

Report No.:

Test Time: 2025/11/14 16:54:28

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: 0
 Luminaire Type: 63043LEDDCS-CH/CLOP
 Lamp Type:
 Luminous Width: 0 mm
 Luminous Length: 0 mm
 Luminous Height: 0 mm

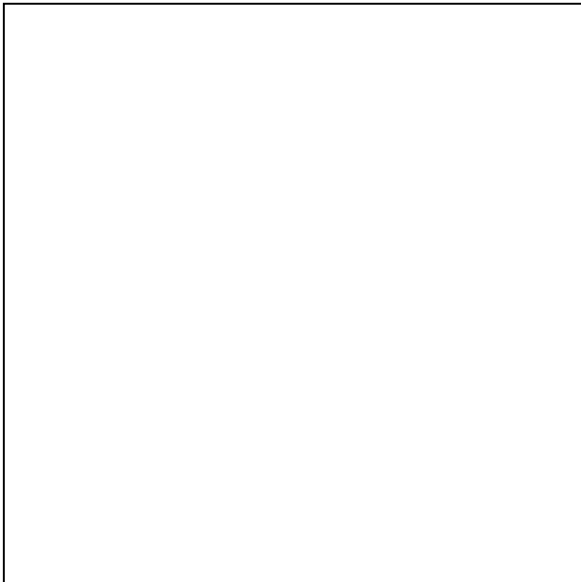
Voltage(V): 119.00 V
 Current(A): 0.1470 A
 Power(W): 17.19 W
 Power Factor: 0.9810
 Lamp Luminous Flux: 1270.33

Photometric Results

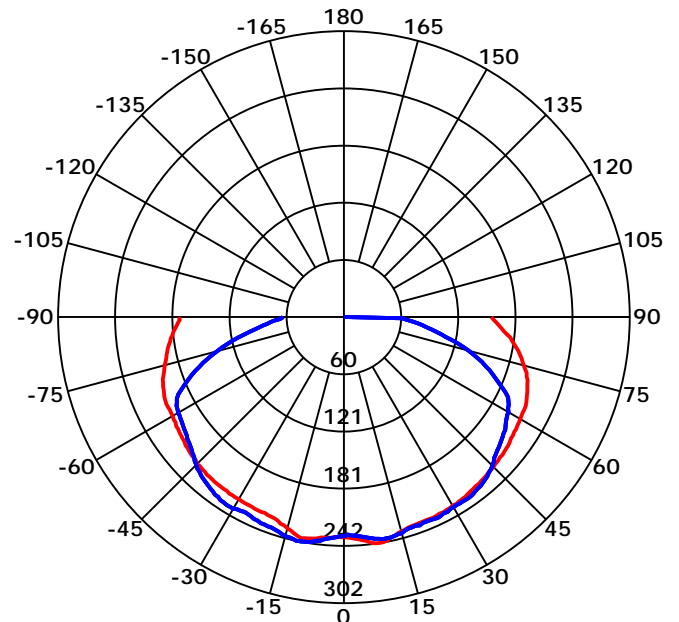
CIE Class: Direct
 Luminaire Luminous Flux: 1270.331 lm
 Downward Ratio: 100.00%
 Luminaire Efficacy Rating(LER): 73.90 lm/W
 Beam Angle(50%) C0-180,C90-270: 0.0,155.3
 Field Angle(10%) C0-180,C90-270: 0.0,77.6
 S/MH C0-180,C90-270: 1.453,1.507

Max. Intensity: 241.88 cd
 Max.Intensity Angle: C=0 Gamma=9
 Upward Ratio: 0.00%
 Efficacy: 100.00%
 Center Intensity: 232.85 cd
 Effective Luminous Flux: 1270.33 lm
 ERP(φ use)(120deg): 702.56 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 0.0 deg,155.3 deg

Average Beam Angle: 77.6 deg

C0-180 ——— C90-270 ———

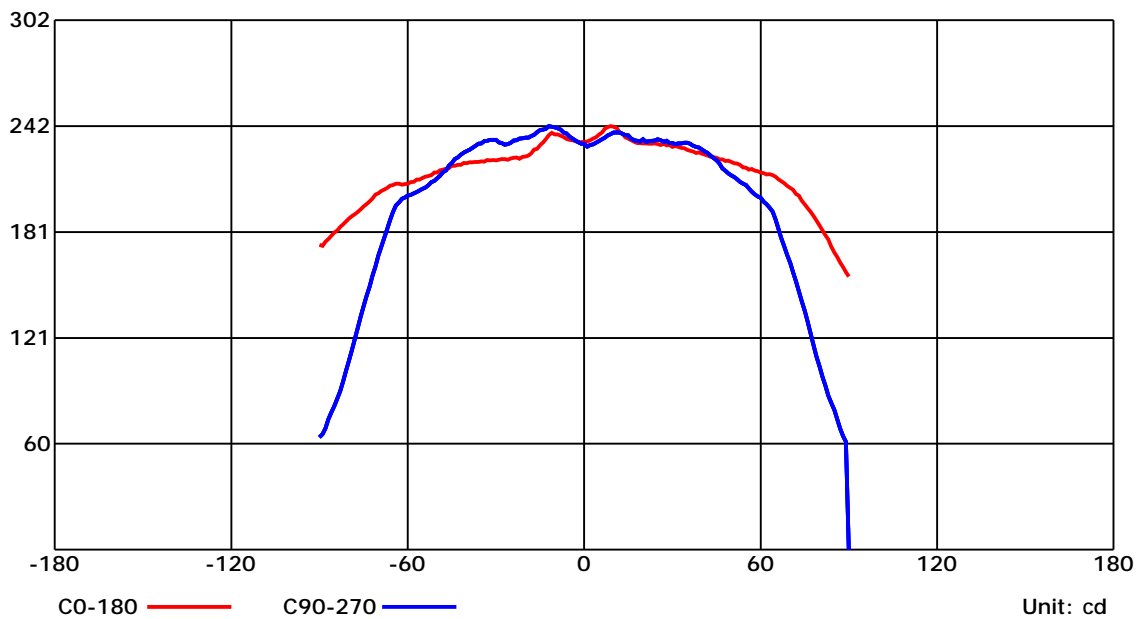
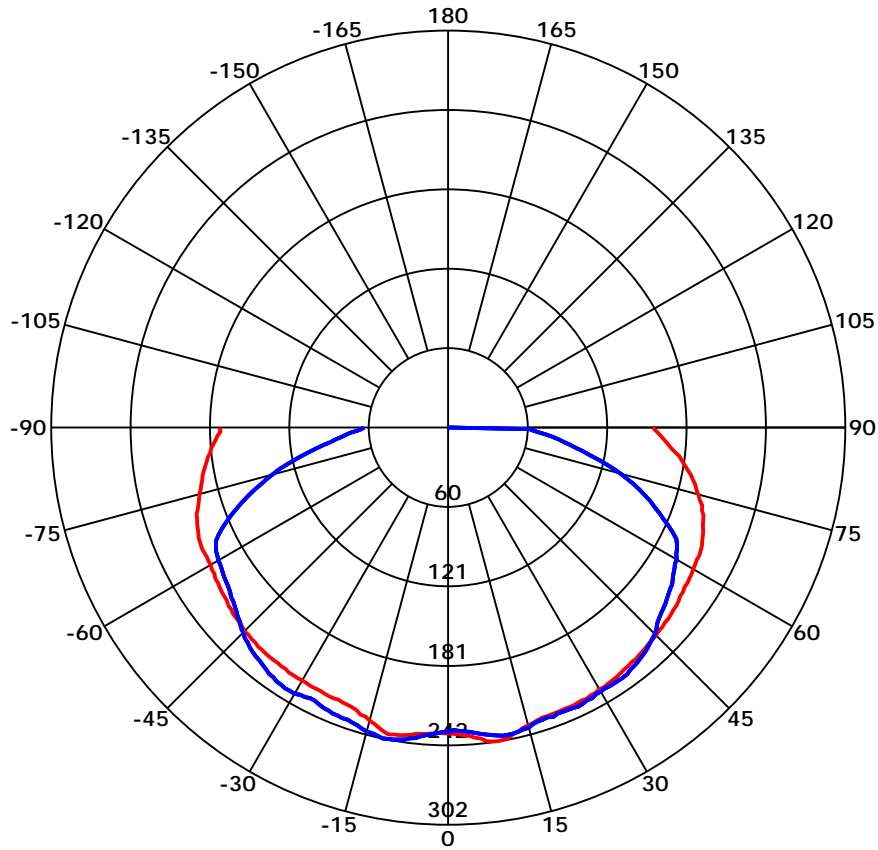
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/14 16:54:28

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: 2025/11/14 16:54:28

Luminous Intensity Distribution Curve



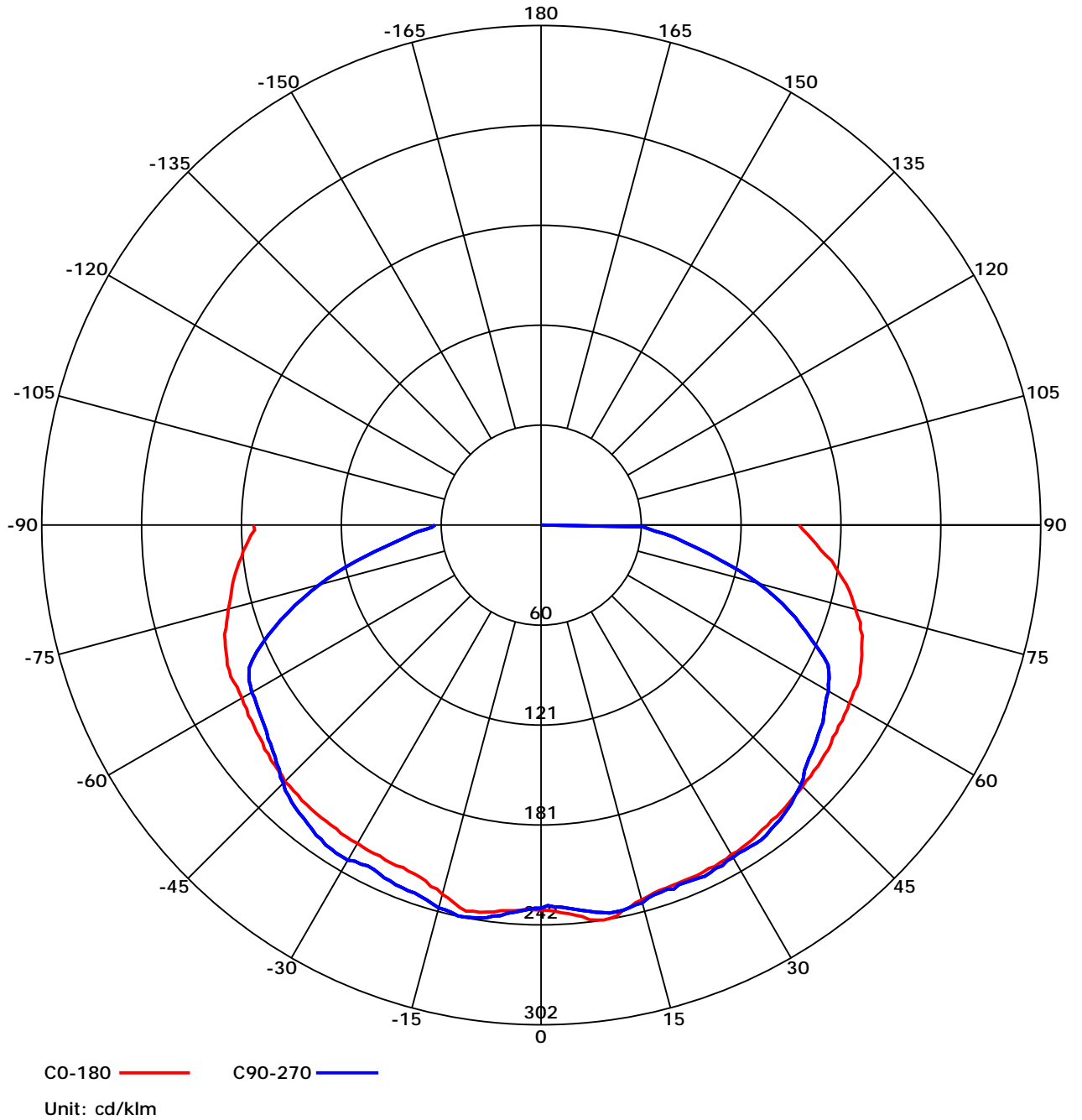
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 Remarks:

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Test Time: 2025/11/14 16:54:28

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 16:54:28

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

Remarks:

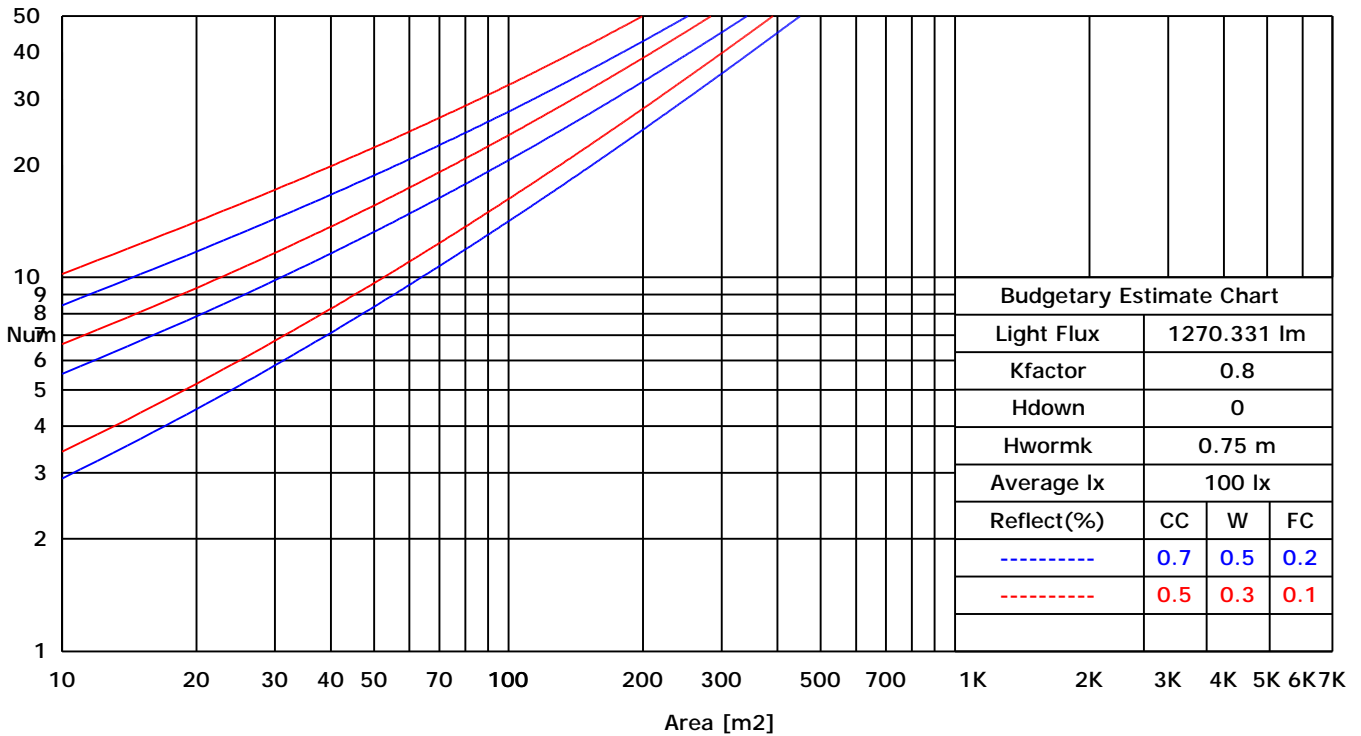
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UTILIZATION FACTORS TABLE

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	1.03	1.03	1.03	1.01	1.01	1.01	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.87
1	0.88	0.87	0.85	0.87	0.85	0.84	0.84	0.82	0.80	0.80	0.78	0.76	0.75	0.73	0.71	0.66
2	0.70	0.67	0.65	0.70	0.66	0.64	0.68	0.64	0.61	0.66	0.62	0.58	0.63	0.58	0.55	0.50
3	0.57	0.54	0.51	0.57	0.53	0.51	0.57	0.52	0.49	0.56	0.51	0.46	0.54	0.48	0.44	0.40
4	0.47	0.44	0.42	0.48	0.44	0.41	0.48	0.43	0.40	0.48	0.42	0.38	0.47	0.41	0.36	0.32
5	0.40	0.37	0.35	0.41	0.37	0.34	0.42	0.37	0.33	0.42	0.36	0.32	0.42	0.35	0.30	0.27
6	0.34	0.32	0.30	0.35	0.32	0.29	0.37	0.32	0.28	0.38	0.32	0.27	0.38	0.31	0.26	0.23
7	0.30	0.27	0.26	0.31	0.28	0.25	0.33	0.28	0.25	0.34	0.28	0.24	0.34	0.28	0.23	0.20
8	0.26	0.24	0.23	0.28	0.24	0.22	0.29	0.25	0.22	0.31	0.25	0.21	0.31	0.25	0.20	0.17
9	0.24	0.21	0.20	0.25	0.22	0.20	0.27	0.22	0.19	0.28	0.22	0.18	0.29	0.22	0.18	0.15
10	0.21	0.19	0.18	0.22	0.19	0.18	0.24	0.20	0.17	0.26	0.20	0.17	0.27	0.21	0.16	0.14

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



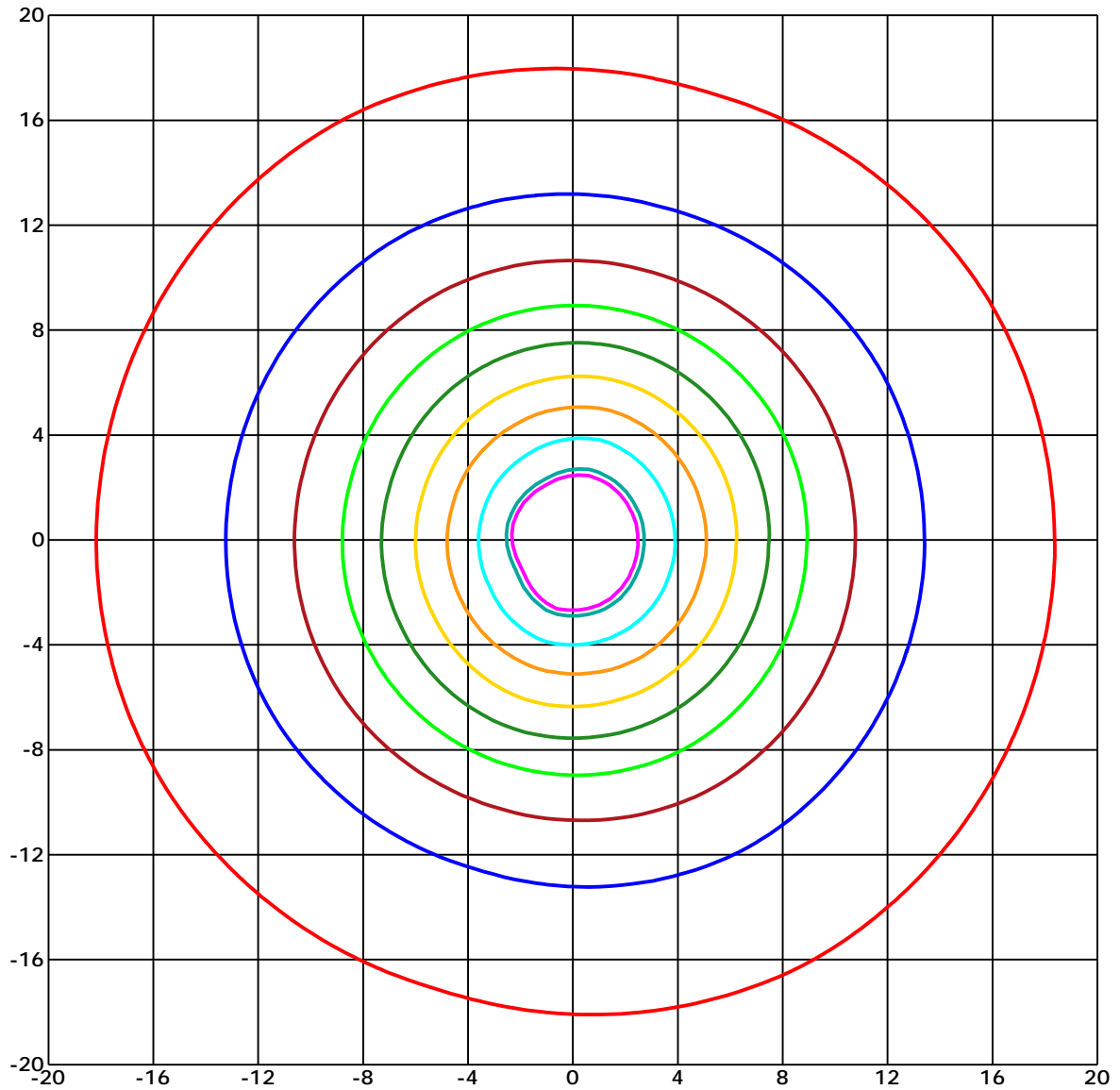
C Range: 0 - 360 Deg
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 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/14 16:54:28

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)

— 2.164(92%Emax)	— 1.176(50%Emax)
— 2.117(90%Emax)	— 0.941(40%Emax)
— 1.881(80%Emax)	— 0.706(30%Emax)
— 1.646(70%Emax)	— 0.47(20%Emax)
— 1.411(60%Emax)	— 0.235(10%Emax)

C Range: 0 - 360 Deg
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 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/14 16:54:28

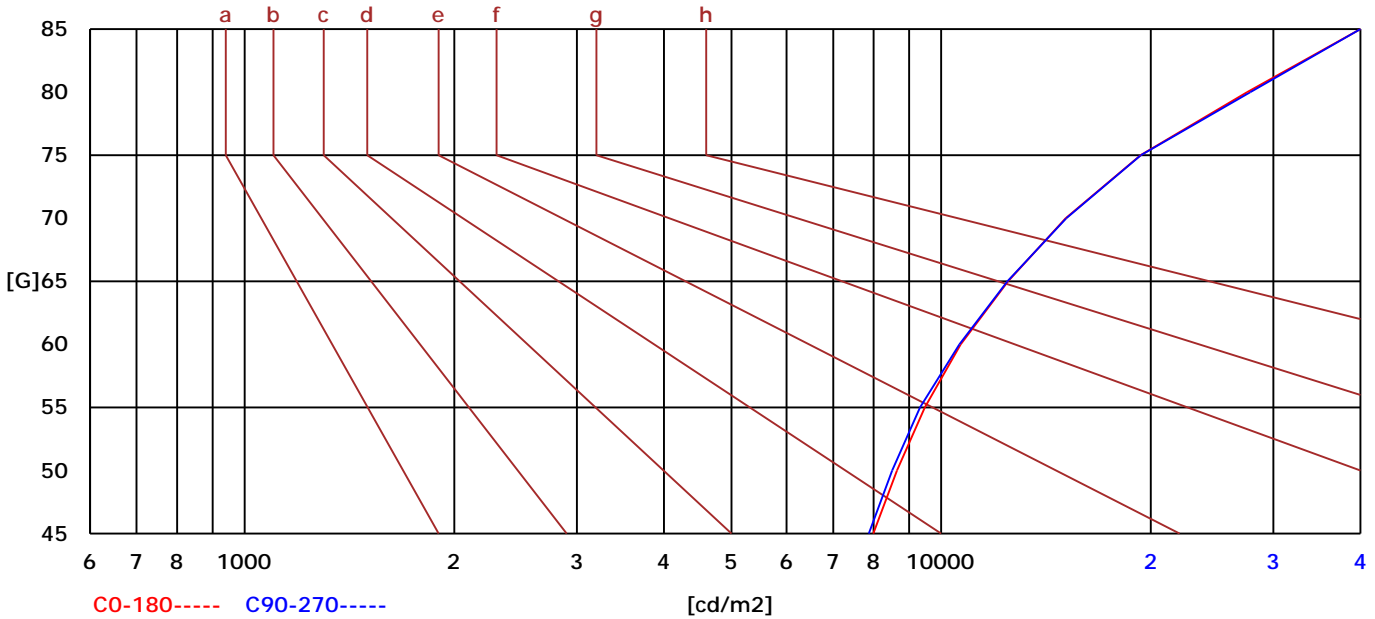
G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 65
 Test Distance: 6.25 m
 Remarks:

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BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	7991	8640	9480	10664	12471	15093	19341	27484	50511
C90	7873	8506	9327	10619	12455	15130	19356	27782	52338
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



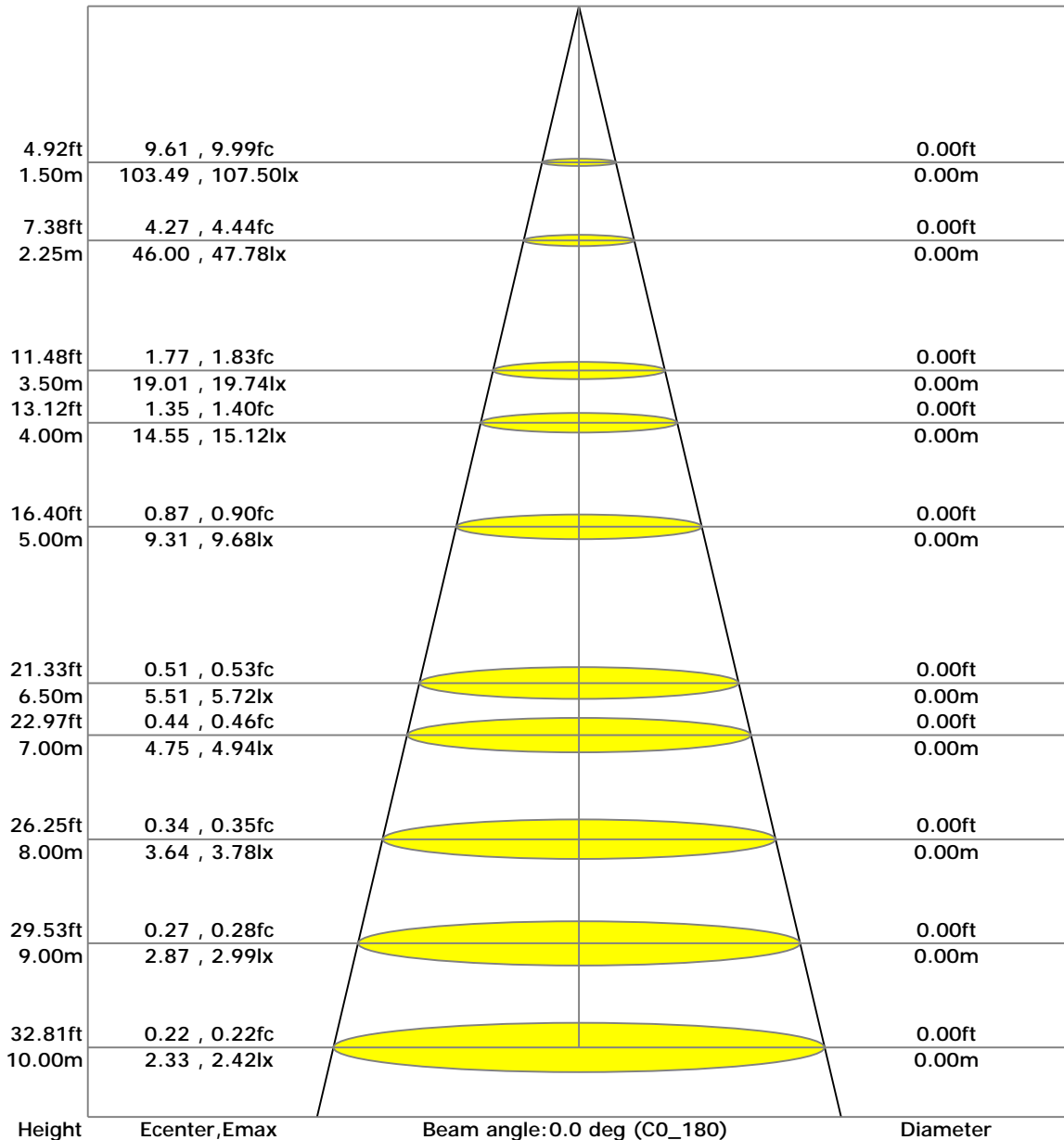
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/14 16:54:28

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: 2025/11/14 16:54:28

LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 16:54:28

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

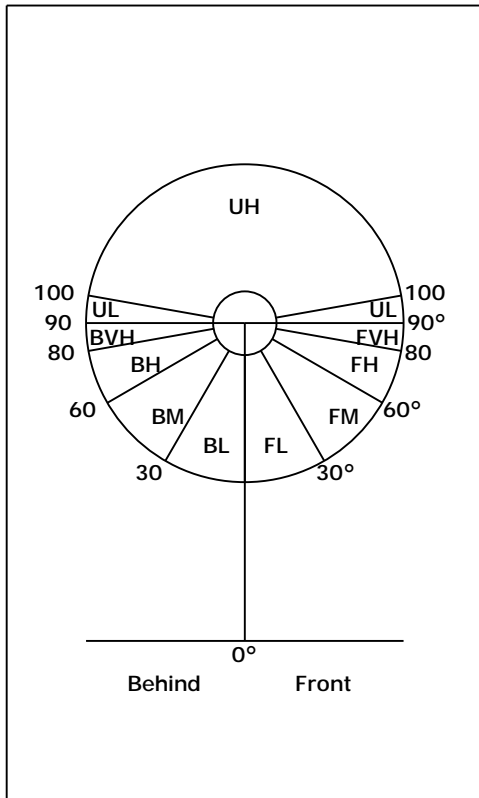
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2025/11/14 16:54:28

BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	632.7	49.8
FL (0°-30°)	97.4	7.7
FM (30°-60°)	253.8	20.0
FH (60°-80°)	198.0	15.6
FVH (80°-90°)	83.5	6.6

Behind	637.6	50.2
BL (0°-30°)	97.7	7.7
BM (30°-60°)	253.6	20.0
BH (60°-80°)	199.8	15.7
BVH (80°-90°)	86.5	6.8

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)	B1 U0 G1
Symmetrical Lighting Fixtures (Type V , Area Light)	B1 U0 G1

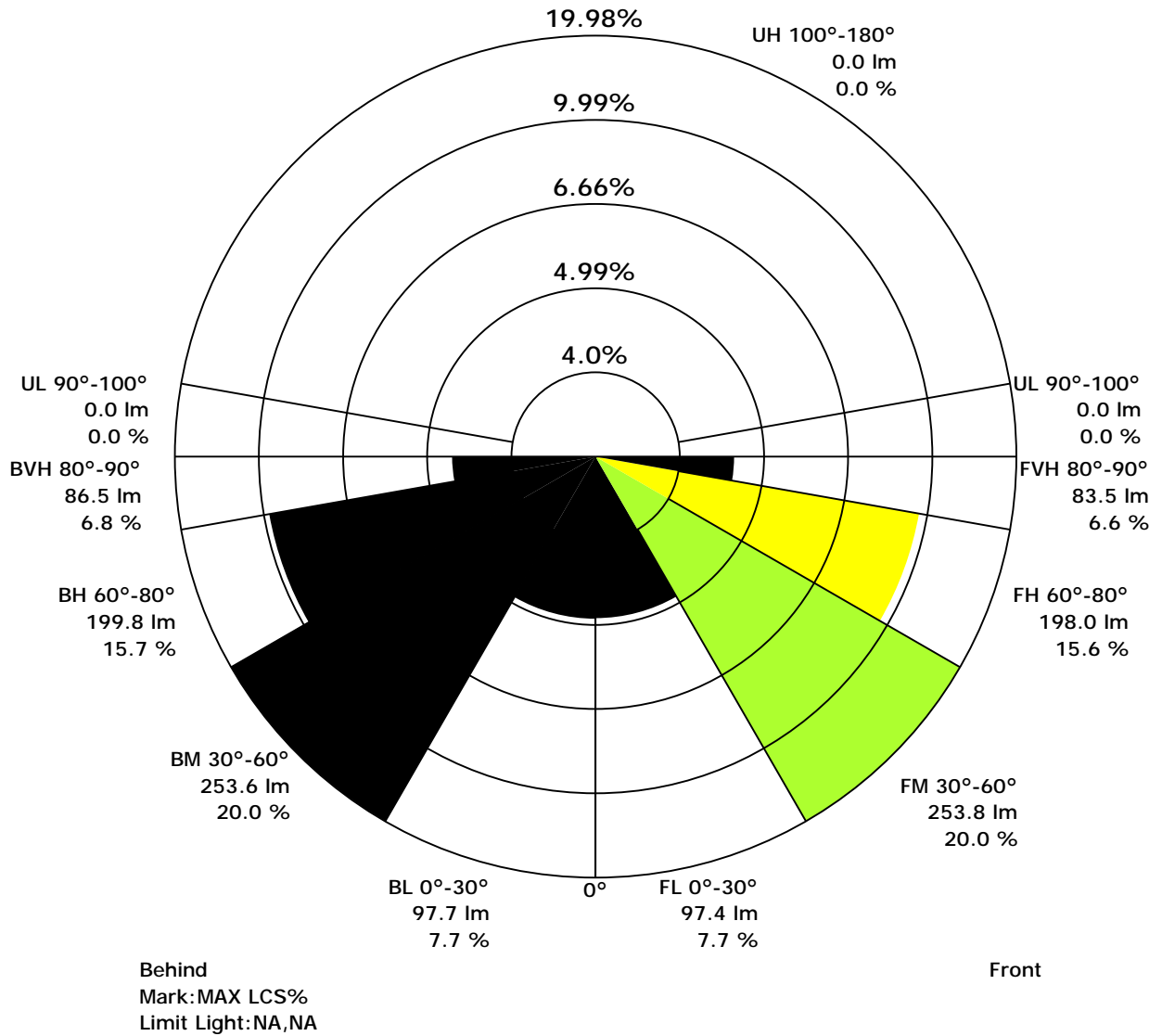
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/14 16:54:28

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: 2025/11/14 16:54:28

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	23.15	24.16	22.71	24.02	23.97	22.94	23.95	22.50	23.81	23.76
	3H	23.05	23.99	22.70	23.91	23.93	22.96	23.90	22.61	23.82	23.84
	4H	22.91	23.80	22.62	23.76	23.83	22.90	23.79	22.61	23.76	23.82
	6H	22.69	23.53	22.45	23.53	23.64	22.75	23.59	22.52	23.60	23.71
	8H	22.55	23.36	22.35	23.39	23.52	22.61	23.42	22.41	23.45	23.59
	12H	22.41	23.19	22.24	23.24	23.40	22.47	23.25	22.30	23.30	23.46
4H	2H	27.72	28.61	27.43	28.57	28.64	26.53	27.42	26.24	27.38	27.45
	3H	27.80	28.59	27.64	28.64	28.80	26.72	27.50	26.55	27.56	27.72
	4H	27.73	28.44	27.63	28.55	28.77	26.77	27.49	26.68	27.59	27.81
	6H	27.55	28.19	27.53	28.34	28.63	26.76	27.40	26.75	27.56	27.85
	8H	27.42	28.02	27.45	28.20	28.52	26.72	27.32	26.75	27.50	27.82
	12H	27.27	27.81	27.34	28.03	28.39	26.61	27.16	26.69	27.38	27.74
8H	4H	30.16	30.97	29.96	31.00	31.13	28.01	28.82	27.81	28.85	28.99
	6H	30.72	31.21	30.84	31.46	31.86	28.76	29.26	28.89	29.51	29.90
	8H	30.68	31.11	30.85	31.39	31.83	28.88	29.32	29.06	29.60	30.04
	12H	30.58	30.95	30.80	31.27	31.74	28.98	29.35	29.21	29.67	30.15
12H	4H	31.77	32.31	31.84	32.53	32.89	29.15	29.70	29.23	29.91	30.27
	6H	32.00	32.44	32.18	32.72	33.16	29.49	29.93	29.67	30.21	30.64

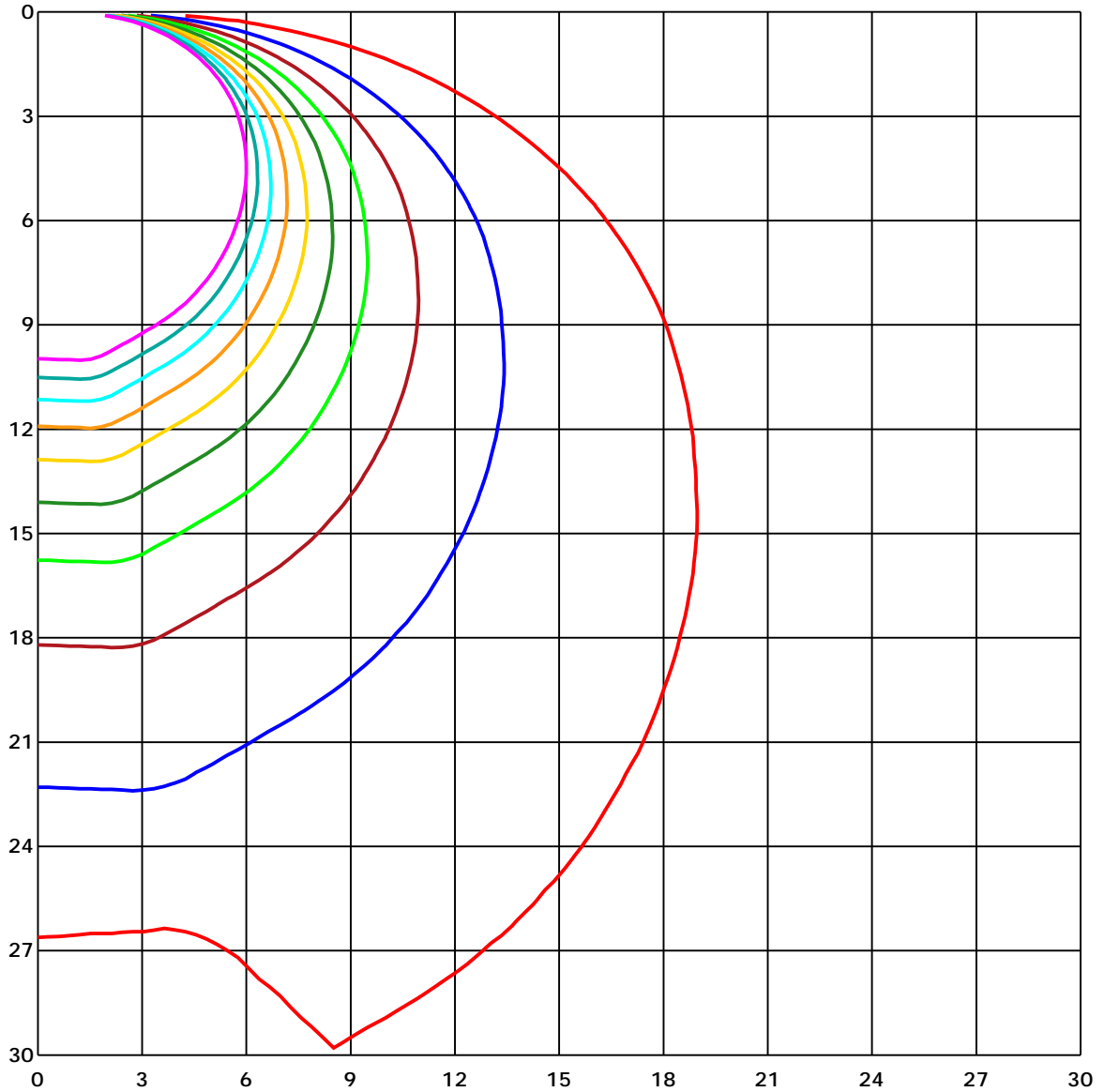
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G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 65
 Test Distance: 6.25 m
 Remarks:

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SPACE ISOLX DIAGRAM



Unit of illumination: lx

- | | |
|---------|---------|
| — 2.343 | — 1.171 |
| — 2.108 | — 0.937 |
| — 1.874 | — 0.703 |
| — 1.64 | — 0.469 |
| — 1.406 | — 0.234 |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 16:54:28

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: 2025/11/14 16:54:28

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	232.85	229.02	231.76	231.64	232.85	229.02	231.76	231.64	232.85	
G1	233.13	228.91	230.2	231.48	232.81	229.92	231.8	231.52	233.13	
G2	233.79	228.71	231.13	232.34	232.5	231.52	232.73	232.62	233.79	
G3	234.8	229.18	231.52	232.97	233.28	231.99	233.75	233.2	234.8	
G4	235.55	229.96	232.34	233.71	233.83	232.34	234.8	234.22	235.55	
G5	236.91	231.02	233.28	234.96	234.1	233.87	235.78	235.51	236.91	
G6	238.16	232.11	234.45	235.86	234.49	234.73	237.62	237.15	238.16	
G7	240.51	233.48	235.35	236.64	235.74	235.27	238.28	237.93	240.51	
G8	241.37	234.53	236.56	237.77	236.45	235.12	239.92	238.91	241.37	
G9	241.88	235.27	237.27	237.34	237.11	235.39	240.63	239.22	241.88	
G10	241.45	234.73	238.32	237.07	237.19	234.14	241.13	241.25	241.45	
G11	240.7	236.37	238.2	236.56	237.97	233.36	241.52	241.52	240.7	
G12	238.28	236.72	238.24	234.84	236.68	232.42	241.8	240.94	238.28	
G13	237.54	236.76	237.5	233.67	234.57	230.82	240.51	240.94	237.54	
G14	235.55	235.59	236.68	231.52	232.58	229.96	239.92	239.8	235.55	
G15	234.8	234.8	236.56	230.51	231.17	228.59	239.73	238.79	234.8	
G16	233.91	234.3	234.73	228.75	228.98	227.77	238.48	238.4	233.91	
G17	232.85	233.4	233.91	228.2	228.55	226.72	237.03	236.95	232.85	
G18	232.19	233.01	233.55	227.58	226.29	225.86	236.17	236.37	232.19	
G19	232.27	231.8	233.16	227.15	225.16	225.59	235.31	235.47	232.27	
G20	231.95	231.56	234.38	226.52	224.49	225.74	235.39	234.69	231.95	
G21	231.99	231.05	233.01	227.15	224.3	225.82	234.92	233.95	231.99	
G22	231.8	230.63	233.24	227.46	223.28	225.35	234.8	233.91	231.8	
G23	231.8	230.78	233.48	226.88	223.91	224.92	233.87	233.95	231.8	
G24	231.99	230.55	233.75	226.88	223.71	224.49	233.67	234.26	231.99	
G25	231.72	231.02	234.41	226.56	223.44	224.84	232.42	233.75	231.72	
G26	231.17	230.55	233.87	226.6	222.7	224.84	231.64	234.3	231.17	
G27	231.76	231.56	232.89	226.56	222.97	224.69	231.25	233.67	231.76	
G28	230.98	231.68	233.4	227.23	223.01	224.1	232.27	234.53	230.98	
G29	231.02	231.29	232.19	226.52	222.62	224.41	232.58	234.02	231.02	
G30	230.08	230.94	232.15	226.45	222.3	224.02	234.1	234.1	230.08	
G31	230.47	231.52	231.6	226.37	222.58	224.34	234.02	233.71	230.47	
G32	229.92	231.25	232.03	226.52	222.34	224.3	234.1	233.52	229.92	
G33	229.53	231.05	232.07	226.25	222.54	224.02	233.52	232.89	229.53	
G34	229.26	230.23	232.3	226.8	221.6	223.32	233.32	232.5	229.26	
G35	228.4	230.82	232.3	226.45	221.76	223.95	232.07	232.03	228.4	
G36	227.73	229.8	231.84	226.29	221.37	223.87	231.91	231.64	227.73	

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: 6.25 m

Remarks:

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LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

GammaC	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	227.5	229.92	230.74	226.52	221.41	223.48	230.47	230.98	227.5	
G38	226.56	229.26	230.08	226.64	221.29	223.48	229.49	230.9	226.56	
G39	226.84	228.79	229.57	226.25	221.17	223.09	228.32	230.7	226.84	
G40	226.17	228.52	228.48	225.9	220.7	222.7	227.7	230.35	226.17	
G41	225.7	227.7	227.5	225.66	220.78	222.93	226.64	229.57	225.7	
G42	225.08	227.38	226.48	224.96	219.84	222.11	225.63	229.53	225.08	
G43	224.41	227.34	224.8	223.83	219.8	221.37	223.98	229.1	224.41	
G44	224.14	226.56	223.55	223.09	219.18	220.59	223.01	228.95	224.14	
G45	223.71	226.02	222.38	222.7	219.45	220.39	220.78	227.62	223.71	
G46	222.89	225.43	220.47	222.58	218.01	219.22	219.41	227.27	222.89	
G47	222.89	224.14	217.73	220.98	217.66	218.52	216.68	226.56	222.89	
G48	222.03	223.48	216.33	220.86	217.07	217.81	215.51	226.29	222.03	
G49	222.07	222.66	214.84	219.77	216.72	217.03	213.48	225.47	222.07	
G50	221.37	222.15	213.83	218.71	215.47	216.56	212.15	225.0	221.37	
G51	220.74	221.68	212.73	217.85	215.43	216.45	210.66	224.18	220.74	
G52	220.51	220.0	211.48	216.88	213.95	215.86	209.88	223.16	220.51	
G53	219.73	219.14	210.16	215.9	213.36	214.69	208.05	222.27	219.73	
G54	218.28	218.44	209.02	215.7	213.05	213.71	206.88	222.11	218.28	
G55	218.2	217.5	208.16	213.98	212.19	212.81	206.05	220.47	218.2	
G56	217.11	216.29	206.21	213.87	211.45	212.07	205.2	220.04	217.11	
G57	217.34	216.05	204.45	214.06	211.37	211.76	204.3	219.06	217.34	
G58	216.48	215.23	202.97	213.13	210.04	210.47	203.44	218.91	216.48	
G59	216.13	213.95	201.6	212.93	209.92	210.16	202.5	217.62	216.13	
G60	215.31	213.28	200.9	212.38	209.02	210.04	202.27	217.93	215.31	
G61	215.04	213.44	198.67	211.99	208.87	209.92	201.09	216.95	215.04	
G62	214.3	212.42	197.34	212.11	208.48	209.57	200.35	216.64	214.3	
G63	214.49	211.91	195.47	211.33	208.91	209.41	198.44	215.9	214.49	
G64	213.95	211.64	193.09	211.29	209.06	209.18	196.6	215.9	213.95	
G65	213.01	210.82	188.75	210.55	208.28	207.89	192.89	215.63	213.01	
G66	211.6	210.94	183.32	210.31	207.93	207.3	188.36	215.16	211.6	
G67	210.51	210.12	177.89	208.67	206.64	206.52	183.24	214.34	210.51	
G68	209.3	209.06	173.28	208.28	205.66	205.7	178.24	213.48	209.3	
G69	207.77	207.54	168.13	207.77	204.84	205.08	172.73	212.77	207.77	
G70	206.6	206.48	163.91	206.99	203.55	204.22	167.77	212.07	206.6	
G71	205.59	205.43	158.32	205.51	202.7	203.09	161.64	210.74	205.59	
G72	203.13	203.75	153.28	204.8	200.55	202.42	156.52	209.69	203.13	
G73	202.19	202.85	147.62	203.09	198.98	201.56	150.35	209.26	202.19	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 16:54:28

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

Remarks:

