

Report No.:

Test Time: 2025/11/14 15:14:22

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: 0
 Luminaire Type: 62641LEDDCS-BS/OPL
 Lamp Type:
 Luminous Width: 0 mm
 Luminous Length: 0 mm
 Luminous Height: 0 mm

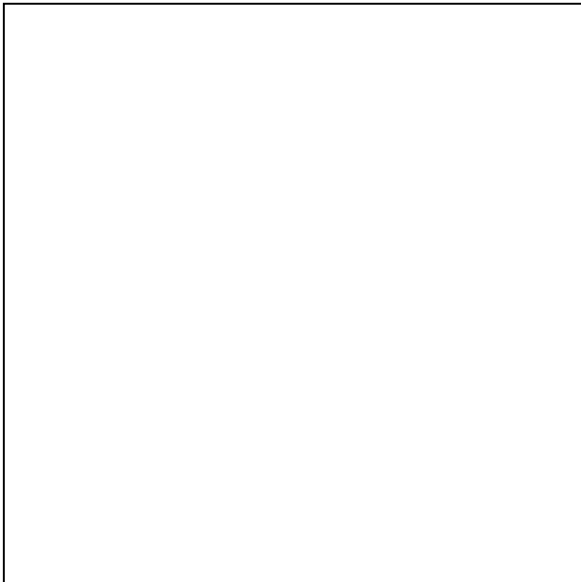
Voltage(V): 119.40 V
 Current(A): 0.0470 A
 Power(W): 5.53 W
 Power Factor: 0.9750
 Lamp Luminous Flux: 350.66

Photometric Results

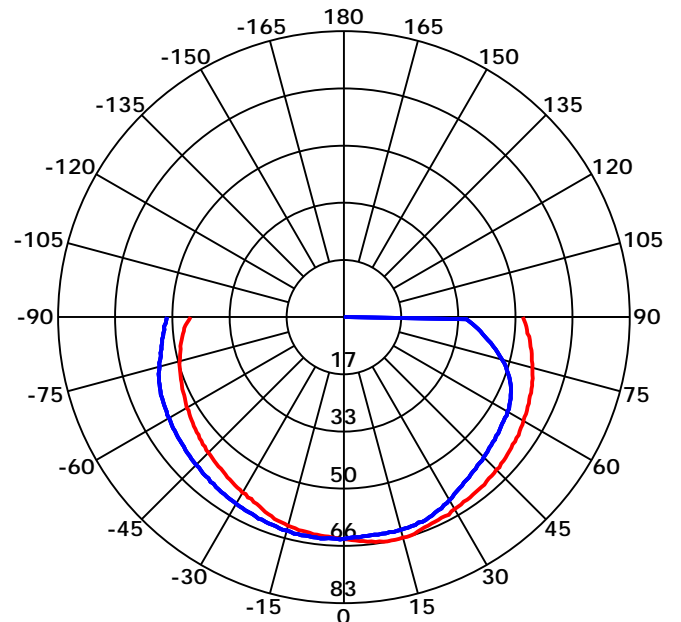
CIE Class: Direct
 Luminaire Luminous Flux: 350.6645 lm
 Downward Ratio: 100.00%
 Luminaire Efficacy Rating(LER): 63.41 lm/W
 Beam Angle(50%) C0-180,C90-270: 0.0,83.1
 Field Angle(10%) C0-180,C90-270: 0.0,83.8
 S/MH C0-180,C90-270: 1.400,1.453

Max. Intensity: 66.13 cd
 Max.Intensity Angle: C=0 Gamma=16
 Upward Ratio: 0.00%
 Efficacy: 100.00%
 Center Intensity: 64.18 cd
 Effective Luminous Flux: 350.66 lm
 ERP(φ use)(120deg): 187.90 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 0.0 deg,83.1 deg

Average Beam Angle: 41.5 deg

C0-180 ——— C90-270 ———

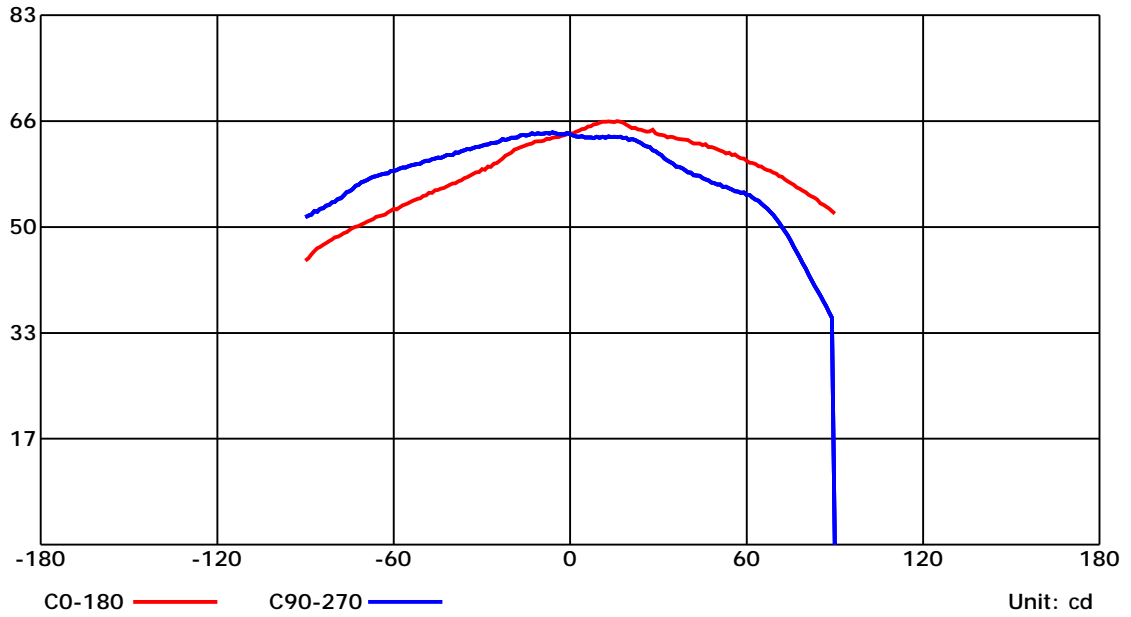
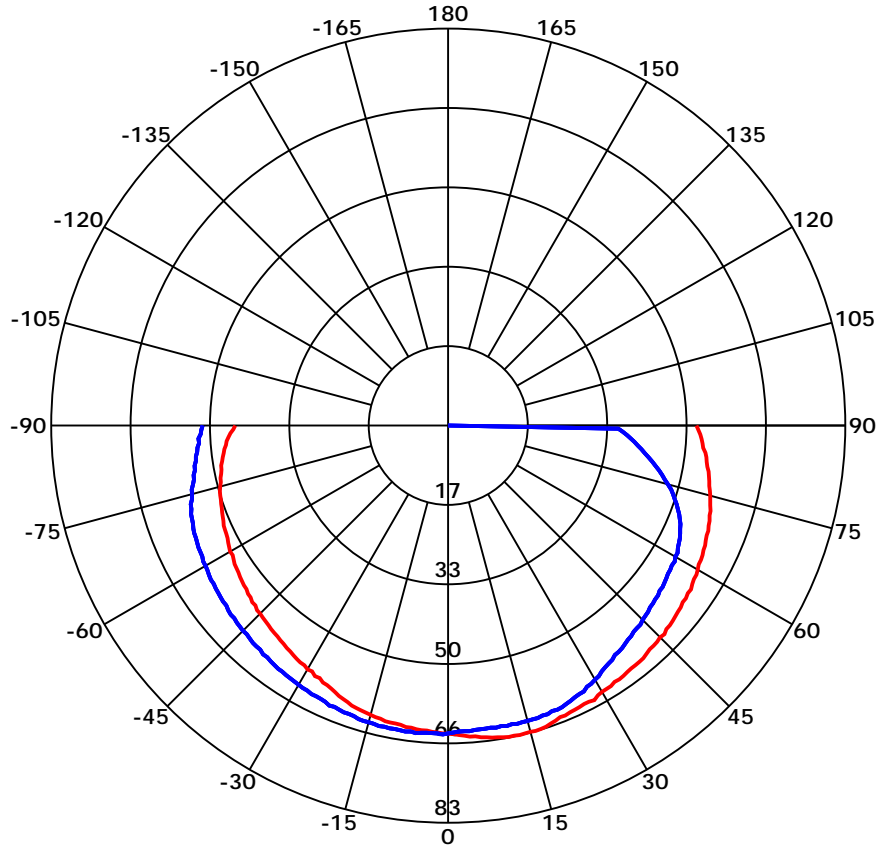
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/14 15:14:22

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



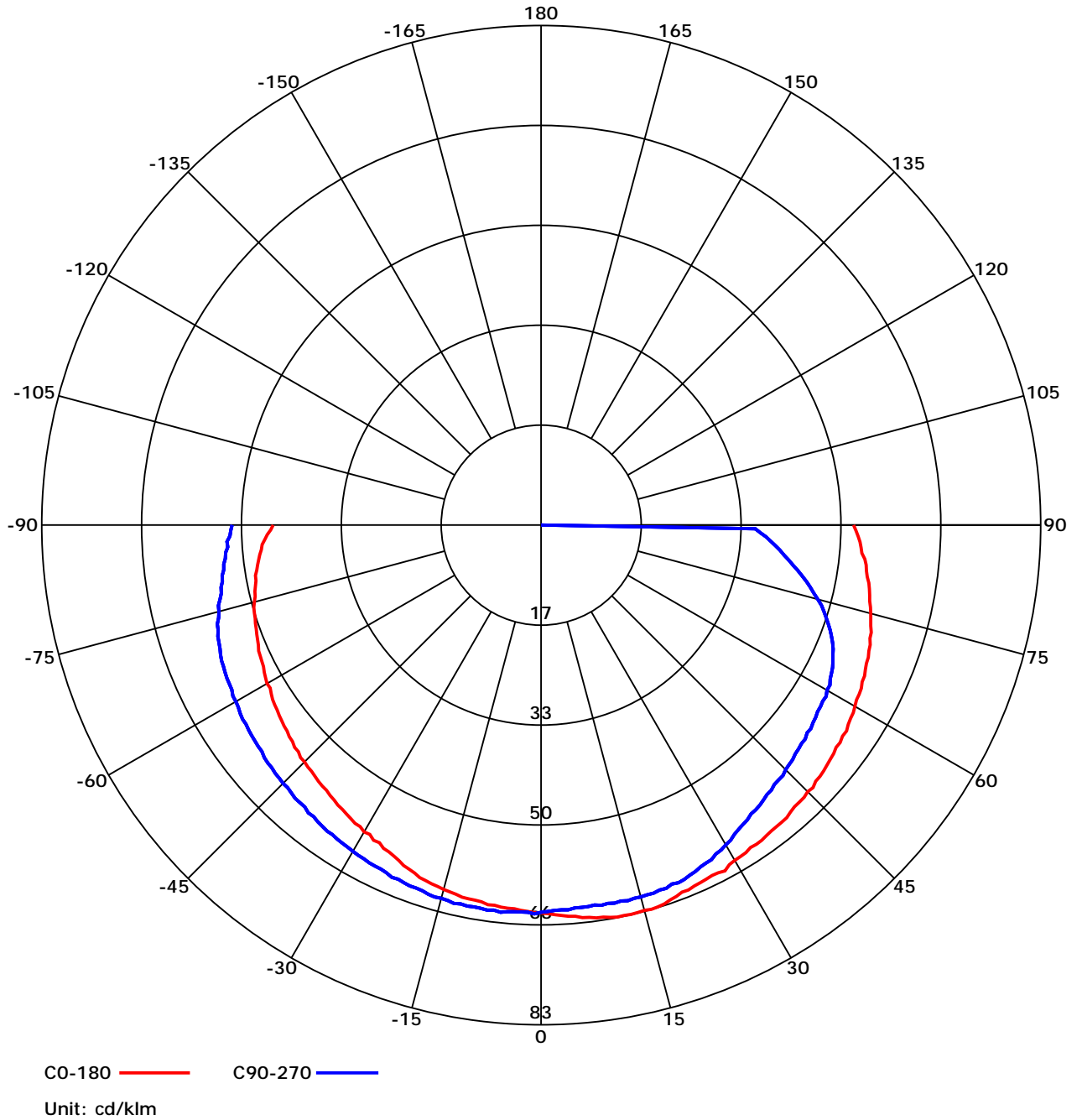
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Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 15:14:22

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

Remarks:

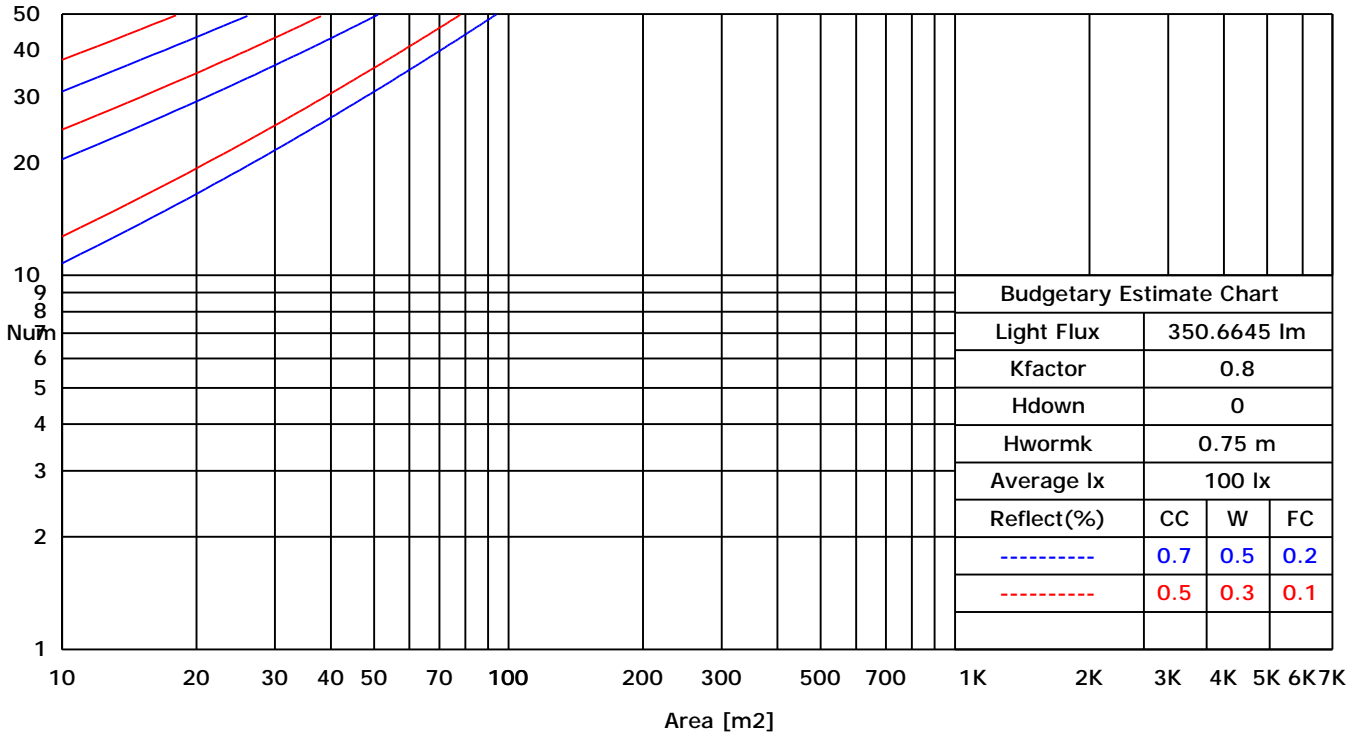
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UTILIZATION FACTORS TABLE

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	1.01	1.01	1.01	0.99	0.99	0.99	0.94	0.94	0.94	0.90	0.90	0.90	0.87	0.87	0.87	0.85
1	0.87	0.85	0.84	0.86	0.84	0.82	0.83	0.81	0.79	0.79	0.77	0.75	0.74	0.71	0.69	0.65
2	0.68	0.65	0.63	0.68	0.65	0.62	0.67	0.63	0.60	0.64	0.60	0.57	0.61	0.57	0.53	0.49
3	0.55	0.52	0.50	0.56	0.52	0.49	0.55	0.51	0.47	0.54	0.49	0.45	0.52	0.47	0.42	0.39
4	0.46	0.43	0.41	0.47	0.43	0.40	0.47	0.42	0.39	0.47	0.41	0.37	0.46	0.40	0.35	0.32
5	0.39	0.36	0.34	0.40	0.36	0.34	0.41	0.36	0.32	0.41	0.35	0.31	0.41	0.35	0.29	0.26
6	0.33	0.31	0.29	0.35	0.31	0.29	0.36	0.31	0.28	0.37	0.31	0.27	0.37	0.30	0.25	0.22
7	0.29	0.27	0.25	0.30	0.27	0.25	0.32	0.27	0.24	0.33	0.27	0.23	0.33	0.27	0.22	0.19
8	0.26	0.23	0.22	0.27	0.24	0.22	0.29	0.24	0.21	0.30	0.24	0.20	0.31	0.24	0.19	0.17
9	0.23	0.21	0.19	0.24	0.21	0.19	0.26	0.22	0.19	0.27	0.22	0.18	0.28	0.22	0.17	0.15
10	0.21	0.19	0.17	0.22	0.19	0.17	0.24	0.20	0.17	0.25	0.20	0.16	0.26	0.20	0.16	0.13

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



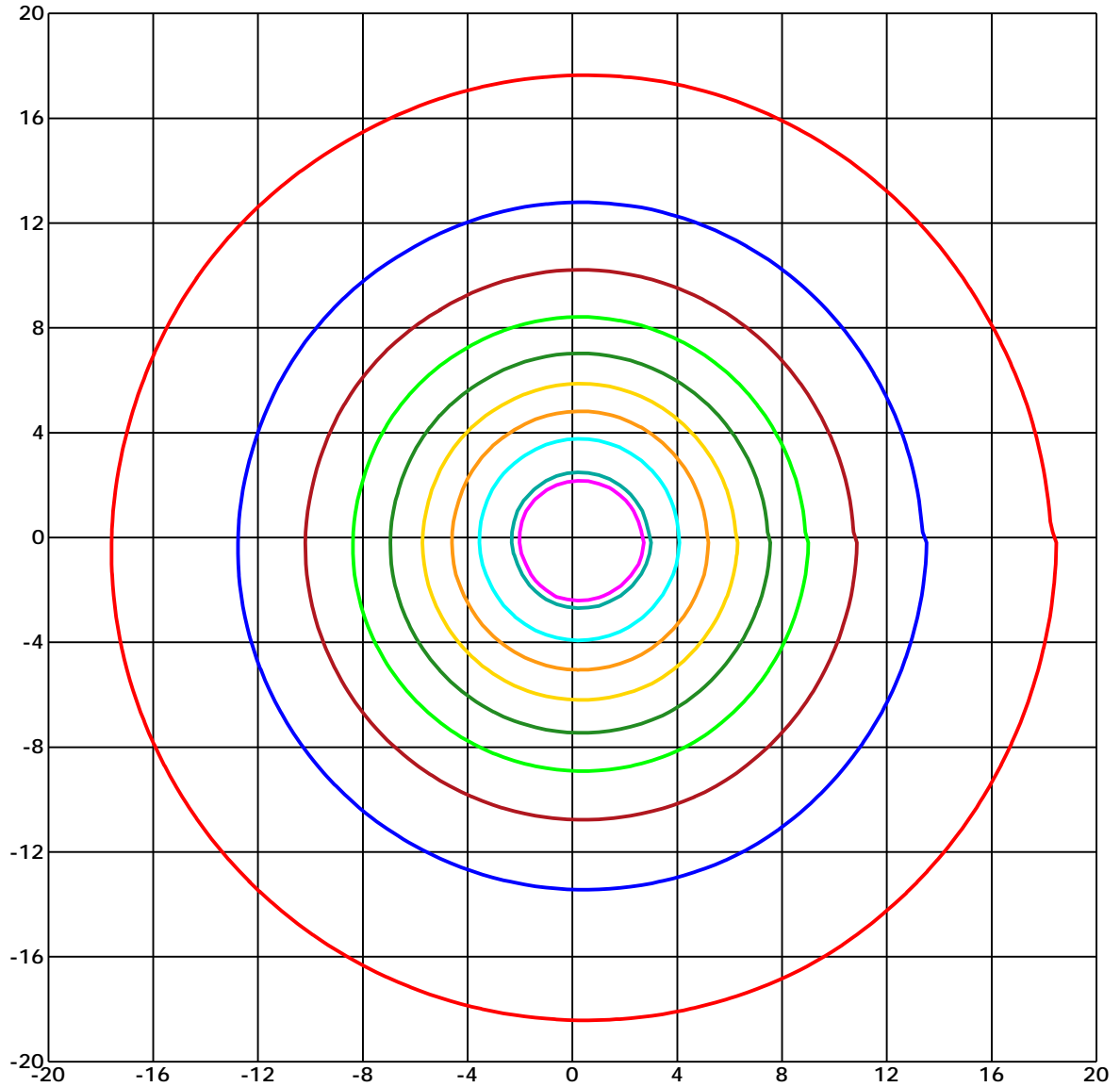
C Range: 0 - 360 Deg
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 Test Speed: High
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G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 65
 Test Distance: 6.25 m
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ISOLX DIAGRAM



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

- | | |
|------------------|------------------|
| — 0.593(92%Emax) | — 0.322(50%Emax) |
| — 0.58(90%Emax) | — 0.258(40%Emax) |
| — 0.515(80%Emax) | — 0.193(30%Emax) |
| — 0.451(70%Emax) | — 0.129(20%Emax) |
| — 0.386(60%Emax) | — 0.064(10%Emax) |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 15:14:22

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

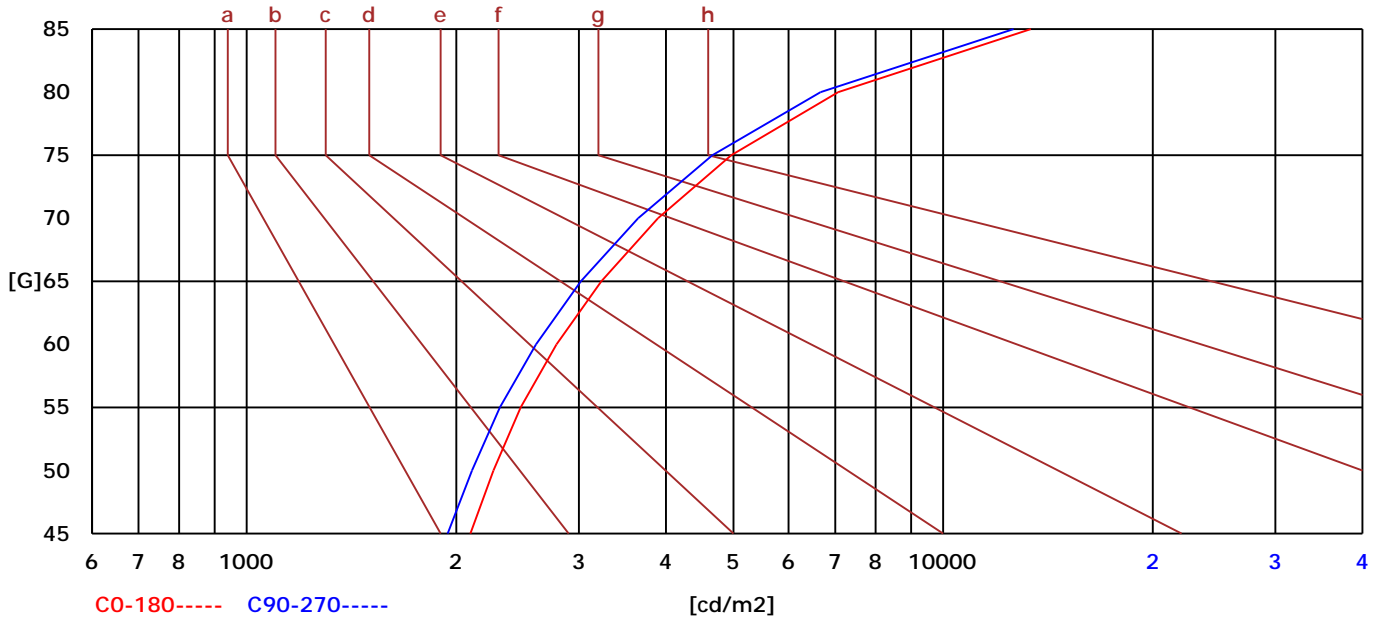
Remarks:

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BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	2095	2262	2476	2785	3230	3895	4962	7069	13367
C90	1945	2107	2310	2604	3020	3649	4664	6670	12617
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



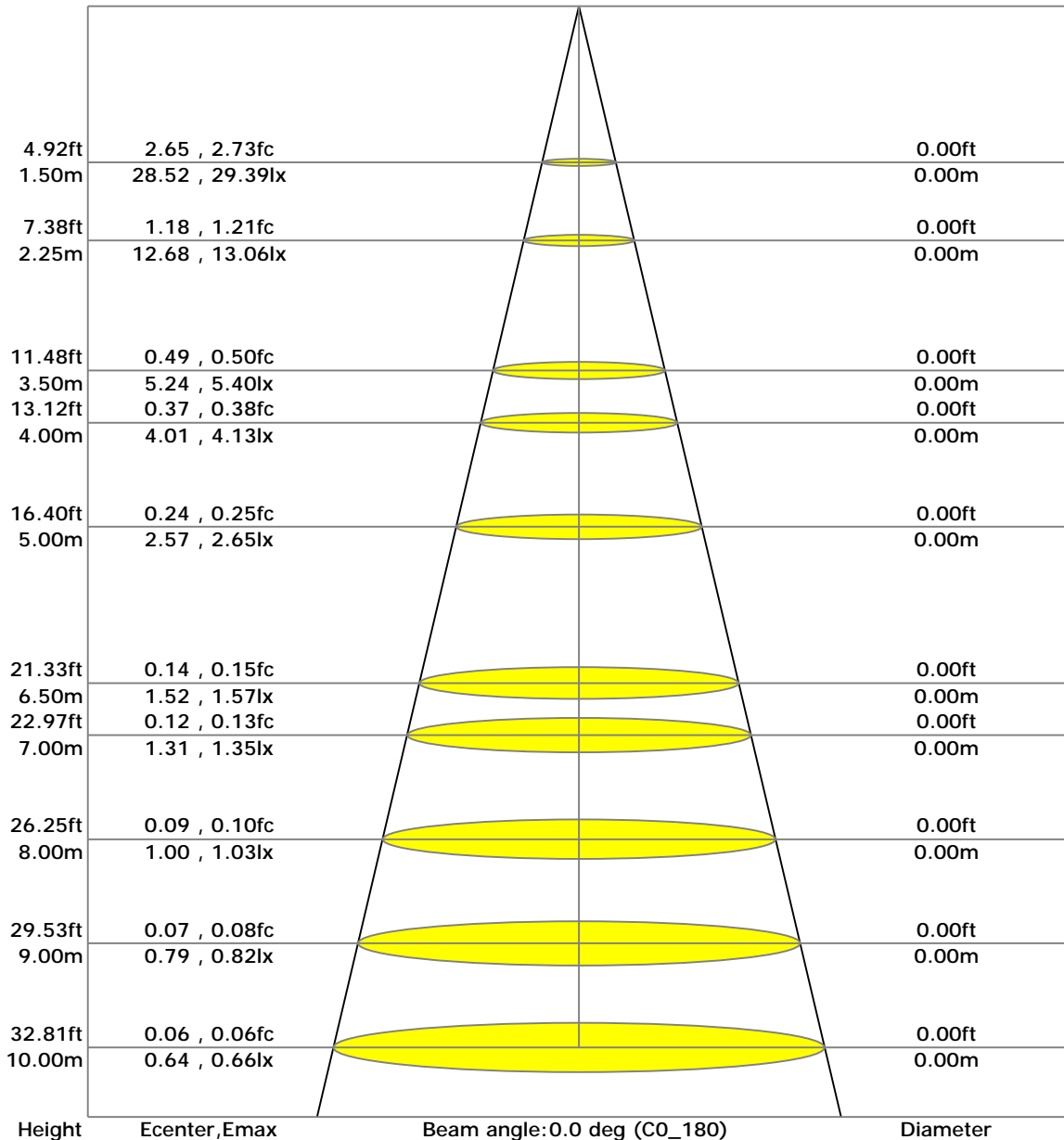
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 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/14 15:14:22

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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LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 15:14:22

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

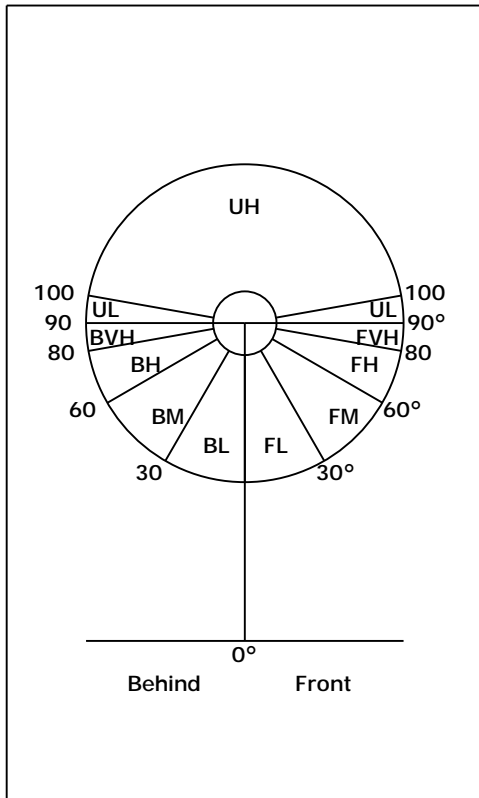
Test Distance: 6.25 m

Remarks:

Report No.:

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BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	169.7	48.4
FL (0°-30°)	26.5	7.5
FM (30°-60°)	66.0	18.8
FH (60°-80°)	52.9	15.1
FVH (80°-90°)	24.4	6.9

Behind	180.9	51.6
BL (0°-30°)	26.6	7.6
BM (30°-60°)	68.8	19.6
BH (60°-80°)	57.2	16.3
BVH (80°-90°)	28.3	8.1

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

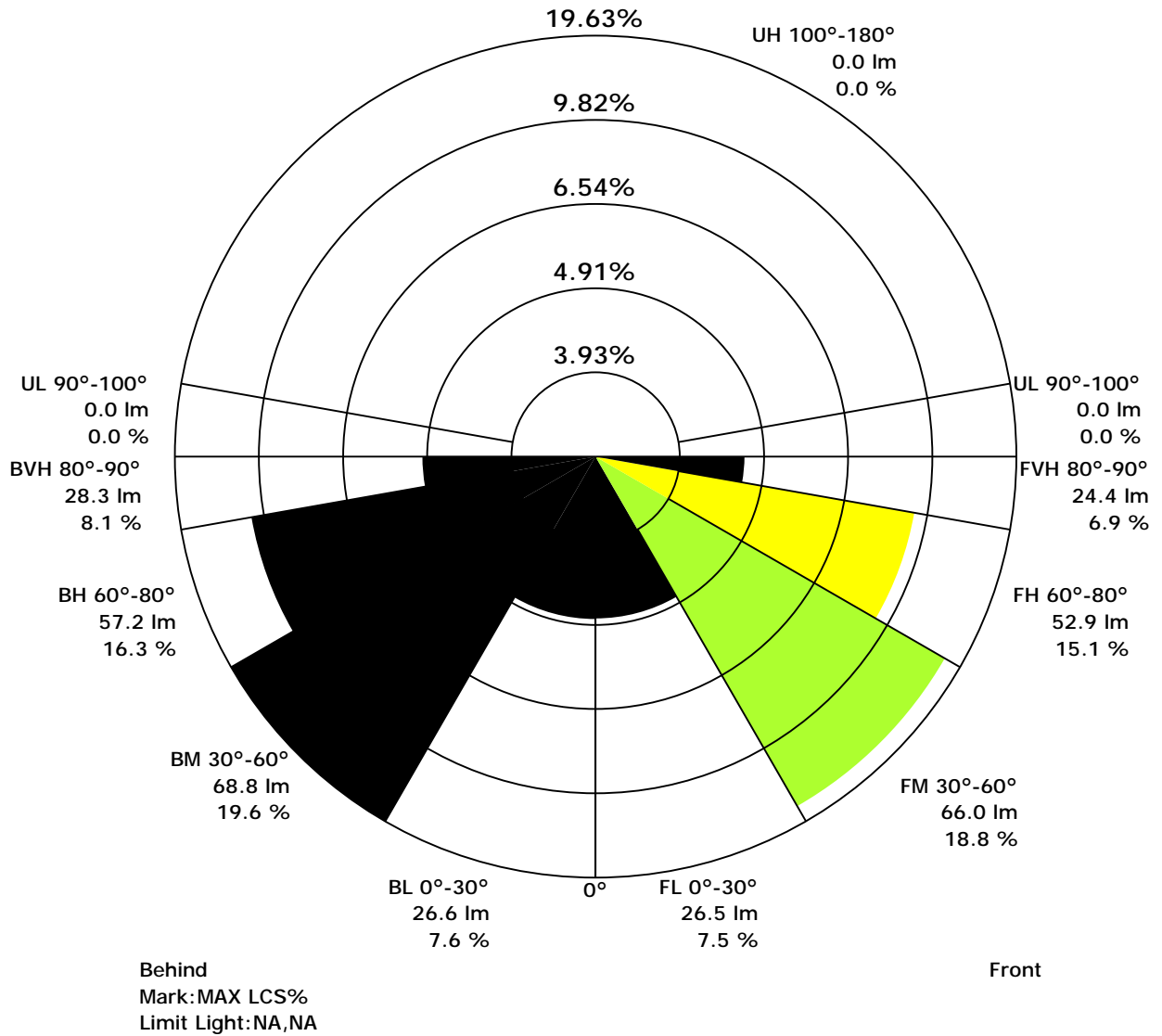
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 Test Date: 2025/11/14 15:14:22

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
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 Humidity: 65
 Test Distance: 6.25 m
 Remarks:

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LCS 图



C Range: 0 - 360 Deg
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G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
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 Humidity: 65
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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	18.47	19.49	18.03	19.34	19.29	18.31	19.33	17.87	19.19	19.13
	3H	18.44	19.38	18.09	19.30	19.32	18.32	19.26	17.97	19.18	19.20
	4H	18.34	19.24	18.04	19.20	19.26	18.26	19.15	17.96	19.11	19.17
	6H	18.16	19.01	17.92	19.01	19.11	18.10	18.95	17.86	18.95	19.05
	8H	18.02	18.84	17.82	18.86	19.00	17.96	18.78	17.76	18.81	18.94
	12H	17.88	18.67	17.71	18.72	18.87	17.82	18.61	17.65	18.66	18.81
4H	2H	23.04	23.94	22.74	23.89	23.95	22.59	23.49	22.30	23.45	23.51
	3H	23.16	23.94	22.98	23.99	24.15	22.77	23.56	22.59	23.60	23.76
	4H	23.13	23.85	23.03	23.95	24.16	22.78	23.50	22.68	23.60	23.82
	6H	23.02	23.66	23.00	23.82	24.10	22.72	23.37	22.71	23.52	23.80
	8H	22.92	23.53	22.95	23.71	24.02	22.66	23.26	22.69	23.45	23.76
	12H	22.79	23.34	22.86	23.56	23.91	22.55	23.10	22.62	23.31	23.67
8H	4H	25.62	26.44	25.41	26.46	26.59	24.78	25.59	24.57	25.62	25.75
	6H	26.22	26.72	26.34	26.97	27.36	25.53	26.03	25.65	26.27	26.67
	8H	26.22	26.67	26.40	26.95	27.38	25.59	26.03	25.76	26.31	26.74
	12H	26.18	26.56	26.41	26.87	27.35	25.61	25.99	25.84	26.30	26.78
12H	4H	27.31	27.86	27.38	28.08	28.43	26.34	26.89	26.41	27.10	27.46
	6H	27.56	28.01	27.74	28.28	28.72	26.66	27.10	26.83	27.38	27.81

C Range: 0 - 360 Deg
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 G Interval: 1.0 Deg
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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	65.9	64.7	63.6	63.1	63.0	63.2	64.1	65.0	10	6.1	6.1	1.7	1.7
20	65.4	65.0	63.2	62.0	61.3	62.0	63.5	64.7	20	18.1	24.2	6.9	6.9
30	64.0	62.6	61.1	58.9	58.6	60.0	62.3	64.2	30	28.9	53.1	15.1	15.1
40	63.2	60.4	58.2	56.2	56.4	58.7	60.9	63.9	40	38.0	91.1	26.0	26.0
50	61.8	58.2	56.3	54.2	54.5	56.9	59.8	63.0	50	45.6	136.6	39.0	39.0
60	60.0	55.7	54.6	52.1	52.4	55.4	58.4	61.7	60	51.3	187.9	53.6	53.6
70	57.9	53.3	50.9	49.9	50.2	53.4	56.8	59.6	70	54.8	242.7	69.2	69.2
80	55.0	49.1	43.1	46.3	48.0	51.2	53.6	57.3	80	55.3	298.0	85.0	85.0
90	51.7	44.6	0.0	42.4	44.4	48.6	51.1	54.3	90	52.7	350.7	100.0	100.0

Conical surface Flux(90deg) : 113.0 lm

%lum = 32.2%

%lamp = 32.2%

Conical surface Flux(120deg) : 187.9 lm

%lum = 53.6%

%lamp = 53.6%

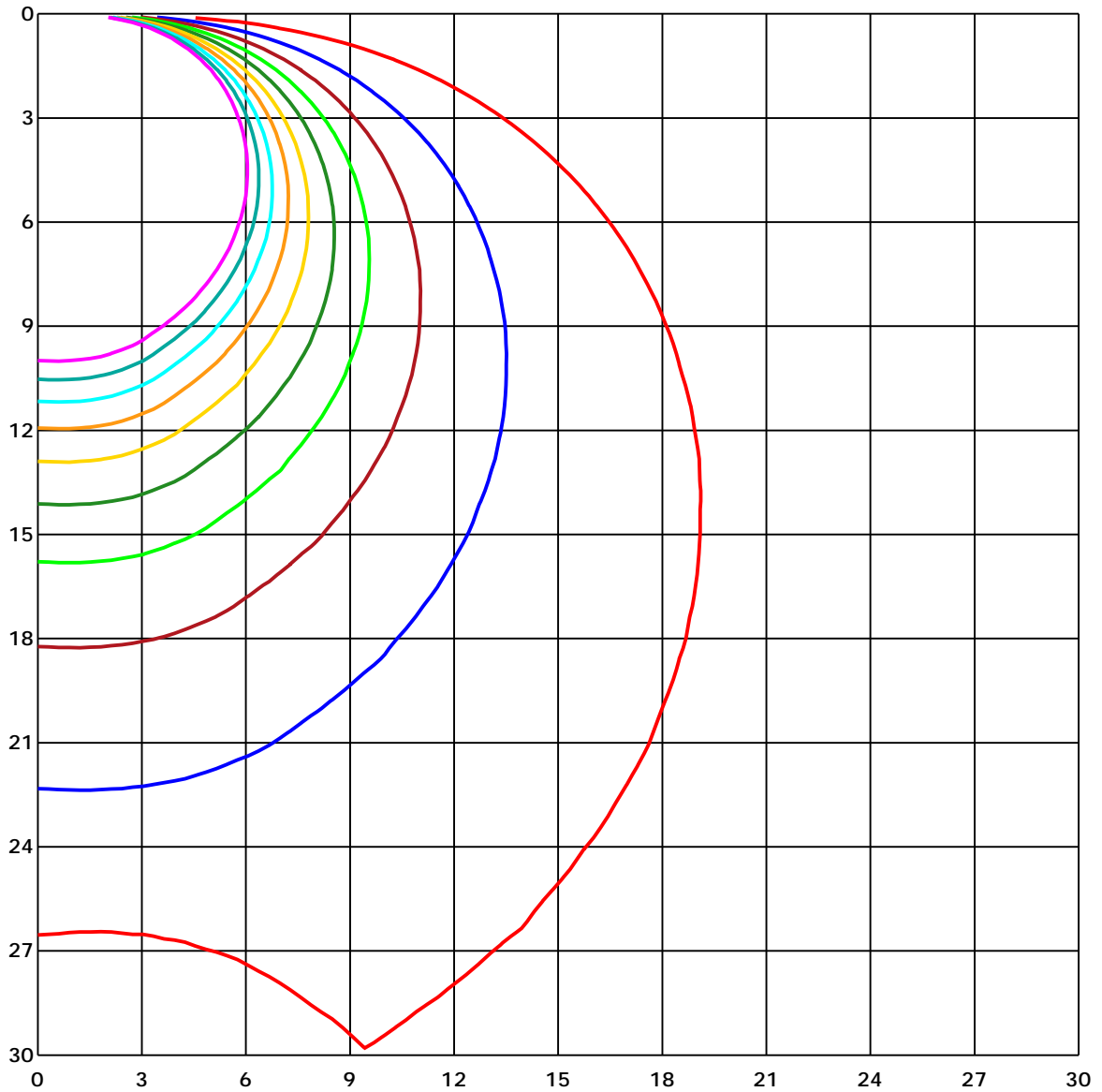
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SPACE ISOLX DIAGRAM



Unit of illumination: lx

- | | |
|---------|---------|
| — 0.644 | — 0.322 |
| — 0.579 | — 0.258 |
| — 0.515 | — 0.193 |
| — 0.451 | — 0.129 |
| — 0.386 | — 0.064 |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 15:14:22

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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Test Time: 2025/11/14 15:14:22

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	64.18	63.91	64.06	63.95	64.18	63.91	64.06	63.95	64.18	
G1	64.26	63.79	63.91	63.55	64.1	63.67	64.3	63.87	64.26	
G2	64.49	63.91	63.75	63.48	63.95	63.59	64.1	64.06	64.49	
G3	64.65	64.1	63.71	63.28	63.83	63.55	64.1	64.34	64.65	
G4	64.88	64.02	63.79	63.2	63.63	63.44	64.1	64.45	64.88	
G5	64.96	64.26	63.59	63.2	63.63	63.52	64.22	64.38	64.96	
G6	65.27	64.3	63.59	63.09	63.55	63.55	64.38	64.73	65.27	
G7	65.35	64.45	63.59	62.97	63.36	63.44	64.18	64.88	65.35	
G8	65.63	64.69	63.48	63.09	63.4	63.44	64.3	64.84	65.63	
G9	65.66	64.49	63.67	62.93	63.09	63.13	64.18	64.88	65.66	
G10	65.9	64.69	63.55	63.13	63.01	63.24	64.14	65.0	65.9	
G11	66.05	64.61	63.71	63.09	62.97	63.13	64.22	65.04	66.05	
G12	66.02	65.04	63.55	63.01	62.93	62.89	64.06	65.16	66.02	
G13	66.09	64.92	63.75	62.85	62.66	62.77	64.22	65.0	66.09	
G14	66.05	65.0	63.63	62.89	62.54	62.66	63.98	65.04	66.05	
G15	65.98	64.96	63.67	62.85	62.38	62.42	63.91	65.0	65.98	
G16	66.13	64.92	63.63	62.7	62.19	62.5	63.98	65.12	66.13	
G17	66.02	64.77	63.67	62.66	62.03	62.38	63.87	64.84	66.02	
G18	65.9	64.88	63.48	62.38	61.84	62.15	63.59	65.0	65.9	
G19	65.59	64.73	63.55	62.19	61.68	61.8	63.52	64.73	65.59	
G20	65.35	64.96	63.2	62.03	61.25	61.95	63.52	64.73	65.35	
G21	65.04	64.53	63.36	61.6	60.98	61.56	63.36	64.65	65.04	
G22	65.08	64.3	63.2	61.6	60.74	61.37	63.16	64.65	65.08	
G23	64.84	64.26	62.93	61.29	60.27	60.98	63.32	64.53	64.84	
G24	64.77	63.91	62.73	60.94	59.92	61.09	62.97	64.53	64.77	
G25	64.65	63.75	62.38	60.47	59.61	60.7	62.77	64.34	64.65	
G26	64.49	63.48	62.19	60.39	59.49	60.74	62.73	64.53	64.49	
G27	64.53	63.28	62.11	59.73	58.98	60.43	62.7	64.45	64.53	
G28	64.77	63.05	61.6	59.49	59.06	60.27	62.5	64.49	64.77	
G29	64.22	62.7	61.45	59.22	58.52	60.08	62.46	64.18	64.22	
G30	64.02	62.58	61.09	58.91	58.63	60.0	62.3	64.18	64.02	
G31	63.98	62.19	60.82	58.44	58.2	59.65	62.15	64.18	63.98	
G32	63.91	62.07	60.31	58.28	58.16	59.61	62.07	64.26	63.91	
G33	63.59	61.88	60.0	58.01	57.89	59.34	61.95	64.18	63.59	
G34	63.71	61.6	59.73	57.7	57.66	59.49	61.76	64.14	63.71	
G35	63.63	61.48	59.49	57.46	57.38	59.18	61.8	64.14	63.63	
G36	63.44	61.29	59.06	57.3	57.23	58.98	61.6	64.1	63.44	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 15:14:22

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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LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

GammaC	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	63.32	60.9	58.98	56.95	56.91	58.98	61.45	64.1	63.32	
G38	63.28	60.7	58.79	56.8	56.72	59.1	61.17	63.95	63.28	
G39	63.24	60.27	58.48	56.48	56.45	58.67	61.25	63.75	63.24	
G40	63.2	60.43	58.16	56.21	56.37	58.67	60.86	63.87	63.2	
G41	62.89	60.04	58.09	55.86	56.17	58.44	60.86	63.67	62.89	
G42	62.66	59.96	57.7	55.7	55.94	58.32	60.82	63.71	62.66	
G43	62.66	59.57	57.62	55.43	55.7	58.09	60.59	63.48	62.66	
G44	62.62	58.87	57.58	55.39	55.59	57.93	60.39	63.59	62.62	
G45	62.38	59.26	57.23	55.0	55.39	57.73	60.43	63.4	62.38	
G46	62.54	59.1	57.03	55.0	55.35	57.58	60.27	63.36	62.54	
G47	62.11	59.02	56.88	54.65	54.92	57.38	60.2	63.2	62.11	
G48	62.11	58.67	56.56	54.45	54.92	57.34	59.96	63.2	62.11	
G49	61.95	58.32	56.45	54.14	54.53	57.03	59.96	62.93	61.95	
G50	61.76	58.16	56.25	54.18	54.45	56.91	59.8	62.97	61.76	
G51	61.56	57.85	56.25	53.79	54.1	56.68	59.49	62.77	61.56	
G52	61.41	57.62	55.82	53.75	53.98	56.6	59.45	62.81	61.41	
G53	61.09	57.42	55.9	53.48	53.79	56.37	59.34	62.66	61.09	
G54	61.17	57.19	55.63	53.13	53.59	56.29	59.22	62.46	61.17	
G55	60.86	56.8	55.43	53.01	53.32	56.02	59.1	62.3	60.86	
G56	60.94	56.76	55.2	52.85	53.16	56.05	58.91	62.27	60.94	
G57	60.59	56.37	55.12	52.54	53.01	55.86	58.91	61.95	60.59	
G58	60.35	56.29	54.92	52.42	52.7	55.7	58.75	61.84	60.35	
G59	60.27	55.94	55.0	52.23	52.34	55.39	58.48	61.6	60.27	
G60	59.96	55.7	54.61	52.07	52.42	55.35	58.36	61.72	59.96	
G61	59.65	55.51	54.61	51.76	52.15	54.96	58.36	61.33	59.65	
G62	59.61	55.27	54.18	51.68	51.88	54.84	58.01	61.17	59.61	
G63	59.45	54.96	53.91	51.56	51.56	54.57	57.93	61.13	59.45	
G64	59.1	54.92	53.67	51.25	51.41	54.61	57.85	60.9	59.1	
G65	59.02	54.61	53.24	51.05	51.29	54.14	57.7	60.59	59.02	
G66	58.71	54.3	52.85	51.05	51.17	54.06	57.54	60.66	58.71	
G67	58.48	54.18	52.5	50.7	50.82	53.87	57.46	60.27	58.48	
G68	58.4	53.91	51.99	50.59	50.63	53.75	57.23	60.16	58.4	
G69	58.09	53.52	51.48	50.27	50.43	53.55	56.95	59.84	58.09	
G70	57.93	53.28	50.9	49.92	50.2	53.36	56.76	59.61	57.93	
G71	57.54	52.85	50.27	49.65	50.0	53.01	56.6	59.45	57.54	
G72	57.42	52.46	49.57	49.38	49.77	53.05	56.21	59.34	57.42	
G73	57.03	52.3	48.95	49.06	49.65	52.73	56.05	58.95	57.03	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 15:14:22

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

Remarks:

