

Report No.:

Test Time: 2025/11/14 16:39:54

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: 0
 Luminaire Type: 62643LEDDCS-BS/OPL
 Lamp Type:
 Luminous Width: 0 mm
 Luminous Length: 0 mm
 Luminous Height: 0 mm

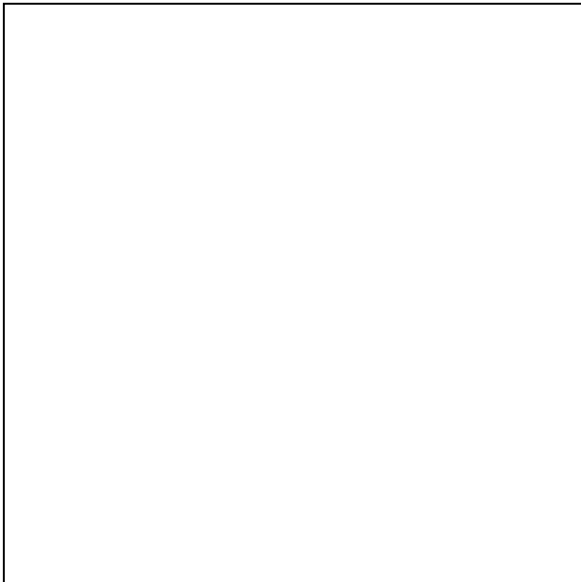
Voltage(V): 119.00 V
 Current(A): 0.1470 A
 Power(W): 17.17 W
 Power Factor: 0.9800
 Lamp Luminous Flux: 1162.41

Photometric Results

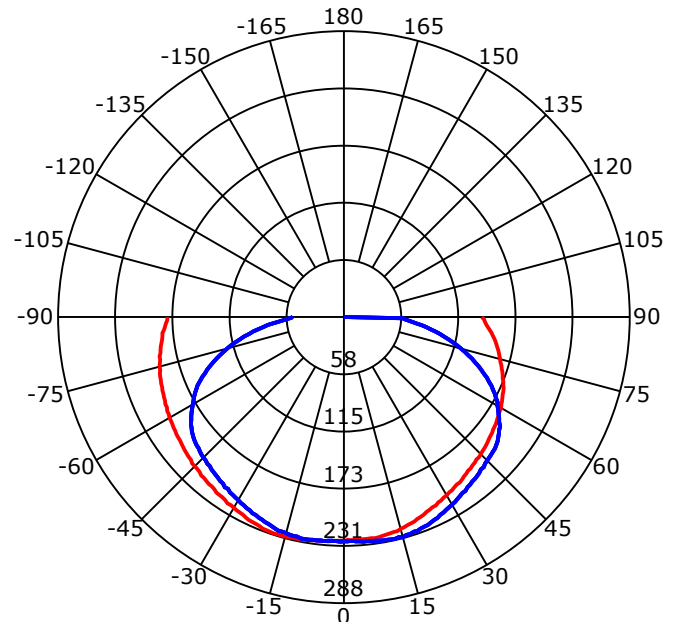
CIE Class: Direct
 Luminaire Luminous Flux: 1162.408 lm
 Downward Ratio: 100.00%
 Luminaire Efficacy Rating(LER): 67.70 lm/W
 Beam Angle(50%) C0-180,C90-270: 0.0,153.0
 Field Angle(10%) C0-180,C90-270: 0.0,74.6
 S/MH C0-180,C90-270: 1.400,1.400

Max. Intensity: 230.59 cd
 Max.Intensity Angle: C=135 Gamma=11
 Upward Ratio: 0.00%
 Efficacy: 100.00%
 Center Intensity: 225.59 cd
 Effective Luminous Flux: 1162.41 lm
 ERP(φ use)(120deg): 653.70 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 0.0 deg,153.0 deg

Average Beam Angle:76.5 deg

C0-180 ——— C90-270 ———

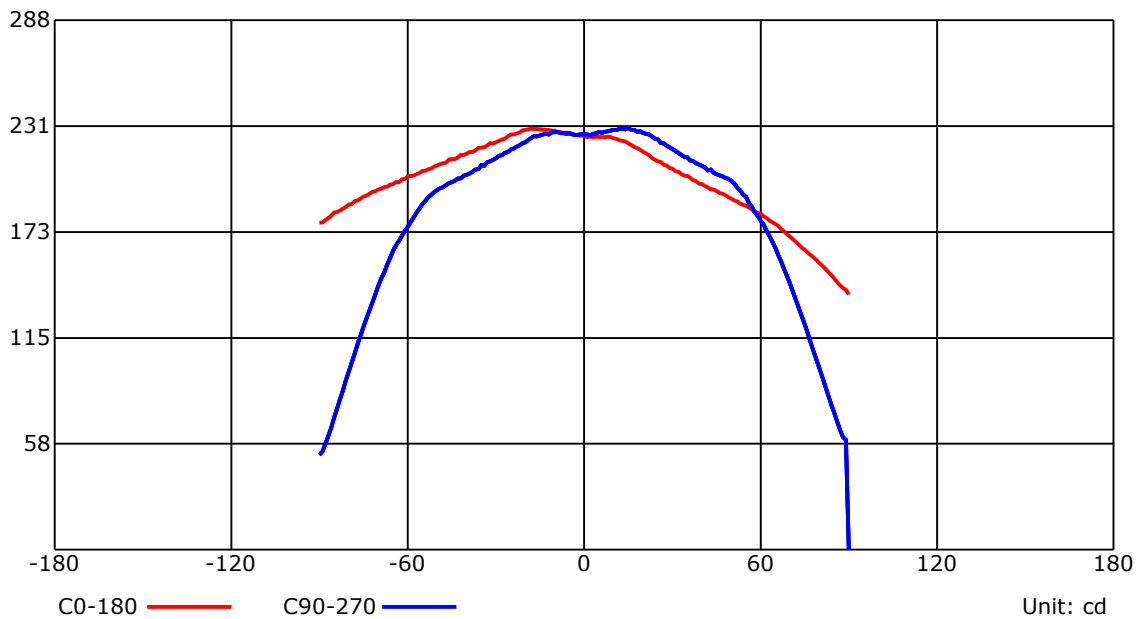
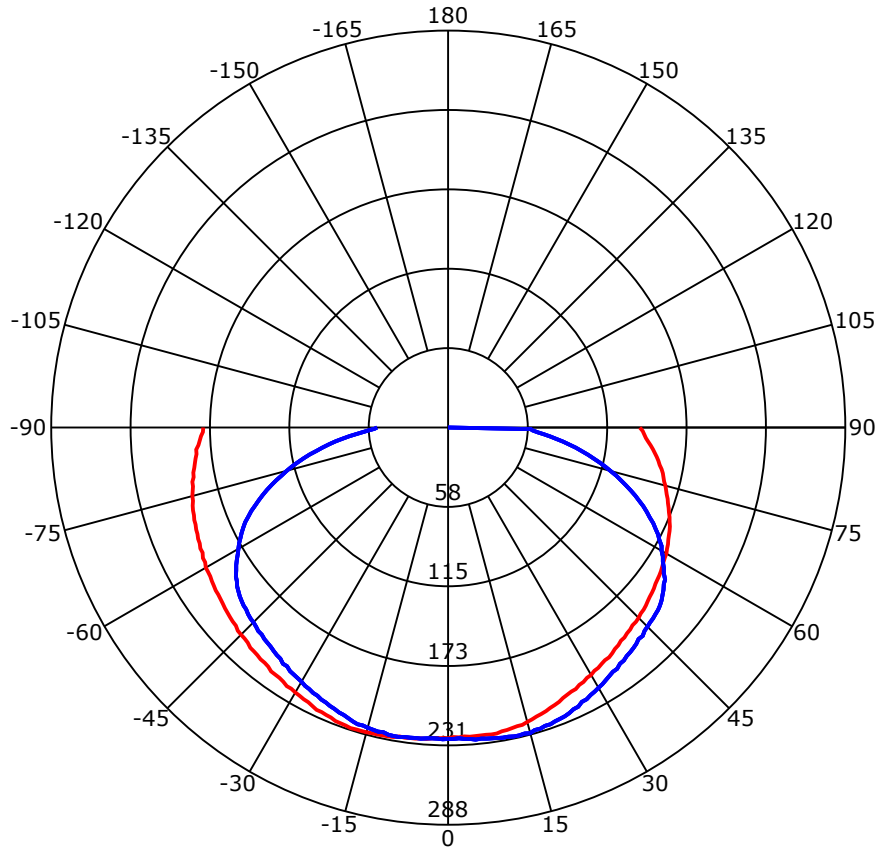
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/14 16:39:54

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 16:39:54

Luminous Intensity Distribution Curve



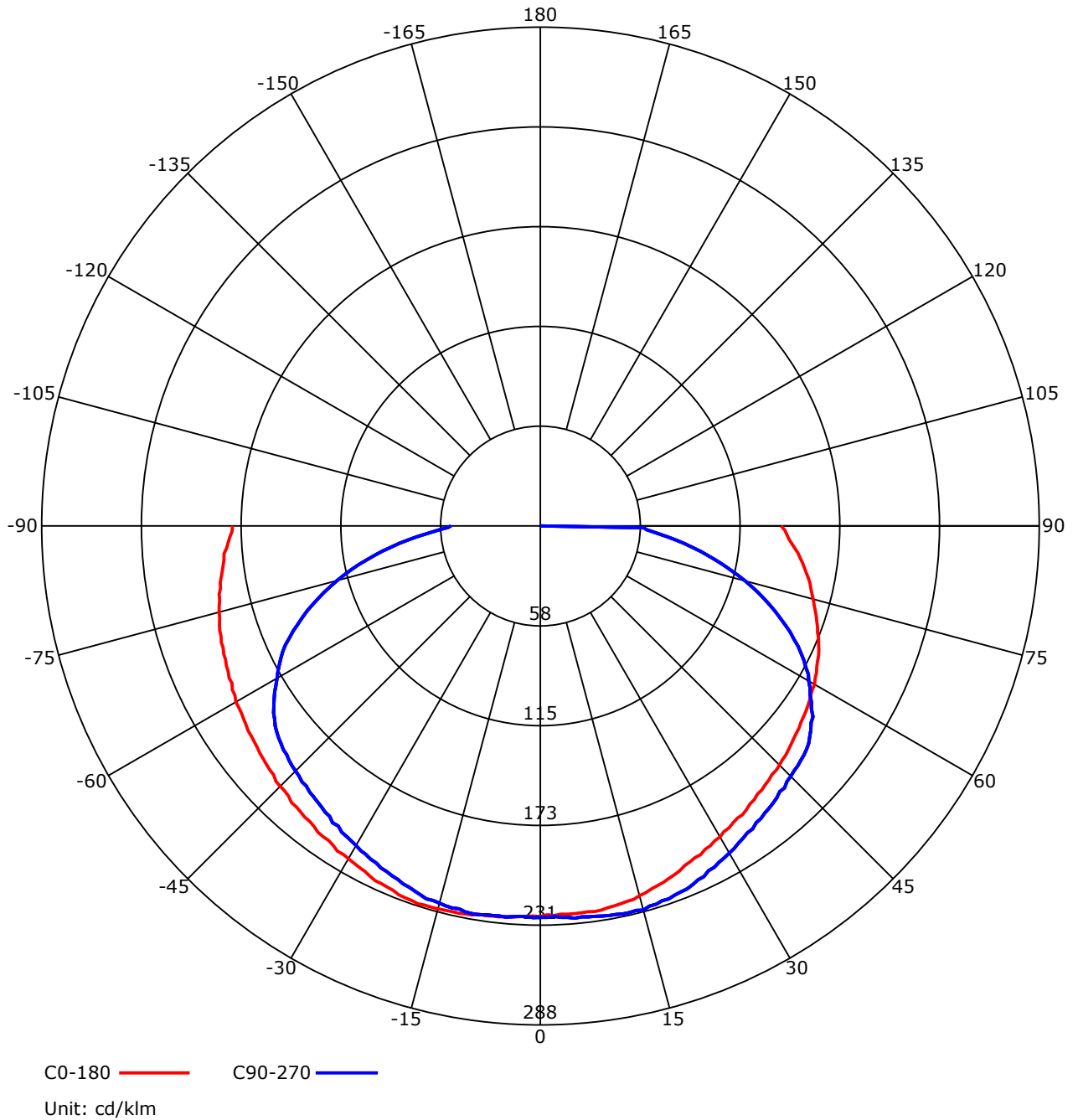
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Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg
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G Range: 0 - 90 Deg
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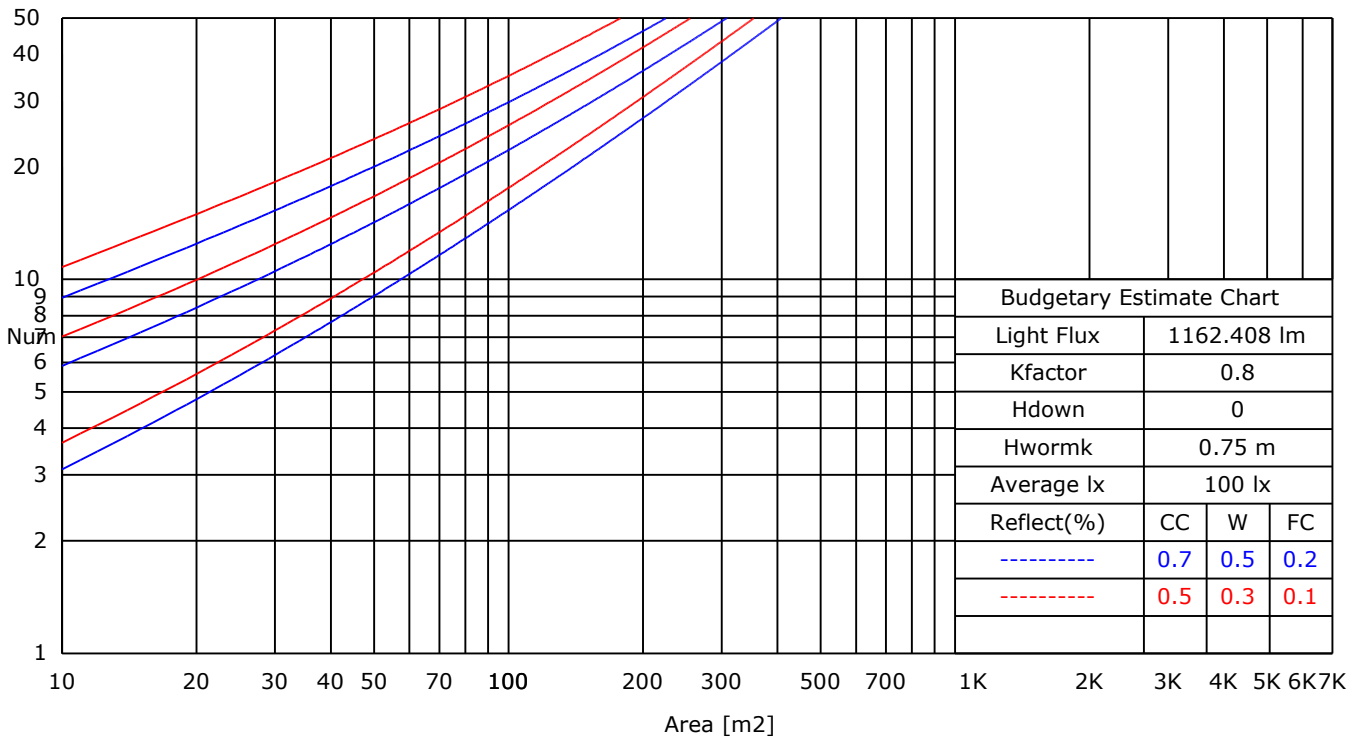
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UTILIZATION FACTORS TABLE

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	0.89	0.87	0.86	0.88	0.86	0.84	0.85	0.83	0.81	0.81	0.78	0.76	0.75	0.73	0.71	0.66
2	0.70	0.68	0.66	0.70	0.67	0.64	0.69	0.65	0.62	0.66	0.62	0.59	0.63	0.59	0.55	0.51
3	0.57	0.54	0.52	0.58	0.54	0.51	0.57	0.53	0.49	0.56	0.51	0.47	0.54	0.49	0.44	0.40
4	0.48	0.45	0.43	0.48	0.45	0.42	0.49	0.44	0.40	0.49	0.43	0.39	0.47	0.42	0.37	0.33
5	0.41	0.38	0.36	0.42	0.38	0.35	0.43	0.38	0.34	0.43	0.37	0.33	0.42	0.36	0.31	0.28
6	0.35	0.32	0.31	0.36	0.32	0.30	0.37	0.33	0.29	0.38	0.32	0.28	0.38	0.32	0.27	0.24
7	0.31	0.28	0.26	0.32	0.28	0.26	0.33	0.29	0.25	0.34	0.29	0.24	0.35	0.28	0.23	0.20
8	0.27	0.25	0.23	0.28	0.25	0.23	0.30	0.25	0.22	0.31	0.25	0.21	0.32	0.25	0.21	0.18
9	0.24	0.22	0.21	0.25	0.22	0.20	0.27	0.23	0.20	0.28	0.23	0.19	0.29	0.23	0.18	0.16
10	0.22	0.20	0.18	0.23	0.20	0.18	0.25	0.21	0.18	0.26	0.21	0.17	0.27	0.21	0.16	0.14

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



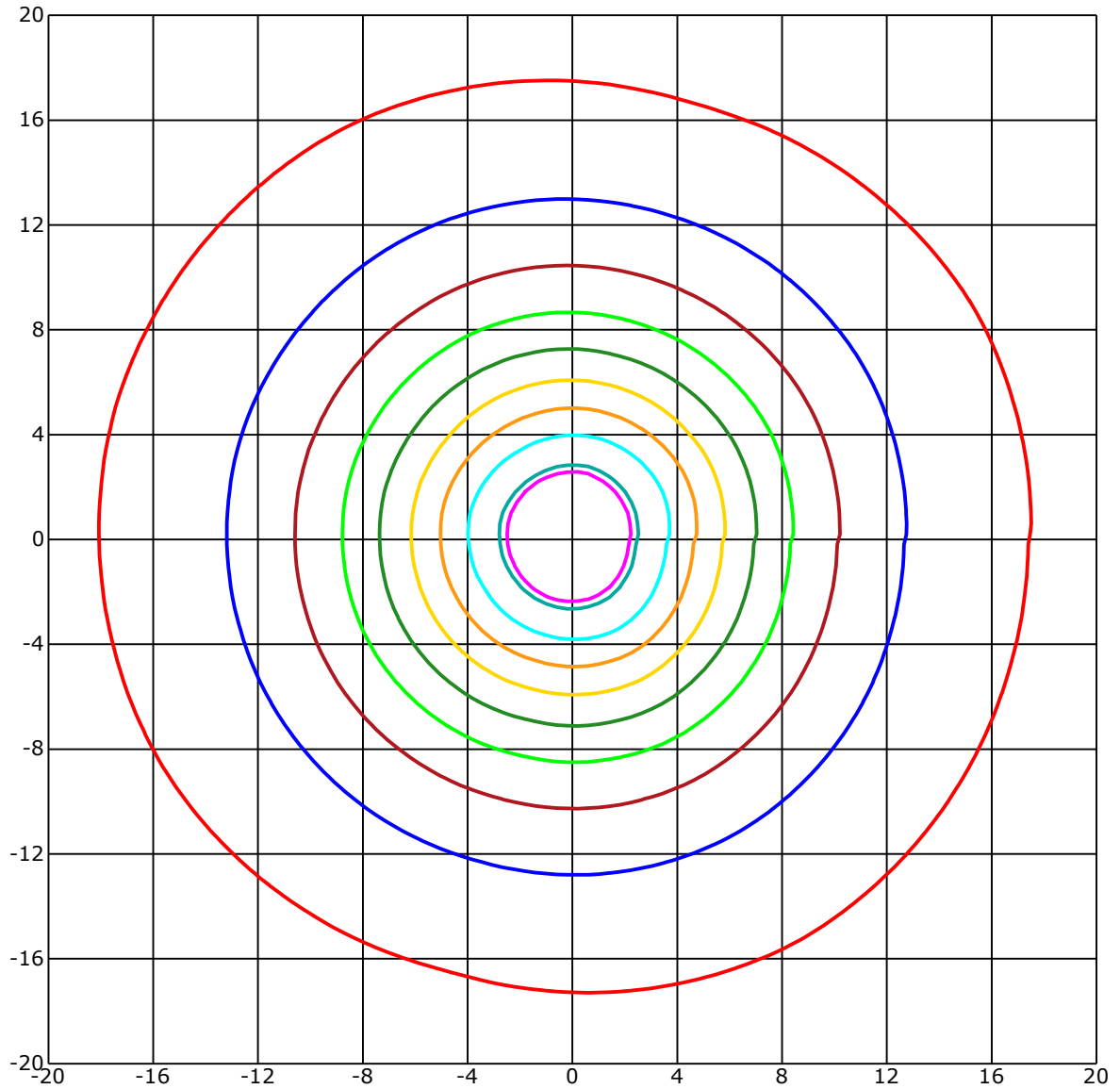
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/14 16:39:54

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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ISOLX DIAGRAM



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

- | | |
|------------------|------------------|
| — 2.087(92%Emax) | — 1.134(50%Emax) |
| — 2.041(90%Emax) | — 0.907(40%Emax) |
| — 1.815(80%Emax) | — 0.68(30%Emax) |
| — 1.588(70%Emax) | — 0.454(20%Emax) |
| — 1.361(60%Emax) | — 0.227(10%Emax) |

C Range: 0 - 360 Deg
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 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/14 16:39:54

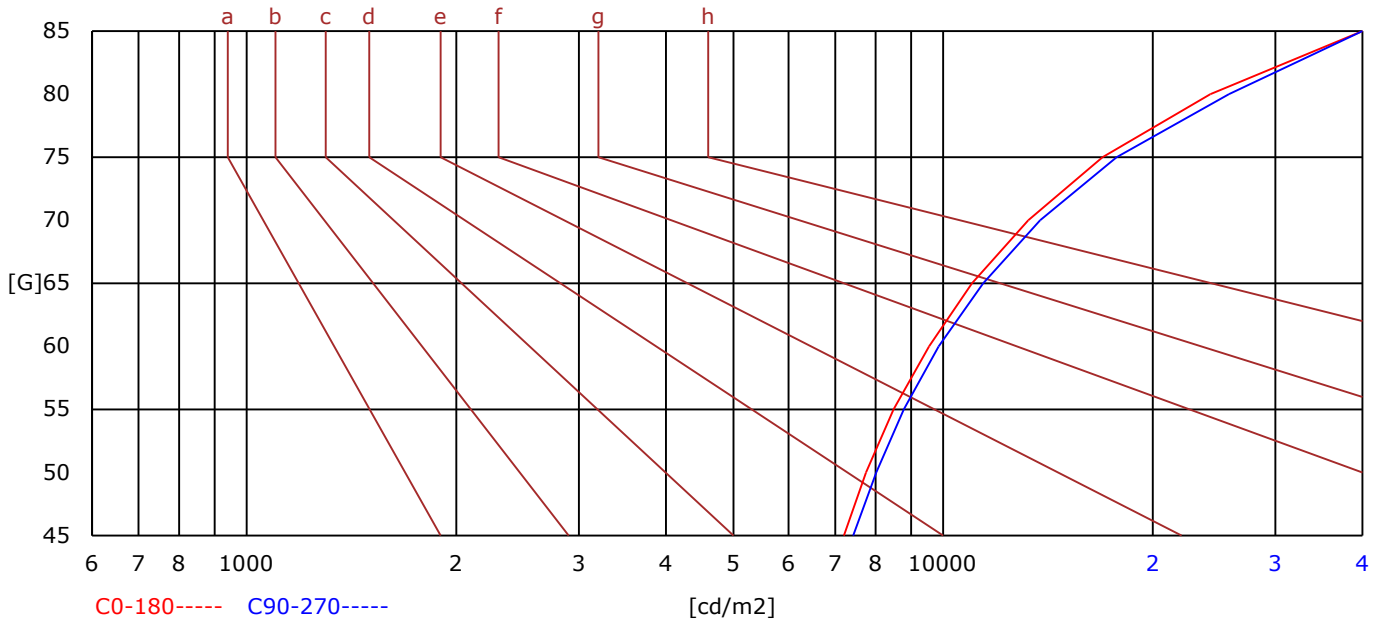
G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 65
 Test Distance: 6.25 m
 Remarks:

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BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	7202	7750	8489	9547	11001	13251	16945	24188	45245
C90	7429	8017	8785	9854	11420	13777	17753	25712	49536
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



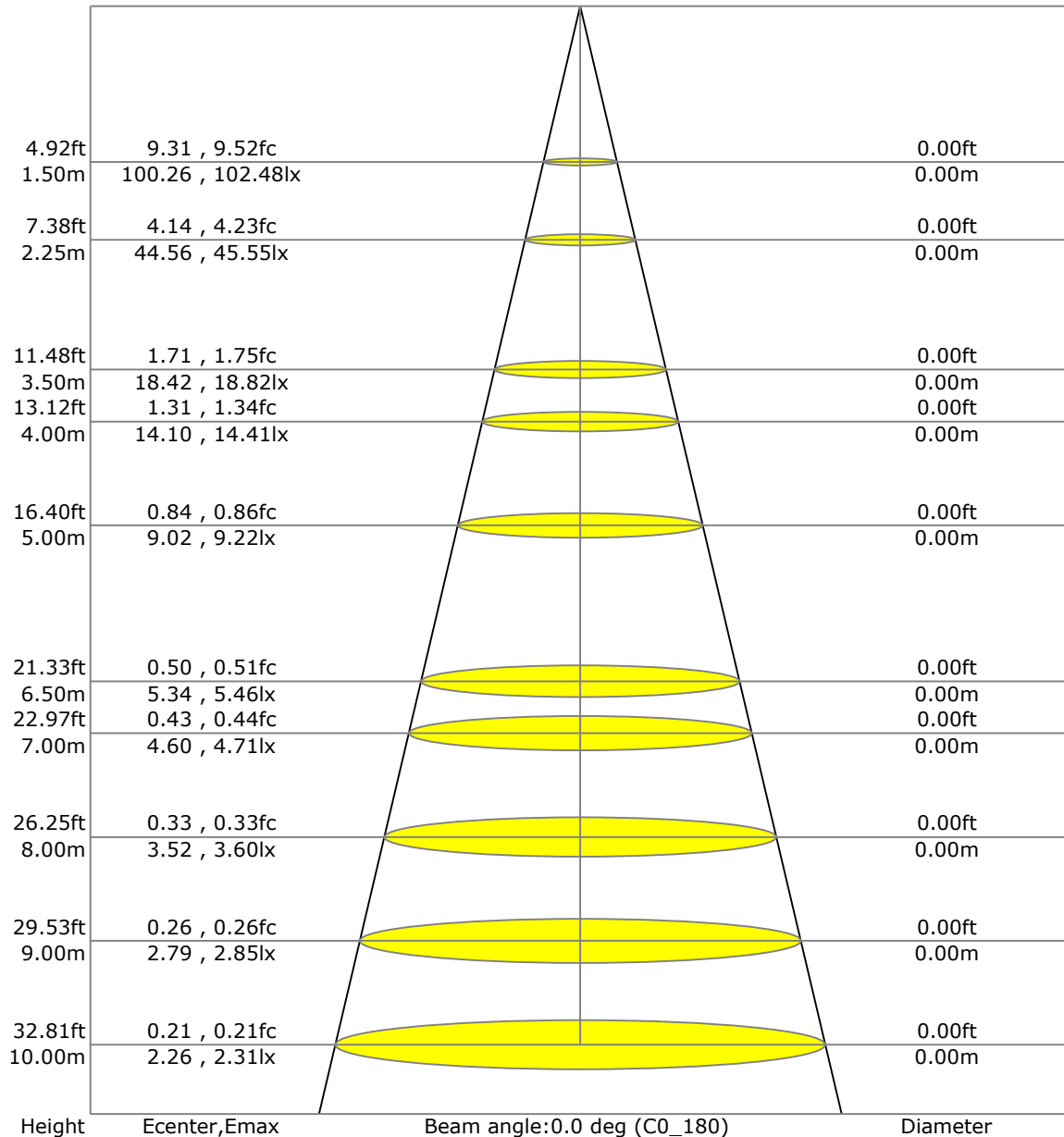
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/14 16:39:54

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 16:39:54

LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 16:39:54

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

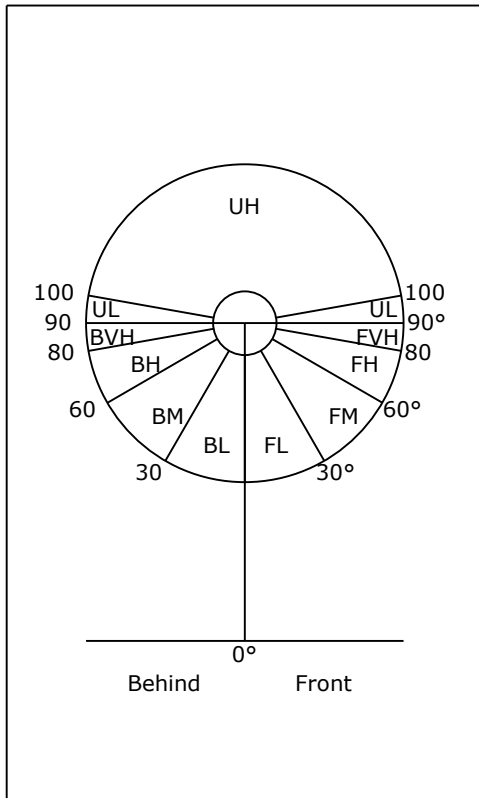
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2025/11/14 16:39:54

BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	583.6	50.2
FL (0°-30°)	94.1	8.1
FM (30°-60°)	234.3	20.2
FH (60°-80°)	177.6	15.3
FVH (80°-90°)	77.6	6.7

Behind	578.8	49.8
BL (0°-30°)	93.3	8.0
BM (30°-60°)	231.9	20.0
BH (60°-80°)	176.0	15.1
BVH (80°-90°)	77.5	6.7

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

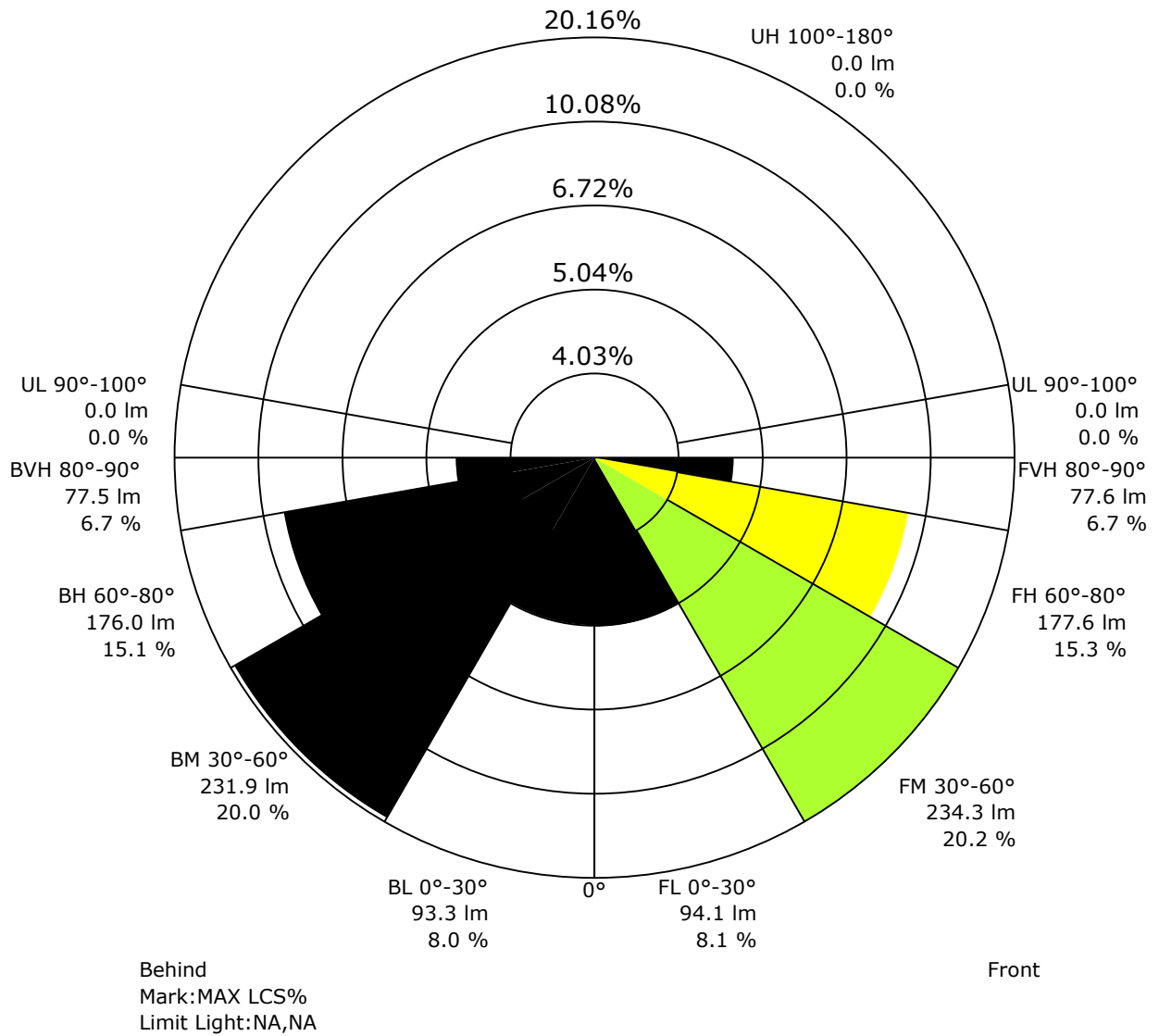
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/14 16:39:54

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 16:39:54

LCS 图



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 16:39:54

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 16:39:54

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	22.58	23.57	22.16	23.45	23.41	22.46	23.44	22.04	23.32	23.29
3H	22.48	23.40	22.15	23.34	23.37	22.46	23.37	22.13	23.31	23.35
4H	22.34	23.21	22.06	23.19	23.27	22.39	23.27	22.12	23.24	23.32
6H	22.13	22.95	21.91	22.97	23.09	22.24	23.06	22.02	23.08	23.20
8H	21.99	22.79	21.80	22.83	22.97	22.10	22.90	21.91	22.94	23.08
12H	21.85	22.62	21.70	22.68	22.85	21.96	22.73	21.80	22.79	22.96
4H 2H	27.01	27.88	26.73	27.86	27.94	26.00	26.87	25.72	26.85	26.93
3H	27.12	27.88	26.96	27.95	28.12	26.19	26.96	26.03	27.02	27.19
4H	27.05	27.76	26.97	27.87	28.10	26.24	26.94	26.15	27.05	27.28
6H	26.89	27.52	26.89	27.68	27.97	26.23	26.86	26.22	27.02	27.31
8H	26.77	27.35	26.81	27.55	27.87	26.19	26.77	26.22	26.96	27.29
12H	26.62	27.16	26.70	27.38	27.74	26.08	26.62	26.16	26.84	27.20
8H 4H	29.44	30.23	29.25	30.27	30.42	27.62	28.42	27.44	28.46	28.60
6H	30.07	30.56	30.20	30.81	31.21	28.37	28.86	28.50	29.11	29.51
8H	30.04	30.47	30.22	30.76	31.20	28.49	28.92	28.67	29.21	29.65
12H	29.95	30.32	30.18	30.64	31.12	28.58	28.95	28.82	29.27	29.75
12H 4H	31.12	31.66	31.20	31.88	32.24	28.82	29.36	28.90	29.58	29.94
6H	31.38	31.81	31.56	32.10	32.54	29.15	29.58	29.33	29.87	30.31

C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/14 16:39:54

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	223.9	225.7	228.5	230.5	228.2	227.0	227.3	225.7	10	21.6	21.6	1.9	1.9
20	216.6	224.8	226.9	226.0	228.5	223.6	221.9	223.5	20	64.0	85.7	7.4	7.4
30	207.3	216.3	218.1	219.5	222.0	218.0	213.1	215.0	30	101.8	187.5	16.1	16.1
40	199.0	208.2	209.0	213.1	215.6	211.6	204.1	205.4	40	133.2	320.6	27.6	27.6
50	191.1	199.3	200.7	206.1	209.1	204.5	195.7	196.6	50	158.2	478.9	41.2	41.2
60	182.9	190.9	178.9	197.1	203.2	196.1	175.7	188.1	60	174.8	653.7	56.2	56.2
70	170.3	181.3	144.5	188.5	196.2	186.8	143.6	177.1	70	180.3	834.0	71.7	71.7
80	155.9	168.0	98.4	178.6	187.9	176.3	97.1	165.9	80	173.3	1007.3	86.7	86.7
90	139.0	149.7	0.0	167.5	177.9	168.6	51.7	168.2	90	155.1	1162.4	100.0	100.0

Conical surface Flux(90deg) : 397.1 lm

%lum = 34.2%

%lamp = 34.2%

Conical surface Flux(120deg) : 653.7 lm

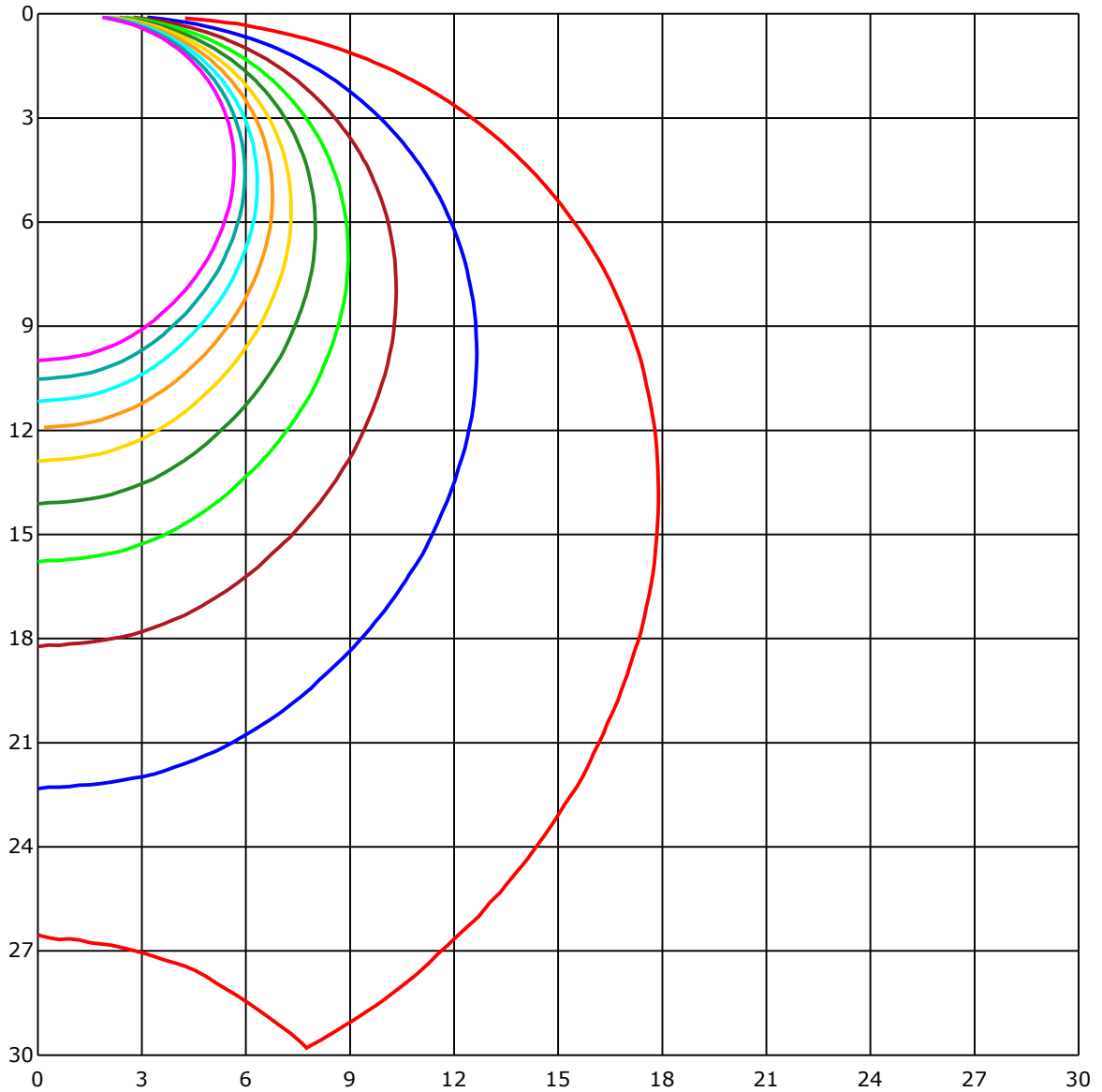
%lum = 56.2%

%lamp = 56.2%

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SPACE ISOLX DIAGRAM



Unit of illumination:lx

- | | |
|---------|---------|
| — 2.263 | — 1.131 |
| — 2.037 | — 0.905 |
| — 1.81 | — 0.679 |
| — 1.584 | — 0.453 |
| — 1.358 | — 0.226 |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 16:39:54

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 16:39:54

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	225.59	225.39	226.02	226.76	225.59	225.39	226.02	226.76	225.59	
G1	224.57	224.61	226.09	226.84	225.31	225.2	226.29	226.37	224.57	
G2	225.08	224.69	225.59	227.34	225.63	225.66	225.9	226.52	225.08	
G3	224.49	224.73	226.37	227.58	225.9	225.78	225.78	226.41	224.49	
G4	224.84	225.08	226.64	228.05	226.48	226.02	226.09	226.17	224.84	
G5	224.73	224.53	227.38	228.55	226.48	226.02	226.72	225.9	224.73	
G6	224.69	224.65	226.99	228.32	227.03	226.84	226.48	225.86	224.69	
G7	224.57	224.57	227.5	229.45	226.95	227.07	226.68	226.52	224.57	
G8	224.88	224.73	227.73	229.8	227.3	226.91	226.8	226.09	224.88	
G9	224.73	225.27	228.13	229.69	227.03	226.64	227.38	226.25	224.73	
G10	223.91	225.66	228.48	230.51	228.2	226.99	227.34	225.7	223.91	
G11	223.55	225.47	228.52	230.59	228.24	227.27	227.23	226.09	223.55	
G12	223.01	225.9	229.14	230.23	228.55	227.34	226.13	225.86	223.01	
G13	222.5	225.51	229.22	229.73	228.52	226.95	226.48	225.63	222.5	
G14	222.3	226.05	228.79	229.45	228.71	226.48	226.09	225.39	222.3	
G15	221.13	225.23	229.69	229.1	228.91	226.29	225.51	225.35	221.13	
G16	220.31	225.43	228.44	228.32	229.06	225.7	225.04	225.04	220.31	
G17	219.3	225.12	228.52	228.01	228.98	225.12	225.23	225.27	219.3	
G18	218.55	225.08	227.54	227.7	229.38	224.34	224.1	223.95	218.55	
G19	217.77	224.84	227.77	227.03	228.83	223.59	223.13	224.1	217.77	
G20	216.64	224.8	226.88	225.98	228.52	223.59	221.91	223.52	216.64	
G21	215.78	224.02	226.41	225.12	228.28	222.38	221.37	222.73	215.78	
G22	214.77	223.55	226.09	225.0	227.03	222.34	220.2	221.95	214.77	
G23	213.16	222.15	225.04	224.84	226.56	221.45	219.53	221.6	213.16	
G24	212.34	221.52	223.79	223.32	226.09	221.21	218.48	220.51	212.34	
G25	211.37	220.66	223.4	222.46	226.05	220.74	217.93	219.1	211.37	
G26	211.13	220.66	221.56	221.95	224.96	220.0	216.56	218.28	211.13	
G27	209.53	219.1	221.21	221.48	223.79	219.26	216.02	217.85	209.53	
G28	209.14	218.2	219.92	220.9	223.32	218.67	214.8	216.68	209.14	
G29	207.77	217.54	219.1	220.35	222.58	217.93	214.38	216.21	207.77	
G30	207.34	216.29	218.13	219.53	221.95	218.01	213.09	215.04	207.34	
G31	206.02	215.2	217.27	219.02	221.25	217.27	212.27	213.91	206.02	
G32	205.63	214.8	216.02	218.59	221.41	216.48	211.41	213.13	205.63	
G33	204.45	213.52	215.0	217.85	219.88	216.05	210.82	212.03	204.45	
G34	203.59	212.97	213.79	216.88	219.02	215.47	209.02	210.86	203.59	
G35	203.52	211.95	213.67	216.84	218.98	214.84	209.3	210.82	203.52	
G36	202.5	211.21	211.91	215.63	218.71	214.22	207.23	209.41	202.5	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 16:39:54

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 16:39:54

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	201.13	210.39	211.6	215.59	217.34	213.83	206.91	208.36	201.13	
G38	200.55	209.8	210.43	214.61	216.56	212.77	205.7	207.38	200.55	
G39	199.18	208.52	209.73	214.02	216.41	212.54	204.84	207.03	199.18	
G40	198.98	208.2	209.02	213.13	215.59	211.64	204.1	205.35	198.98	
G41	197.93	207.15	208.05	212.34	215.0	210.82	203.52	205.74	197.93	
G42	197.3	205.94	206.56	211.68	214.92	210.31	202.11	204.49	197.3	
G43	196.17	204.88	206.84	211.72	213.44	209.69	202.07	203.4	196.17	
G44	196.13	205.08	205.08	210.74	212.73	209.02	200.74	202.15	196.13	
G45	195.27	203.71	204.41	210.12	212.62	207.58	200.08	201.72	195.27	
G46	194.26	203.13	203.71	209.14	212.46	207.58	199.53	200.16	194.26	
G47	193.83	201.91	203.24	208.2	210.78	206.45	198.59	199.57	193.83	
G48	193.01	201.41	202.38	207.93	210.47	205.66	197.3	198.32	193.01	
G49	191.91	200.35	201.76	206.41	209.84	205.43	196.84	197.81	191.91	
G50	191.05	199.26	200.74	206.13	209.14	204.53	195.66	196.56	191.05	
G51	190.23	198.28	199.41	205.2	208.59	203.98	194.65	195.82	190.23	
G52	189.57	197.73	197.38	204.02	207.66	203.01	193.28	195.31	189.57	
G53	188.48	196.8	195.66	203.32	206.99	201.72	191.84	194.38	188.48	
G54	187.73	196.17	193.36	202.15	206.41	201.02	189.8	192.93	187.73	
G55	187.15	194.77	192.15	201.56	206.17	200.16	188.24	191.88	187.15	
G56	186.25	194.14	188.79	200.94	205.16	199.49	185.74	191.05	186.25	
G57	185.27	193.36	186.72	199.77	204.49	198.63	183.52	190.04	185.27	
G58	184.14	192.5	183.67	199.22	203.75	197.54	181.05	189.14	184.14	
G59	183.32	191.52	181.64	198.32	203.4	196.99	178.24	188.55	183.32	
G60	182.85	190.94	178.95	197.07	203.2	196.05	175.74	188.09	182.85	
G61	181.48	189.8	176.99	196.76	201.76	194.73	173.52	186.72	181.48	
G62	180.59	188.79	173.67	195.47	201.6	194.49	170.94	185.94	180.59	
G63	179.18	188.05	170.82	195.43	200.08	192.97	168.28	185.12	179.18	
G64	178.16	186.99	167.38	193.75	200.16	192.34	165.63	183.98	178.16	
G65	177.34	185.98	164.18	193.05	199.1	191.48	162.62	183.05	177.34	
G66	176.17	185.2	160.12	192.03	198.63	190.59	158.83	181.68	176.17	
G67	174.53	184.26	156.68	191.41	197.66	190.23	155.27	181.17	174.53	
G68	173.32	183.05	152.66	190.78	197.42	188.4	151.13	179.69	173.32	
G69	171.52	182.07	148.48	189.8	196.45	187.66	147.42	178.75	171.52	
G70	170.31	181.29	144.49	188.48	196.17	186.76	143.55	177.11	170.31	
G71	168.83	179.8	140.12	187.42	195.27	185.43	139.14	176.99	168.83	
G72	167.46	179.06	135.74	186.56	194.84	184.84	134.73	175.47	167.46	
G73	165.94	178.52	131.41	185.66	193.91	183.59	130.59	174.57	165.94	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 16:39:54

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

Remarks:

