

Report No.:

Test Time: 2025/11/21 11:56:41

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: 0
 Luminaire Type: 29497LEDD-MBL/AMB
 Lamp Type:
 Luminous Width: 0 mm
 Luminous Length: 0 mm
 Luminous Height: 0 mm

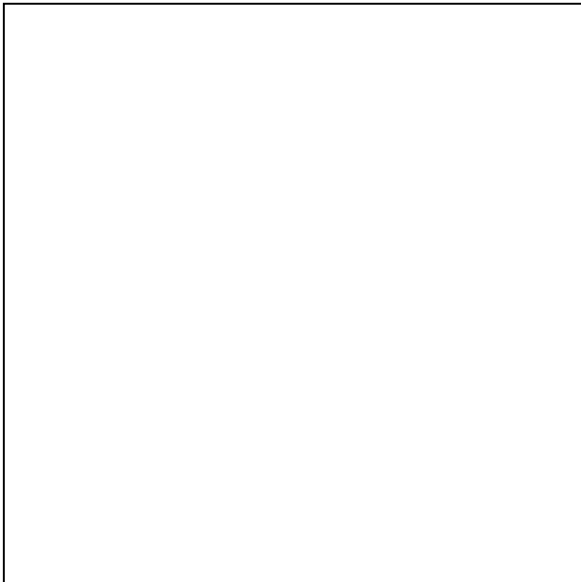
Voltage(V): 119.30 V
 Current(A): 0.0880 A
 Power(W): 10.14 W
 Power Factor: 0.9540
 Lamp Luminous Flux: 347.17

Photometric Results

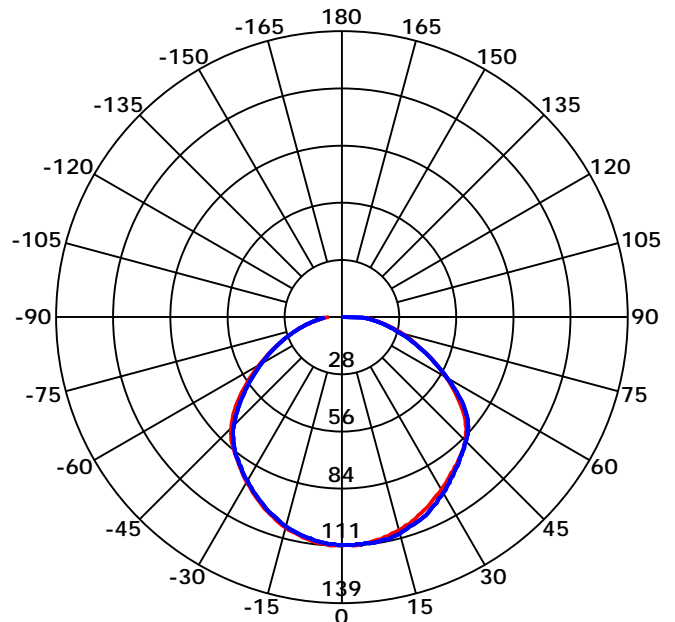
CIE Class: Direct
 Luminaire Luminous Flux: 347.1696 lm
 Downward Ratio: 100.00%
 Luminaire Efficacy Rating(LER): 34.24 lm/W
 Beam Angle(50%) C0-180,C90-270: 116.9,116.2
 Field Angle(10%) C0-180,C90-270: 88.0,172.7
 S/MH C0-180,C90-270: 1.250,1.250

Max. Intensity: 111.45 cd
 Max.Intensity Angle: C=0 Gamma=4
 Upward Ratio: 0.00%
 Efficacy: 100.00%
 Center Intensity: 111.41 cd
 Effective Luminous Flux: 344.30 lm
 ERP(φ use)(120deg): 261.93 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 116.9 deg,116.2 deg

Average Beam Angle: 116.6 deg

C0-180 ——— C90-270 ———

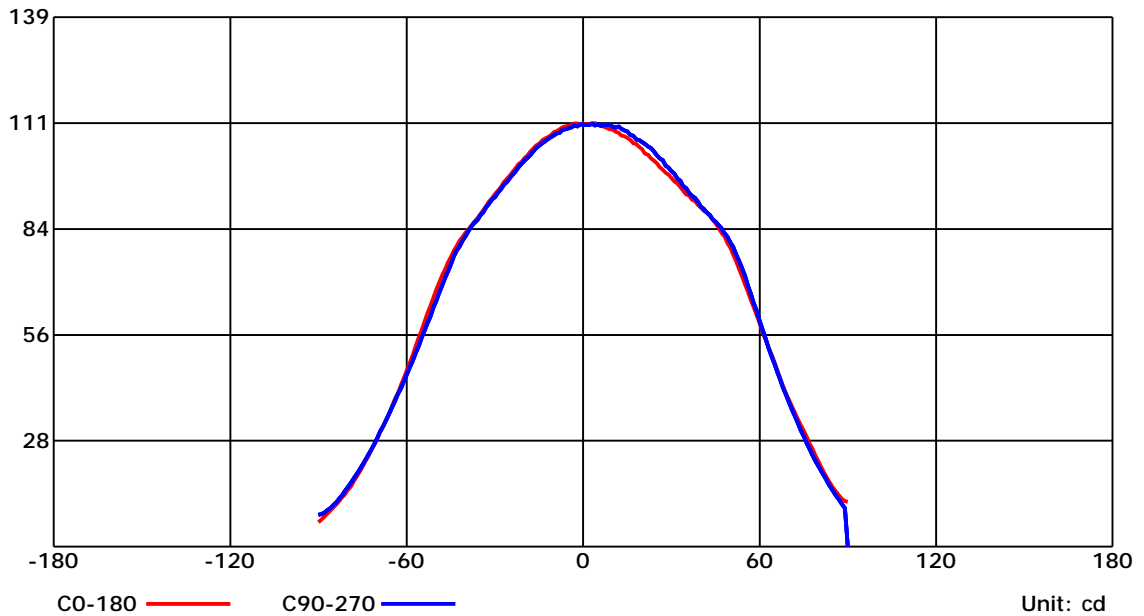
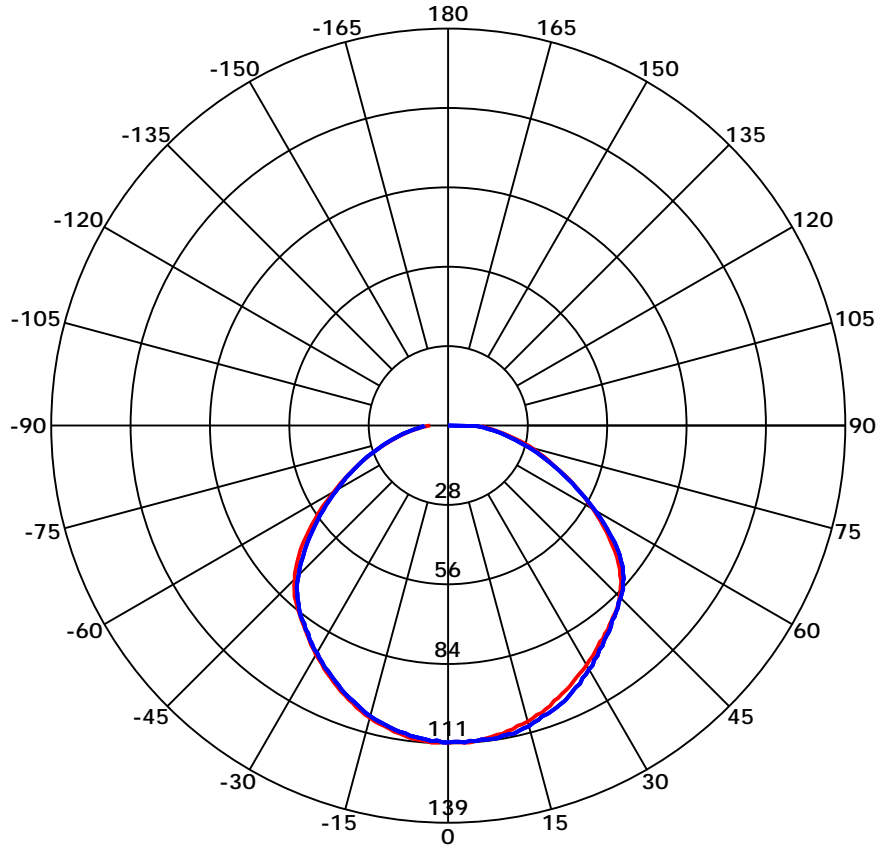
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/21 11:56:41

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: 2025/11/21 11:56:41

Luminous Intensity Distribution Curve



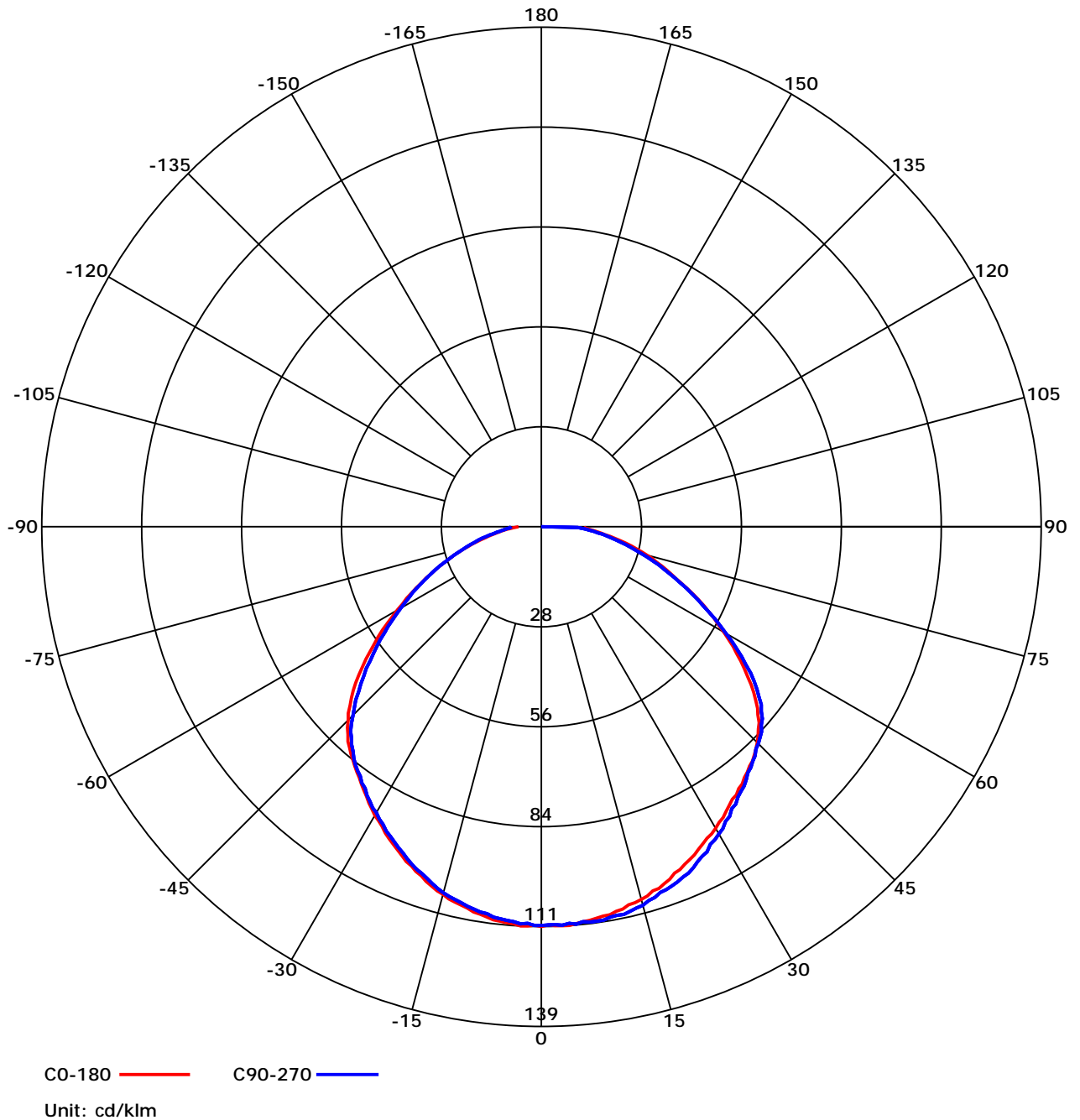
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/21 11:56:41

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: 2025/11/21 11:56:41

Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/21 11:56:41

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

Remarks:

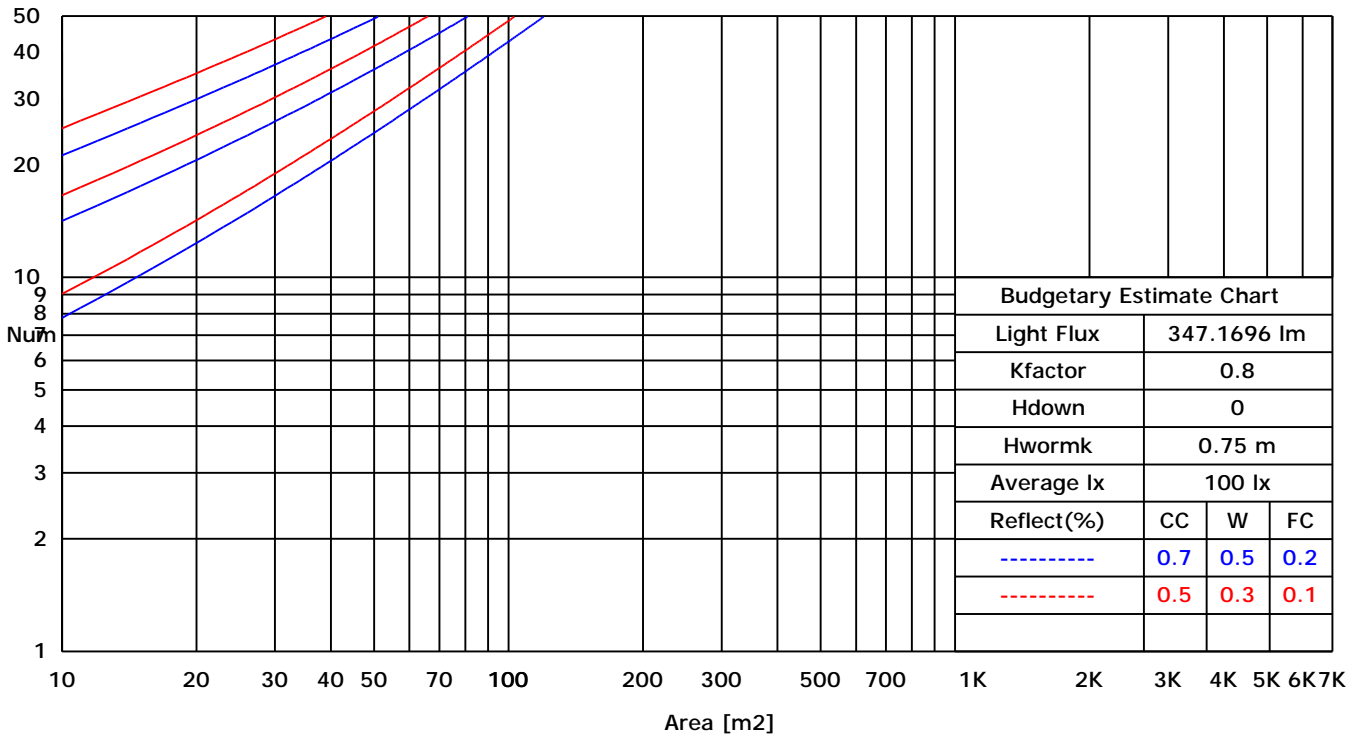
Report No.:

Test Time: 2025/11/21 11:56:41

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	1.14	1.14	1.14	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	0.98	0.98	0.98	0.96
1	1.01	0.99	0.98	1.00	0.98	0.96	0.96	0.94	0.92	0.91	0.89	0.87	0.85	0.83	0.81	0.76
2	0.85	0.82	0.81	0.84	0.81	0.79	0.82	0.79	0.76	0.79	0.75	0.72	0.75	0.71	0.67	0.63
3	0.72	0.69	0.67	0.72	0.69	0.66	0.71	0.67	0.63	0.69	0.64	0.60	0.66	0.61	0.57	0.52
4	0.62	0.59	0.57	0.62	0.59	0.56	0.62	0.57	0.54	0.61	0.55	0.51	0.59	0.53	0.48	0.44
5	0.54	0.51	0.49	0.54	0.51	0.48	0.55	0.50	0.46	0.54	0.49	0.44	0.53	0.47	0.42	0.38
6	0.47	0.44	0.43	0.48	0.44	0.42	0.49	0.44	0.40	0.49	0.43	0.39	0.48	0.42	0.37	0.33
7	0.42	0.39	0.38	0.43	0.39	0.37	0.44	0.39	0.36	0.44	0.38	0.34	0.44	0.37	0.32	0.29
8	0.37	0.35	0.33	0.38	0.35	0.33	0.40	0.35	0.32	0.40	0.35	0.30	0.40	0.34	0.29	0.26
9	0.34	0.31	0.30	0.35	0.32	0.30	0.36	0.32	0.28	0.37	0.31	0.27	0.37	0.31	0.26	0.23
10	0.31	0.28	0.27	0.32	0.29	0.27	0.33	0.29	0.26	0.34	0.29	0.25	0.35	0.28	0.24	0.21

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



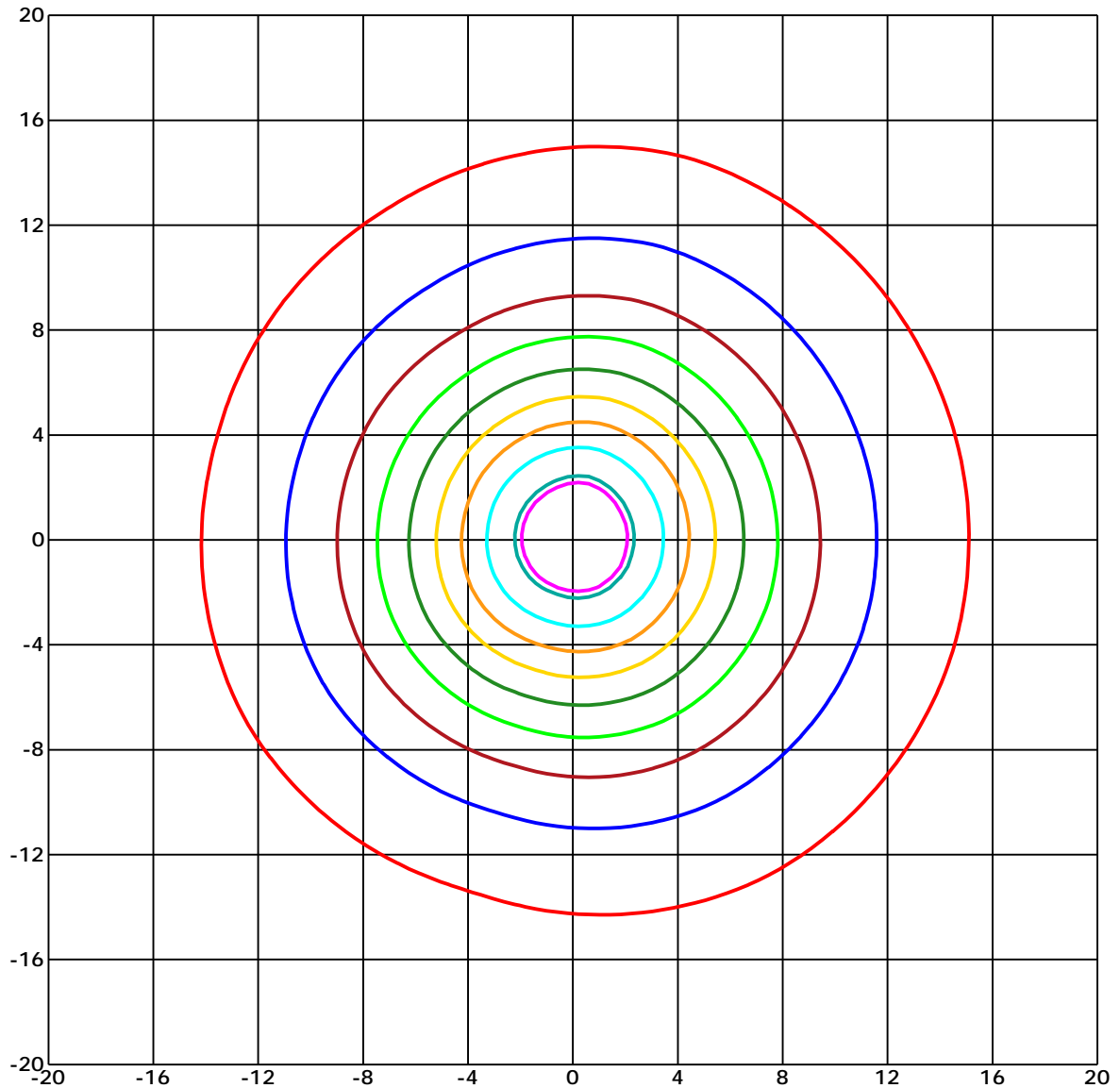
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/21 11:56:41

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: 2025/11/21 11:56:41

ISOLX DIAGRAM



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

- | | |
|------------------|------------------|
| — 1.025(92%Emax) | — 0.557(50%Emax) |
| — 1.003(90%Emax) | — 0.446(40%Emax) |
| — 0.891(80%Emax) | — 0.334(30%Emax) |
| — 0.78(70%Emax) | — 0.223(20%Emax) |
| — 0.668(60%Emax) | — 0.111(10%Emax) |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/21 11:56:41

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

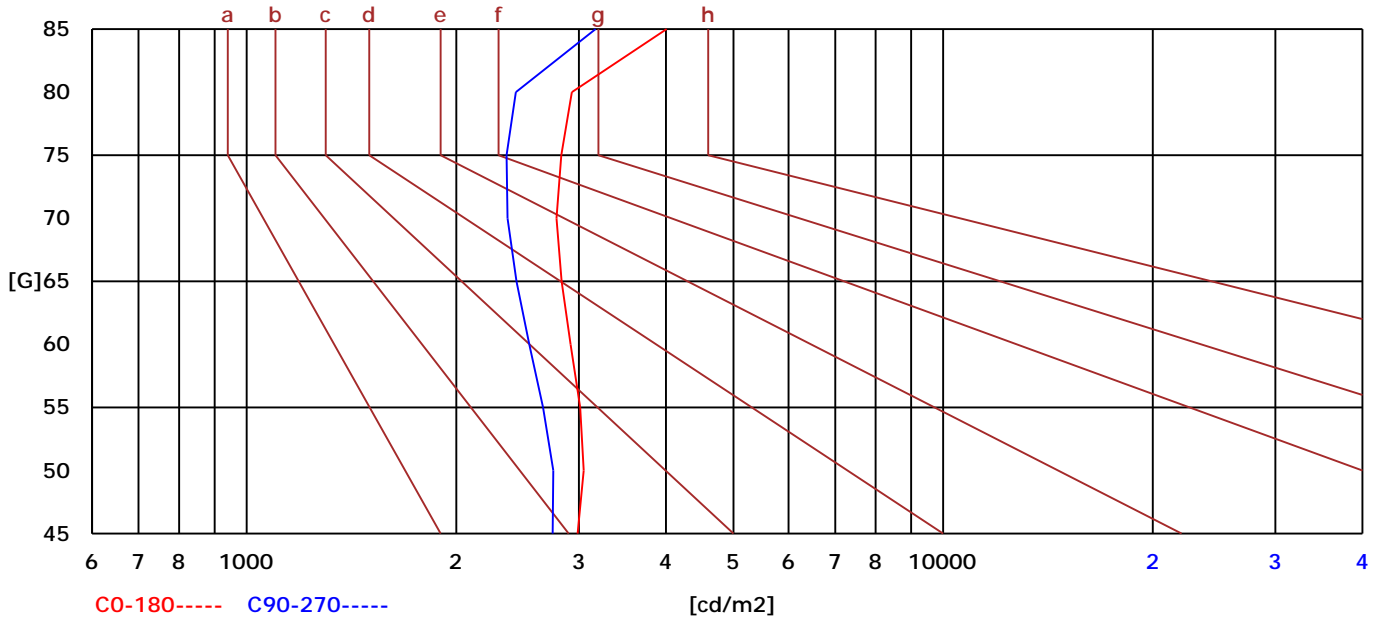
Remarks:

Report No.:

Test Time: 2025/11/21 11:56:41

BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	2987	3049	3012	2920	2833	2787	2830	2930	4011
C90	2752	2757	2665	2547	2442	2370	2362	2435	3171
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



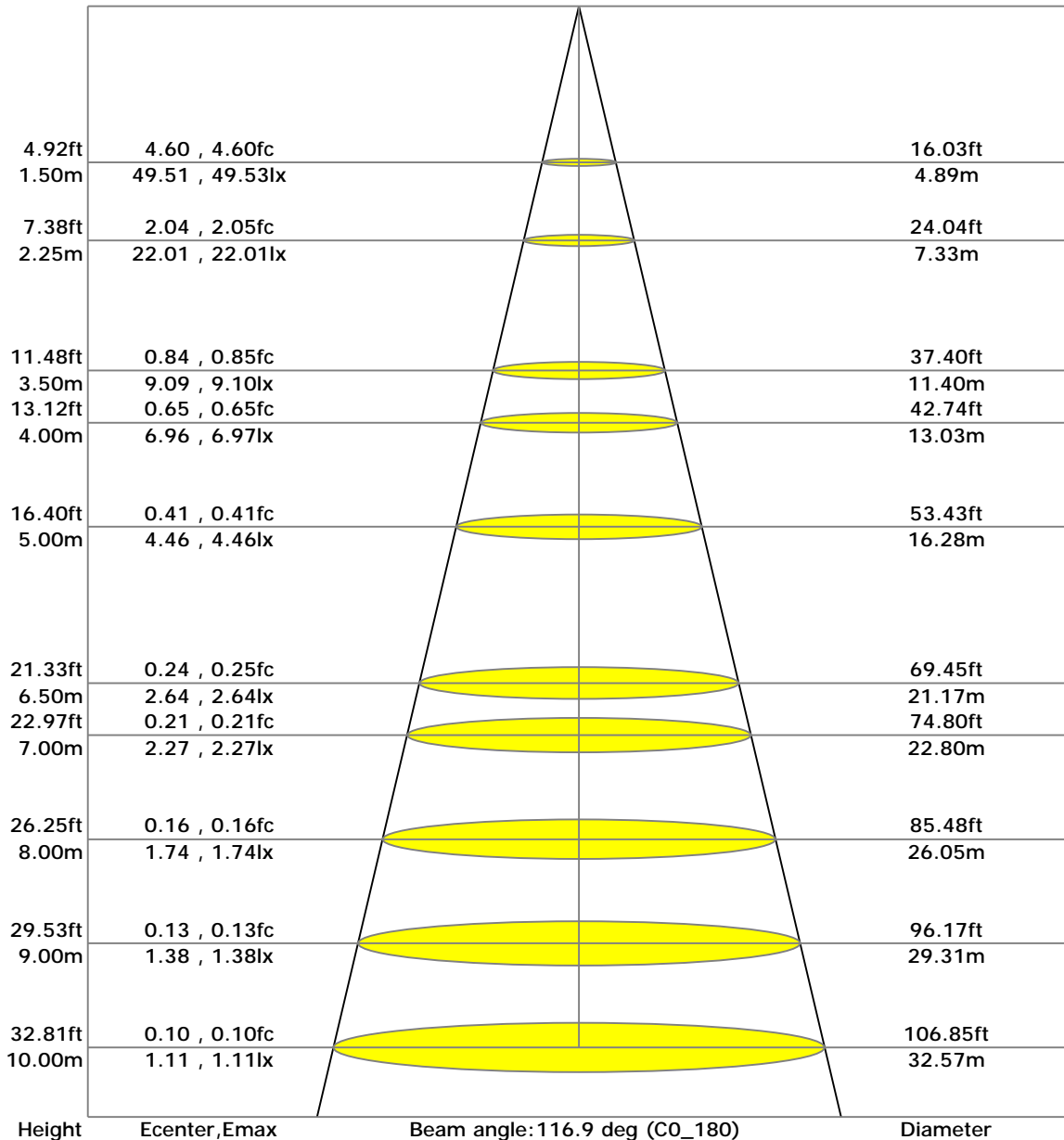
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/21 11:56:41

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: 2025/11/21 11:56:41

LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/21 11:56:41

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

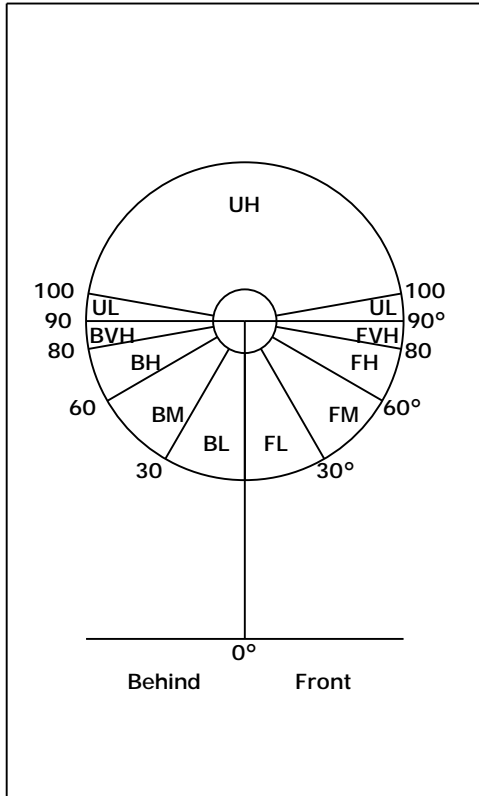
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2025/11/21 11:56:41

BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	177.5	51.1
FL (0°-30°)	43.7	12.6
FM (30°-60°)	89.8	25.9
FH (60°-80°)	36.7	10.6
FVH (80°-90°)	7.3	2.1

Behind	169.7	48.9
BL (0°-30°)	43.0	12.4
BM (30°-60°)	85.4	24.6
BH (60°-80°)	33.7	9.7
BVH (80°-90°)	7.6	2.2

Above	0.0	0.0
UL (90°-100°)	0.0	0.0
UH (100°-180°)	0.0	0.0

Limit Light	NA	NA
-------------	----	----

BUG Class(TM-15-07)	
Asymmetric Lighting Fixtures (Type I , II , III , IV)	B0 U0 G0
Symmetrical Lighting Fixtures (Type V , Area Light)	B0 U0 G0

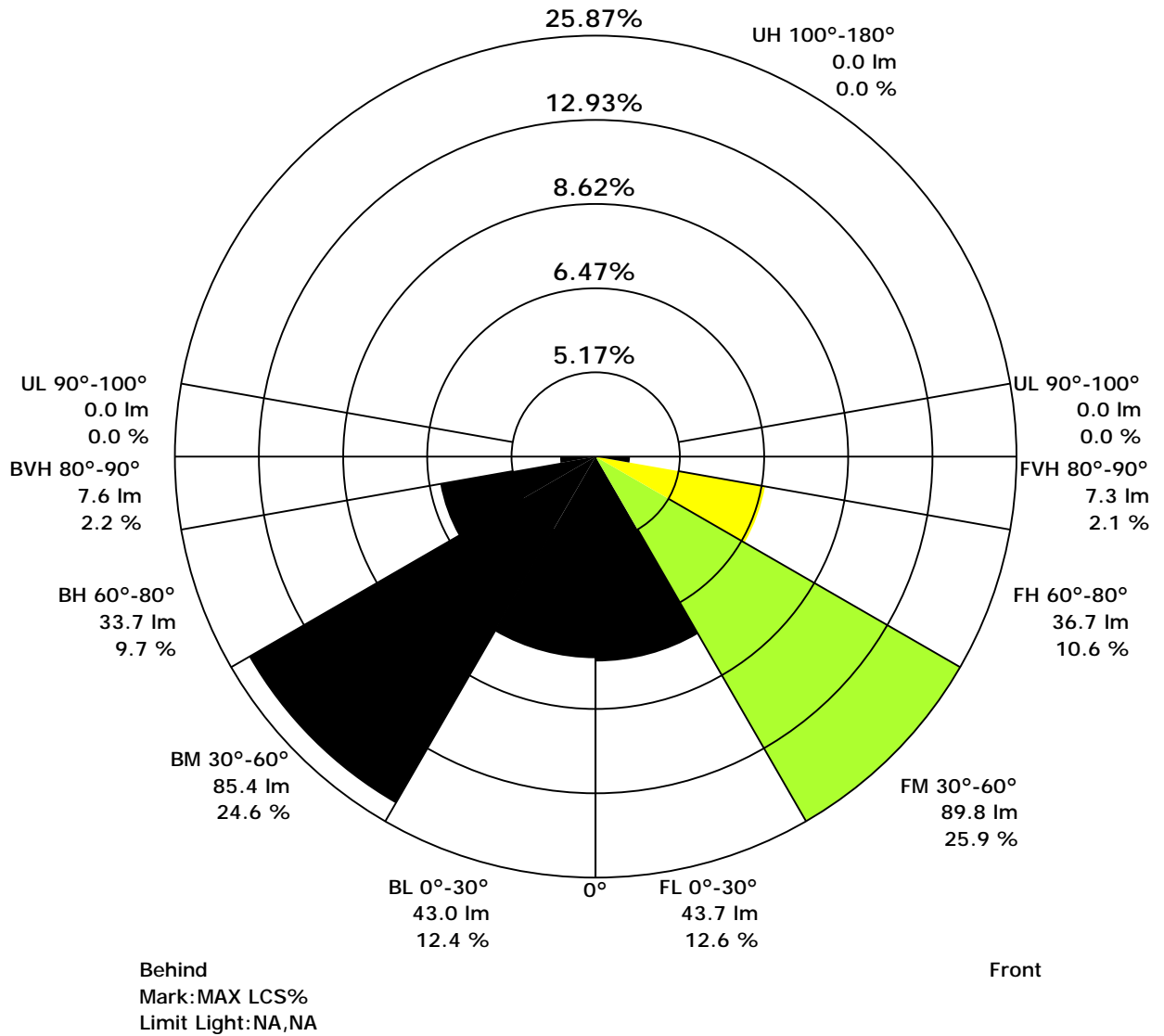
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/21 11:56:41

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: 2025/11/21 11:56:41

LCS 图



C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/21 11:56:41

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: 2025/11/21 11:56:41

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	18.25	19.04	18.00	19.07	19.17	18.30	19.08	18.04	19.11	19.21
	3H	18.03	18.75	17.85	18.83	18.99	18.07	18.79	17.89	18.87	19.03
	4H	17.85	18.53	17.72	18.64	18.84	17.89	18.57	17.76	18.68	18.88
	6H	17.63	18.27	17.55	18.41	18.65	17.67	18.31	17.59	18.46	18.69
	8H	17.51	18.13	17.45	18.28	18.54	17.55	18.17	17.49	18.33	18.58
	12H	17.38	17.98	17.35	18.15	18.43	17.42	18.02	17.39	18.19	18.47
4H	2H	20.51	21.20	20.38	21.31	21.50	20.45	21.13	20.32	21.24	21.44
	3H	20.43	21.02	20.40	21.20	21.48	20.37	20.97	20.34	21.14	21.42
	4H	20.30	20.85	20.33	21.06	21.38	20.25	20.79	20.28	21.00	21.33
	6H	20.12	20.60	20.21	20.85	21.23	20.06	20.55	20.16	20.80	21.17
	8H	20.00	20.45	20.13	20.72	21.13	19.94	20.40	20.07	20.67	21.07
	12H	19.87	20.29	20.04	20.58	21.01	19.81	20.23	19.98	20.52	20.95
8H	4H	21.28	21.90	21.23	22.06	22.32	21.16	21.78	21.11	21.94	22.20
	6H	21.28	21.66	21.49	21.97	22.43	21.22	21.59	21.42	21.91	22.37
	8H	21.23	21.56	21.47	21.89	22.38	21.16	21.49	21.40	21.83	22.32
	12H	21.15	21.43	21.42	21.79	22.31	21.08	21.37	21.36	21.72	22.24
12H	4H	21.70	22.11	21.86	22.40	22.83	21.60	22.02	21.77	22.31	22.74
	6H	21.73	22.06	21.97	22.40	22.89	21.65	21.99	21.89	22.32	22.81

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/21 11:56:41

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: 2025/11/21 11:56:41

ZONAL LUMINOUS FLUX TABLE-2

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	φ zonal	φ total	%lum	%lamp
10	109.8	109.7	110.5	109.3	109.1	108.4	108.2	109.7	10	10.5	10.5	3.0	3.0
20	104.6	105.0	106.4	103.7	102.3	102.5	101.6	104.1	20	30.2	40.7	11.7	11.7
30	97.0	97.3	98.8	94.1	92.9	93.8	92.0	96.4	30	46.0	86.7	25.0	25.0
40	89.3	88.6	89.5	83.4	82.6	83.7	81.7	88.0	40	56.8	143.5	41.3	41.3
50	78.7	78.4	80.0	70.9	67.6	68.5	64.6	75.0	50	61.9	205.5	59.2	59.2
60	58.6	58.4	59.3	50.9	46.4	48.7	45.2	55.3	60	56.5	261.9	75.4	75.4
70	38.6	38.1	37.8	32.4	28.6	31.5	28.6	36.8	70	42.7	304.6	87.8	87.8
80	22.3	20.4	21.1	16.9	15.0	17.6	15.7	21.1	80	27.6	332.3	95.7	95.7
90	11.8	10.4	0.0	8.1	6.4	59.6	8.4	59.4	90	14.9	347.2	100.0	100.0

Conical surface Flux(90deg) : 174.4 lm

%lum = 50.2%

%lamp = 50.2%

Conical surface Flux(120deg) : 261.9 lm

%lum = 75.4%

%lamp = 75.4%

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/21 11:56:41

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

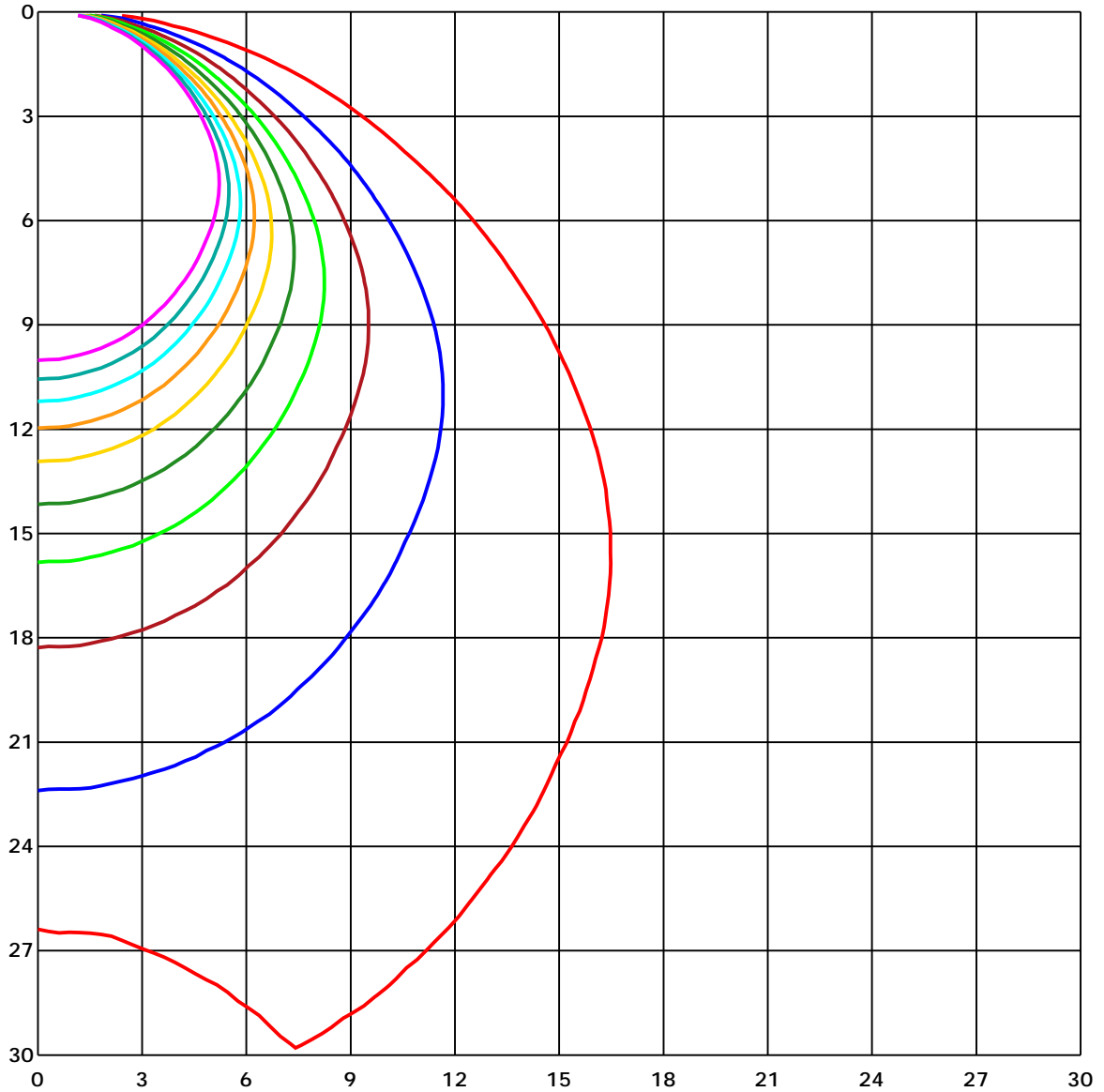
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2025/11/21 11:56:41

SPACE ISOLX DIAGRAM



Unit of illumination: lx

- | | |
|---------|---------|
| — 1.111 | — 0.556 |
| — 1.0 | — 0.444 |
| — 0.889 | — 0.333 |
| — 0.778 | — 0.222 |
| — 0.667 | — 0.111 |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/21 11:56:41

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: 2025/11/21 11:56:41

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma/C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	111.41	111.17	111.13	111.21	111.41	111.17	111.13	111.21	111.41	
G1	111.02	111.02	110.98	111.13	111.09	111.02	111.13	111.09	111.02	
G2	111.25	110.94	110.98	111.09	111.37	110.9	110.59	111.41	111.25	
G3	111.37	111.13	111.25	110.94	111.41	110.82	110.82	110.9	111.37	
G4	111.45	110.43	110.82	111.21	110.94	110.78	110.39	111.13	111.45	
G5	111.02	110.66	111.17	110.7	110.78	110.27	110.12	110.9	111.02	
G6	110.7	110.31	110.7	110.78	110.59	110.31	109.88	110.55	110.7	
G7	110.55	110.31	110.98	110.27	110.39	109.84	109.65	110.63	110.55	
G8	110.2	109.96	111.02	109.88	109.84	109.22	108.91	109.84	110.2	
G9	109.84	110.23	111.02	109.61	109.34	109.06	108.75	109.73	109.84	
G10	109.8	109.73	110.51	109.26	109.06	108.4	108.24	109.73	109.8	
G11	109.14	109.53	110.31	109.18	108.28	107.89	107.77	108.83	109.14	
G12	108.95	108.91	110.51	108.55	107.77	107.38	107.23	108.59	108.95	
G13	108.13	108.83	109.96	108.01	107.38	107.19	106.68	108.01	108.13	
G14	107.97	108.2	109.49	107.58	106.91	106.64	106.17	107.62	107.97	
G15	107.54	107.58	109.26	107.19	106.09	106.05	105.59	106.91	107.54	
G16	107.03	107.3	108.4	106.48	105.55	105.27	104.84	106.68	107.03	
G17	106.13	106.64	108.05	105.78	104.73	104.53	103.98	105.9	106.13	
G18	106.02	106.25	107.19	105.43	103.98	103.75	103.05	105.35	106.02	
G19	105.2	105.66	106.95	104.65	102.93	103.28	102.27	104.65	105.2	
G20	104.61	104.96	106.45	103.71	102.27	102.46	101.6	104.1	104.61	
G21	103.44	104.45	105.98	102.85	101.25	101.76	100.78	103.32	103.44	
G22	103.09	103.95	105.31	102.03	100.66	100.82	99.84	102.77	103.09	
G23	102.19	103.09	104.88	100.98	99.57	100.39	98.75	101.8	102.19	
G24	101.6	102.5	104.02	100.27	98.63	99.38	97.93	101.29	101.6	
G25	100.9	101.64	103.01	98.98	97.66	98.52	96.95	100.27	100.9	
G26	99.92	100.63	102.19	98.13	96.8	97.34	95.98	99.65	99.92	
G27	99.14	99.84	101.68	97.23	95.86	96.8	95.23	98.63	99.14	
G28	98.36	99.06	100.27	96.09	94.57	95.66	94.02	98.09	98.36	
G29	97.85	98.13	99.73	95.16	93.67	94.92	93.2	97.07	97.85	
G30	97.03	97.3	98.83	94.1	92.85	93.79	92.03	96.45	97.03	
G31	96.13	96.41	98.16	93.01	91.72	93.16	91.41	95.51	96.13	
G32	95.55	95.39	96.84	92.03	90.78	92.11	90.23	94.57	95.55	
G33	94.57	94.49	96.25	90.94	89.61	91.13	89.3	93.75	94.57	
G34	93.63	93.83	94.8	89.96	88.55	90.04	87.93	93.05	93.63	
G35	92.7	92.85	94.37	88.71	87.5	89.1	87.23	92.03	92.7	
G36	92.38	91.91	93.13	88.05	86.41	87.93	85.94	91.17	92.38	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/21 11:56:41

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: 2025/11/21 11:56:41

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

GammaC	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	91.33	91.33	92.34	86.6	85.51	86.95	85.2	90.31	91.33	
G38	90.94	90.31	91.72	85.59	84.53	85.9	84.26	89.57	90.94	
G39	89.92	89.49	90.74	84.57	83.52	84.92	83.05	88.79	89.92	
G40	89.26	88.63	89.45	83.44	82.62	83.67	81.68	87.97	89.26	
G41	88.4	87.93	88.91	82.27	81.56	82.77	80.59	87.19	88.4	
G42	87.93	87.07	87.97	81.21	80.59	81.68	79.1	86.21	87.93	
G43	86.99	86.45	87.3	80.12	79.14	80.78	77.97	85.27	86.99	
G44	86.02	85.39	86.09	79.02	77.85	79.06	76.29	84.14	86.02	
G45	85.08	84.49	85.55	77.85	76.21	77.5	74.3	82.89	85.08	
G46	83.95	83.44	84.65	76.76	74.84	76.09	72.46	81.64	83.95	
G47	82.66	82.42	83.87	75.47	72.97	74.41	70.78	80.04	82.66	
G48	81.64	81.09	82.5	74.14	71.25	72.42	68.59	78.36	81.64	
G49	79.88	79.84	81.56	72.42	69.45	70.55	66.72	76.91	79.88	
G50	78.67	78.4	80.04	70.9	67.58	68.48	64.65	75.04	78.67	
G51	76.8	76.76	78.83	68.87	65.47	66.56	62.81	73.13	76.8	
G52	75.12	74.96	76.95	67.38	63.36	64.53	60.59	71.33	75.12	
G53	73.13	73.32	75.27	65.16	61.25	62.54	58.67	69.18	73.13	
G54	71.05	71.09	73.2	63.2	59.02	60.51	56.68	67.5	71.05	
G55	69.02	69.1	71.21	61.13	56.76	58.71	54.84	65.23	69.02	
G56	67.07	67.23	68.67	59.14	54.92	56.37	52.7	63.24	67.07	
G57	64.88	65.04	66.52	56.95	52.77	54.53	51.02	61.29	64.88	
G58	63.01	62.85	64.1	55.0	50.51	52.42	48.95	59.18	63.01	
G59	60.74	60.66	61.91	52.85	48.32	50.55	47.11	57.23	60.74	
G60	58.63	58.4	59.34	50.94	46.37	48.67	45.23	55.31	58.63	
G61	56.33	56.33	57.07	48.67	44.34	46.68	43.48	53.32	56.33	
G62	54.53	54.22	54.84	46.95	42.58	44.96	41.64	51.41	54.53	
G63	52.46	52.03	52.42	44.92	40.55	43.16	40.31	49.45	52.46	
G64	50.55	49.96	50.08	43.05	38.83	41.25	38.24	47.34	50.55	
G65	48.55	47.89	48.13	41.29	36.91	39.45	36.64	45.47	48.55	
G66	46.41	45.9	45.94	39.3	35.16	37.85	34.96	43.67	46.41	
G67	44.22	44.06	43.87	37.46	33.36	36.09	33.4	41.99	44.22	
G68	42.19	41.95	41.68	35.86	31.84	34.41	31.76	40.12	42.19	
G69	40.08	40.12	39.8	34.06	30.16	32.93	30.31	38.44	40.08	
G70	38.55	38.13	37.81	32.42	28.59	31.48	28.55	36.8	38.55	
G71	36.84	36.29	36.02	30.78	26.99	29.88	27.03	35.12	36.84	
G72	35.23	34.38	34.34	29.38	25.59	28.44	25.59	33.32	35.23	
G73	33.55	32.73	32.54	27.7	23.98	26.95	24.34	31.72	33.55	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/21 11:56:41

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

Remarks:

