

Report No.:

Test Time: 2026/7/28 15:28:10

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: 0

Luminaire Type: E25171-CHK

Lamp Type:

Luminous Width: 0 mm

Luminous Length: 0 mm

Luminous Height: 0 mm

Voltage(V): 220.20 V

Current(A): 0.0330 A

Power(W): 5.87 W

Power Factor: 0.7840

Lamp Luminous Flux: 264.47

Photometric Results

CIE Class: Direct

Luminaire Luminous Flux: 264.4694 lm

Downward Ratio: 100.00%

Luminaire Efficacy Rating(LER): 45.05 lm/W

Beam Angle(50%) C0-180,C90-270: 93.1,110.0

Field Angle(10%) C0-180,C90-270: 50.9,155.6

S/MH C0-180,C90-270: 1.109,1.202

Max. Intensity: 110.82 cd

Max.Intensity Angle: C=0 Gamma=9

Upward Ratio: 0.00%

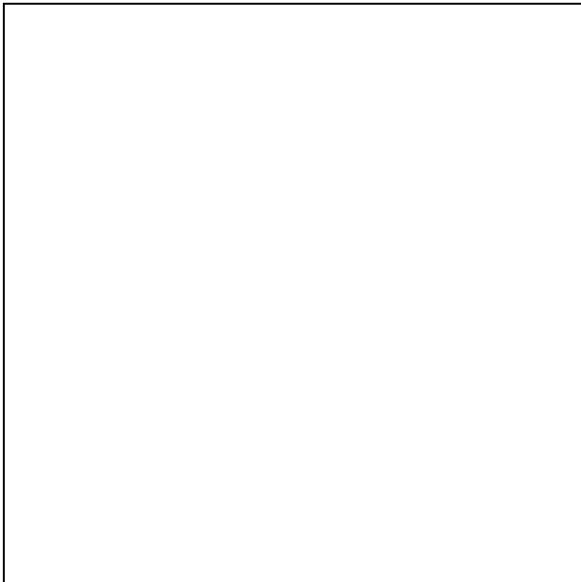
Efficacy: 100.00%

Center Intensity: 109.15 cd

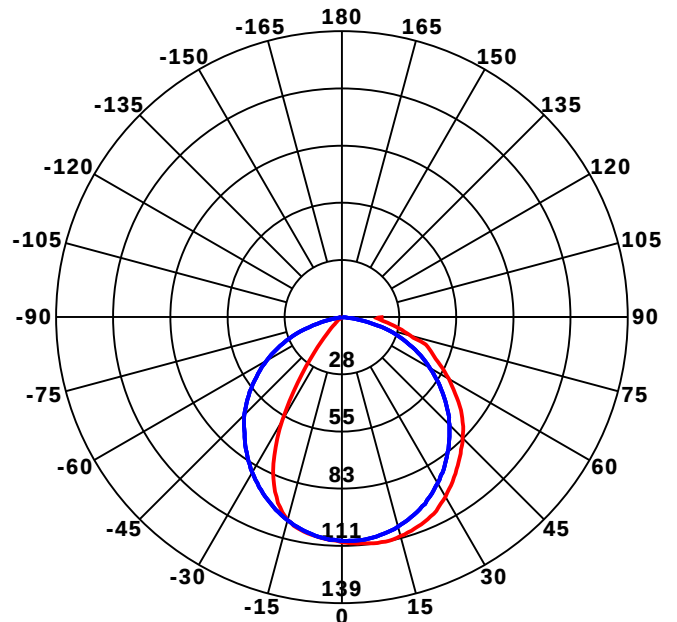
Effective Luminous Flux: 261.45 lm

ERP(φ_{use})(120deg): 209.19 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 93.1 deg,110.0 deg

Average Beam Angle:101.5 deg

C0-180 — C90-270 —

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/7/28 15:28:10

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

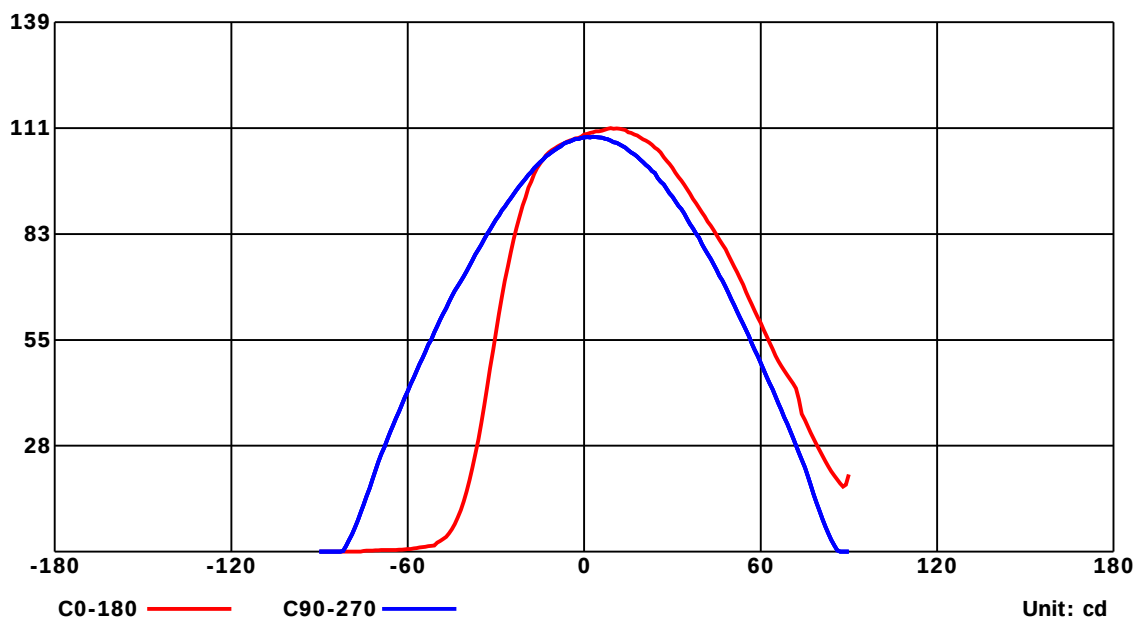
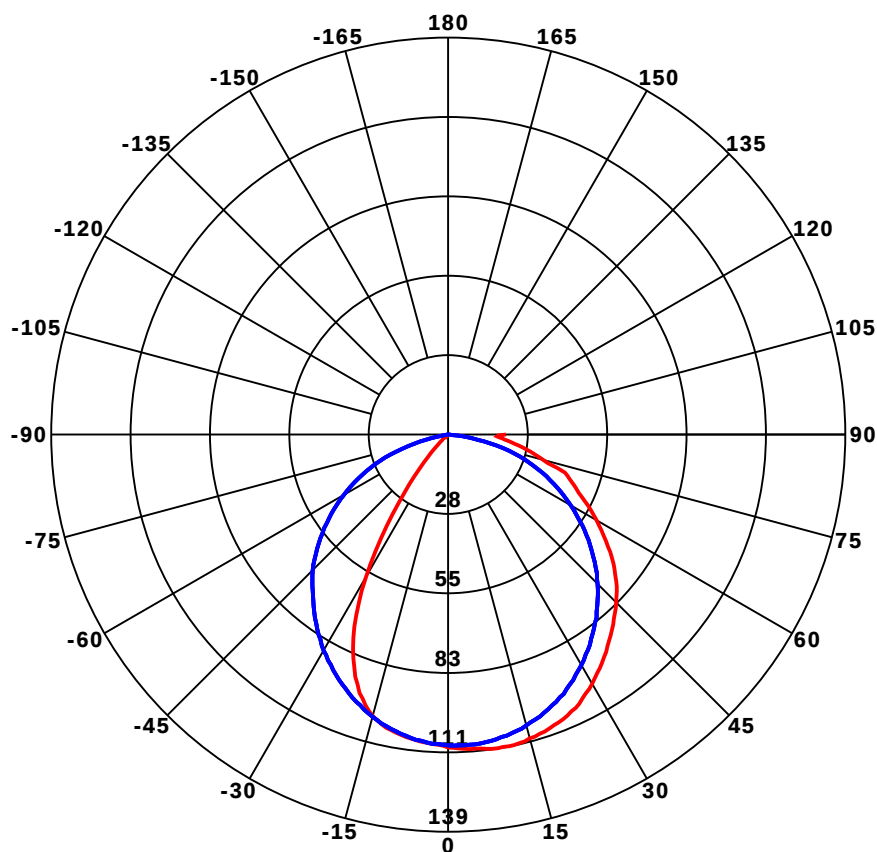
Test Distance: 6.37 m

Remarks:

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Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

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Humidity: 65

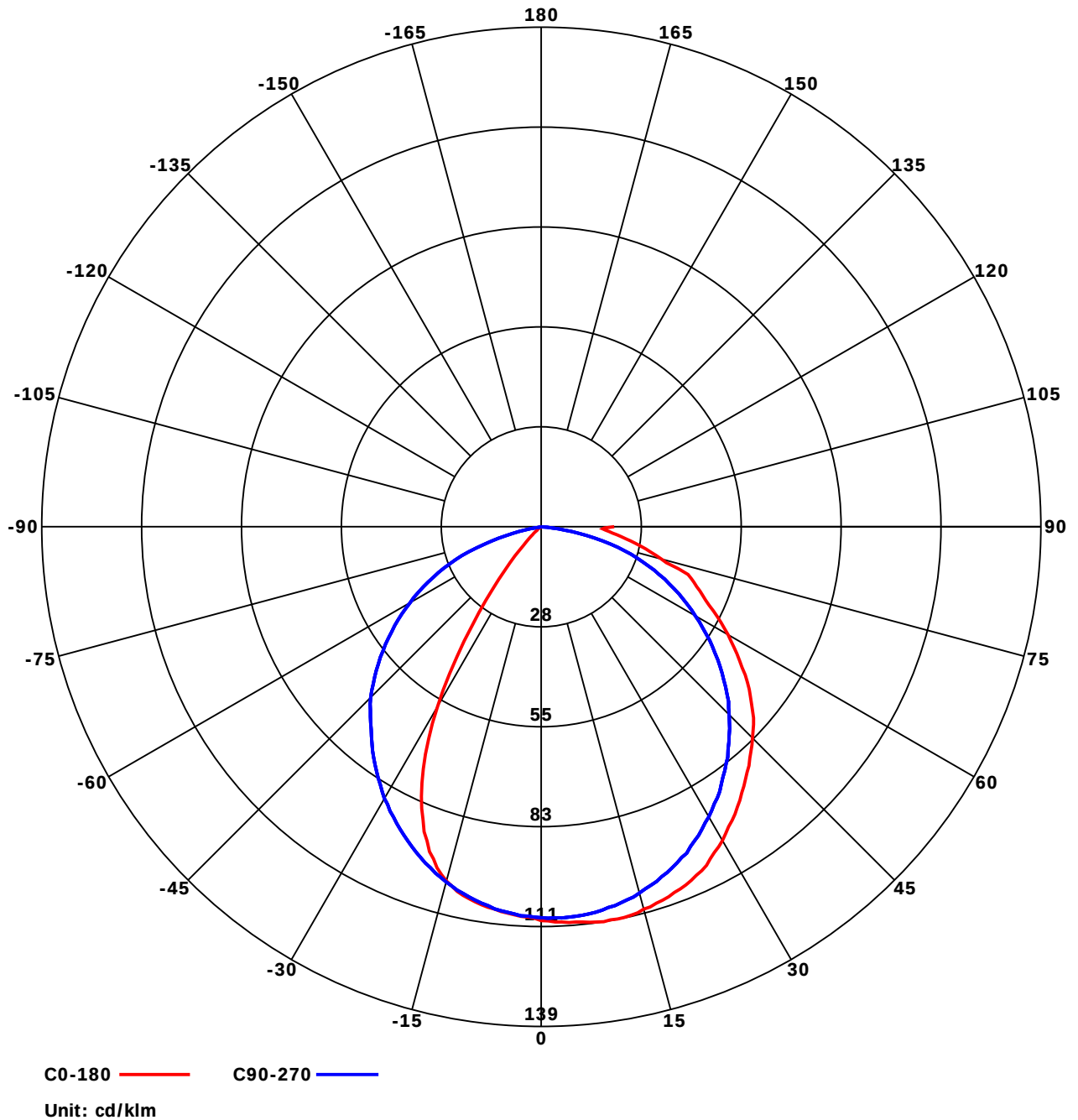
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Luminous Intensity Distribution Curve



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Humidity: 65
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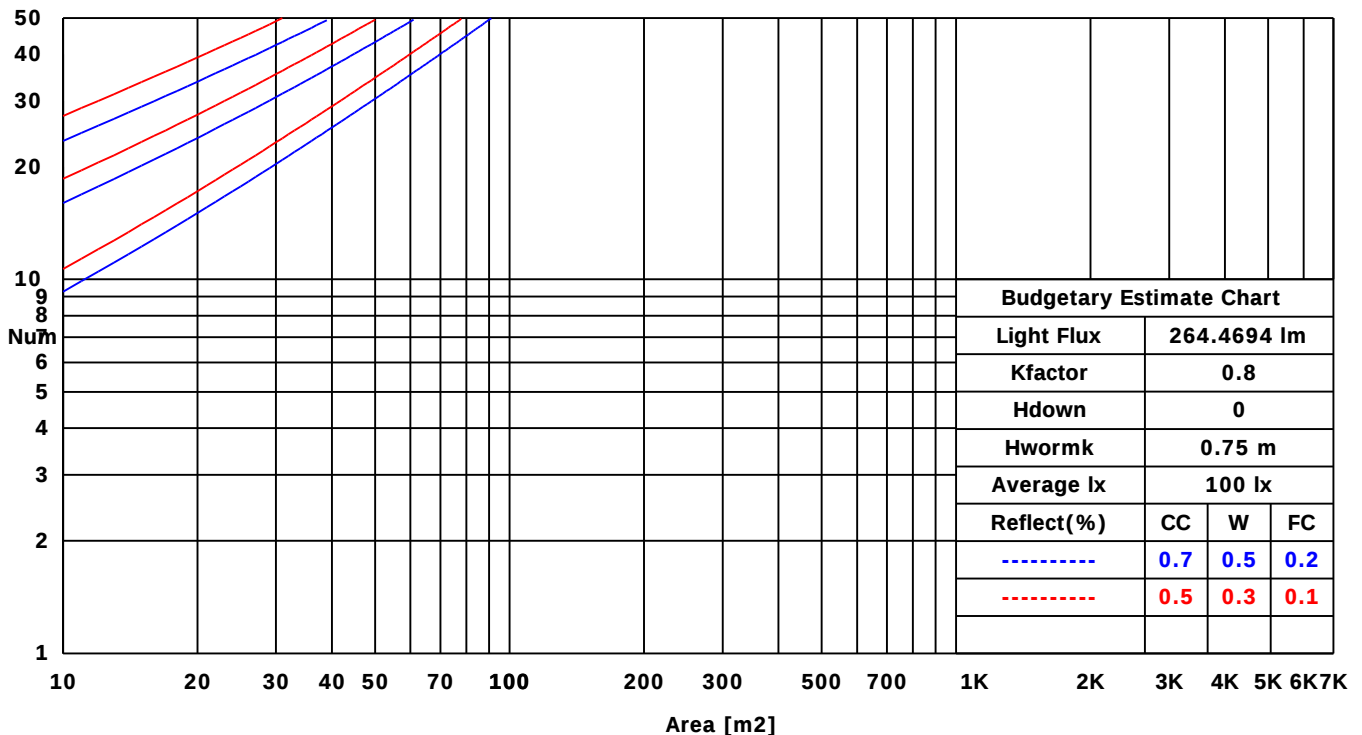
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UTILIZATION FACTORS TABLE

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	1.15	1.15	1.15	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	1.03	1.01	1.00	1.02	1.00	0.98	0.98	0.96	0.94	0.93	0.91	0.89	0.87	0.85	0.83	0.78
2	0.88	0.86	0.84	0.87	0.85	0.83	0.85	0.82	0.79	0.82	0.78	0.75	0.77	0.73	0.70	0.66
3	0.76	0.73	0.72	0.76	0.73	0.70	0.75	0.71	0.67	0.72	0.68	0.64	0.69	0.64	0.60	0.56
4	0.66	0.64	0.62	0.67	0.63	0.61	0.66	0.62	0.58	0.65	0.59	0.55	0.62	0.57	0.52	0.48
5	0.59	0.56	0.54	0.59	0.56	0.53	0.59	0.54	0.51	0.58	0.53	0.49	0.57	0.51	0.46	0.42
6	0.52	0.50	0.48	0.53	0.49	0.47	0.53	0.48	0.45	0.53	0.47	0.43	0.52	0.46	0.41	0.37
7	0.47	0.44	0.43	0.48	0.44	0.42	0.48	0.44	0.40	0.48	0.43	0.39	0.48	0.41	0.37	0.33
8	0.42	0.40	0.39	0.43	0.40	0.38	0.44	0.39	0.36	0.44	0.39	0.35	0.44	0.38	0.33	0.30
9	0.39	0.36	0.35	0.39	0.36	0.34	0.40	0.36	0.33	0.41	0.35	0.32	0.41	0.35	0.30	0.27
10	0.35	0.33	0.32	0.36	0.33	0.31	0.37	0.33	0.30	0.38	0.33	0.29	0.38	0.32	0.28	0.25

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/7/28 15:28:10

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

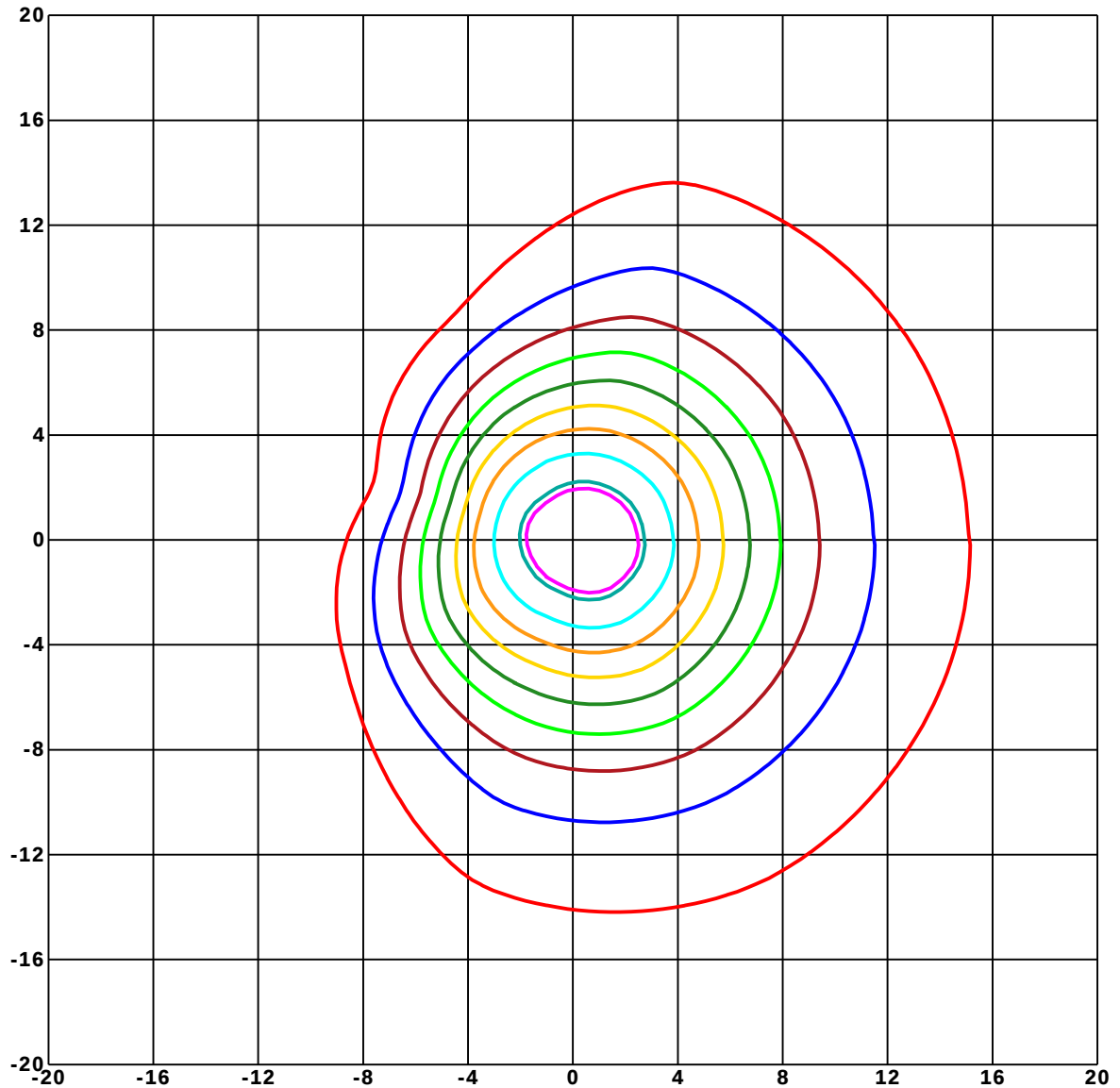
Test Distance: 6.37 m

Remarks:

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ISOLX DIAGRAM



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

1.006(92%Emax)	0.547(50%Emax)
0.985(90%Emax)	0.438(40%Emax)
0.875(80%Emax)	0.328(30%Emax)
0.766(70%Emax)	0.219(20%Emax)
0.656(60%Emax)	0.109(10%Emax)

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/7/28 15:28:10

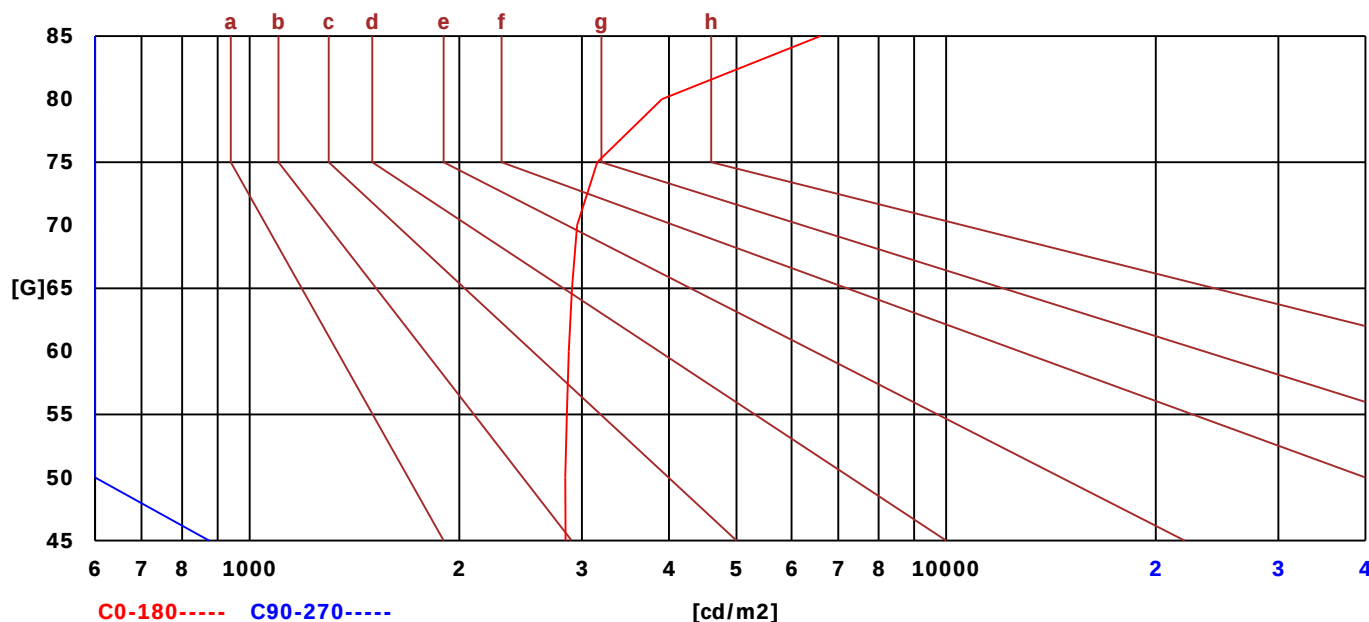
G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.37 m
Remarks:

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BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	2842	2841	2856	2873	2902	2954	3155	3908	6599
C90	875	398	106	0	0	0	0	0	0
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: 2026/7/28 15:28:10

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

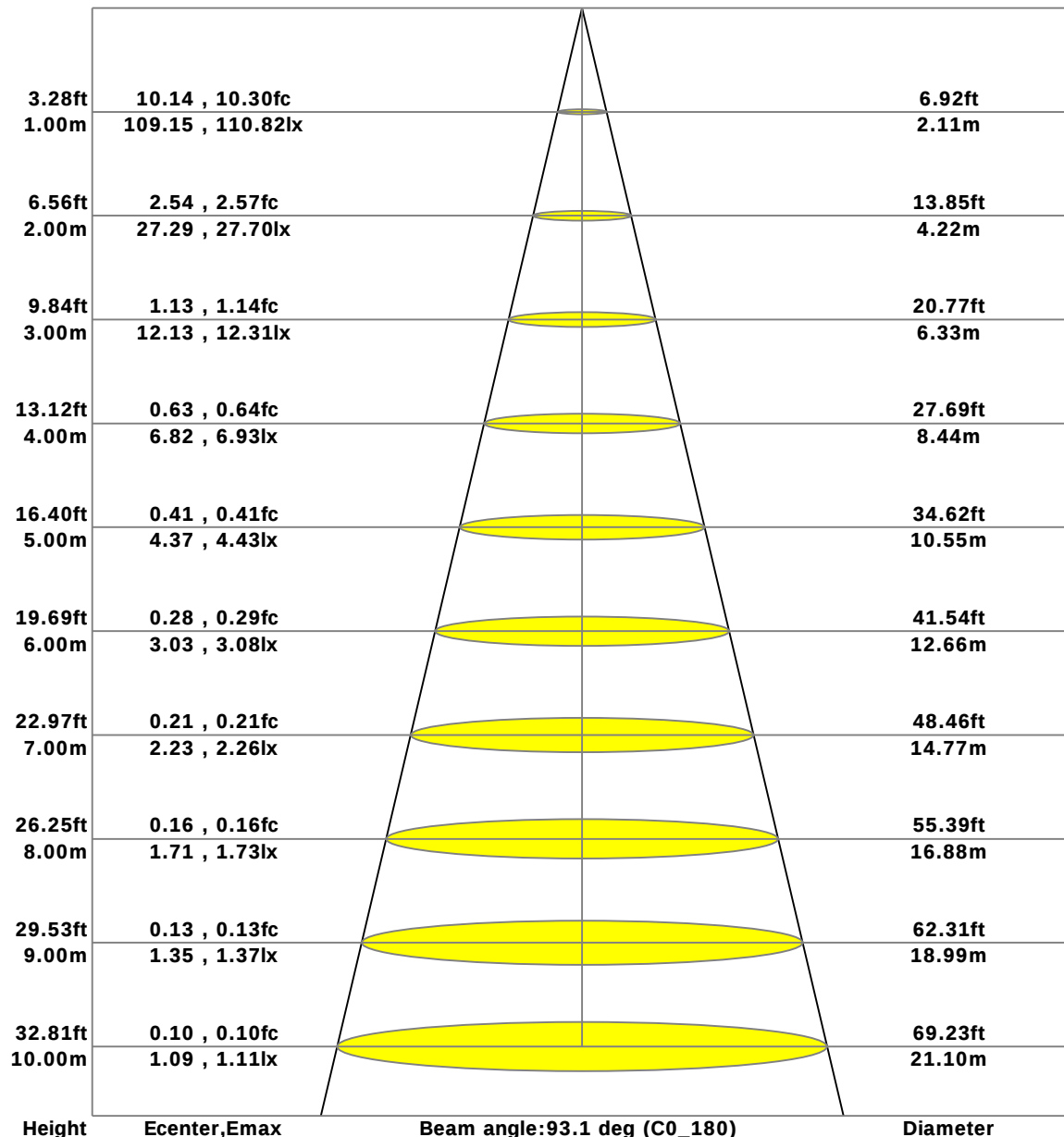
Test Distance: 6.37 m

Remarks:

Report No.:

Test Time: 2026/7/28 15:28:10

LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/7/28 15:28:10

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

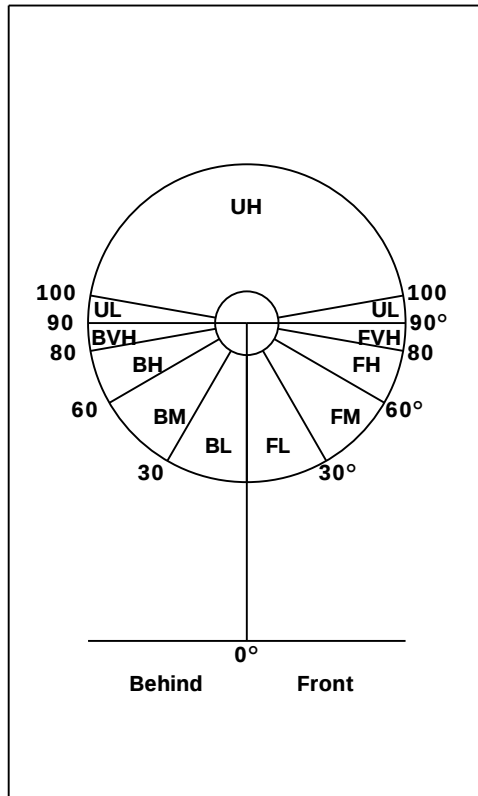
Test Distance: 6.37 m

Remarks:

Report No.:

Test Time: 2026/7/28 15:28:10

BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	134.3	50.8
FL (0°-30°)	41.9	15.8
FM (30°-60°)	63.5	24.0
FH (60°-80°)	23.9	9.0
FVH (80°-90°)	5.1	1.9

Behind	130.1	49.2
BL (0°-30°)	41.4	15.7
BM (30°-60°)	62.4	23.6
BH (60°-80°)	21.7	8.2
BVH (80°-90°)	4.7	1.8

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)	B0 U0 G0
Symmetrical Lighting Fixtures (Type V , Area Light)	B0 U0 G0

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/7/28 15:28:10

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

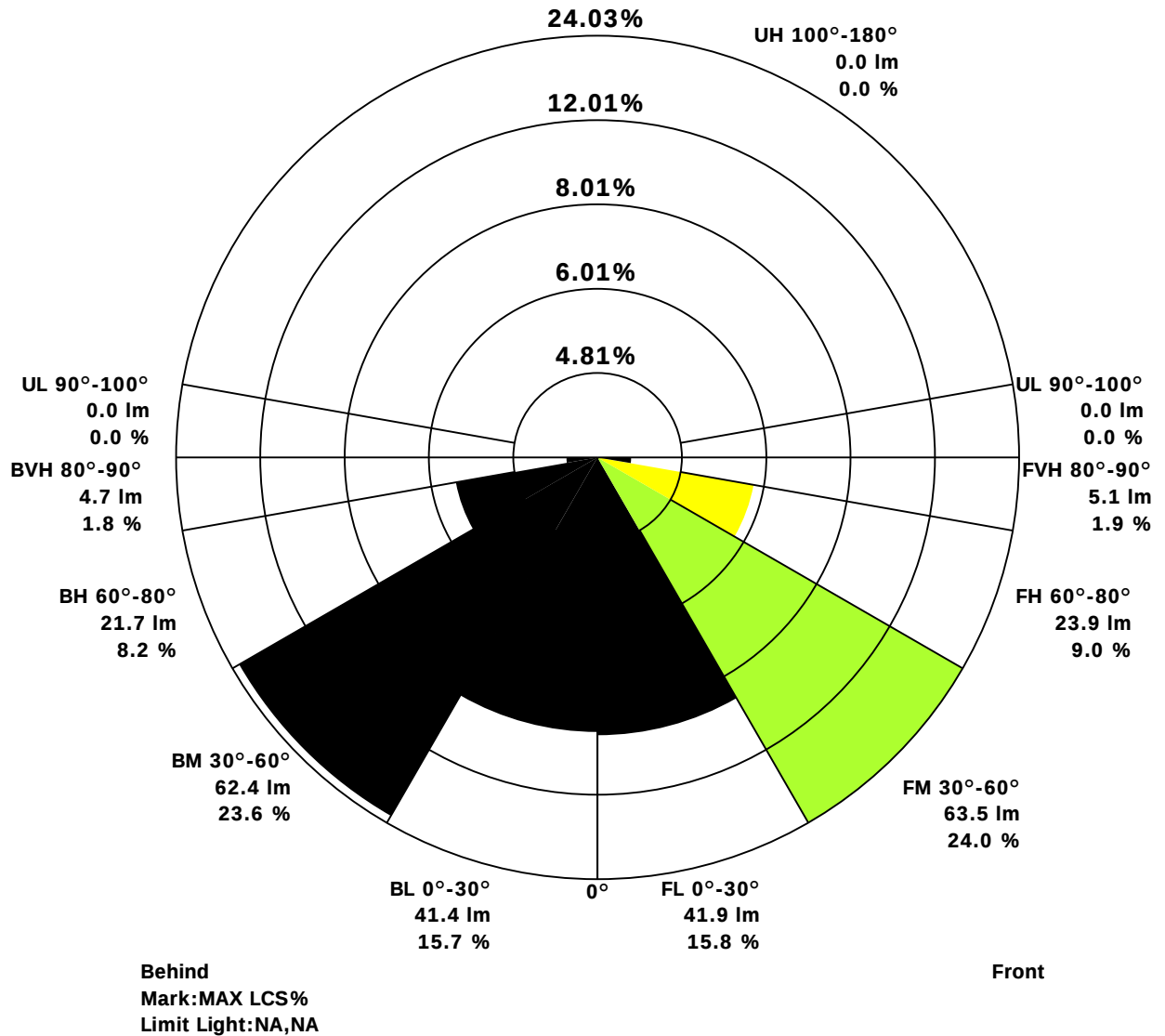
Test Distance: 6.37 m

Remarks:

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LCS 图



C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/7/28 15:28:10

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.37 m
Remarks:

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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	18.65	19.32	18.48	19.43	19.60	17.96	18.63	17.79	18.74	18.91
3H	18.43	19.06	18.33	19.21	19.43	17.85	18.47	17.75	18.62	18.84
4H	18.26	18.86	18.20	19.03	19.28	17.72	18.32	17.66	18.49	18.74
6H	18.05	18.61	18.03	18.81	19.09	17.54	18.10	17.52	18.30	18.58
8H	17.93	18.48	17.94	18.69	18.99	17.43	17.97	17.43	18.18	18.48
12H	17.82	18.34	17.85	18.56	18.89	17.31	17.84	17.34	18.06	18.38
4H 2H	21.47	22.06	21.40	22.23	22.49	19.85	20.45	19.79	20.62	20.87
3H	21.41	21.94	21.44	22.16	22.48	19.94	20.47	19.97	20.69	21.01
4H	21.29	21.77	21.37	22.02	22.39	19.92	20.40	20.00	20.65	21.01
6H	21.09	21.53	21.23	21.81	22.22	19.84	20.27	19.98	20.55	20.96
8H	20.97	21.38	21.14	21.68	22.11	19.78	20.18	19.94	20.48	20.91
12H	20.85	21.22	21.04	21.54	21.99	19.68	20.05	19.87	20.37	20.82
8H 4H	22.70	23.24	22.70	23.45	23.75	19.94	20.48	19.94	20.69	20.99
6H	22.95	23.29	23.17	23.62	24.10	20.35	20.69	20.57	21.02	21.50
8H	22.87	23.18	23.14	23.53	24.03	20.42	20.72	20.68	21.07	21.58
12H	22.77	23.03	23.06	23.40	23.93	20.49	20.75	20.79	21.12	21.65
12H 4H	23.63	24.01	23.83	24.32	24.78	20.14	20.52	20.34	20.83	21.29
6H	23.78	24.08	24.04	24.43	24.94	20.31	20.61	20.57	20.96	21.47

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/7/28 15:28:10

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.37 m

Remarks:

Report No.:

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ZONAL LUMINOUS FLUX TABLE-1

[illegible]

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/7/28 15:28:10

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.37 m

Remarks:

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ZONAL LUMINOUS FLUX TABLE-2

Y	C0	C45	C90	C135	C180	C225	C270	C315	Y	φ zonal	φ total	%lum	%lamp
10	110.6	109.4	107.2	104.9	105.5	104.5	105.1	108.3	10	10.3	10.3	3.9	3.9
20	107.9	106.6	102.0	96.9	92.6	97.1	97.6	105.3	20	29.5	39.8	15.1	15.1
30	100.4	99.0	92.9	77.0	57.5	79.8	87.0	98.5	30	43.5	83.3	31.5	31.5
40	88.8	87.0	80.5	43.7	15.7	48.8	73.4	87.0	40	47.6	130.9	49.5	49.5
50	76.1	73.0	66.0	10.2	2.4	13.2	59.0	72.7	50	42.9	173.8	65.7	65.7
60	59.8	57.5	49.3	0.0	0.7	1.1	42.0	56.9	60	35.4	209.2	79.1	79.1
70	45.0	40.4	31.6	0.0	0.3	0.0	23.5	39.6	70	27.7	236.9	89.6	89.6
80	26.5	27.1	10.6	0.0	0.0	0.0	2.9	27.4	80	17.9	254.7	96.3	96.3
90	20.2	21.3	0.0	0.0	0.0	0.0	0.0	22.2	90	9.8	264.5	100.0	100.0

Conical surface Flux(90deg) : 153.3 lm

%lum = 57.9%

%lamp = 57.9%

Conical surface Flux(120deg) : 209.2 lm

%lum = 79.1%

%lamp = 79.1%

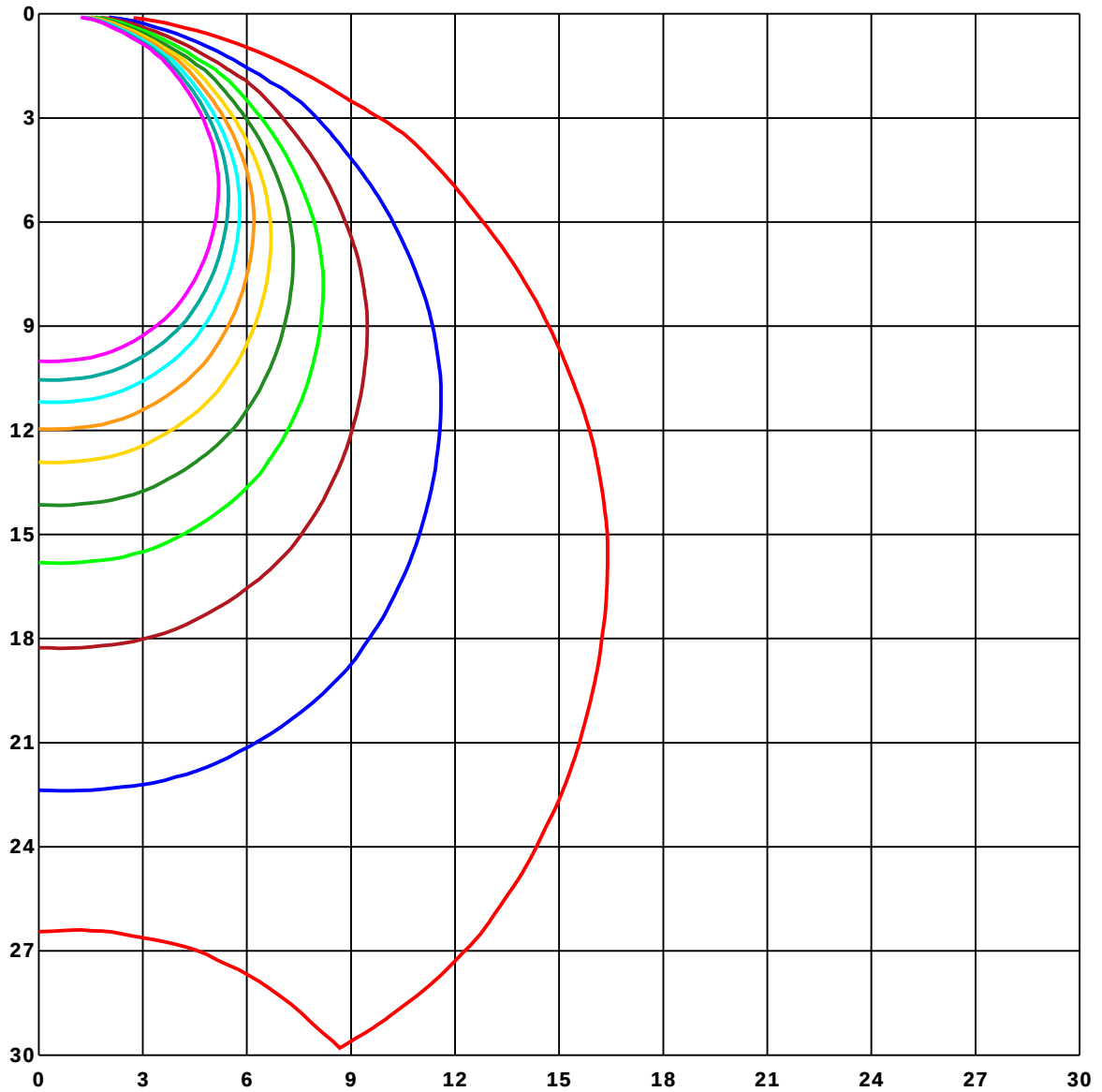
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 Humidity: 65
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 Remarks:

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SPACE ISOLX DIAGRAM



Unit of illumination:lx

1.091
 0.982
 0.873
 0.764
 0.655

0.546
 0.436
 0.327
 0.218
 0.109

C Range: 0 - 360 Deg
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G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 65
 Test Distance: 6.37 m
 Remarks:

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LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma/C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	109.15	108.42	108.38	108.02	109.15	108.42	108.38	108.02	109.15	
G1	109.27	108.83	108.5	107.77	108.54	108.26	108.22	108.3	109.27	
G2	109.6	109.07	108.42	107.57	108.26	107.98	107.98	108.34	109.6	
G3	109.72	109.03	108.54	107.45	108.14	107.53	107.98	108.42	109.72	
G4	109.96	109.23	108.46	107.08	107.77	107.16	107.61	108.58	109.96	
G5	109.96	109.31	108.42	107.04	107.53	106.84	107.29	108.5	109.96	
G6	110.17	109.31	108.3	106.51	107.2	106.43	107.04	108.54	110.17	
G7	110.41	109.6	108.1	106.27	106.8	106.27	106.68	108.58	110.41	
G8	110.65	109.44	107.89	105.87	106.47	105.58	106.07	108.58	110.65	
G9	110.82	109.6	107.57	105.46	106.07	105.18	105.66	108.46	110.82	
G10	110.61	109.44	107.16	104.93	105.54	104.53	105.13	108.26	110.61	
G11	110.77	109.6	106.96	104.44	105.01	104.2	104.57	108.42	110.77	
G12	110.69	109.4	106.51	103.76	104.49	103.39	103.92	108.34	110.69	
G13	110.49	109.15	106.11	103.19	103.71	102.82	103.43	108.26	110.49	
G14	110.29	108.95	105.74	102.5	102.62	102.13	102.62	107.89	110.29	
G15	109.72	108.75	105.05	101.85	101.65	101.56	101.93	107.57	109.72	
G16	109.6	108.54	104.44	100.87	100.35	100.51	101.12	107.08	109.6	
G17	109.11	108.06	103.92	99.98	98.8	99.94	100.35	106.68	109.11	
G18	108.87	107.73	103.39	99.49	96.82	98.97	99.33	106.35	108.87	
G19	108.42	107.12	102.58	97.95	95.23	97.99	98.6	105.74	108.42	
G20	107.85	106.64	101.97	96.86	92.64	97.14	97.63	105.26	107.85	
G21	107.53	106.07	101.2	95.48	90.57	95.96	96.65	104.81	107.53	
G22	107.04	105.3	100.51	94.22	87.56	94.71	95.64	104.2	107.04	
G23	106.43	104.69	99.58	92.8	84.81	93.37	94.63	103.59	106.43	
G24	105.7	103.92	99.09	90.53	81.76	91.78	93.61	102.66	105.7	
G25	105.22	103.11	97.79	88.58	78.31	90.0	92.52	102.05	105.22	
G26	104.44	102.42	96.86	86.47	74.66	88.25	91.46	101.6	104.44	
G27	103.23	101.6	96.05	84.28	70.77	86.35	90.24	100.51	103.23	
G28	102.25	100.67	94.87	82.13	66.59	84.32	89.27	99.9	102.25	
G29	101.4	99.94	93.77	79.45	62.24	82.09	87.97	99.01	101.4	
G30	100.43	98.97	92.88	76.97	57.54	79.81	86.96	98.48	100.43	
G31	99.21	97.79	91.74	74.05	52.79	77.26	85.66	97.38	99.21	
G32	98.03	96.86	90.49	71.17	47.96	74.58	84.28	96.53	98.03	
G33	97.1	95.92	89.59	68.17	43.01	71.86	83.06	95.64	97.1	
G34	96.0	94.54	88.46	65.09	38.22	69.1	81.72	94.38	96.0	
G35	94.79	93.29	87.0	61.68	33.72	66.02	80.34	93.37	94.79	
G36	93.69	92.03	85.7	58.31	29.42	62.81	79.04	92.11	93.69	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

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G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.37 m

Remarks:

Report No.:

Test Time: 2026/7/28 15:28:10

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

Gamma/C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	92.35	90.93	84.6	54.9	25.52	59.73	77.7	90.89	92.35	
G38	91.18	89.55	83.22	51.37	21.95	56.2	76.24	89.67	91.18	
G39	90.0	88.38	82.17	47.43	18.71	52.59	74.82	88.34	90.0	
G40	88.82	87.04	80.55	43.66	15.74	48.81	73.4	87.0	88.82	
G41	87.73	85.82	79.21	39.89	13.19	44.92	72.06	85.86	87.73	
G42	86.35	84.77	77.87	35.91	10.92	40.9	70.81	84.48	86.35	
G43	85.25	83.43	76.53	32.1	8.89	36.84	69.47	82.82	85.25	
G44	84.12	81.84	75.11	28.4	7.26	32.95	68.29	81.48	84.12	
G45	82.82	80.38	73.69	24.75	5.92	29.05	66.87	80.06	82.82	
G46	81.6	79.04	72.15	21.42	4.79	25.36	65.37	78.44	81.6	
G47	80.42	77.62	70.97	18.22	3.9	21.95	63.67	77.14	80.42	
G48	79.17	76.16	69.26	15.3	3.29	18.75	62.16	75.55	79.17	
G49	77.54	74.74	67.68	12.66	2.8	15.78	60.62	74.09	77.54	
G50	76.08	73.04	66.02	10.23	2.35	13.19	58.96	72.71	76.08	
G51	74.58	71.62	64.52	8.12	1.62	10.87	57.38	71.09	74.58	
G52	73.16	69.95	62.85	6.29	1.54	8.81	55.55	69.75	73.16	
G53	71.54	68.78	61.27	4.71	1.42	6.94	54.13	68.09	71.54	
G54	69.87	66.95	59.53	3.41	1.26	5.44	52.26	66.46	69.87	
G55	67.97	65.53	57.94	2.43	1.22	4.22	50.6	65.09	67.97	
G56	66.3	63.71	56.36	1.62	1.1	3.21	49.06	63.42	66.3	
G57	64.64	62.04	54.45	1.05	0.93	2.43	47.31	61.92	64.64	
G58	63.02	60.66	52.75	0.61	0.85	1.91	45.61	60.26	63.02	
G59	61.27	58.92	51.13	0.32	0.73	1.5	43.82	58.59	61.27	
G60	59.81	57.46	49.34	0.0	0.69	1.1	42.0	56.93	59.81	
G61	58.02	55.59	47.6	0.0	0.61	0.85	40.37	55.35	58.02	
G62	56.48	53.89	45.81	0.0	0.53	0.65	38.55	53.72	56.48	
G63	54.78	52.3	44.19	0.0	0.49	0.53	36.68	51.94	54.78	
G64	53.03	50.56	42.44	0.0	0.45	0.45	34.9	50.15	53.03	
G65	51.29	49.06	40.62	0.0	0.41	0.37	32.99	48.45	51.29	
G66	49.83	47.31	38.83	0.0	0.41	0.28	31.28	46.74	49.83	
G67	48.57	45.57	37.13	0.0	0.41	0.2	29.34	44.96	48.57	
G68	47.39	43.86	35.22	0.0	0.41	0.16	27.35	43.25	47.39	
G69	46.14	42.16	33.44	0.0	0.41	0.08	25.44	41.47	46.14	
G70	45.04	40.41	31.57	0.0	0.32	0.04	23.45	39.64	45.04	
G71	43.99	38.67	29.74	0.0	0.32	0.0	21.22	37.98	43.99	
G72	42.77	36.88	27.84	0.0	0.28	0.0	18.91	36.19	42.77	
G73	39.85	35.3	25.93	0.0	0.28	0.0	16.6	34.69	39.85	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/7/28 15:28:10

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.37 m

Remarks:

Report No.:

Test Time: 2026/7/28 15:28:10

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: 2026/7/28 15:28:10

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.37 m

Remarks: