

Report No.:

Test Time: 2025/11/15 8:45:12

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: 0
 Luminaire Type: 61071LEDDCS-BL/ALB
 Lamp Type:
 Luminous Width: 0 mm
 Luminous Length: 0 mm
 Luminous Height: 0 mm

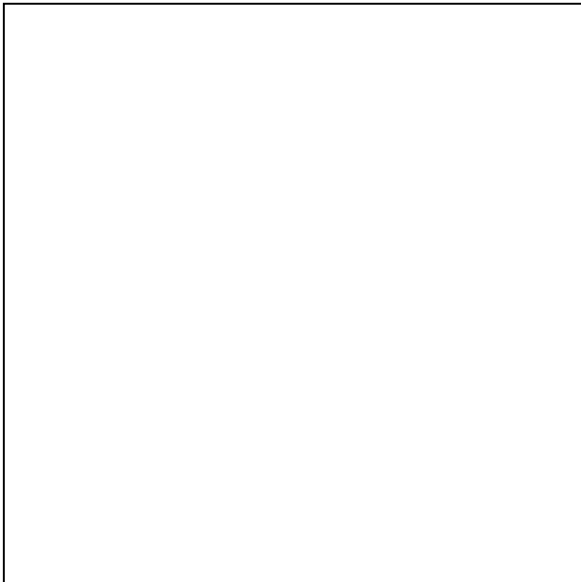
Voltage(V): 119.30 V
 Current(A): 0.0710 A
 Power(W): 8.39 W
 Power Factor: 0.9840
 Lamp Luminous Flux: 303.19

Photometric Results

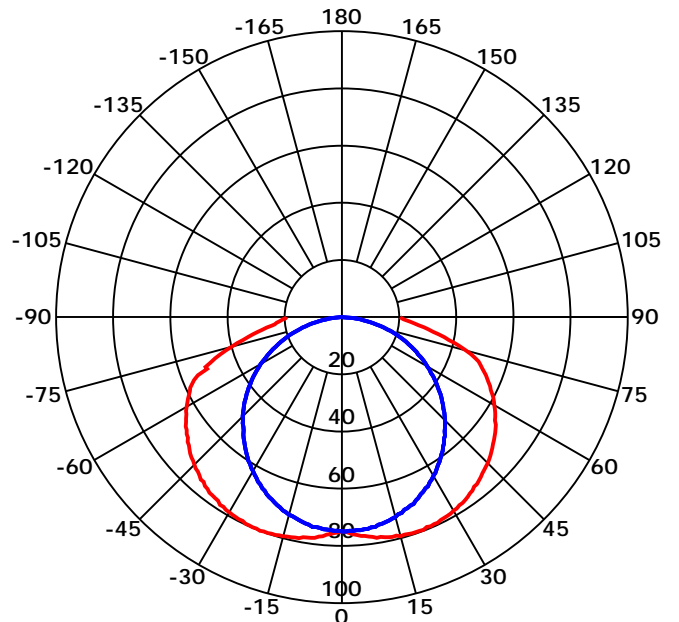
CIE Class: Direct
 Luminaire Luminous Flux: 303.1855 lm
 Downward Ratio: 100.00%
 Luminaire Efficacy Rating(LER): 36.14 lm/W
 Beam Angle(50%) C0-180,C90-270: 152.1,113.3
 Field Angle(10%) C0-180,C90-270: 0.0,162.5
 S/MH C0-180,C90-270: 1.507,1.250

Max. Intensity: 79.69 cd
 Max.Intensity Angle: C=180 Gamma=21
 Upward Ratio: 0.00%
 Efficacy: 100.00%
 Center Intensity: 74.69 cd
 Effective Luminous Flux: 303.00 lm
 ERP(φ use)(120deg): 203.34 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 152.1 deg,113.3 deg

Average Beam Angle:132.7 deg

C0-180 ——— C90-270 ———

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/15 8:45:12

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

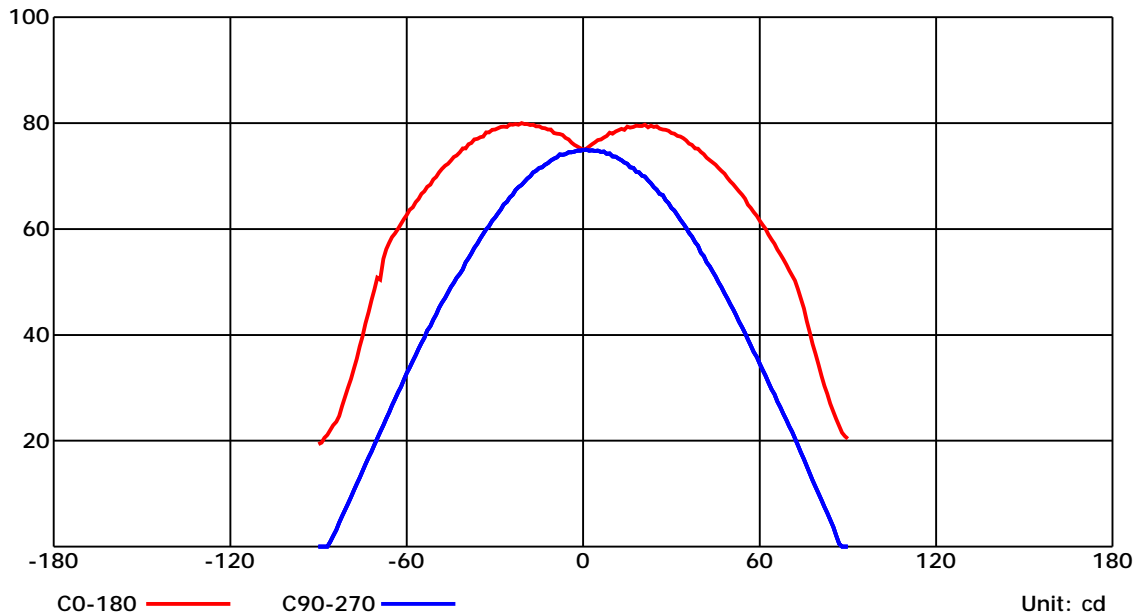
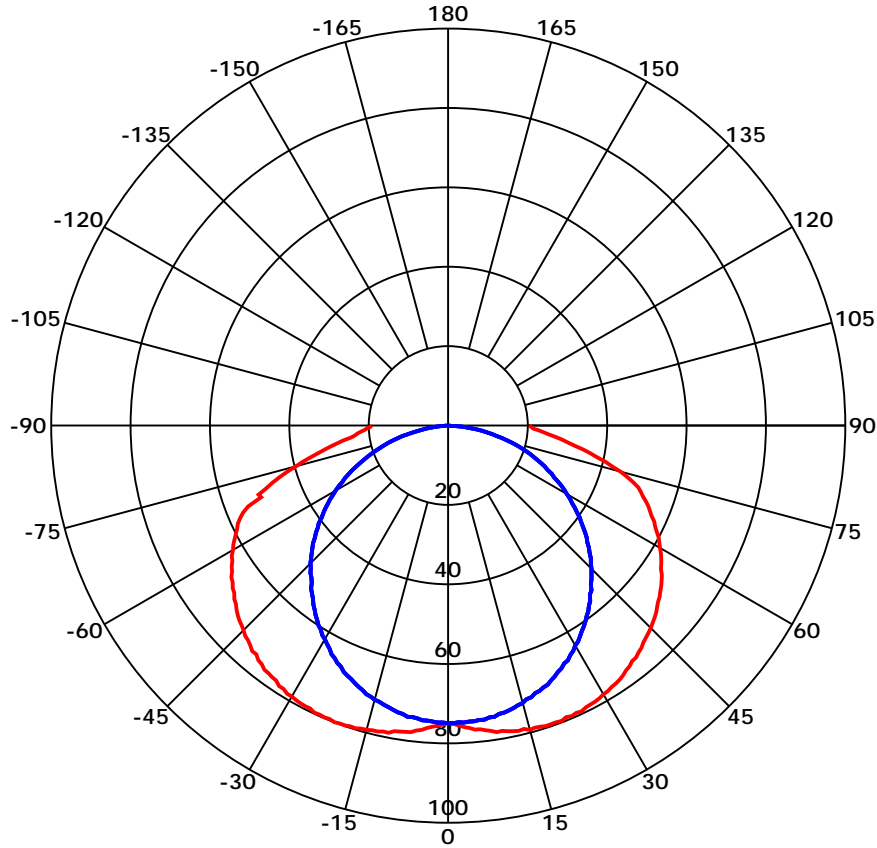
Test Distance: 6.25 m

Remarks:

Report No.:

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Luminous Intensity Distribution Curve



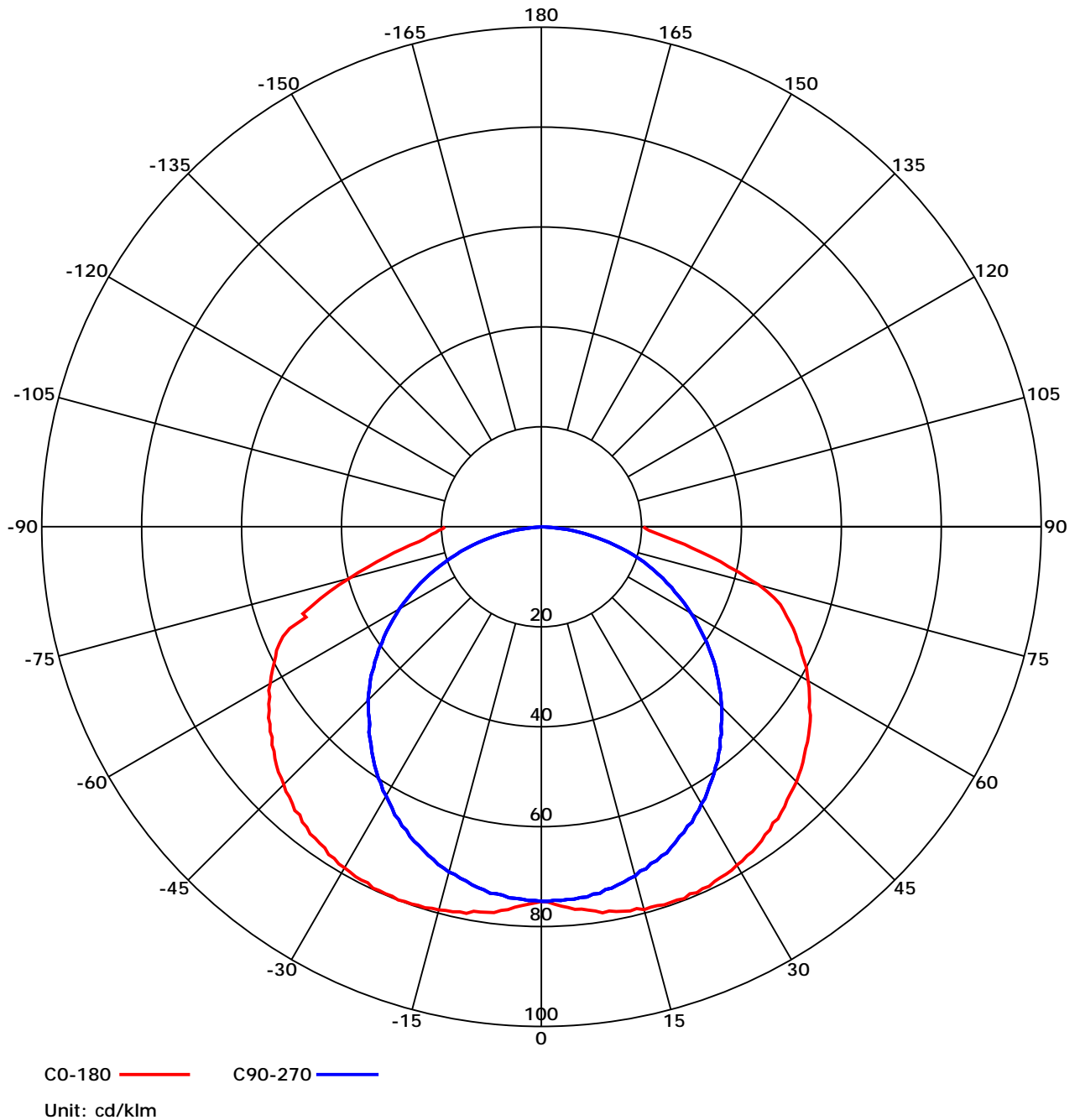
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 Temperature: 25
 Operators:
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G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 65
 Test Distance: 6.25 m
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Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg
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G Range: 0 - 90 Deg
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 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 65
 Test Distance: 6.25 m
 Remarks:

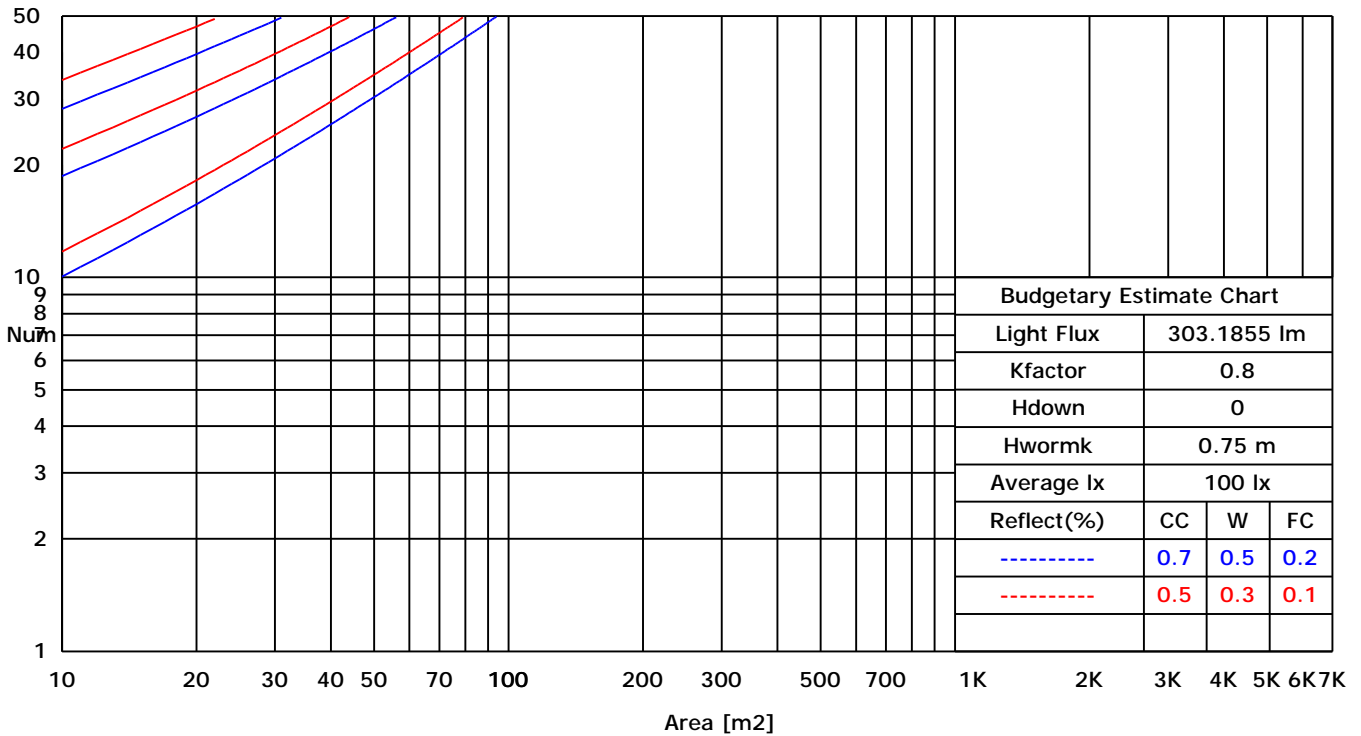
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UTILIZATION FACTORS TABLE

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	1.11	1.11	1.11	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	0.96	0.95	0.93	0.95	0.93	0.92	0.92	0.90	0.88	0.88	0.85	0.83	0.82	0.79	0.77	0.72
2	0.79	0.76	0.74	0.79	0.76	0.73	0.77	0.73	0.70	0.74	0.70	0.67	0.70	0.66	0.62	0.58
3	0.66	0.63	0.61	0.66	0.62	0.60	0.65	0.61	0.57	0.64	0.59	0.55	0.61	0.56	0.51	0.47
4	0.56	0.53	0.51	0.56	0.53	0.50	0.56	0.52	0.48	0.56	0.50	0.46	0.54	0.48	0.43	0.39
5	0.48	0.45	0.43	0.49	0.45	0.42	0.49	0.44	0.41	0.49	0.43	0.39	0.48	0.42	0.37	0.33
6	0.42	0.39	0.37	0.43	0.39	0.37	0.44	0.39	0.35	0.44	0.38	0.34	0.44	0.37	0.32	0.29
7	0.37	0.34	0.32	0.38	0.34	0.32	0.39	0.34	0.31	0.40	0.34	0.30	0.40	0.33	0.28	0.25
8	0.33	0.30	0.29	0.34	0.30	0.28	0.35	0.31	0.27	0.36	0.30	0.26	0.37	0.30	0.25	0.22
9	0.29	0.27	0.26	0.30	0.27	0.25	0.32	0.27	0.24	0.33	0.27	0.23	0.34	0.27	0.22	0.20
10	0.27	0.24	0.23	0.28	0.25	0.23	0.29	0.25	0.22	0.31	0.25	0.21	0.31	0.25	0.20	0.18

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



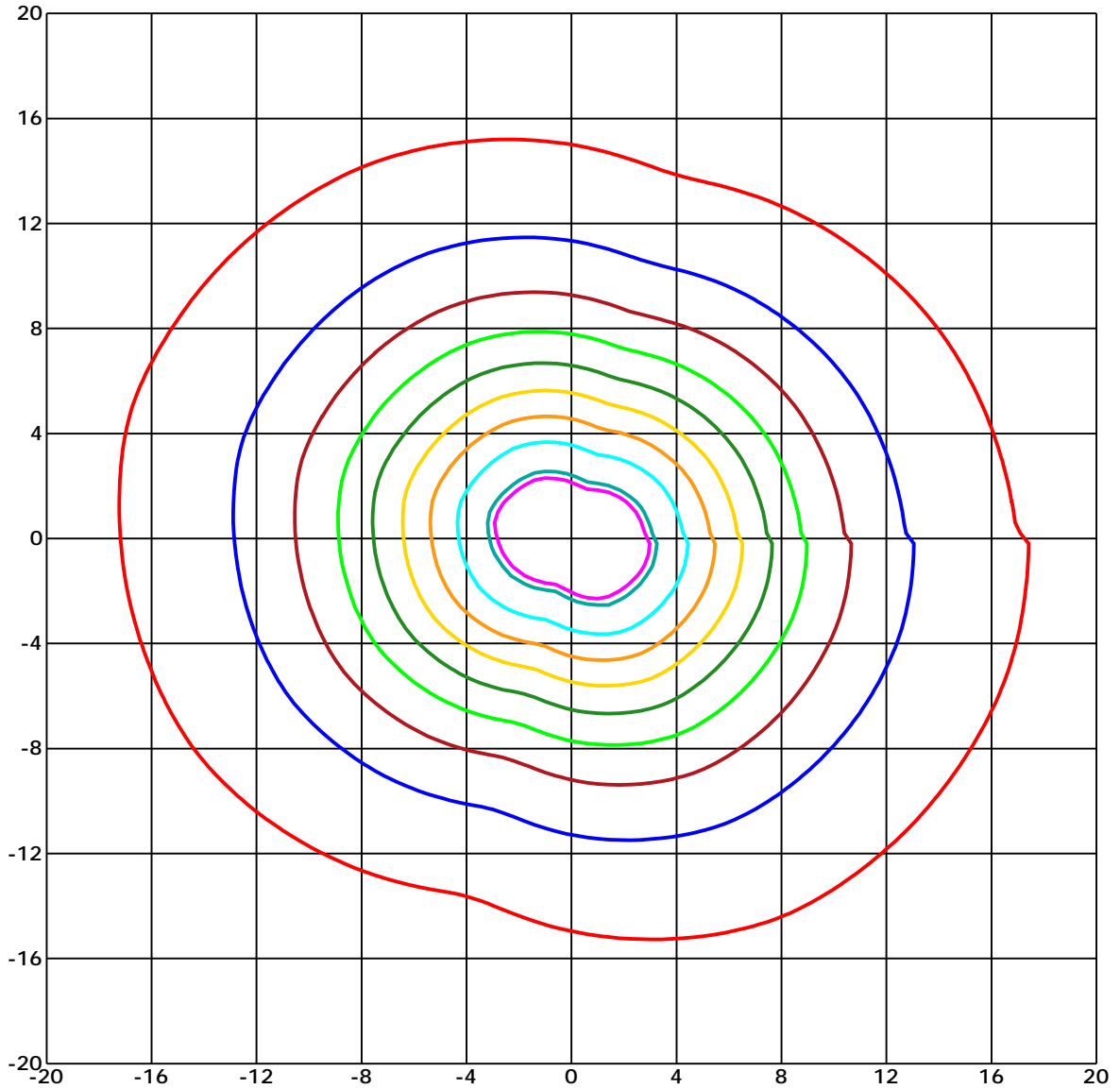
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/15 8:45:12

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 65
 Test Distance: 6.25 m
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ISOLX DIAGRAM



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

- | | |
|------------------|------------------|
| — 0.696(92%Emax) | — 0.378(50%Emax) |
| — 0.681(90%Emax) | — 0.303(40%Emax) |
| — 0.605(80%Emax) | — 0.227(30%Emax) |
| — 0.53(70%Emax) | — 0.151(20%Emax) |
| — 0.454(60%Emax) | — 0.076(10%Emax) |

C Range: 0 - 360 Deg
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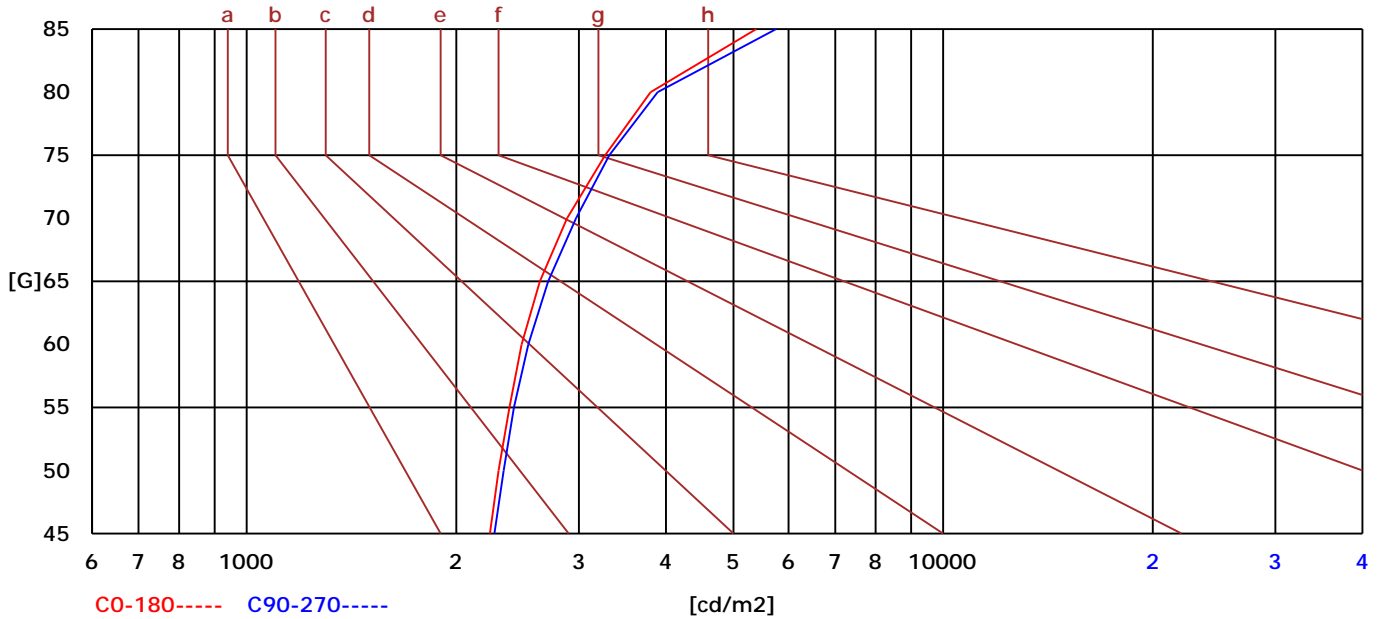
G Range: 0 - 90 Deg
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 Test Distance: 6.25 m
 Remarks:

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BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	2235	2300	2385	2482	2637	2884	3271	3802	5390
C90	2268	2340	2421	2539	2711	2972	3317	3892	5759
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: 2025/11/15 8:45:12

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

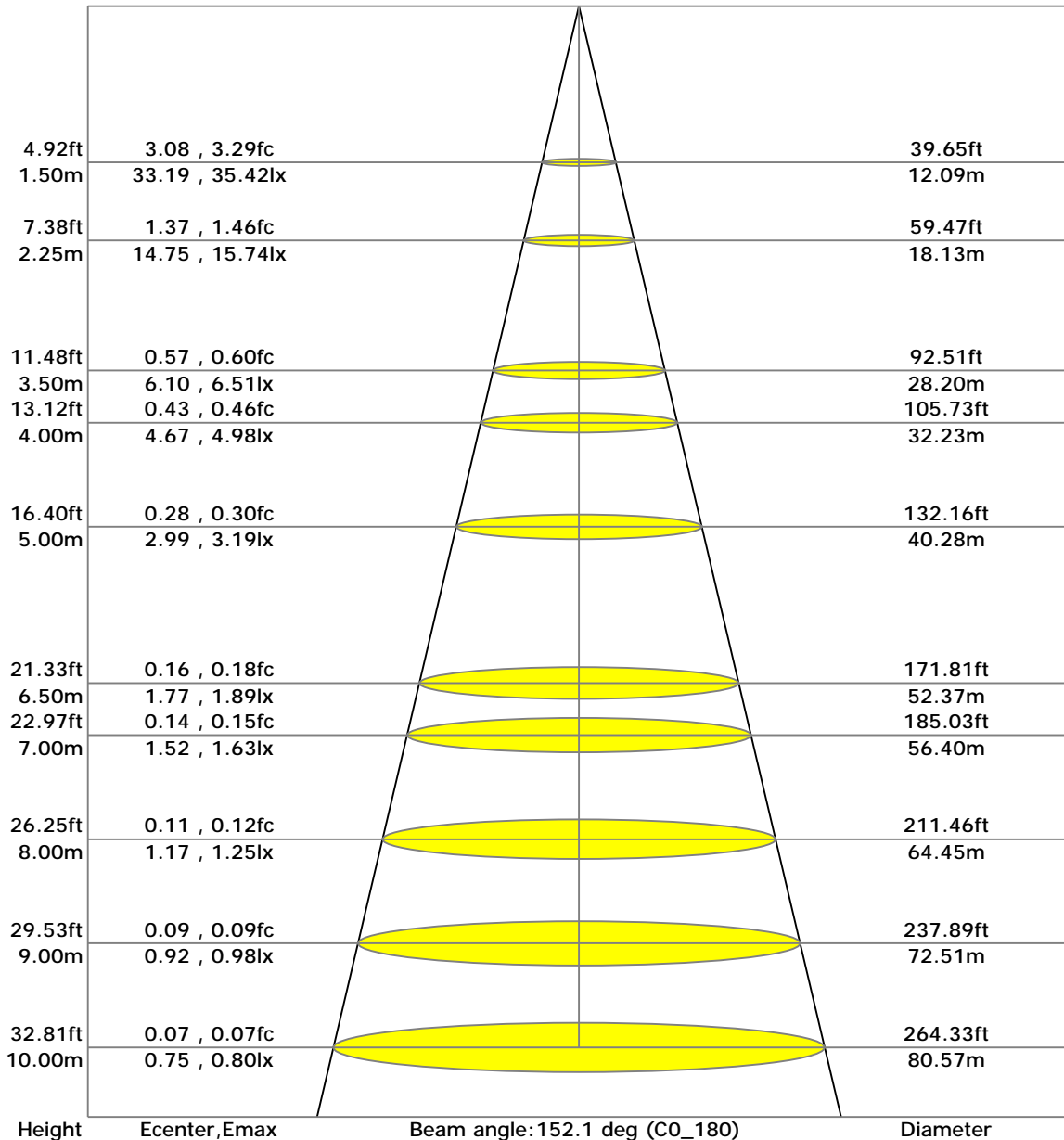
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2025/11/15 8:45:12

LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/15 8:45:12

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

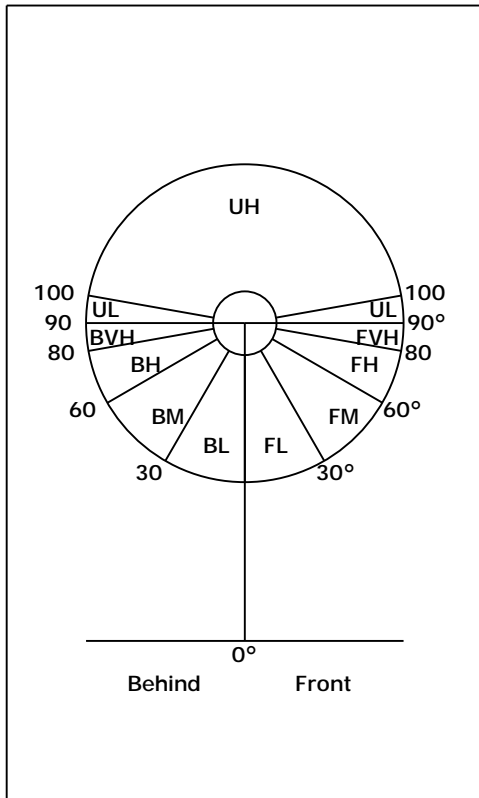
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2025/11/15 8:45:12

BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	149.4	49.3
FL (0°-30°)	31.4	10.4
FM (30°-60°)	70.0	23.1
FH (60°-80°)	38.5	12.7
FVH (80°-90°)	9.4	3.1

Behind	153.8	50.7
BL (0°-30°)	31.3	10.3
BM (30°-60°)	70.6	23.3
BH (60°-80°)	39.8	13.1
BVH (80°-90°)	12.1	4.0

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 G1
Symmetrical Lighting Fixtures (Type V , Area Light)	B0 U0 G1

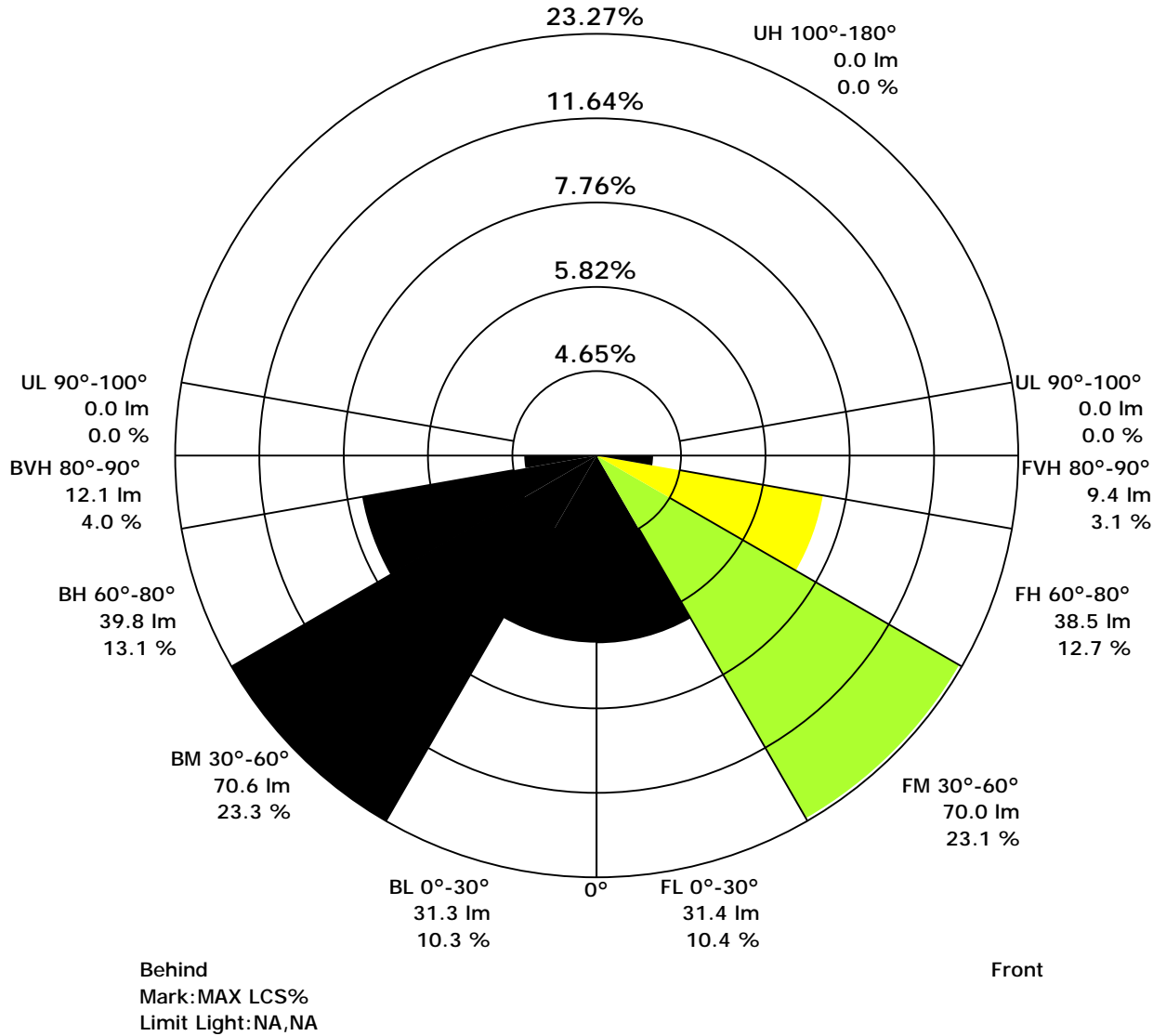
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G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 65
 Test Distance: 6.25 m
 Remarks:

Report No.:

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LCS 图



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/15 8:45:12

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 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	17.65	18.52	17.31	18.49	18.52	16.32	17.20	15.99	17.16	17.19
	3H	17.37	18.18	17.12	18.20	18.30	16.30	17.11	16.05	17.13	17.23
	4H	17.17	17.94	16.97	17.99	18.13	16.22	16.98	16.01	17.03	17.17
	6H	16.93	17.65	16.78	17.74	17.92	16.04	16.76	15.89	16.85	17.03
	8H	16.80	17.50	16.68	17.60	17.81	15.91	16.60	15.79	16.71	16.91
	12H	16.67	17.34	16.58	17.46	17.69	15.77	16.45	15.68	16.57	16.80
4H	2H	21.35	22.12	21.15	22.17	22.31	18.51	19.28	18.31	19.33	19.47
	3H	21.22	21.89	21.13	22.02	22.25	18.68	19.35	18.59	19.48	19.70
	4H	21.05	21.67	21.03	21.83	22.11	18.70	19.32	18.68	19.48	19.76
	6H	20.81	21.36	20.86	21.57	21.91	18.64	19.19	18.69	19.40	19.74
	8H	20.67	21.18	20.76	21.42	21.78	18.57	19.08	18.66	19.32	19.68
	12H	20.52	20.99	20.65	21.25	21.65	18.45	18.92	18.58	19.18	19.58
8H	4H	22.86	23.56	22.74	23.67	23.87	19.07	19.76	18.95	19.87	20.07
	6H	22.80	23.23	22.97	23.52	23.95	19.52	19.95	19.69	20.23	20.67
	8H	22.70	23.08	22.91	23.39	23.85	19.56	19.94	19.77	20.25	20.72
	12H	22.56	22.89	22.82	23.22	23.73	19.58	19.91	19.84	20.24	20.75
12H	4H	23.55	24.02	23.68	24.28	24.68	19.51	19.98	19.64	20.24	20.64
	6H	23.55	23.93	23.76	24.24	24.71	19.67	20.04	19.88	20.36	20.82

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/15 8:45:12

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

Remarks:

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ZONAL LUMINOUS FLUX TABLE-2

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	φ zonal	φ total	%lum	%lamp
10	77.7	76.9	73.4	76.7	77.8	75.6	73.0	76.3	10	7.2	7.2	2.4	2.4
20	79.2	75.7	69.8	76.1	79.5	75.5	68.7	76.3	20	21.5	28.7	9.5	9.5
30	77.9	72.5	63.8	73.0	78.5	73.2	61.9	73.8	30	34.1	62.7	20.7	20.7
40	74.3	66.9	55.3	67.5	74.9	68.2	53.5	68.9	40	43.4	106.1	35.0	35.0
50	68.8	59.1	45.6	60.2	69.6	61.6	43.7	61.8	50	48.5	154.6	51.0	51.0
60	61.3	49.6	34.4	50.8	62.4	53.4	32.7	53.2	60	48.7	203.3	67.1	67.1
70	52.0	39.5	22.7	40.7	50.6	43.5	20.4	43.1	70	44.1	247.5	81.6	81.6
80	34.2	26.4	10.0	27.0	29.8	33.2	8.0	32.6	80	34.1	281.6	92.9	92.9
90	20.3	16.1	0.0	17.9	19.3	140.5	0.0	139.6	90	21.6	303.2	100.0	100.0

Conical surface Flux(90deg) : 130.0 lm

%lum = 42.9%

%lamp = 42.9%

Conical surface Flux(120deg) : 203.3 lm

%lum = 67.1%

%lamp = 67.1%

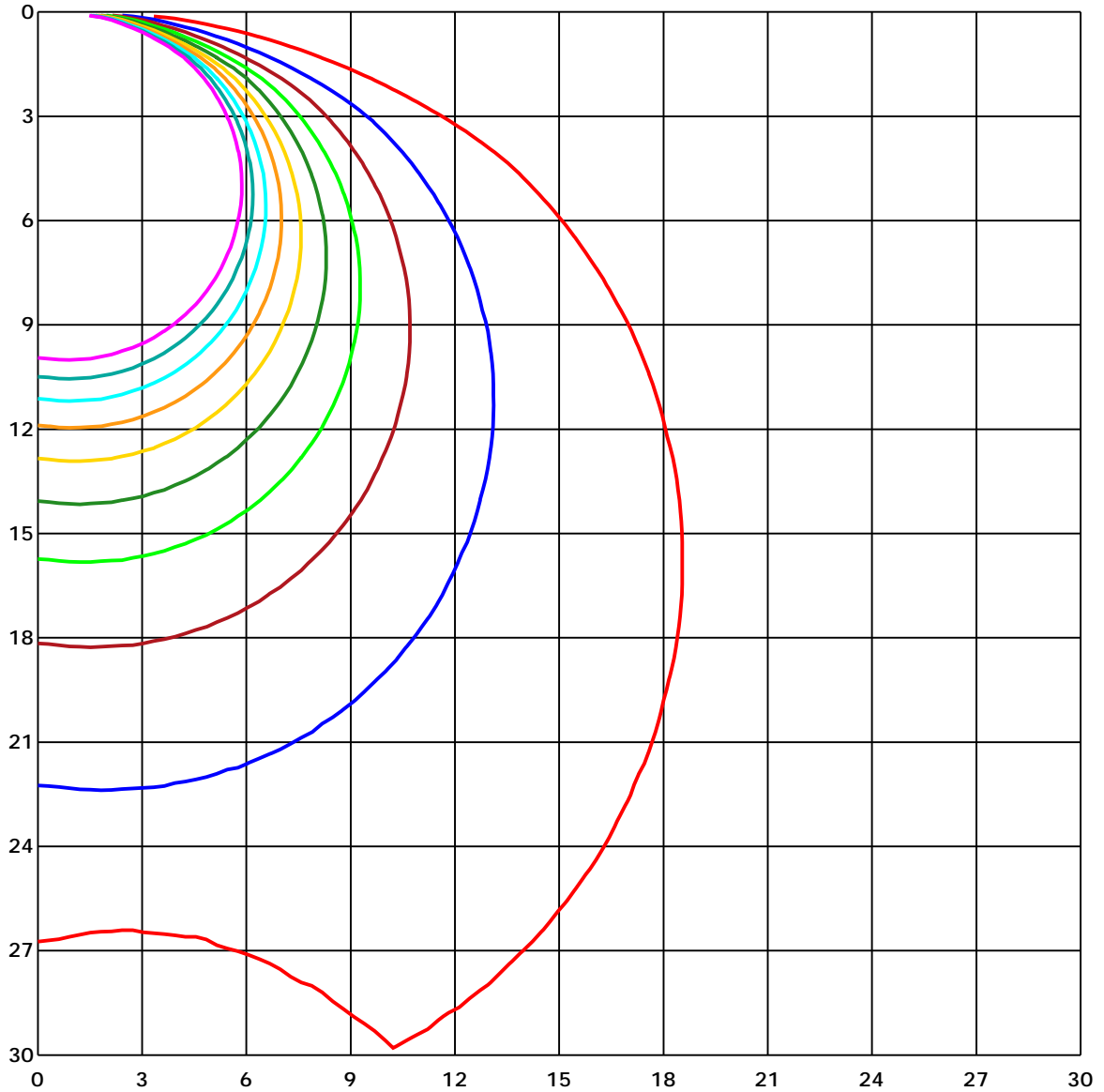
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SPACE ISOLX DIAGRAM



Unit of illumination: lx

- | | |
|---------|---------|
| — 0.755 | — 0.377 |
| — 0.679 | — 0.302 |
| — 0.604 | — 0.226 |
| — 0.528 | — 0.151 |
| — 0.453 | — 0.075 |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/15 8:45:12

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2025/11/15 8:45:12

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	74.69	74.53	74.65	74.73	74.69	74.53	74.65	74.73	74.69	
G1	74.84	74.88	74.69	74.73	75.0	74.57	74.49	74.77	74.84	
G2	75.27	75.12	74.49	75.16	75.31	74.53	74.53	74.92	75.27	
G3	75.74	75.55	74.57	75.2	75.63	74.61	74.34	75.0	75.74	
G4	76.05	75.82	74.45	75.63	76.02	74.69	74.22	75.43	76.05	
G5	76.52	76.09	74.49	75.59	76.6	74.88	74.22	75.66	76.52	
G6	76.64	76.17	74.3	76.05	76.91	75.08	73.83	75.9	76.64	
G7	76.99	76.37	74.34	76.13	77.46	75.27	73.71	75.9	76.99	
G8	77.3	76.33	73.91	76.13	77.62	75.27	73.79	76.21	77.3	
G9	77.89	76.56	73.98	76.33	77.73	75.51	73.24	76.37	77.89	
G10	77.73	76.91	73.44	76.68	77.81	75.59	73.01	76.29	77.73	
G11	78.13	76.68	73.36	76.56	78.48	75.66	72.66	76.48	78.13	
G12	78.36	76.64	73.01	76.76	78.48	75.7	72.19	76.72	78.36	
G13	78.59	76.8	72.73	76.56	78.75	75.7	71.88	76.8	78.59	
G14	78.44	76.68	72.3	76.84	78.79	75.78	71.41	76.68	78.44	
G15	79.02	76.41	72.07	76.56	79.06	75.82	71.25	76.52	79.02	
G16	78.87	76.52	71.37	76.48	79.1	75.63	70.74	76.6	78.87	
G17	78.98	76.37	71.29	76.48	79.41	76.05	70.39	77.15	78.98	
G18	79.22	76.17	70.55	76.13	79.34	75.78	69.69	76.72	79.22	
G19	79.18	76.05	70.39	76.05	79.53	75.74	69.26	76.33	79.18	
G20	79.18	75.7	69.84	76.05	79.49	75.55	68.67	76.29	79.18	
G21	79.38	75.66	69.65	75.86	79.69	75.39	68.09	76.13	79.38	
G22	78.91	75.47	68.91	75.98	79.41	75.08	67.66	76.02	78.91	
G23	79.22	75.12	68.36	75.31	79.49	75.04	67.11	75.7	79.22	
G24	78.95	74.84	67.62	75.04	79.38	74.73	66.17	75.78	78.95	
G25	79.06	74.57	67.19	74.8	79.45	74.57	65.74	75.39	79.06	
G26	78.67	74.02	66.37	74.49	78.95	74.3	64.88	75.16	78.67	
G27	78.52	73.91	66.13	74.1	79.02	73.98	64.41	74.77	78.52	
G28	78.44	73.4	65.2	73.83	78.95	73.79	63.44	74.57	78.44	
G29	78.24	72.97	64.61	73.44	78.71	73.48	62.7	74.18	78.24	
G30	77.85	72.54	63.75	73.01	78.48	73.24	61.91	73.79	77.85	
G31	77.73	72.11	63.24	72.46	78.44	72.62	61.33	73.32	77.73	
G32	77.3	71.6	62.34	71.99	77.93	72.46	60.31	73.16	77.3	
G33	77.19	71.02	61.48	71.56	77.93	71.95	59.73	72.5	77.19	
G34	76.84	70.55	60.78	71.05	77.19	71.48	58.87	72.11	76.84	
G35	76.45	69.8	60.0	70.51	77.03	70.98	58.01	71.56	76.45	
G36	75.86	69.26	59.06	70.0	76.76	70.47	57.07	71.13	75.86	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

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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: 6.25 m

Remarks:

Report No.:

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LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

GammaC	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	75.63	68.75	58.36	69.26	76.64	70.04	56.21	70.47	75.63	
G38	74.92	68.13	57.3	68.63	75.98	69.53	55.16	70.08	74.92	
G39	74.88	67.62	56.6	68.01	75.74	68.95	54.3	69.3	74.88	
G40	74.3	66.88	55.31	67.54	74.92	68.24	53.48	68.87	74.3	
G41	73.87	66.33	54.73	66.76	74.96	68.05	52.19	68.16	73.87	
G42	73.2	65.39	53.52	66.33	74.22	67.11	51.33	67.66	73.2	
G43	72.73	64.92	52.73	65.43	73.63	66.64	50.63	67.07	72.73	
G44	72.3	64.1	51.76	64.88	73.32	65.82	49.65	66.56	72.3	
G45	71.88	63.2	50.86	64.14	72.66	65.35	48.83	65.55	71.88	
G46	71.29	62.54	49.77	63.48	72.07	64.45	47.85	64.92	71.29	
G47	70.74	61.84	48.87	62.5	71.68	63.83	46.84	64.06	70.74	
G48	70.16	60.9	47.66	61.8	71.09	63.09	45.9	63.55	70.16	
G49	69.41	59.96	46.72	60.86	70.39	62.46	44.96	62.7	69.41	
G50	68.75	59.14	45.59	60.16	69.57	61.56	43.67	61.76	68.75	
G51	68.2	58.4	44.65	59.34	69.1	60.86	42.73	60.94	68.2	
G52	67.54	57.5	43.55	58.32	68.13	59.92	41.52	60.23	67.54	
G53	66.88	56.6	42.38	57.38	67.73	59.22	40.66	59.3	66.88	
G54	66.17	55.51	41.25	56.6	66.88	58.44	39.26	58.36	66.17	
G55	65.47	54.73	40.2	55.55	66.41	57.62	38.32	57.7	65.47	
G56	64.34	53.75	38.98	54.73	65.43	56.68	37.23	56.91	64.34	
G57	63.71	52.58	37.85	53.63	64.8	55.82	36.02	55.98	63.71	
G58	62.97	51.8	36.64	52.73	63.87	55.12	34.96	55.12	62.97	
G59	62.23	50.74	35.66	51.8	63.4	54.1	33.67	54.18	62.23	
G60	61.33	49.65	34.38	50.78	62.38	53.36	32.66	53.16	61.33	
G61	60.55	48.71	33.28	49.77	61.6	52.27	31.41	52.15	60.55	
G62	59.8	47.62	32.19	48.83	60.74	51.33	30.08	51.48	59.8	
G63	58.71	46.91	30.9	47.77	59.8	50.55	29.02	50.27	58.71	
G64	57.77	45.7	29.57	46.72	58.91	49.45	27.7	49.34	57.77	
G65	56.99	44.57	28.67	45.82	58.28	48.52	26.6	48.28	56.99	
G66	55.9	43.52	27.3	44.88	57.15	47.62	25.27	47.15	55.9	
G67	55.04	42.77	26.29	43.71	55.98	46.48	24.1	46.21	55.04	
G68	54.14	41.68	25.04	42.62	54.14	45.43	22.85	45.27	54.14	
G69	53.09	40.51	23.87	41.68	50.23	44.61	21.6	44.06	53.09	
G70	51.99	39.45	22.66	40.66	50.59	43.48	20.39	43.09	51.99	
G71	51.05	38.4	21.64	39.49	48.4	42.46	19.18	42.07	51.05	
G72	50.08	37.3	20.35	38.52	46.37	41.41	17.89	40.98	50.08	
G73	48.52	36.13	19.1	37.19	44.18	40.51	16.84	40.0	48.52	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/15 8:45:12

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

Remarks:

