

Report No.:

Test Time: 2026/7/24 9:06:19

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: 0
Luminaire Type: E25173-CHK
Lamp Type:
Luminous Width: 0 mm
Luminous Length: 0 mm
Luminous Height: 0 mm

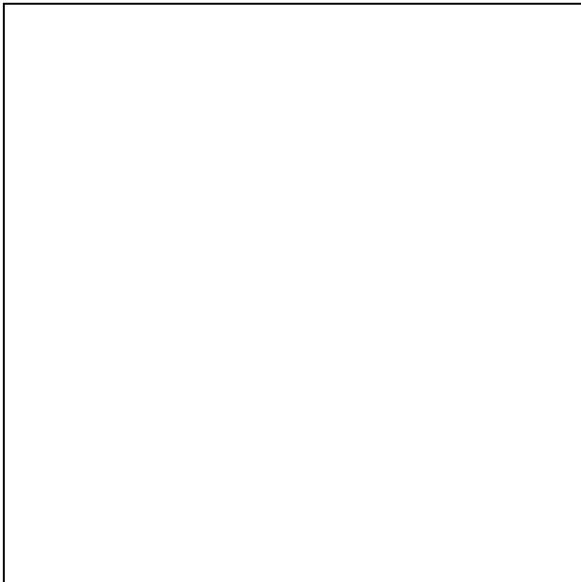
Voltage(V): 119.90 V
Current(A): 0.2050 A
Power(W): 24.22 W
Power Factor: 0.9840
Lamp Luminous Flux: 1251.58

Photometric Results

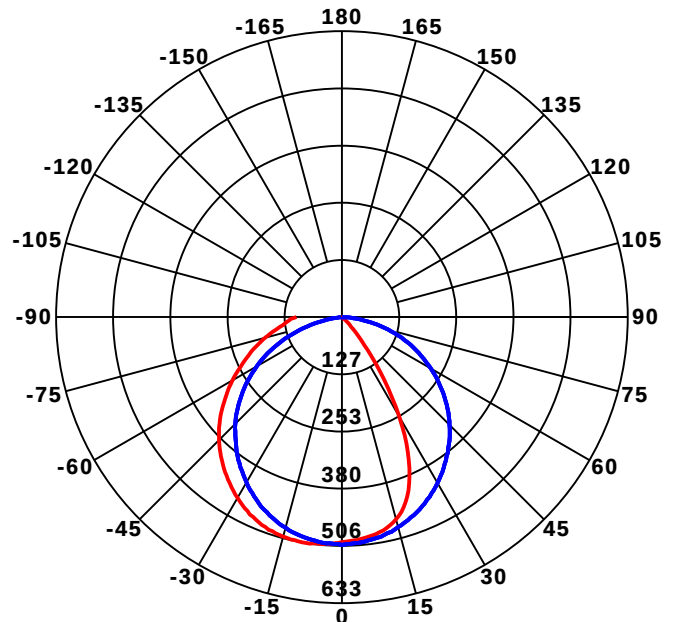
CIE Class: Direct
Luminaire Luminous Flux: 1251.583 lm
Downward Ratio: 100.00%
Luminaire Efficacy Rating(LER): 51.68 lm/W
Beam Angle(50%) C0-180,C90-270: 93.5,112.7
Field Angle(10%) C0-180,C90-270: 31.5,160.0
S/MH C0-180,C90-270: 1.109,1.250

Max. Intensity: 506.17 cd
Max.Intensity Angle: C=180 Gamma=10
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 497.98 cd
Effective Luminous Flux: 1231.00 lm
ERP(ϕ use)(120deg): 982.53 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 93.5 deg,112.7 deg

Average Beam Angle:103.1 deg

C0-180 — C90-270

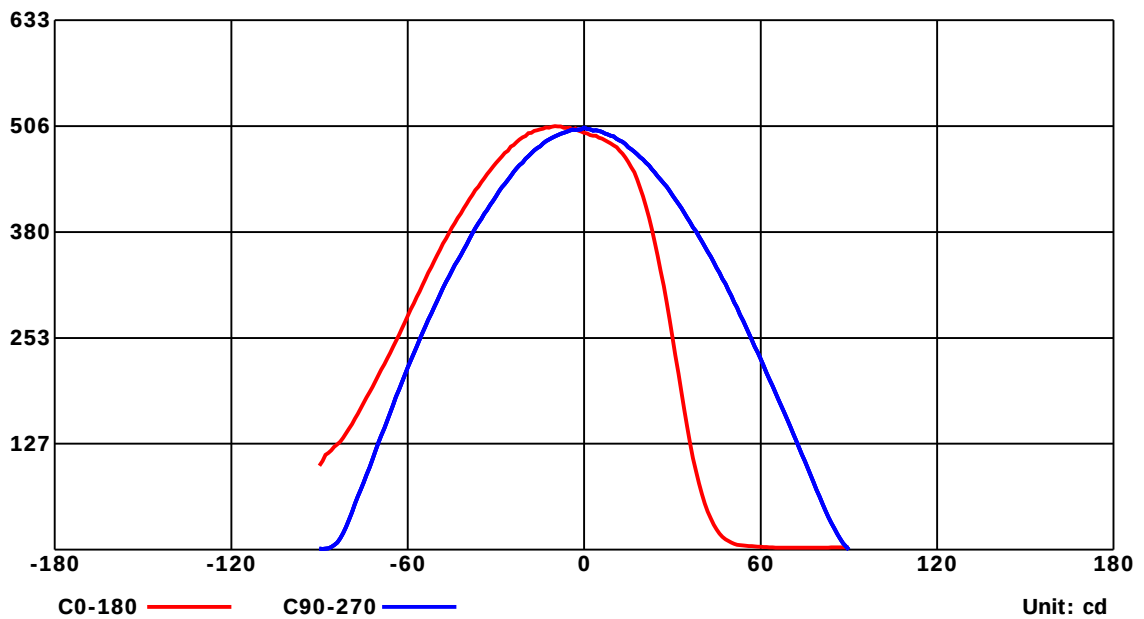
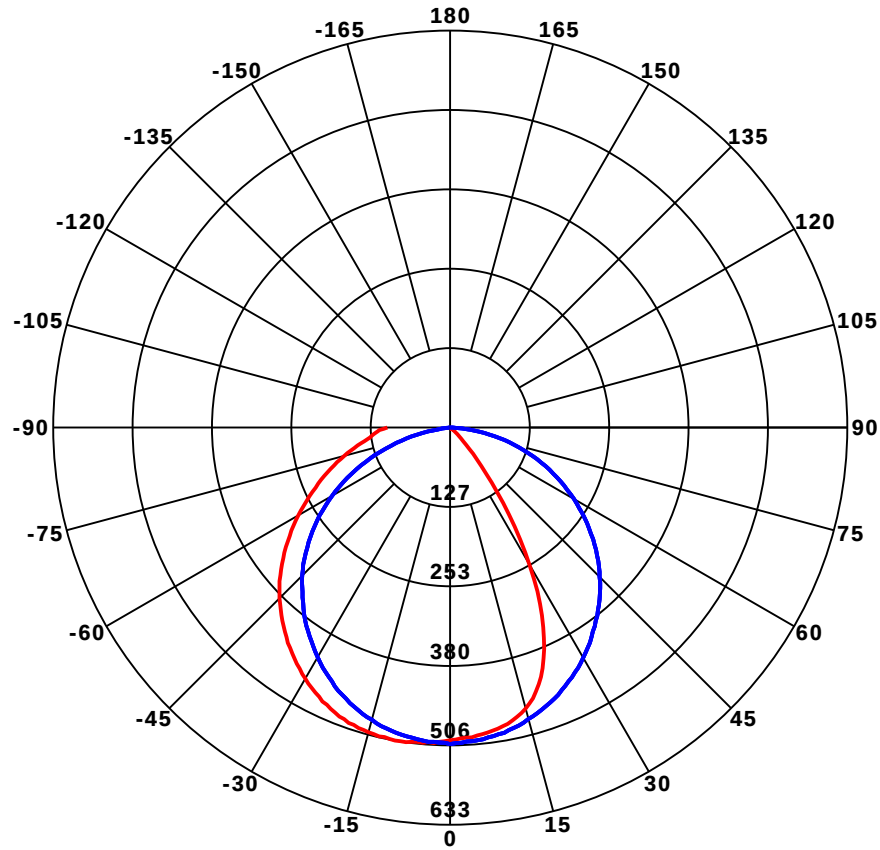
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/7/24 9:06:19

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.:

Test Time: 2026/7/24 9:06:19

Luminous Intensity Distribution Curve



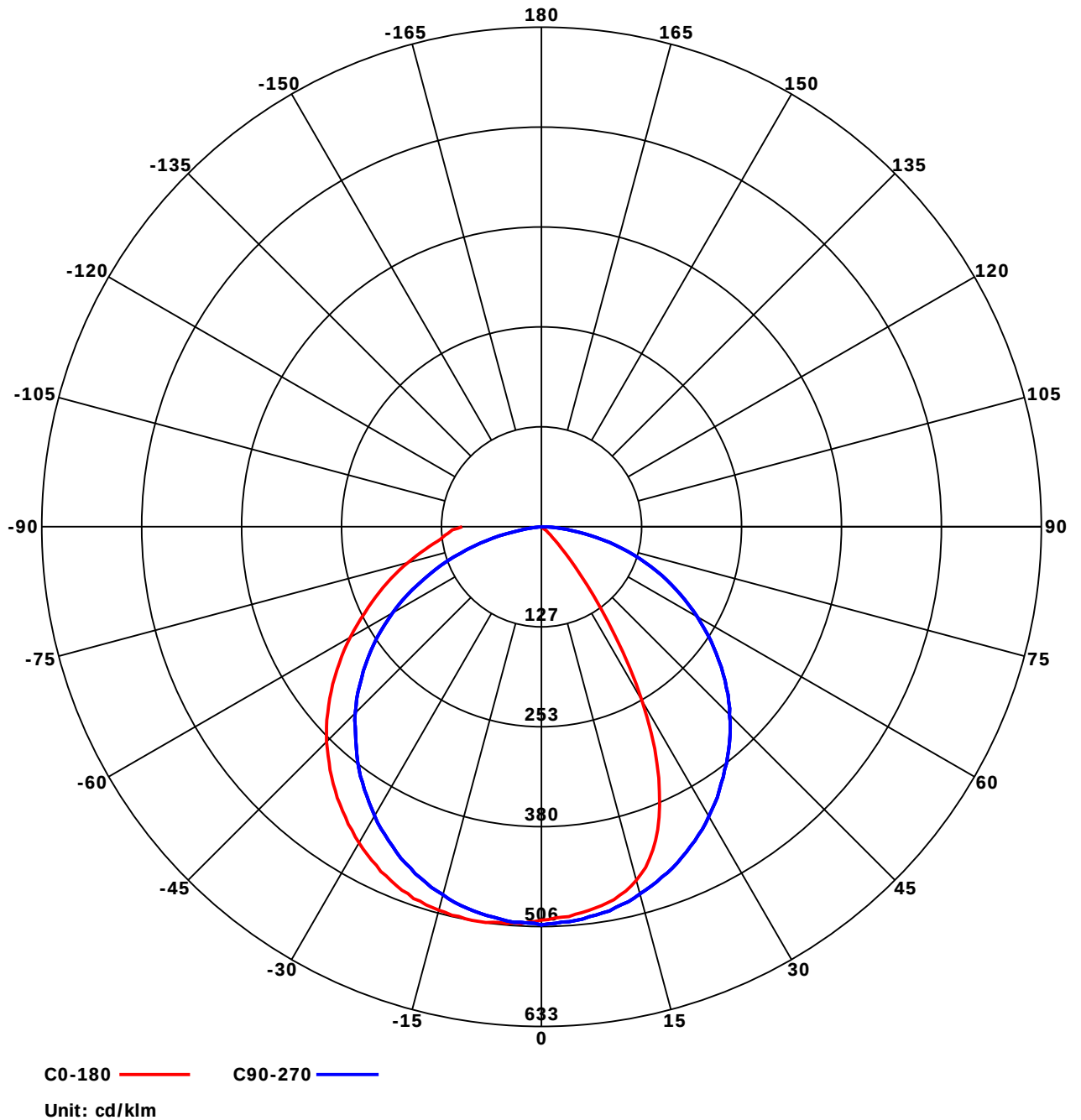
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/7/24 9:06:19

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.:

Test Time: 2026/7/24 9:06:19

Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/7/24 9:06:19

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

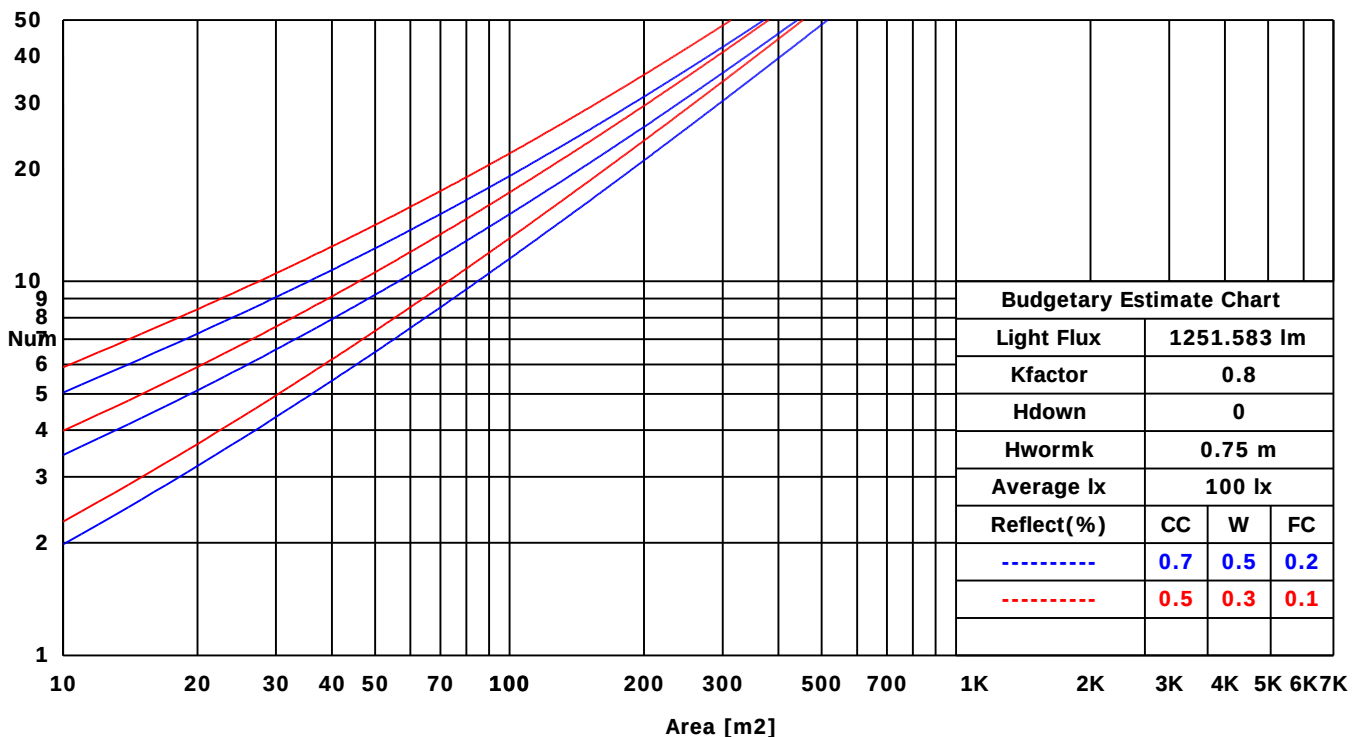
Report No.:

Test Time: 2026/7/24 9:06:19

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	COEFFICIENTS OF UTILIZATION FOR RHOFC=20															
0	1.14	1.14	1.14	1.12	1.12	1.12	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.96
1	1.02	1.01	1.00	1.01	0.99	0.98	0.97	0.96	0.94	0.93	0.91	0.89	0.86	0.84	0.82	0.78
2	0.88	0.85	0.84	0.87	0.84	0.82	0.84	0.81	0.79	0.81	0.78	0.75	0.77	0.73	0.70	0.65
3	0.75	0.73	0.71	0.75	0.72	0.70	0.74	0.70	0.67	0.72	0.67	0.64	0.68	0.64	0.60	0.55
4	0.66	0.63	0.61	0.66	0.63	0.60	0.65	0.61	0.58	0.64	0.59	0.55	0.62	0.56	0.52	0.48
5	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	0.45	0.42
6	0.52	0.49	0.47	0.52	0.49	0.47	0.53	0.48	0.45	0.52	0.47	0.43	0.51	0.45	0.40	0.37
7	0.46	0.44	0.42	0.47	0.44	0.42	0.48	0.43	0.40	0.48	0.42	0.38	0.47	0.41	0.36	0.33
8	0.42	0.40	0.38	0.43	0.39	0.37	0.44	0.39	0.36	0.44	0.38	0.34	0.44	0.37	0.33	0.30
9	0.38	0.36	0.35	0.39	0.36	0.34	0.40	0.36	0.33	0.40	0.35	0.31	0.41	0.34	0.30	0.27
10	0.35	0.33	0.31	0.36	0.33	0.31	0.37	0.33	0.30	0.38	0.32	0.28	0.38	0.32	0.27	0.24

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



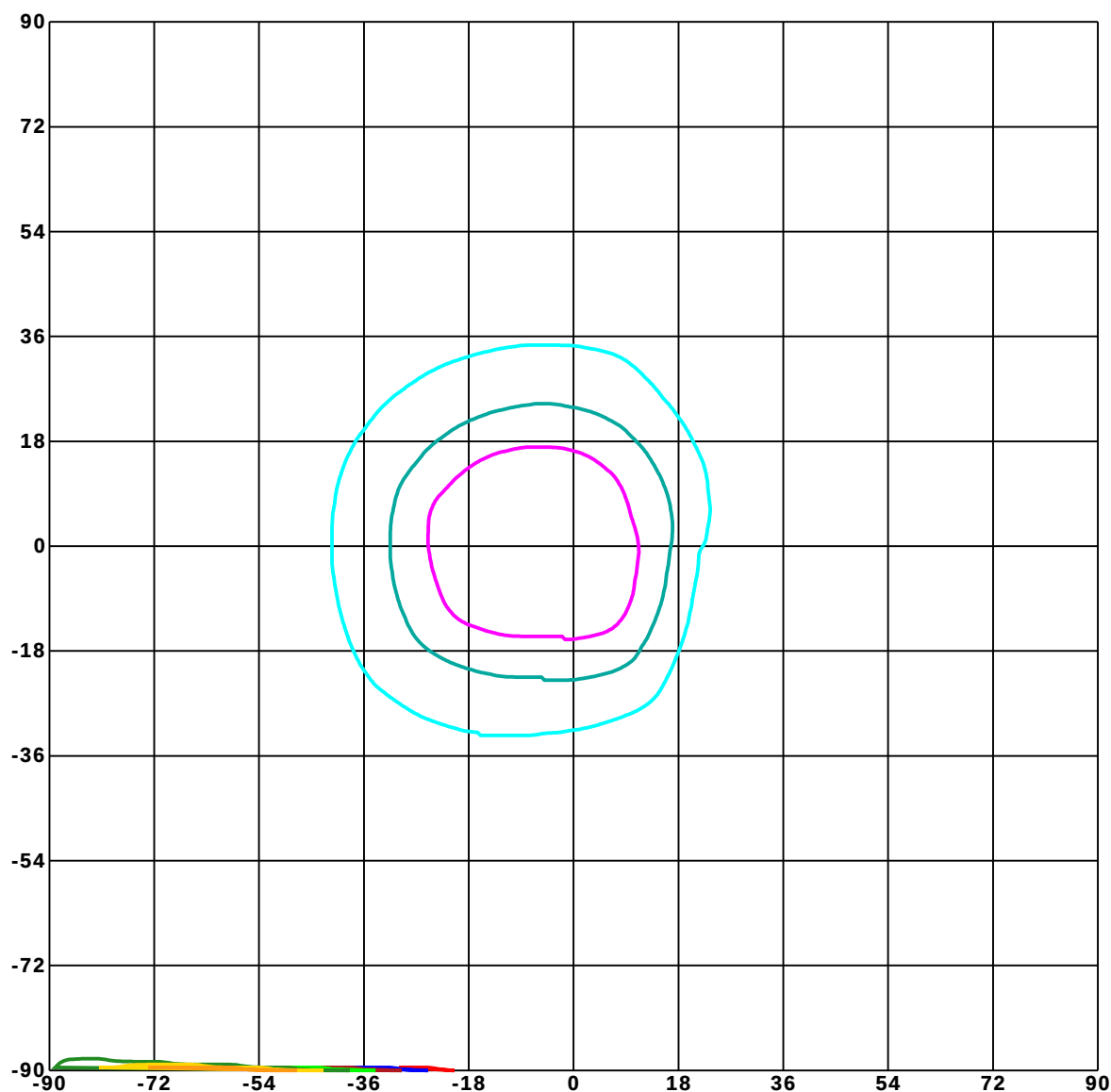
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/7/24 9:06:19

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.:

Test Time: 2026/7/24 9:06:19

ISOCANDELA DIAGRAM (RECTANGULAR)



Unit of intensity:cd I_{max}(100%): 506.168 cd

480.86(95%I _{max})	253.084(50%I _{max})
455.552(90%I _{max})	202.467(40%I _{max})
404.935(80%I _{max})	151.851(30%I _{max})
354.318(70%I _{max})	101.234(20%I _{max})
303.701(60%I _{max})	50.617(10%I _{max})

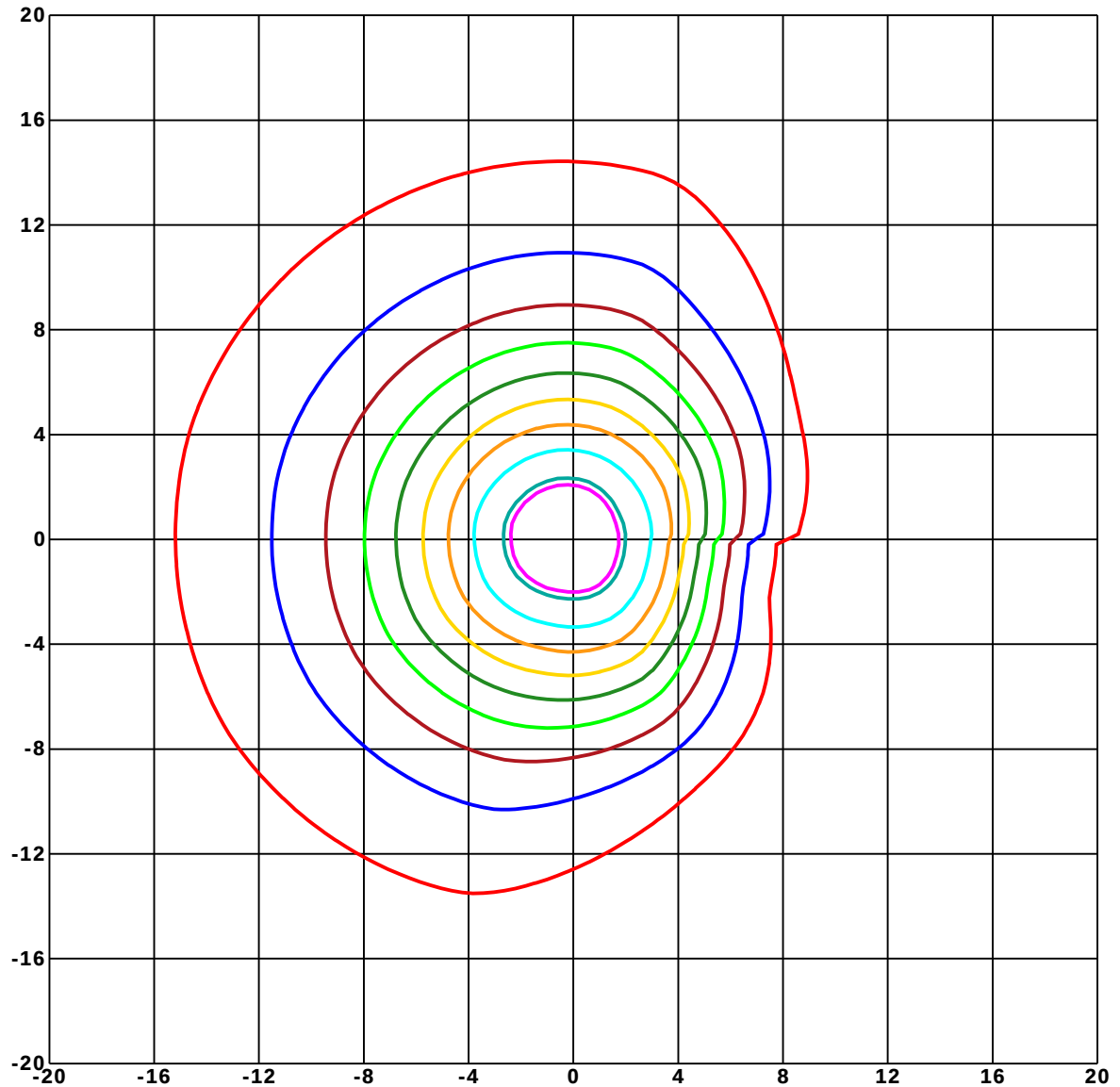
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/7/24 9:06:19

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.:

Test Time: 2026/7/24 9:06:19

ISOLX DIAGRAM



Unit of illumination:lx

Height of plane:10.0(m)/32.81(ft)

4.638(92%Emax)

2.521(50%Emax)

4.537(90%Emax)

2.017(40%Emax)

4.033(80%Emax)

1.512(30%Emax)

3.529(70%Emax)

1.008(20%Emax)

3.025(60%Emax)

0.504(10%Emax)

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/7/24 9:06:19

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

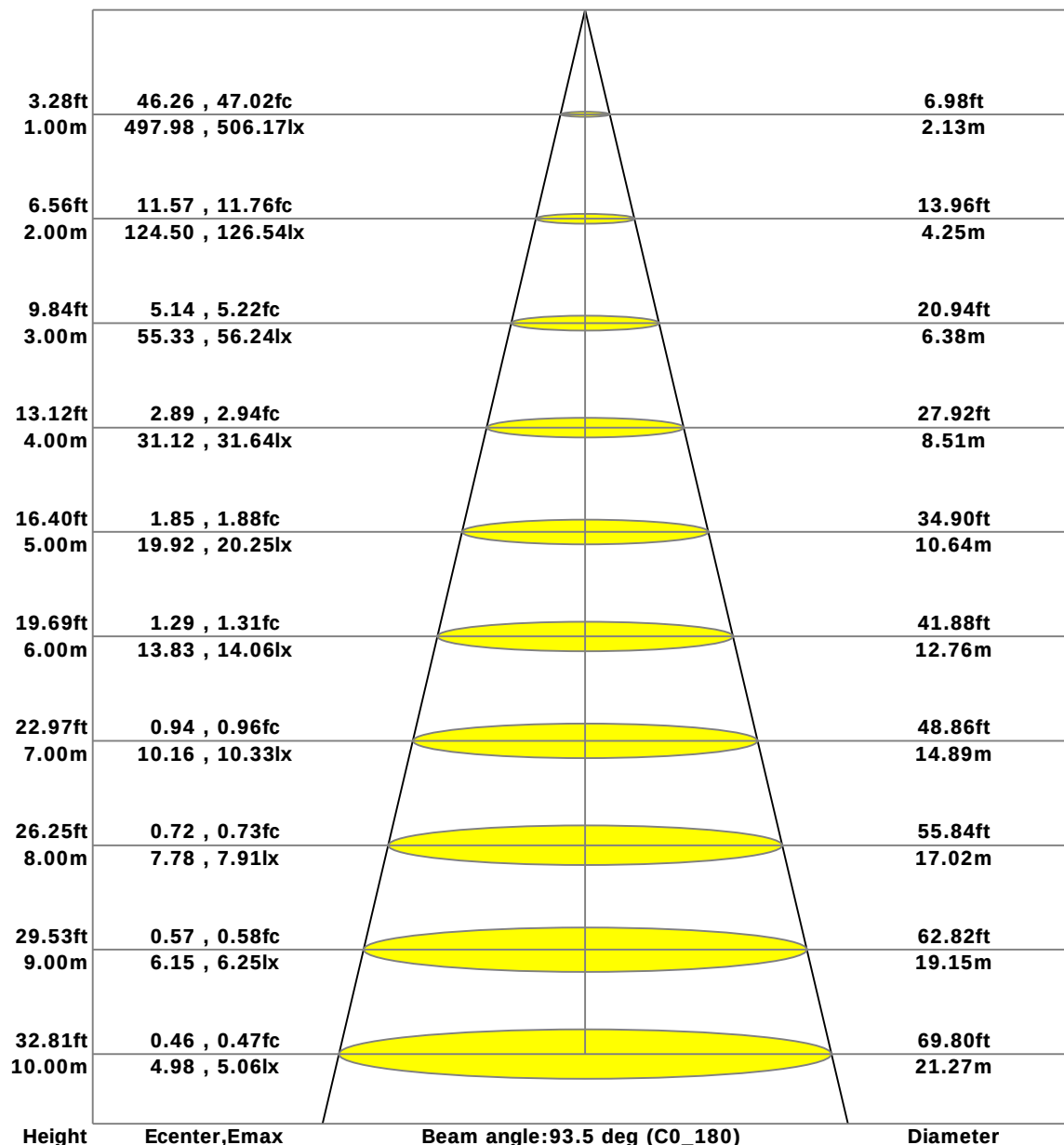
Test Distance: 6.35 m

Remarks:

Report No.:

Test Time: 2026/7/24 9:06:19

LX-DISTANCE DIAGRAM



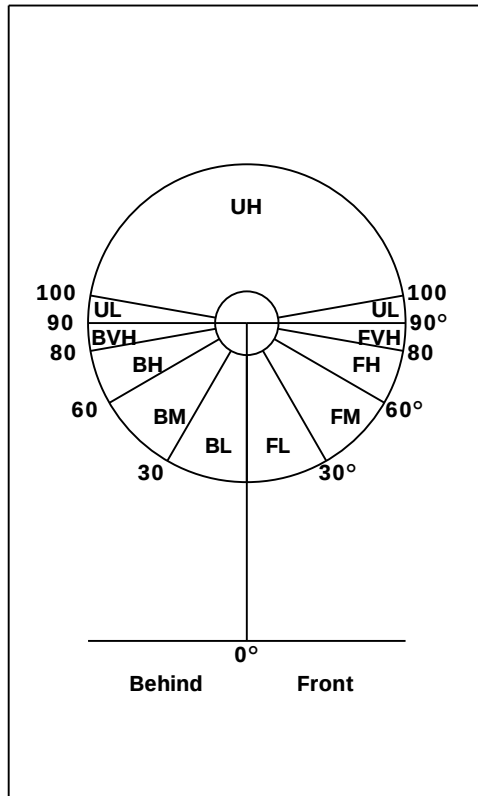
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2026/7/24 9:06:19

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 65
 Test Distance: 6.35 m
 Remarks:

Report No.:

Test Time: 2026/7/24 9:06:19

BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	615.6	49.2
FL (0°-30°)	191.2	15.3
FM (30°-60°)	290.8	23.2
FH (60°-80°)	109.4	8.7
FVH (80°-90°)	24.2	1.9

Behind	636.0	50.8
BL (0°-30°)	194.6	15.6
BM (30°-60°)	305.9	24.4
BH (60°-80°)	109.3	8.7
BVH (80°-90°)	26.1	2.1

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

Limit Light	NA	NA
-------------	----	----

BUG Class(TM-15-07)	
Asymmetric Lighting Fixtures (Type I , II , III , IV)	B1 U0 G1
Symmetrical Lighting Fixtures (Type V , Area Light)	B1 U0 G1

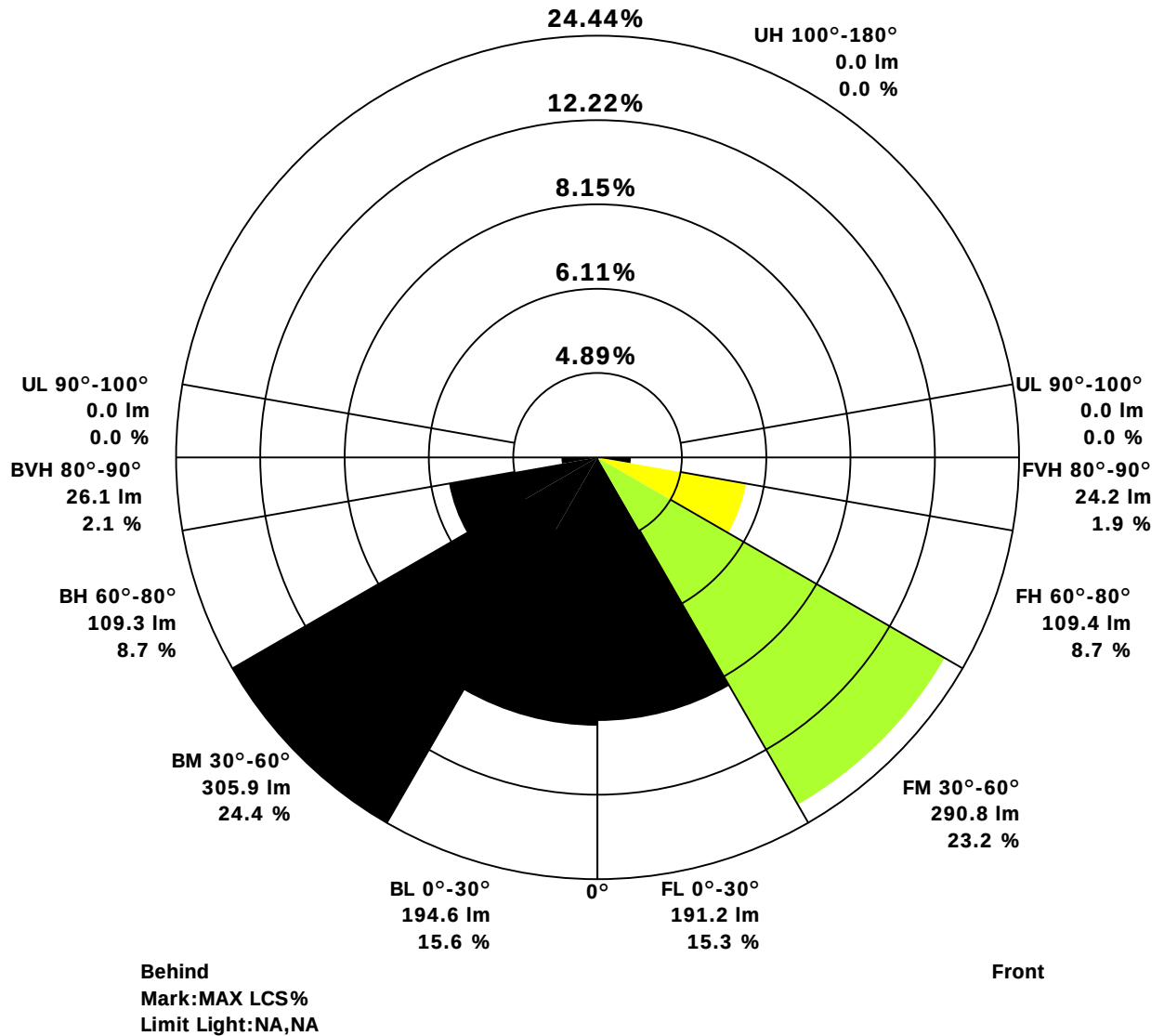
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2026/7/24 9:06:19

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 65
 Test Distance: 6.35 m
 Remarks:

Report No.:

Test Time: 2026/7/24 9:06:19

LCS 图



C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/7/24 9:06:19

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.:

Test Time: 2026/7/24 9:06:19

ZONAL LUMINOUS FLUX TABLE-1

[illegible]

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/7/24 9:06:19

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks:

Report No.:

Test Time: 2026/7/24 9:06:19

ZONAL LUMINOUS FLUX TABLE-2

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	φ zonal	φ total	%lum	%lamp
10	483.2	483.5	494.0	499.8	506.2	502.5	493.8	493.0	10	47.5	47.5	3.8	3.8
20	422.5	446.3	466.3	478.8	494.3	489.8	467.3	464.5	20	136.4	183.9	14.7	14.7
30	254.0	363.3	423.5	439.5	462.0	460.2	422.3	401.5	30	201.9	385.8	30.8	30.8
40	66.6	215.0	368.5	386.2	413.2	410.4	364.8	267.7	40	223.9	609.7	48.7	48.7
50	8.5	58.9	303.3	322.0	351.9	346.3	297.3	88.3	50	204.5	814.2	65.1	65.1
60	3.4	6.7	227.7	249.4	279.5	273.1	217.8	11.0	60	168.3	982.5	78.5	78.5
70	2.3	3.6	147.4	172.5	208.3	190.6	127.7	4.3	70	131.3	1113.9	89.0	89.0
80	2.3	2.5	63.1	106.5	144.4	121.7	35.4	3.3	80	87.4	1201.3	96.0	96.0
90	2.8	1.9	0.0	78.5	100.3	506.6	1.1	3.1	90	50.3	1251.6	100.0	100.0

Conical surface Flux(90deg) : 716.2 lm

%lum = 57.2%

%lamp = 57.2%

Conical surface Flux(120deg) : 982.5 lm

%lum = 78.5%

%lamp = 78.5%

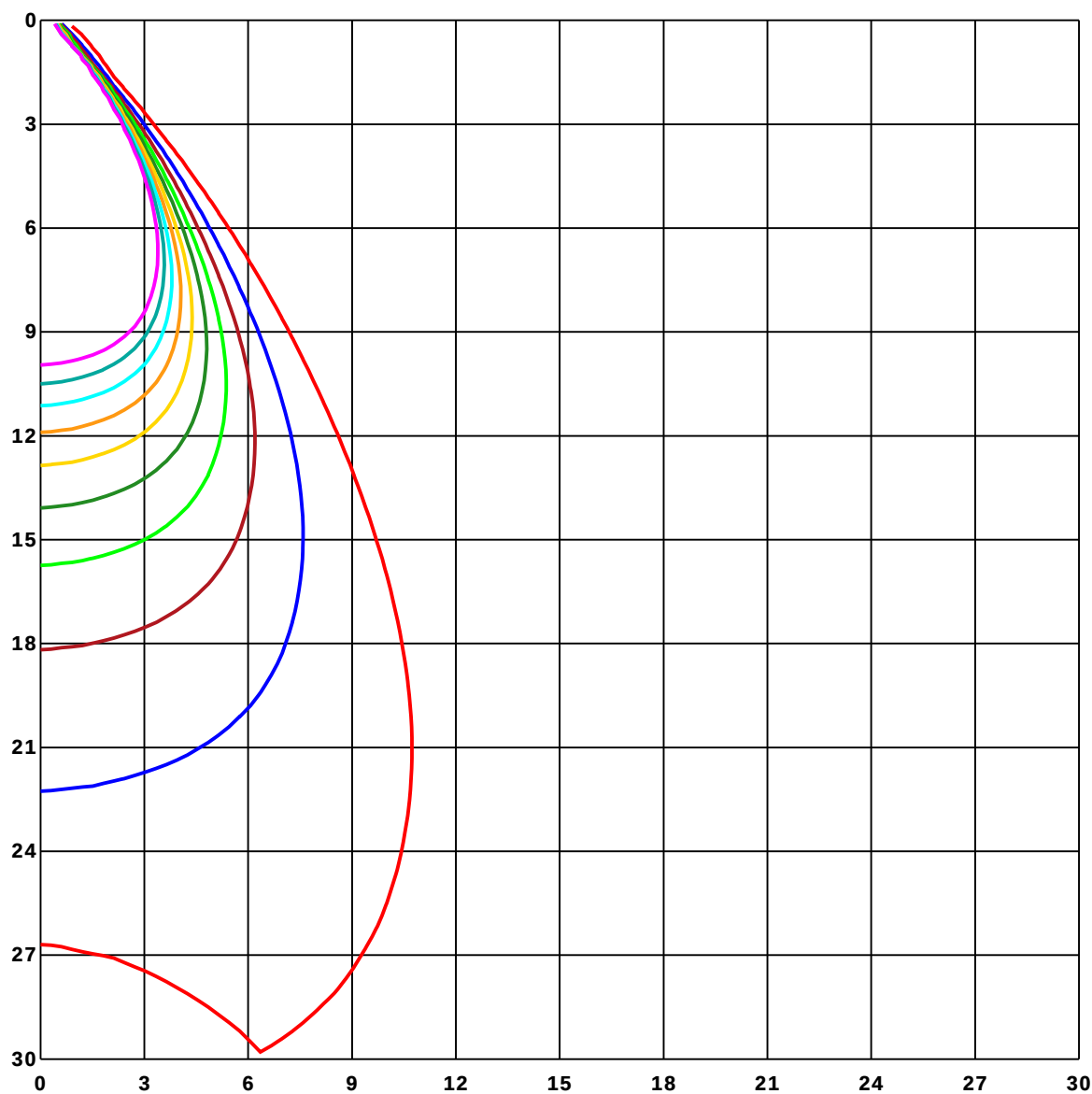
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2026/7/24 9:06:19

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 65
 Test Distance: 6.35 m
 Remarks:

Report No.:

Test Time: 2026/7/24 9:06:19

SPACE ISOLX DIAGRAM



Unit of illumination:lx

5.024	2.512
4.522	2.01
4.019	1.507
3.517	1.005
3.015	0.502

C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2026/7/24 9:06:19

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 65
 Test Distance: 6.35 m
 Remarks:

Report No.:

Test Time: 2026/7/24 9:06:19

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma/C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	497.98	499.19	504.27	503.27	497.98	499.19	504.27	503.27	497.98	
G1	497.34	497.26	502.86	503.83	499.8	501.17	502.26	502.94	497.34	
G2	495.56	496.21	502.46	504.76	500.93	501.33	502.18	502.1	495.56	
G3	494.84	494.23	500.97	503.79	503.47	502.02	501.49	501.49	494.84	
G4	494.72	493.39	501.09	504.39	502.5	502.54	501.97	500.44	494.72	
G5	492.5	491.81	500.32	504.03	504.23	502.94	500.81	498.95	492.5	
G6	491.25	491.01	499.19	503.83	503.71	503.31	499.43	498.1	491.25	
G7	489.35	488.95	497.22	502.7	504.35	502.94	498.02	497.7	489.35	
G8	487.42	487.02	496.41	502.78	505.97	502.78	497.02	495.89	487.42	
G9	485.6	485.4	494.76	501.85	505.77	503.71	495.44	494.56	485.6	
G10	483.18	483.55	494.03	499.76	506.17	502.46	493.83	492.98	483.18	
G11	480.97	480.36	491.01	498.83	505.56	502.02	491.93	491.61	480.97	
G12	476.85	477.7	488.87	496.89	504.23	501.69	490.2	489.27	476.85	
G13	473.31	474.72	487.3	495.81	504.76	500.52	488.22	487.38	473.31	
G14	468.71	471.77	484.64	493.27	503.22	500.0	485.68	485.6	468.71	
G15	463.43	467.82	480.89	492.14	502.46	498.91	482.22	482.5	463.43	
G16	457.14	464.88	478.55	489.56	501.37	497.42	479.8	480.0	457.14	
G17	450.97	460.68	475.56	486.97	500.52	495.04	477.22	476.65	450.97	
G18	442.26	456.65	472.46	484.47	498.14	493.35	473.67	473.14	442.26	
G19	432.46	451.65	468.95	482.06	497.74	491.49	470.12	469.31	432.46	
G20	422.54	446.33	466.29	478.79	494.27	489.76	467.26	464.47	422.54	
G21	410.6	441.53	462.7	476.01	492.98	487.26	462.74	460.32	410.6	
G22	396.69	435.56	458.99	472.34	490.04	485.32	459.35	455.85	396.69	
G23	382.66	428.47	454.47	468.91	487.1	482.98	455.89	451.73	382.66	
G24	366.85	421.25	450.68	465.4	483.59	480.12	451.41	446.37	366.85	
G25	350.85	413.27	446.17	462.02	481.73	477.58	446.37	440.81	350.85	
G26	333.1	404.19	442.5	457.7	476.89	474.64	442.06	435.12	333.1	
G27	315.36	395.0	437.7	453.51	473.91	470.89	437.02	427.02	315.36	
G28	295.89	385.12	433.83	449.11	469.88	467.54	432.98	418.95	295.89	
G29	275.44	374.07	428.79	444.8	466.17	463.71	428.06	410.44	275.44	
G30	254.03	363.27	423.47	439.47	462.02	460.16	422.34	401.49	254.03	
G31	232.46	350.77	418.51	434.88	457.98	455.64	417.14	391.17	232.46	
G32	210.56	338.51	413.39	429.47	452.94	451.65	411.81	380.52	210.56	
G33	188.63	324.84	408.35	424.68	448.87	446.25	406.09	368.75	188.63	
G34	167.18	310.85	402.46	419.15	443.79	441.53	401.21	357.14	167.18	
G35	146.81	296.65	396.61	413.79	439.19	437.86	395.12	343.95	146.81	
G36	127.38	280.93	391.49	408.31	433.87	432.06	390.44	330.4	127.38	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/7/24 9:06:19

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.35 m

Remarks:

Report No.:

Test Time: 2026/7/24 9:06:19

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

Gamma/C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	109.68	265.0	385.32	403.39	429.8	426.69	384.11	316.25	109.68	
G38	93.51	248.71	380.44	397.54	424.07	422.3	377.9	300.85	93.51	
G39	79.35	231.61	374.23	391.93	418.83	416.33	371.37	285.04	79.35	
G40	66.57	215.0	368.47	386.21	413.23	410.44	364.8	267.7	66.57	
G41	55.24	196.94	362.46	380.36	407.94	405.04	358.59	250.12	55.24	
G42	45.69	179.56	356.41	374.72	401.93	398.75	351.93	231.57	45.69	
G43	37.22	161.77	350.08	368.27	396.29	393.1	345.64	212.74	37.22	
G44	30.04	144.6	343.67	362.02	390.4	386.25	340.24	193.59	30.04	
G45	24.07	127.94	336.57	355.85	384.76	379.84	333.27	173.95	24.07	
G46	19.35	112.06	330.93	349.52	378.39	373.39	326.53	155.08	19.35	
G47	15.4	96.94	323.79	343.02	372.02	366.69	320.16	136.73	15.4	
G48	12.5	83.19	317.62	336.25	365.89	360.24	312.58	119.39	12.5	
G49	10.32	70.32	309.88	329.43	358.51	353.06	304.88	103.27	10.32	
G50	8.47	58.91	303.27	322.02	351.93	346.33	297.34	88.31	8.47	
G51	6.98	48.91	295.52	315.12	345.12	339.64	290.16	74.96	6.98	
G52	5.89	39.84	289.11	308.27	337.7	332.66	282.26	62.9	5.89	
G53	5.36	31.94	280.93	300.89	330.93	325.56	274.72	52.02	5.36	
G54	5.0	25.12	273.43	293.63	323.43	318.31	266.89	42.38	5.0	
G55	4.72	19.72	265.93	286.65	315.97	310.64	259.23	34.03	4.72	
G56	4.4	15.28	258.43	279.52	308.59	303.47	251.01	26.94	4.4	
G57	4.15	12.1	250.81	272.02	301.73	296.17	242.54	21.29	4.15	
G58	3.83	9.84	242.78	264.35	294.43	288.71	234.48	16.73	3.83	
G59	3.63	8.02	235.2	257.46	286.85	280.85	225.64	13.51	3.63	
G60	3.39	6.65	227.66	249.44	279.52	273.06	217.78	10.97	3.39	
G61	3.19	5.73	219.68	241.77	271.81	265.28	208.91	8.99	3.19	
G62	2.98	5.36	211.37	234.27	264.43	257.42	200.32	7.58	2.98	
G63	2.86	5.04	203.55	226.89	256.94	249.48	191.49	6.73	2.86	
G64	2.7	4.8	195.6	219.56	249.23	241.65	182.5	6.17	2.7	
G65	2.54	4.56	187.66	212.06	242.06	233.19	172.54	5.77	2.54	
G66	2.5	4.35	179.68	204.31	234.88	225.24	163.27	5.4	2.5	
G67	2.38	4.11	171.89	196.21	228.51	216.41	154.11	5.12	2.38	
G68	2.34	3.99	164.07	188.47	221.77	208.02	145.16	4.8	2.34	
G69	2.3	3.75	155.48	180.97	215.08	199.48	136.41	4.56	2.3	
G70	2.34	3.63	147.38	172.5	208.35	190.64	127.66	4.31	2.34	
G71	2.34	3.47	139.15	164.6	201.49	182.1	117.86	4.11	2.34	
G72	2.3	3.31	130.85	157.22	194.6	174.15	107.94	3.99	2.3	
G73	2.3	3.15	122.58	150.36	188.27	166.49	98.55	3.75	2.3	

C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2026/7/24 9:06:19

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 65
 Test Distance: 6.35 m
 Remarks:

Report No.:

Test Time: 2026/7/24 9:06:19

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 2)

[illegible]

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/7/24 9:06:19

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.35 m
Remarks: