

Report No.:

Test Time: 2025/11/14 15:29:59

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: 0
 Luminaire Type: 62683LEDDCS-BS/ACR
 Lamp Type:
 Luminous Width: 0 mm
 Luminous Length: 0 mm
 Luminous Height: 0 mm

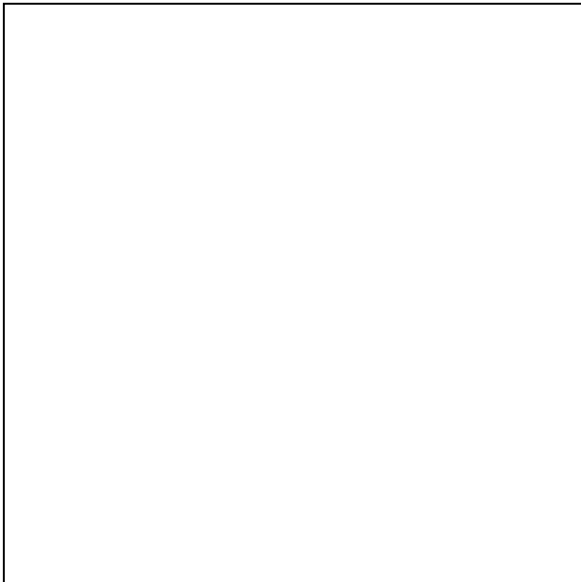
Voltage(V): 119.00 V
 Current(A): 0.1440 A
 Power(W): 16.84 W
 Power Factor: 0.9800
 Lamp Luminous Flux: 1277.08

Photometric Results

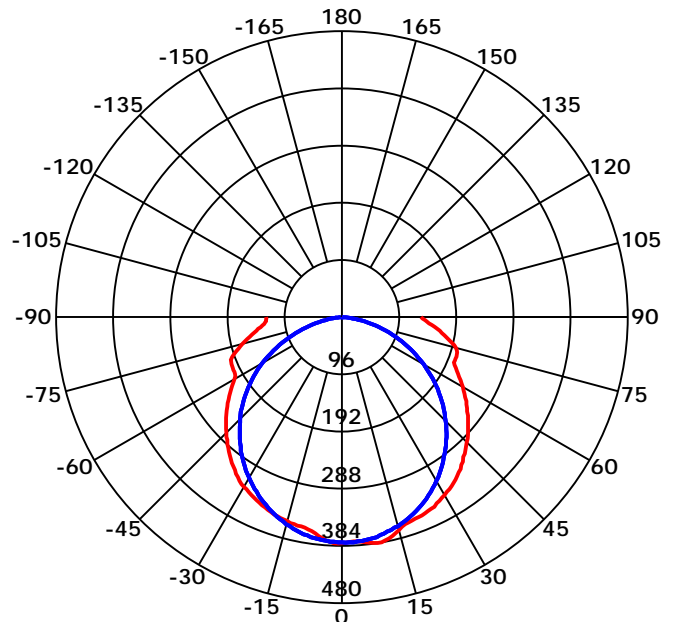
CIE Class: Direct
 Luminaire Luminous Flux: 1277.083 lm
 Downward Ratio: 100.00%
 Luminaire Efficacy Rating(LER): 75.84 lm/W
 Beam Angle(50%) C0-180,C90-270: 147.3,109.3
 Field Angle(10%) C0-180,C90-270: 0.0,157.5
 S/MH C0-180,C90-270: 1.299,1.202

Max. Intensity: 383.91 cd
 Max.Intensity Angle: C=0 Gamma=9
 Upward Ratio: 0.00%
 Efficacy: 100.00%
 Center Intensity: 379.57 cd
 Effective Luminous Flux: 1275.78 lm
 ERP(φ use)(120deg): 887.67 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 147.3 deg,109.3 deg

Average Beam Angle: 128.3 deg

C0-180 ——— C90-270 ———

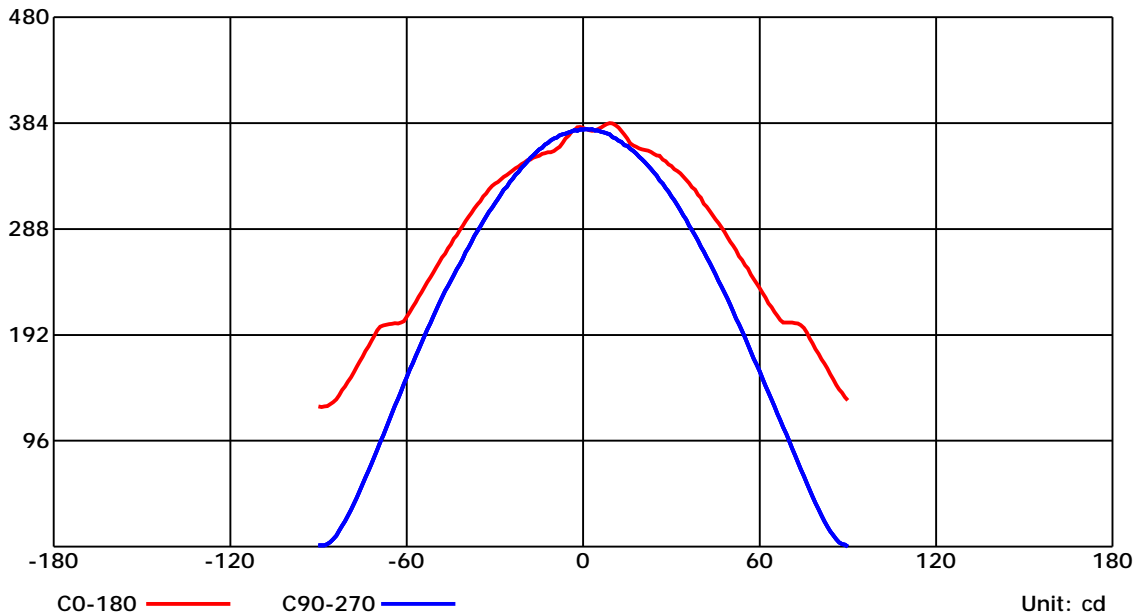
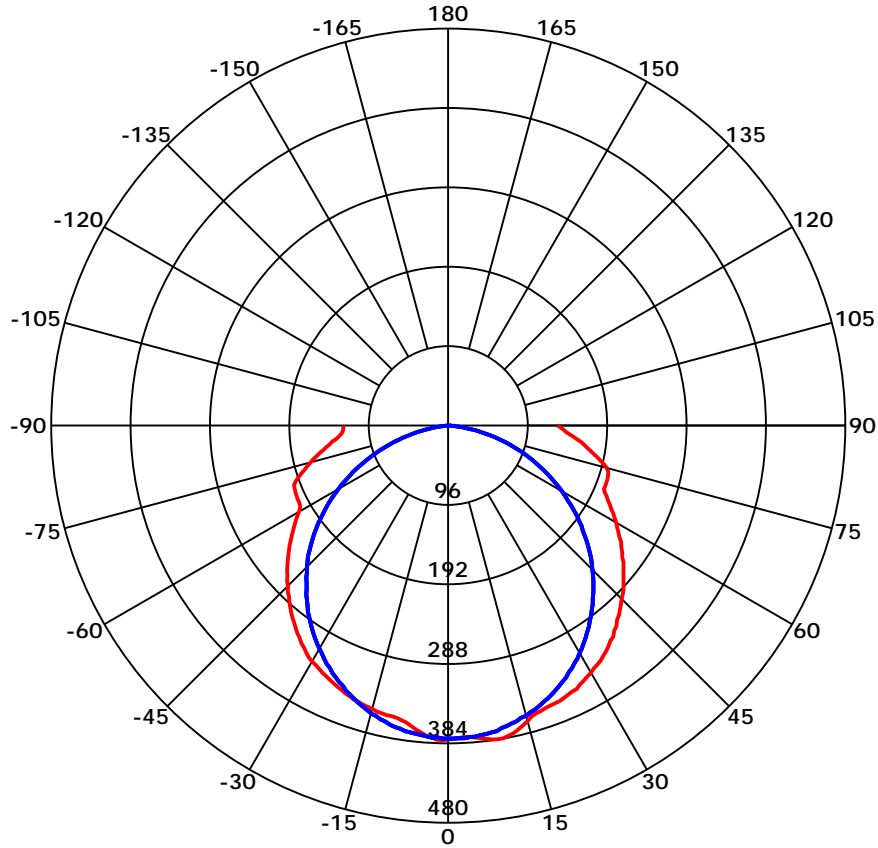
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/14 15:29:59

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 15:29:59

Luminous Intensity Distribution Curve



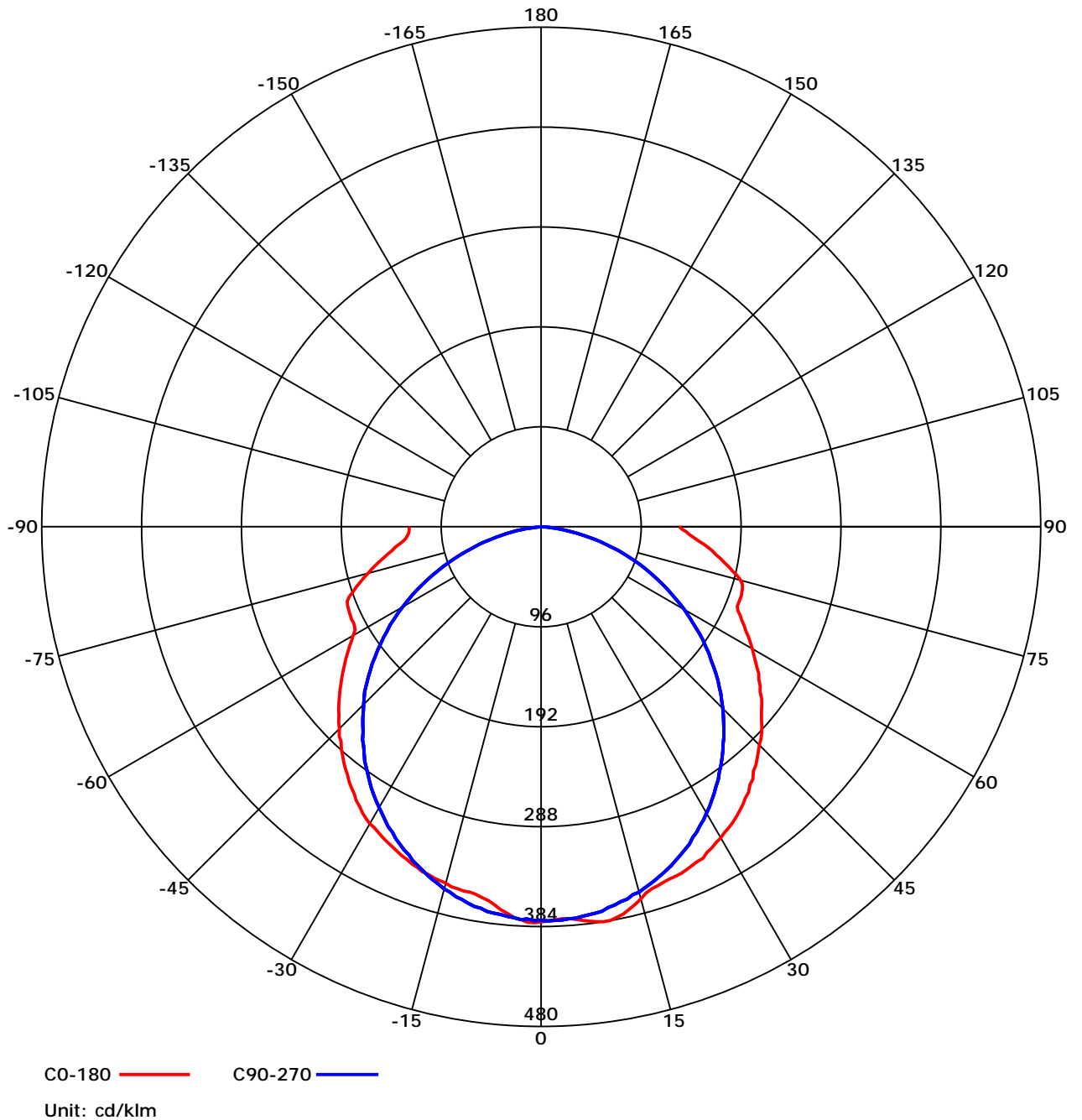
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Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 15:29:59

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

Remarks:

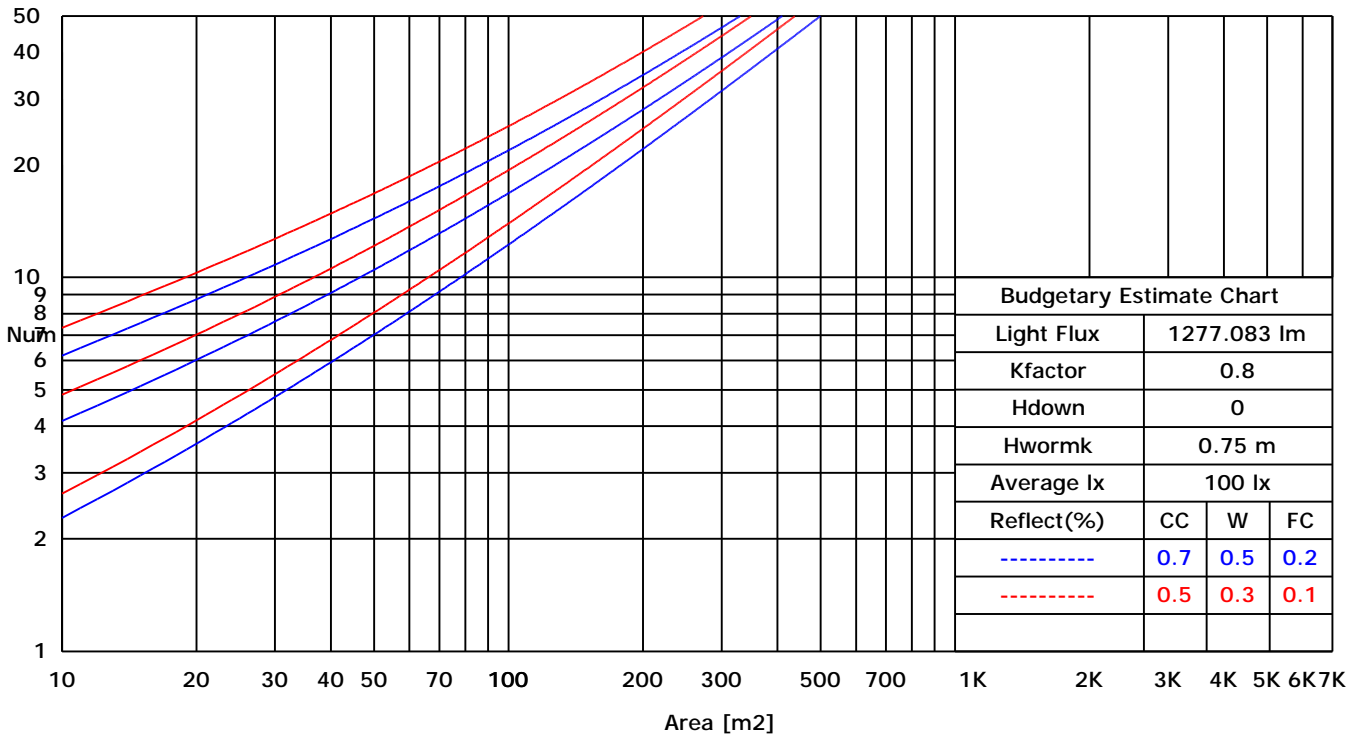
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UTILIZATION FACTORS TABLE

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	1.10	1.10	1.10	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	0.97	0.95	0.94	0.96	0.94	0.92	0.93	0.90	0.89	0.88	0.86	0.84	0.82	0.80	0.78	0.73
2	0.80	0.78	0.76	0.80	0.77	0.75	0.78	0.75	0.72	0.75	0.71	0.68	0.71	0.67	0.63	0.59
3	0.68	0.65	0.63	0.68	0.64	0.62	0.67	0.63	0.59	0.65	0.60	0.56	0.62	0.57	0.53	0.49
4	0.58	0.55	0.53	0.58	0.55	0.52	0.58	0.54	0.50	0.57	0.52	0.48	0.56	0.50	0.45	0.41
5	0.50	0.47	0.45	0.51	0.47	0.45	0.51	0.46	0.43	0.51	0.45	0.41	0.50	0.44	0.39	0.35
6	0.44	0.41	0.39	0.45	0.41	0.39	0.46	0.41	0.37	0.46	0.40	0.36	0.45	0.39	0.34	0.31
7	0.39	0.36	0.35	0.40	0.36	0.34	0.41	0.36	0.33	0.42	0.36	0.31	0.41	0.35	0.30	0.27
8	0.35	0.32	0.31	0.36	0.32	0.30	0.37	0.32	0.29	0.38	0.32	0.28	0.38	0.32	0.27	0.24
9	0.31	0.29	0.28	0.32	0.29	0.27	0.34	0.29	0.26	0.35	0.29	0.25	0.35	0.29	0.24	0.21
10	0.28	0.26	0.25	0.30	0.26	0.25	0.31	0.27	0.24	0.32	0.27	0.23	0.33	0.26	0.22	0.19

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



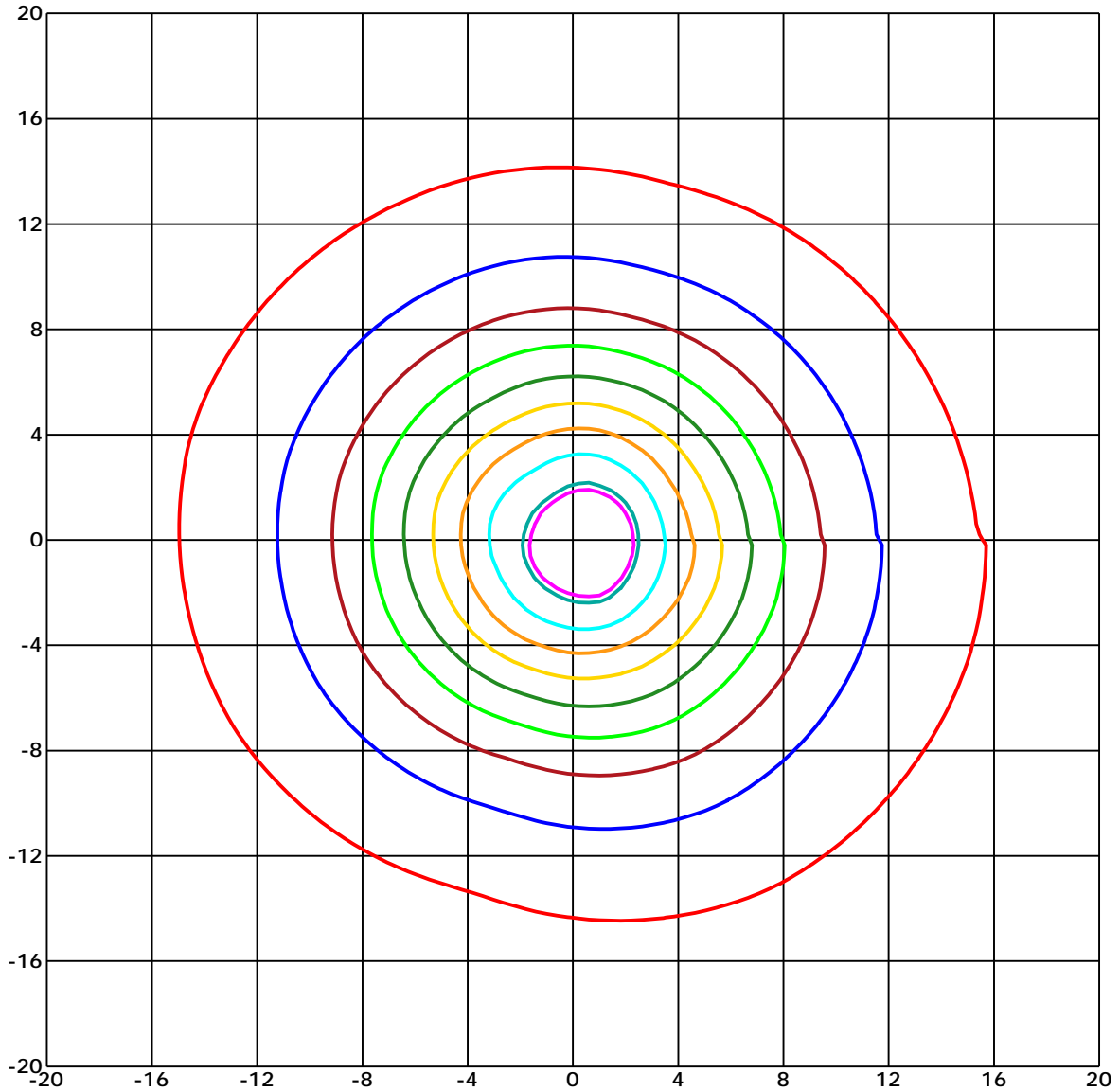
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
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 Temperature: 25
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 Test Date: 2025/11/14 15:29:59

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)

- | | |
|------------------|-----------------|
| — 3.497(92%Emax) | — 1.9(50%Emax) |
| — 3.421(90%Emax) | — 1.52(40%Emax) |
| — 3.041(80%Emax) | — 1.14(30%Emax) |
| — 2.661(70%Emax) | — 0.76(20%Emax) |
| — 2.28(60%Emax) | — 0.38(10%Emax) |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 15:29:59

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

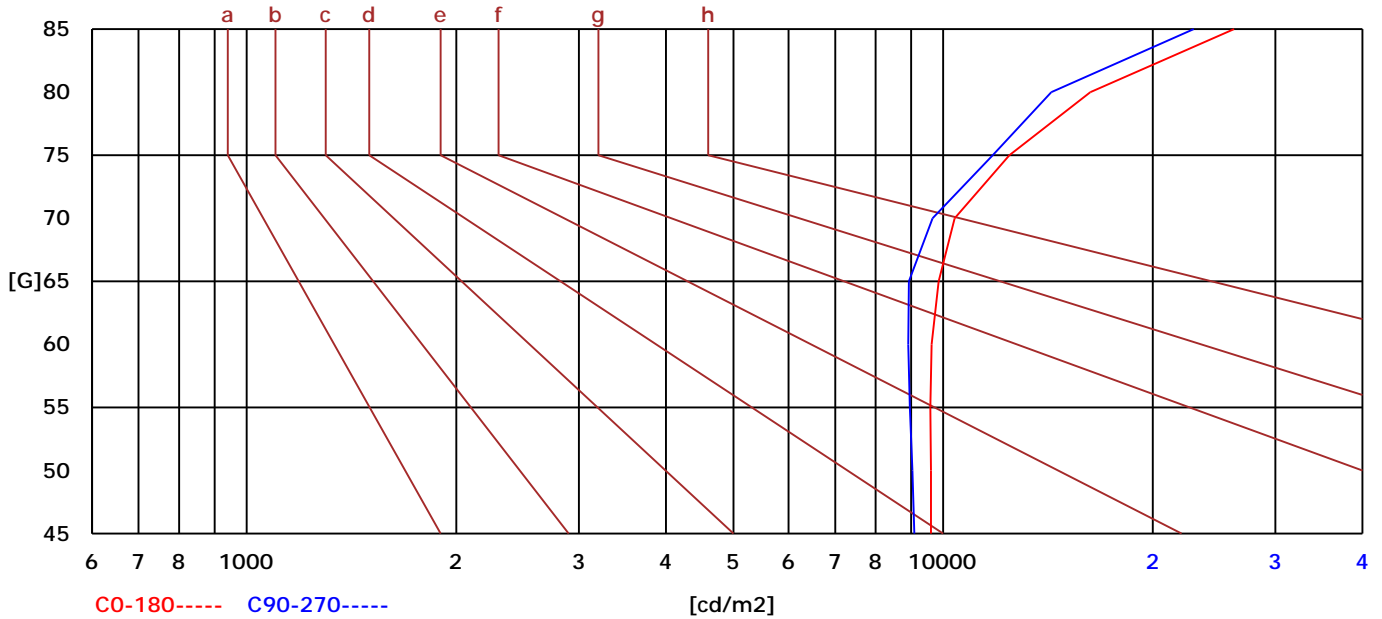
Remarks:

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BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	9604	9611	9589	9629	9853	10385	12451	16275	26163
C90	9093	9034	8962	8912	8929	9659	11787	14301	22903
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



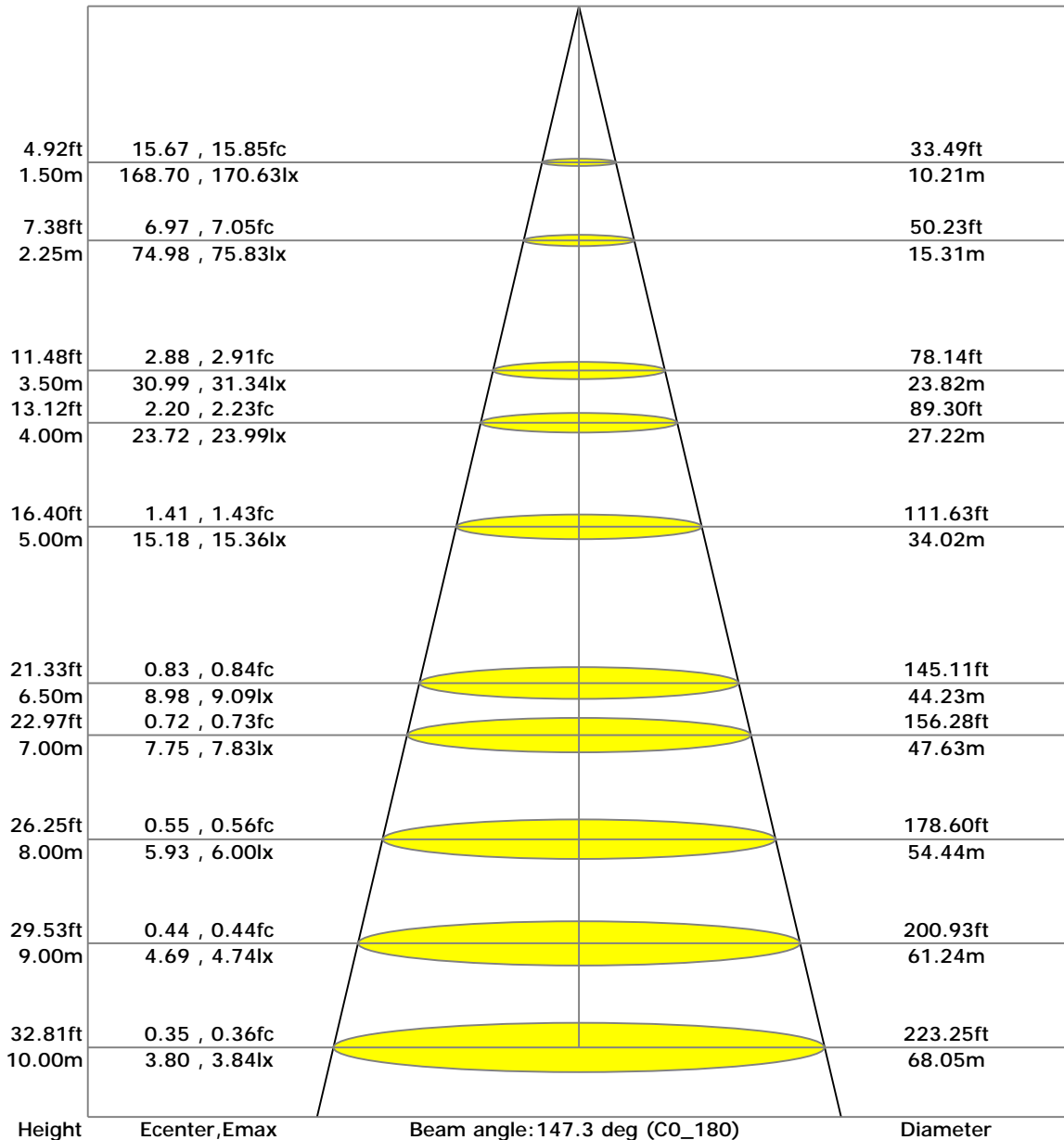
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G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 65
 Test Distance: 6.25 m
 Remarks:

Report No.:

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LX-DISTANCE DIAGRAM



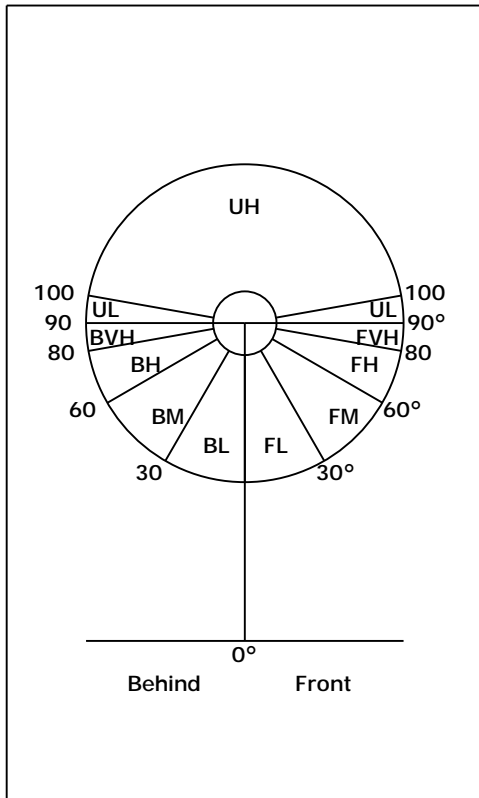
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/14 15:29:59

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 15:29:59

BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	632.4	49.5
FL (0°-30°)	146.5	11.5
FM (30°-60°)	294.3	23.0
FH (60°-80°)	146.4	11.5
FVH (80°-90°)	45.2	3.5

Behind	644.7	50.5
BL (0°-30°)	147.1	11.5
BM (30°-60°)	299.8	23.5
BH (60°-80°)	150.5	11.8
BVH (80°-90°)	47.3	3.7

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

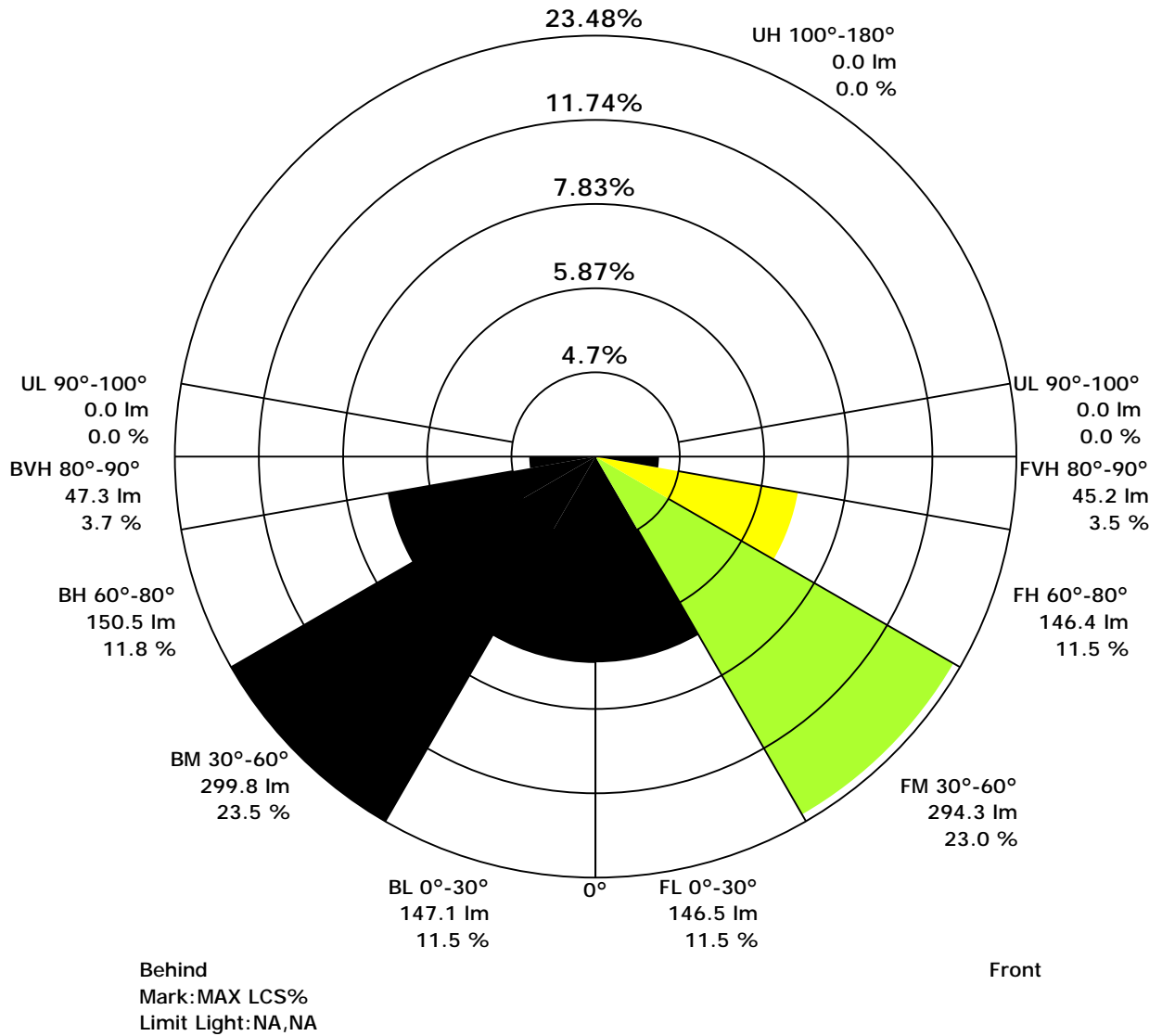
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 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/14 15:29:59

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 15:29:59

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	22.19	23.01	21.90	23.01	23.09	21.40	22.22	21.12	22.23	22.30
	3H	21.92	22.68	21.71	22.73	22.87	21.28	22.04	21.08	22.09	22.23
	4H	21.72	22.44	21.56	22.53	22.70	21.18	21.90	21.01	21.98	22.15
	6H	21.49	22.17	21.38	22.28	22.50	21.01	21.69	20.90	21.80	22.01
	8H	21.36	22.02	21.28	22.15	22.39	20.88	21.54	20.80	21.67	21.90
	12H	21.23	21.87	21.18	22.02	22.27	20.75	21.38	20.70	21.54	21.79
4H	2H	25.67	26.39	25.51	26.47	26.65	23.29	24.01	23.13	24.10	24.27
	3H	25.56	26.19	25.50	26.34	26.60	23.37	24.00	23.32	24.16	24.41
	4H	25.41	25.99	25.41	26.17	26.48	23.39	23.97	23.40	24.16	24.46
	6H	25.18	25.70	25.25	25.93	26.28	23.37	23.88	23.44	24.11	24.47
	8H	25.04	25.53	25.15	25.78	26.16	23.32	23.80	23.43	24.06	24.44
	12H	24.90	25.34	25.04	25.62	26.03	23.22	23.67	23.37	23.94	24.36
8H	4H	27.81	28.47	27.73	28.60	28.83	23.64	24.29	23.55	24.43	24.66
	6H	27.85	28.26	28.04	28.56	29.00	24.10	24.50	24.28	24.80	25.25
	8H	27.76	28.12	27.98	28.44	28.91	24.21	24.57	24.43	24.89	25.37
	12H	27.63	27.94	27.89	28.28	28.79	24.31	24.62	24.58	24.97	25.48
12H	4H	28.93	29.38	29.08	29.65	30.07	23.96	24.41	24.11	24.68	25.09
	6H	28.98	29.34	29.20	29.66	30.13	24.19	24.55	24.42	24.87	25.35

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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ZONAL LUMINOUS FLUX TABLE-2

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	φ zonal	φ total	%lum	%lamp
10	383.8	378.3	371.2	359.1	358.7	364.3	370.0	379.3	10	35.7	35.7	2.8	2.8
20	360.0	351.4	351.3	338.9	348.1	341.0	346.3	361.4	20	102.0	137.7	10.8	10.8
30	345.0	326.1	317.5	313.6	329.1	318.3	311.4	334.6	30	155.9	293.6	23.0	23.0
40	316.4	292.2	271.9	279.5	295.1	286.2	266.9	305.0	40	192.9	486.5	38.1	38.1
50	276.4	247.1	219.1	232.3	253.0	243.8	214.4	263.2	50	206.5	692.9	54.3	54.3
60	234.3	192.6	158.9	178.2	208.5	191.4	153.6	211.5	60	194.7	887.7	69.5	69.5
70	203.2	142.1	95.9	132.1	196.3	135.9	88.1	157.6	70	164.9	1052.5	82.4	82.4
80	174.8	113.0	33.8	99.3	149.4	105.7	28.0	129.9	80	132.0	1184.6	92.8	92.8
90	132.7	81.1	0.0	74.4	127.1	63.9	1.1	63.9	90	92.5	1277.1	100.0	100.0

Conical surface Flux(90deg) : 589.5 lm

%lum = 46.2%

%lamp = 46.2%

Conical surface Flux(120deg) : 887.7 lm

%lum = 69.5%

%lamp = 69.5%

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 15:29:59

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

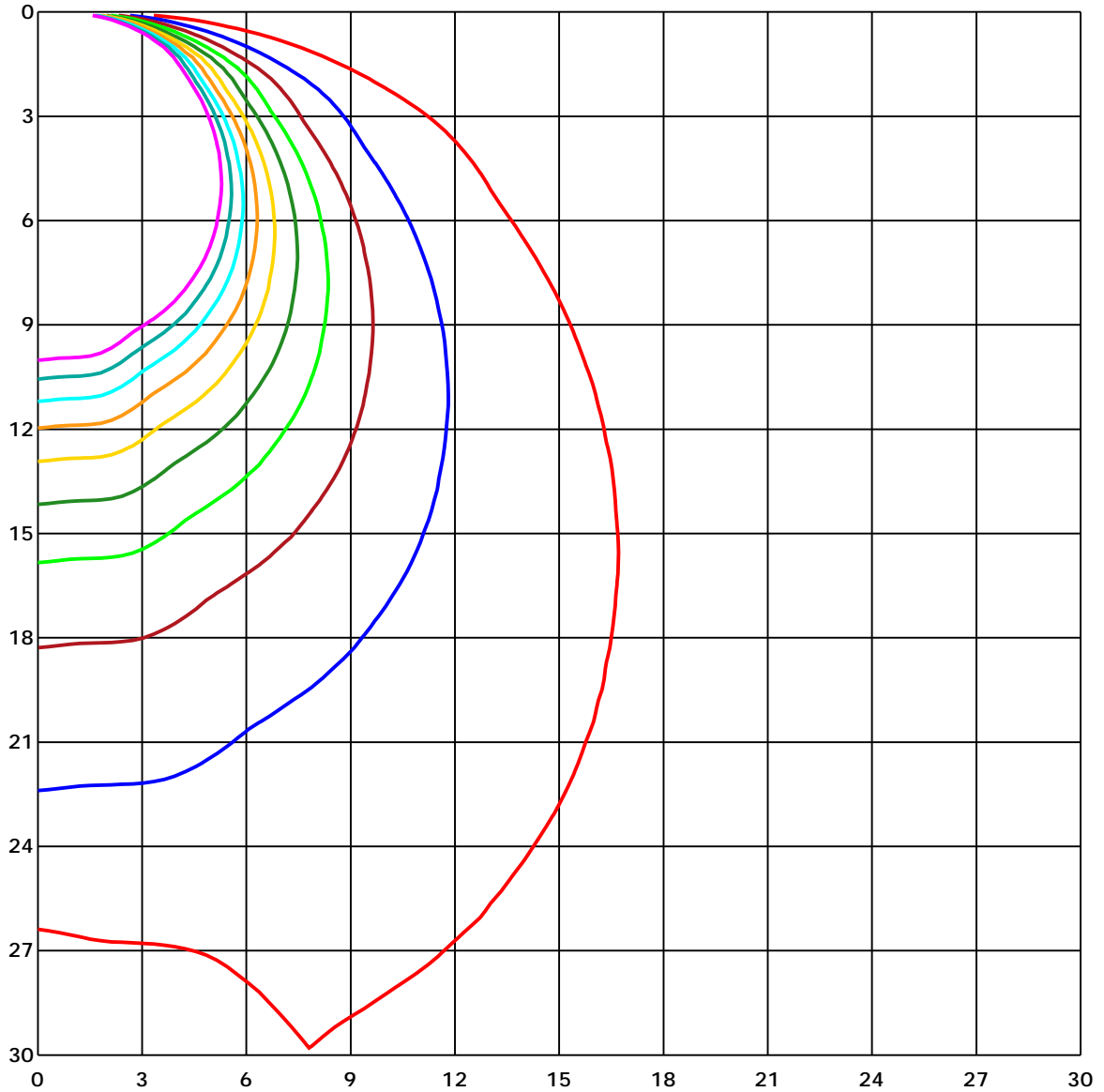
Test Distance: 6.25 m

Remarks:

Report No.:

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SPACE ISOLX DIAGRAM



Unit of illumination: lx

- | | |
|---------|---------|
| — 3.785 | — 1.892 |
| — 3.406 | — 1.514 |
| — 3.028 | — 1.135 |
| — 2.649 | — 0.757 |
| — 2.271 | — 0.378 |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 15:29:59

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 15:29:59

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	379.57	375.86	378.05	378.75	379.57	375.86	378.05	378.75	379.57	
G1	378.55	376.21	378.48	378.24	380.39	377.73	378.2	378.09	378.55	
G2	377.62	375.04	378.2	378.32	380.04	378.32	376.91	377.89	377.62	
G3	376.88	375.78	378.32	377.93	377.58	378.09	377.66	376.52	376.88	
G4	377.11	374.49	377.34	376.05	376.05	377.27	376.41	376.76	377.11	
G5	378.36	375.55	377.38	372.77	372.66	375.98	375.55	375.82	378.36	
G6	379.92	376.02	376.17	370.74	369.92	374.34	374.41	376.02	379.92	
G7	381.52	377.77	375.43	367.81	365.9	372.54	373.67	376.37	381.52	
G8	382.93	376.72	374.53	366.17	362.58	369.53	372.97	377.62	382.93	
G9	383.91	377.93	373.79	361.76	360.78	367.27	370.86	377.11	383.91	
G10	383.75	378.28	371.21	359.06	358.67	364.34	370.04	379.34	383.75	
G11	381.91	378.28	370.08	356.02	357.54	362.07	368.28	378.71	381.91	
G12	380.0	376.13	367.93	354.1	357.62	358.63	365.9	379.34	380.0	
G13	376.72	375.04	366.91	352.23	356.72	355.63	364.49	378.52	376.72	
G14	373.59	371.99	364.02	349.53	356.17	352.42	361.56	377.97	373.59	
G15	370.04	369.65	363.32	347.73	354.22	350.43	360.16	375.0	370.04	
G16	365.74	366.09	360.63	346.56	353.48	349.49	357.11	373.79	365.74	
G17	363.48	362.73	358.67	344.77	352.73	348.16	354.77	370.04	363.48	
G18	362.54	358.83	356.29	343.2	350.98	344.14	352.19	368.01	362.54	
G19	361.05	356.88	353.55	341.48	350.35	343.48	349.14	364.06	361.05	
G20	360.0	351.37	351.25	338.87	348.13	341.02	346.29	361.41	360.0	
G21	359.53	348.67	348.55	336.99	346.8	340.12	343.67	357.46	359.53	
G22	358.98	345.08	345.31	335.2	344.38	338.05	339.61	354.73	358.98	
G23	357.7	343.2	342.46	332.93	343.01	336.41	337.11	351.52	357.7	
G24	356.05	339.38	339.26	329.84	340.94	333.13	333.52	348.01	356.05	
G25	354.65	337.97	336.37	327.19	338.87	332.15	330.43	344.38	354.65	
G26	354.22	335.27	331.88	324.8	336.88	328.98	326.05	342.42	354.22	
G27	350.94	333.71	329.02	321.56	335.08	327.34	323.44	340.16	350.94	
G28	349.26	331.21	324.92	319.41	332.81	324.1	319.18	338.44	349.26	
G29	346.48	329.41	321.72	316.09	330.51	321.13	315.16	335.86	346.48	
G30	344.96	326.09	317.54	313.59	329.1	318.28	311.41	334.61	344.96	
G31	342.15	323.75	313.91	309.61	326.95	315.86	307.46	331.6	342.15	
G32	340.35	320.16	309.41	306.64	323.91	312.62	303.59	330.43	340.35	
G33	338.24	318.13	305.04	303.63	320.16	310.0	299.26	327.19	338.24	
G34	335.51	314.38	300.39	300.43	317.5	306.25	294.77	324.92	335.51	
G35	332.7	311.45	296.52	296.72	313.16	303.48	290.27	321.72	332.7	
G36	329.53	307.3	291.21	294.06	310.12	299.92	286.05	318.98	329.53	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 15:29:59

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	325.9	303.75	286.95	290.78	306.56	297.23	281.64	315.63	325.9	
G38	323.67	299.57	282.03	286.84	302.3	293.44	276.09	312.07	323.67	
G39	318.83	296.41	277.42	283.44	298.91	290.16	271.09	308.01	318.83	
G40	316.41	292.19	271.91	279.53	295.08	286.21	266.91	304.96	316.41	
G41	310.9	288.36	267.5	274.92	290.82	283.52	260.94	300.7	310.9	
G42	308.16	284.3	262.42	271.05	287.03	279.57	256.05	297.11	308.16	
G43	304.18	280.7	257.07	266.48	282.07	276.64	251.33	293.4	304.18	
G44	300.35	275.66	251.88	262.27	279.26	272.03	246.02	289.92	300.35	
G45	296.52	271.64	246.6	257.19	273.98	267.89	241.25	284.96	296.52	
G46	293.48	267.07	240.98	252.58	270.51	263.32	236.33	281.8	293.48	
G47	289.61	263.16	235.98	247.38	265.59	258.75	231.76	277.73	289.61	
G48	285.23	258.24	230.2	242.23	261.95	254.1	225.78	273.4	285.23	
G49	280.55	252.5	224.88	236.99	257.42	248.71	220.16	268.2	280.55	
G50	276.41	247.11	219.06	232.27	253.05	243.79	214.41	263.2	276.41	
G51	272.77	242.07	213.01	226.52	248.55	238.67	208.75	258.16	272.77	
G52	268.71	236.6	206.64	221.76	244.1	233.55	202.46	253.24	268.71	
G53	263.28	231.88	201.6	216.21	239.8	228.05	196.8	247.77	263.28	
G54	259.88	226.05	195.27	210.82	235.04	222.97	190.59	243.16	259.88	
G55	255.23	220.0	189.61	205.63	230.59	217.97	184.57	237.66	255.23	
G56	252.07	214.61	183.24	200.04	226.25	212.81	178.52	232.77	252.07	
G57	246.68	209.57	176.8	194.77	221.41	207.62	172.81	227.19	246.68	
G58	242.58	204.06	170.39	189.1	217.3	201.68	166.25	221.8	242.58	
G59	238.2	198.55	164.53	183.83	212.58	197.03	160.2	216.48	238.2	
G60	234.34	192.58	158.91	178.24	208.52	191.45	153.55	211.48	234.34	
G61	229.88	187.66	152.23	172.73	204.34	185.7	147.38	205.59	229.88	
G62	225.74	182.27	145.74	167.03	203.09	180.23	140.63	200.43	225.74	
G63	220.7	177.3	139.8	161.8	202.38	174.69	134.02	195.23	220.7	
G64	217.19	172.07	133.28	156.37	202.7	168.63	127.85	189.92	217.19	
G65	212.7	166.56	127.15	150.94	202.11	163.01	120.98	184.1	212.7	
G66	209.34	161.33	120.59	145.98	201.8	157.15	114.38	178.83	209.34	
G67	205.35	156.52	114.57	140.98	201.17	151.64	107.81	173.59	205.35	
G68	203.16	151.6	108.24	136.8	200.63	146.17	100.98	168.09	203.16	
G69	203.24	146.52	102.15	133.24	199.53	140.94	94.69	162.81	203.24	
G70	203.24	142.07	95.94	132.15	196.25	135.94	88.09	157.58	203.24	
G71	203.24	137.93	89.18	130.86	191.17	132.23	81.52	152.58	203.24	
G72	202.7	133.16	83.01	129.38	186.68	130.63	75.16	148.05	202.7	
G73	202.27	130.7	76.64	127.38	181.6	129.02	69.02	143.36	202.27	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 15:29:59

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

Remarks:

