506.61	497.3	498.67	500.44	504.47	498.43	499.84	503.91	506.61	
G4	506.81	497.02	498.51	500.0	502.58	497.1	500.48	502.54	506.81	
G5	505.4	497.18	497.1	498.43	500.6	496.69	499.11	502.54	505.4	
G6	506.05	495.48	495.4	497.66	499.76	496.13	497.98	502.22	506.05	
G7	504.68	493.59	494.35	496.05	497.42	494.96	497.66	500.89	504.68	
G8	504.27	492.22	492.66	493.63	495.97	493.31	495.72	500.28	504.27	
G9	502.9	490.72	490.52	491.49	494.27	491.13	494.76	499.11	502.9	
G10	501.69	489.23	488.87	489.8	491.49	489.76	493.51	497.9	501.69	
G11	502.18	486.97	486.29	487.82	489.76	488.67	492.22	496.09	502.18	
G12	498.39	484.88	484.03	484.88	487.02	486.05	489.64	494.43	498.39	
G13	496.65	483.31	482.26	481.97	484.03	483.75	487.5	493.39	496.65	
G14	494.72	480.52	478.95	478.79	481.45	481.45	485.28	490.85	494.72	
G15	492.58	477.58	476.89	477.58	478.63	479.19	483.1	488.71	492.58	
G16	490.64	474.76	473.91	473.14	476.77	475.85	480.2	486.61	490.64	
G17	487.78	472.58	470.56	471.17	471.89	472.98	477.18	483.71	487.78	
G18	485.4	469.8	467.66	466.85	468.51	470.56	474.11	480.52	485.4	
G19	482.14	465.93	464.64	462.82	465.52	467.94	471.29	477.82	482.14	
G20	480.4	462.5	461.77	459.15	461.49	463.43	467.9	474.68	480.4	
G21	477.14	458.55	457.02	456.01	457.5	459.47	464.43	472.02	477.14	
G22	472.38	455.48	452.9	452.1	453.14	455.77	460.44	468.51	472.38	
G23	468.75	451.17	448.87	447.02	449.23	452.74	456.61	464.15	468.75	
G24	465.64	447.3	445.24	442.5	445.64	448.35	452.94	460.52	465.64	
G25	461.65	443.02	440.89	437.86	440.4	443.75	449.47	455.81	461.65	
G26	457.66	438.22	435.68	433.83	435.36	439.07	444.56	452.7	457.66	
G27	453.14	433.91	431.37	428.31	430.08	434.96	439.92	447.74	453.14	
G28	448.83	428.87	426.61	423.35	425.72	430.04	435.97	443.79	448.83	
G29	444.39	423.91	421.61	418.75	420.77	426.25	431.13	438.83	444.39	
G30	439.47	418.95	417.3	413.23	414.96	420.52	426.37	434.19	439.47	
G31	435.52	413.75	410.89	407.58	409.8	415.89	421.53	429.47	435.52	
G32	430.68	408.59	405.68	402.94	404.64	411.21	416.37	424.88	430.68	
G33	425.08	403.27	400.4	396.57	399.11	407.22	411.53	419.56	425.08	
G34	420.04	397.5	395.2	390.64	392.54	400.08	406.61	415.28	420.04	
G35	414.76	392.26	390.28	385.77	386.81	395.77	402.1	409.31	414.76	
G36	409.39	386.61	384.11	379.15	381.53	389.56	395.12	403.59	409.39	

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/11/17 14:28:48

G Range: 0 - 180 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.: **Test Time: 2026/11/17 14:28:48**

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	403.87	381.73	378.35	374.03	375.52	384.19	390.4	398.27	403.87	
G38	398.79	375.08	372.34	367.78	368.99	378.35	384.03	392.22	398.79	
G39	392.78	368.91	366.45	361.25	363.43	371.89	378.23	386.65	392.78	
G40	386.57	363.51	361.85	355.08	357.02	365.81	372.78	380.32	386.57	
G41	381.21	357.7	354.56	349.48	350.56	359.27	366.45	374.23	381.21	
G42	375.0	352.1	348.75	343.02	344.68	353.35	359.76	368.35	375.0	
G43	368.55	345.4	342.86	336.41	338.1	348.43	353.91	362.38	368.55	
G44	362.42	338.55	336.01	330.28	332.34	343.14	347.9	355.64	362.42	
G45	356.81	332.66	330.2	323.75	324.76	336.93	342.9	348.95	356.81	
G46	351.57	325.68	323.47	317.02	318.39	330.85	336.33	343.27	351.57	
G47	346.01	319.07	316.93	310.64	311.41	325.36	330.89	337.42	346.01	
G48	339.68	312.22	310.32	303.87	304.76	319.07	324.88	332.14	339.68	
G49	333.55	306.05	303.51	297.02	297.98	312.66	318.55	325.73	333.55	
G50	327.62	298.87	297.42	290.2	290.81	305.64	312.1	319.88	327.62	
G51	320.97	292.26	290.44	283.35	283.83	299.19	305.16	312.94	320.97	
G52	313.87	285.32	283.35	276.21	276.81	292.3	298.91	306.53	313.87	
G53	307.18	278.31	276.13	268.63	269.96	285.52	291.81	299.92	307.18	
G54	300.16	271.41	269.72	262.9	263.39	279.19	284.72	293.14	300.16	
G55	293.79	264.27	263.18	255.44	255.77	272.42	278.02	286.05	293.79	
G56	286.57	257.62	255.89	248.55	248.71	265.81	270.89	279.31	286.57	
G57	279.68	250.97	249.31	241.94	241.98	258.47	263.99	272.26	279.68	
G58	273.35	244.03	242.3	234.96	235.24	251.85	257.34	265.69	273.35	
G59	265.85	237.02	235.81	228.35	228.95	245.28	250.44	258.83	265.85	
G60	258.91	230.36	229.44	221.53	221.81	238.47	243.71	251.57	258.91	
G61	252.7	223.79	222.34	214.76	214.8	231.57	236.69	244.48	252.7	
G62	245.12	216.94	215.85	208.14	208.39	224.88	229.96	237.66	245.12	
G63	238.19	210.52	209.56	201.49	201.85	218.51	223.63	230.73	238.19	
G64	231.21	203.63	203.51	194.84	195.28	211.33	216.41	223.95	231.21	
G65	224.44	197.18	196.81	188.35	189.15	204.56	209.6	217.42	224.44	
G66	217.62	190.85	190.4	181.98	182.7	198.06	202.78	210.08	217.62	
G67	210.77	184.27	184.11	175.4	176.21	191.25	195.97	202.82	210.77	
G68	203.83	177.74	177.86	168.83	170.04	184.39	189.31	196.29	203.83	
G69	196.57	171.13	171.69	162.42	163.87	177.78	182.42	189.31	196.57	
G70	190.44	164.96	165.44	156.21	157.66	171.21	176.01	182.54	190.44	
G71	183.83	158.31	159.6	150.12	151.45	164.88	169.39	175.81	183.83	
G72	176.57	151.73	153.47	143.83	145.73	158.47	163.02	169.15	176.57	
G73	170.24	145.6	147.3	137.74	139.76	152.38	156.94	162.78	170.24	

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/11/17 14:28:48

G Range: 0 - 180 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.: **Test Time: 2026/11/17 14:28:48**

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 2)

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G74	163.79	139.35	141.53	131.49	134.27	145.89	151.09	156.29	163.79	
G75	157.86	133.35	136.33	126.17	128.35	140.0	145.2	150.16	157.86	
G76	152.14	127.46	130.4	120.08	122.78	134.44	139.15	144.11	152.14	
G77	145.73	121.73	124.92	114.84	117.7	128.67	133.55	137.82	145.73	
G78	140.16	116.09	119.88	109.15	112.46	123.51	128.14	132.34	140.16	
G79	134.11	110.69	114.76	103.91	107.74	118.19	122.82	126.53	134.11	
G80	128.67	105.56	110.04	98.95	102.86	112.82	118.27	120.85	128.67	
G81	123.59	100.48	105.44	94.11	98.43	107.74	112.86	115.56	123.59	
G82	118.27	95.73	100.89	89.72	94.03	102.98	108.06	110.64	118.27	
G83	113.55	91.21	96.49	85.2	90.08	98.87	103.39	105.81	113.55	
G84	108.51	86.81	92.42	80.85	86.09	94.07	98.95	100.93	108.51	
G85	103.91	82.54	88.27	76.85	82.3	89.92	94.6	96.41	103.91	
G86	99.64	78.59	84.27	72.82	78.39	85.85	90.52	91.94	99.64	
G87	95.28	74.88	80.48	69.23	75.0	81.98	86.45	87.86	95.28	
G88	91.13	71.25	76.98	65.97	71.65	78.27	82.62	83.87	91.13	
G89	87.1	67.9	73.47	62.7	68.59	75.0	78.91	80.2	87.1	
G90	83.19	64.76	70.32	59.96	65.48	71.77	75.56	76.69	83.19	
G91	79.56	61.85	67.18	57.3	62.54	68.63	71.98	73.35	79.56	
G92	76.09	59.11	64.19	55.04	59.92	65.93	68.83	70.4	76.09	
G93	72.7	56.61	61.37	52.94	57.42	63.31	65.69	67.58	72.7	
G94	69.6	54.4	58.83	51.13	55.2	61.17	62.9	65.08	69.6	
G95	66.61	52.5	56.69	49.64	53.23	58.95	60.24	62.62	66.61	
G96	64.03	50.69	54.35	48.1	51.69	56.98	57.74	60.52	64.03	
G97	61.37	49.23	52.62	46.81	50.36	55.12	55.52	58.47	61.37	
G98	59.03	47.62	51.29	45.6	49.27	53.51	53.59	56.45	59.03	
G99	56.98	46.33	50.12	44.4	48.39	51.94	51.98	54.64	56.98	
G100	55.0	45.08	49.15	43.27	47.42	50.48	50.77	53.1	55.0	
G101	53.59	43.87	48.15	42.34	46.69	49.15	49.8	51.57	53.59	
G102	52.14	42.86	47.34	41.41	46.05	48.02	49.03	50.2	52.14	
G103	51.17	41.9	46.57	40.48	45.52	46.81	48.27	48.95	51.17	
G104	50.4	41.05	45.97	39.68	45.08	45.85	47.7	47.82	50.4	
G105	49.72	40.24	45.48	39.03	44.64	45.04	47.3	46.85	49.72	
G106	49.27	39.6	45.12	38.23	44.35	44.15	46.77	45.89	49.27	
G107	48.71	39.11	44.64	37.58	44.11	43.39	46.45	45.16	48.71	
G108	48.35	38.47	44.31	36.9	43.95	42.66	46.17	44.44	48.35	
G109	48.1	37.94	44.07	36.37	43.95	42.1	45.97	43.83	48.1	
G110	47.82	37.38	43.91	36.01	43.75	41.53	46.01	43.31	47.82	

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/11/17 14:28:48

G Range: 0 - 180 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.: **Test Time: 2026/11/17 14:28:48**

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 3)

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G111	47.66	36.94	43.75	35.65	43.71	41.13	45.77	42.74	47.66	
G112	47.42	36.53	43.75	35.56	43.75	40.65	45.81	42.14	47.42	
G113	47.38	36.25	43.67	35.24	43.79	40.4	45.81	41.61	47.38	
G114	47.38	36.05	43.63	35.0	44.03	39.92	45.93	40.93	47.38	
G115	47.38	35.77	43.91	35.24	44.03	39.64	46.29	40.44	47.38	
G116	47.62	35.6	43.83	35.08	44.15	39.44	46.21	40.12	47.62	
G117	47.58	35.65	44.03	35.04	44.44	39.27	46.41	39.84	47.58	
G118	47.66	35.32	44.03	34.88	44.68	39.11	46.69	39.6	47.66	
G119	47.86	35.08	44.27	34.64	44.96	39.07	46.9	39.48	47.86	
G120	48.06	35.0	44.52	34.31	45.12	38.75	47.34	39.27	48.06	
G121	48.39	34.88	44.8	34.15	45.32	38.59	47.58	39.23	48.39	
G122	48.51	35.04	45.08	34.07	45.52	38.47	47.86	39.35	48.51	
G123	48.83	35.24	45.36	34.03	45.89	38.31	48.23	39.48	48.83	
G124	49.19	35.32	45.69	34.03	46.21	38.19	48.63	39.52	49.19	
G125	49.48	35.52	46.05	34.23	46.49	38.1	49.07	39.52	49.48	
G126	49.72	35.6	46.37	34.35	46.81	38.06	49.31	39.56	49.72	
G127	50.12	35.85	46.73	34.76	47.3	38.15	49.76	39.44	50.12	
G128	50.4	36.09	47.1	35.12	47.58	38.35	50.2	39.4	50.4	
G129	50.77	36.49	47.54	35.44	47.9	38.43	50.56	39.31	50.77	
G130	51.09	36.94	47.98	35.89	48.31	38.55	50.97	39.35	51.09	
G131	51.45	37.46	48.35	36.29	48.71	38.83	51.25	39.44	51.45	
G132	51.77	37.98	48.67	36.65	49.15	39.11	51.73	39.76	51.77	
G133	52.1	38.63	49.07	37.3	49.52	39.56	52.22	40.12	52.1	
G134	52.34	39.19	49.44	37.86	49.88	39.96	52.58	40.44	52.34	
G135	52.78	39.88	49.64	38.51	50.16	40.56	53.02	40.89	52.78	
G136	52.98	40.48	49.88	39.23	50.48	41.13	53.35	41.41	52.98	
G137	53.39	41.17	49.88	40.16	50.73	41.77	53.83	41.98	53.39	
G138	53.71	41.69	49.88	41.01	50.89	42.26	54.31	42.62	53.71	
G139	54.07	42.62	49.92	41.85	51.21	43.02	54.72	43.39	54.07	
G140	54.4	43.23	50.32	42.86	51.29	43.67	55.04	44.07	54.4	
G141	54.72	43.95	50.28	43.79	51.57	44.4	55.48	44.8	54.72	
G142	54.84	44.76	50.65	44.68	51.85	45.08	55.69	45.69	54.84	
G143	55.0	45.48	50.73	45.56	52.1	45.89	55.97	46.41	55.0	
G144	55.12	46.37	51.21	46.41	52.74	46.57	56.21	47.22	55.12	
G145	55.12	47.18	51.61	47.5	52.74	47.34	56.37	48.19	55.12	
G146	55.48	47.9	51.85	48.19	52.9	48.23	56.53	48.95	55.48	
G147	55.48	48.75	52.1	48.83	53.43	49.07	56.61	49.8	55.48	

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/11/17 14:28:48

G Range: 0 - 180 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.: **Test Time: 2026/11/17 14:28:48**

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 4)

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G148	55.69	49.44	52.38	49.6	53.59	49.88	56.9	50.77	55.69	
G149	55.93	50.12	52.86	50.4	54.03	50.73	57.1	51.57	55.93	
G150	56.25	50.81	53.23	51.01	54.03	51.45	57.62	52.42	56.25	
G151	56.73	51.21	53.35	51.65	54.35	52.14	57.62	53.1	56.73	
G152	56.69	51.33	53.35	52.14	54.76	52.74	57.98	53.79	56.69	
G153	57.1	51.33	53.15	52.54	54.88	53.55	58.19	54.4	57.1	
G154	57.46	51.25	53.19	52.74	55.16	54.07	58.35	54.96	57.46	
G155	57.82	51.13	53.1	52.86	55.2	54.64	58.83	55.4	57.82	
G156	58.1	51.13	52.86	52.78	55.36	55.24	59.15	55.89	58.1	
G157	58.35	51.21	52.66	52.74	55.4	55.69	59.27	56.45	58.35	
G158	58.71	51.41	52.46	52.74	55.32	55.93	59.56	57.14	58.71	
G159	58.99	51.37	52.1	52.7	55.2	56.05	59.72	57.38	58.99	
G160	59.11	51.33	51.69	52.58	54.88	55.93	59.92	57.78	59.11	
G161	59.48	51.25	51.13	52.42	54.76	55.93	59.76	58.15	59.48	
G162	59.48	51.21	50.69	52.3	54.48	55.77	59.44	58.39	59.48	
G163	59.31	51.17	50.32	52.18	54.27	55.81	59.15	58.27	59.31	
G164	58.99	50.97	49.8	51.9	54.07	55.28	58.91	58.1	58.99	
G165	58.63	50.69	49.64	51.61	53.87	54.92	58.51	57.98	58.63	
G166	58.43	50.6	49.6	51.17	53.83	54.56	57.98	57.9	58.43	
G167	57.94	50.28	49.6	50.81	53.67	53.95	57.22	57.58	57.94	
G168	57.7	50.08	49.64	50.12	53.63	53.51	56.85	57.18	57.7	
G169	57.66	49.68	49.44	49.52	53.55	52.94	56.57	56.85	57.66	
G170	57.34	49.31	50.12	49.44	53.1	52.46	56.41	56.45	57.34	
G171	57.14	50.6	53.71	53.43	53.31	52.14	56.25	55.97	57.14	
G172	56.57	55.16	55.89	55.56	55.97	51.45	55.89	55.4	56.57	
G173	56.21	57.54	56.94	56.65	58.02	50.77	55.36	54.88	56.21	
G174	57.26	57.5	57.42	57.54	59.4	50.56	54.56	54.27	57.26	
G175	59.68	57.7	58.23	57.14	60.2	53.79	54.48	55.6	59.68	
G176	60.48	58.06	58.51	57.22	60.89	57.02	57.22	59.64	60.48	
G177	61.01	58.35	59.03	57.82	61.41	57.3	58.59	60.2	61.01	
G178	61.45	58.63	59.6	58.51	61.98	57.18	59.15	60.36	61.45	
G179	61.98	58.87	59.6	58.75	62.22	57.62	59.44	59.8	61.98	
G180	62.4	0.0	0.0	0.0	37.48	57.83	59.75	59.34	62.4	

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/11/17 14:28:48

G Range: 0 - 180 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks: