

Report No.:

Test Time: 2025/11/15 9:00:56

## LUMINAIRE PHOTOMETRIC TEST REPORT

### Luminaire Property

Manufacturer: 0  
 Luminaire Type: 61061LEDDCS-ABB/ALB  
 Lamp Type:  
 Luminous Width: 0 mm  
 Luminous Length: 0 mm  
 Luminous Height: 0 mm

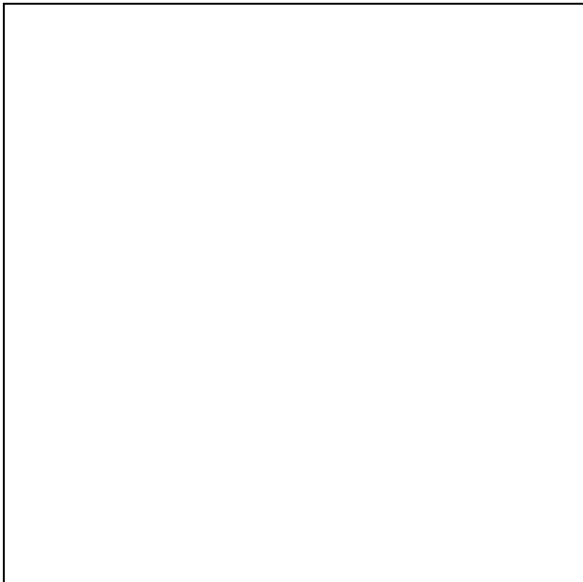
Voltage(V): 119.10 V  
 Current(A): 0.1180 A  
 Power(W): 13.82 W  
 Power Factor: 0.9790  
 Lamp Luminous Flux: 717.31

### Photometric Results

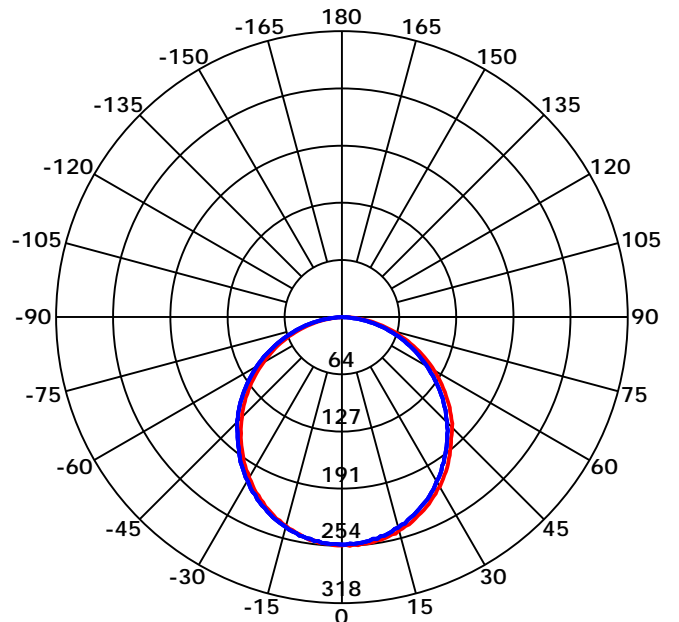
CIE Class: Direct  
 Luminaire Luminous Flux: 717.3084 lm  
 Downward Ratio: 100.00%  
 Luminaire Efficacy Rating(LER): 51.90 lm/W  
 Beam Angle(50%) C0-180,C90-270: 111.0,111.1  
 Field Angle(10%) C0-180,C90-270: 163.0,162.7  
 S/MH C0-180,C90-270: 1.250,1.250

Max. Intensity: 254.30 cd  
 Max.Intensity Angle: C=0 Gamma=4  
 Upward Ratio: 0.00%  
 Efficacy: 100.00%  
 Center Intensity: 253.95 cd  
 Effective Luminous Flux: 707.67 lm  
 ERP( $\varphi$ use)(120deg): 561.76 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 111.0 deg,111.1 deg

Average Beam Angle:111.0 deg

C0-180 ——— C90-270 ———

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/15 9:00:56

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

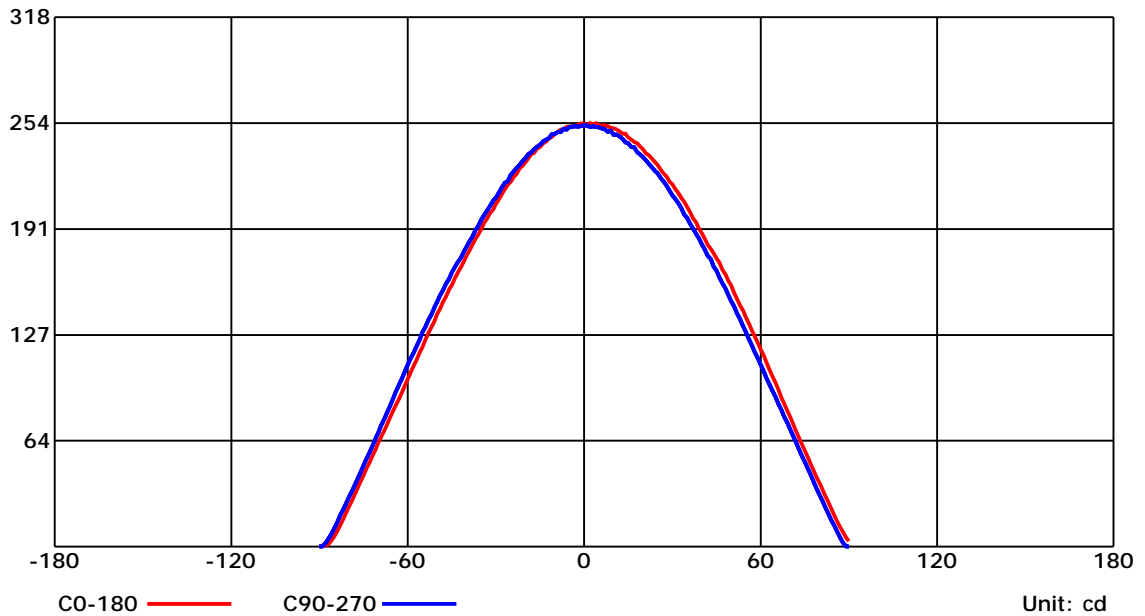
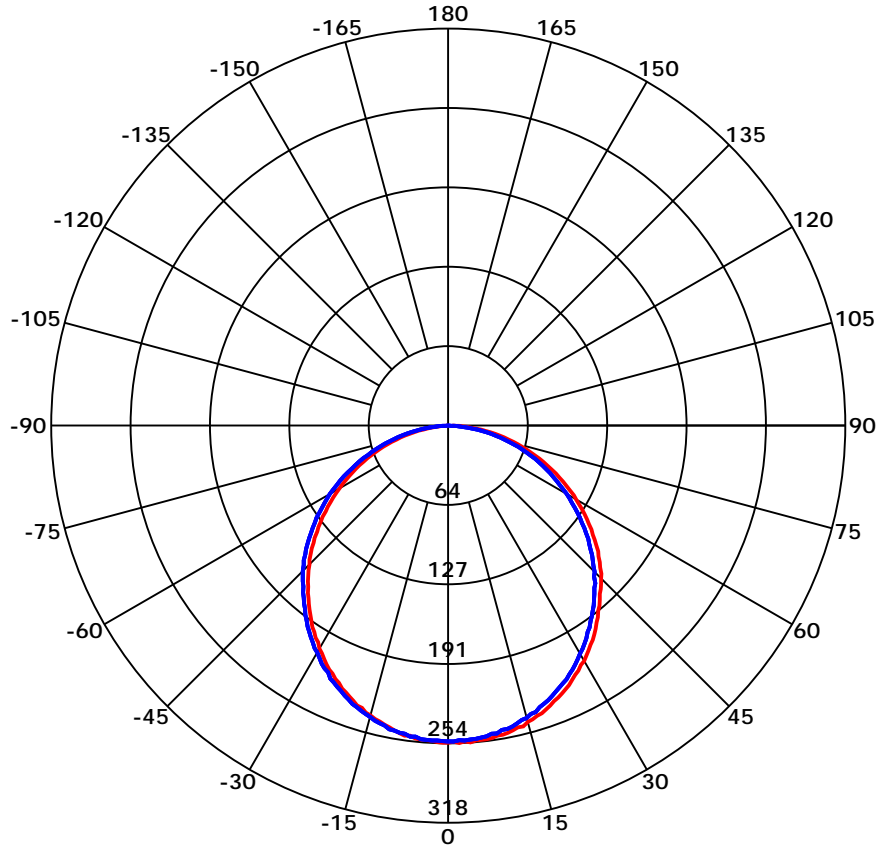
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2025/11/15 9:00:56

## Luminous Intensity Distribution Curve



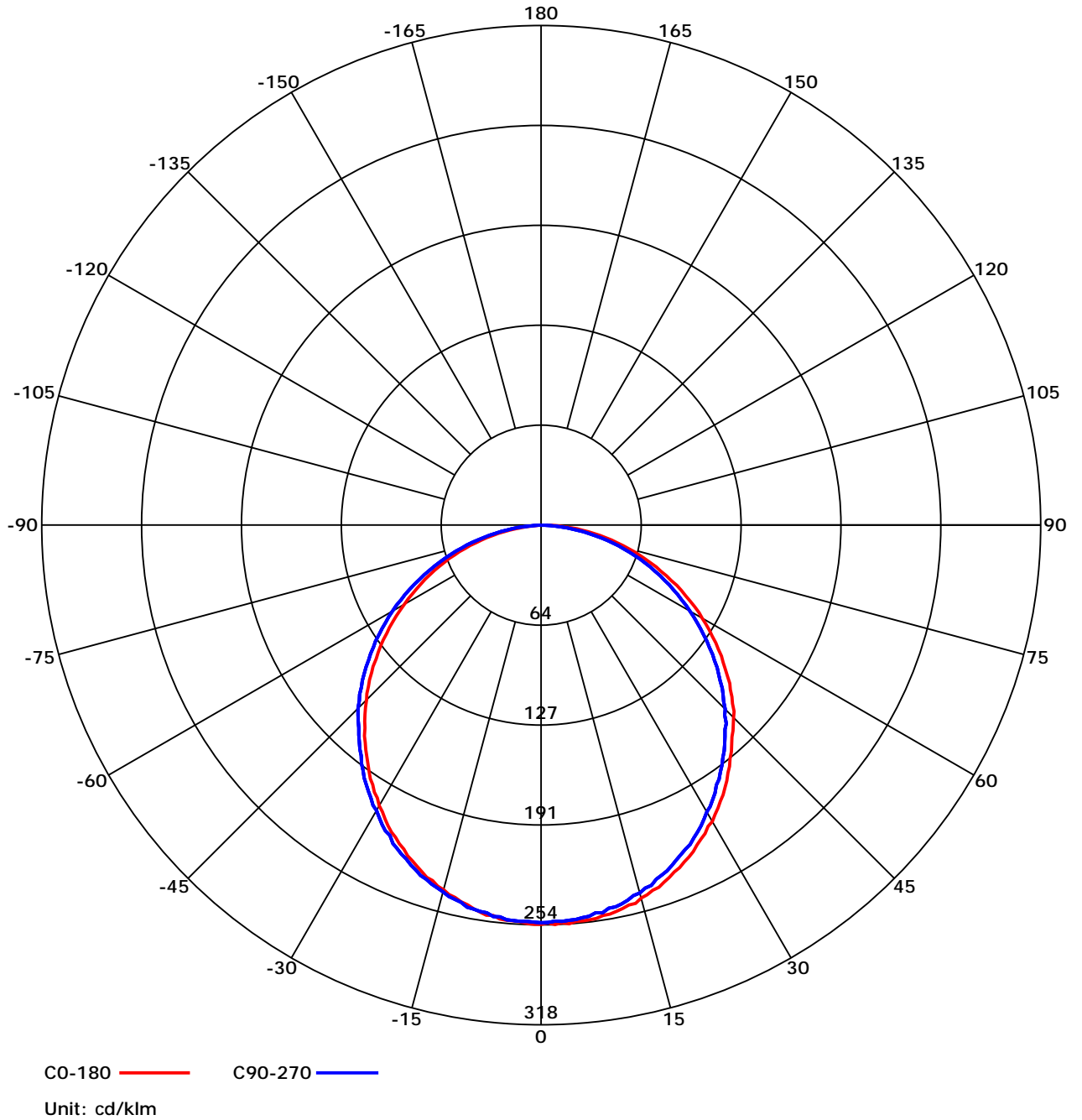
C Range: 0 - 360 Deg  
 C Interval: 45.0 Deg  
 Test Speed: High  
 Temperature: 25  
 Operators:  
 Test Date: 2025/11/15 9:00:56

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: 2025/11/15 9:00:56

## Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg  
 C Interval: 45.0 Deg  
 Test Speed: High  
 Temperature: 25  
 Operators:  
 Test Date: 2025/11/15 9:00:56

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

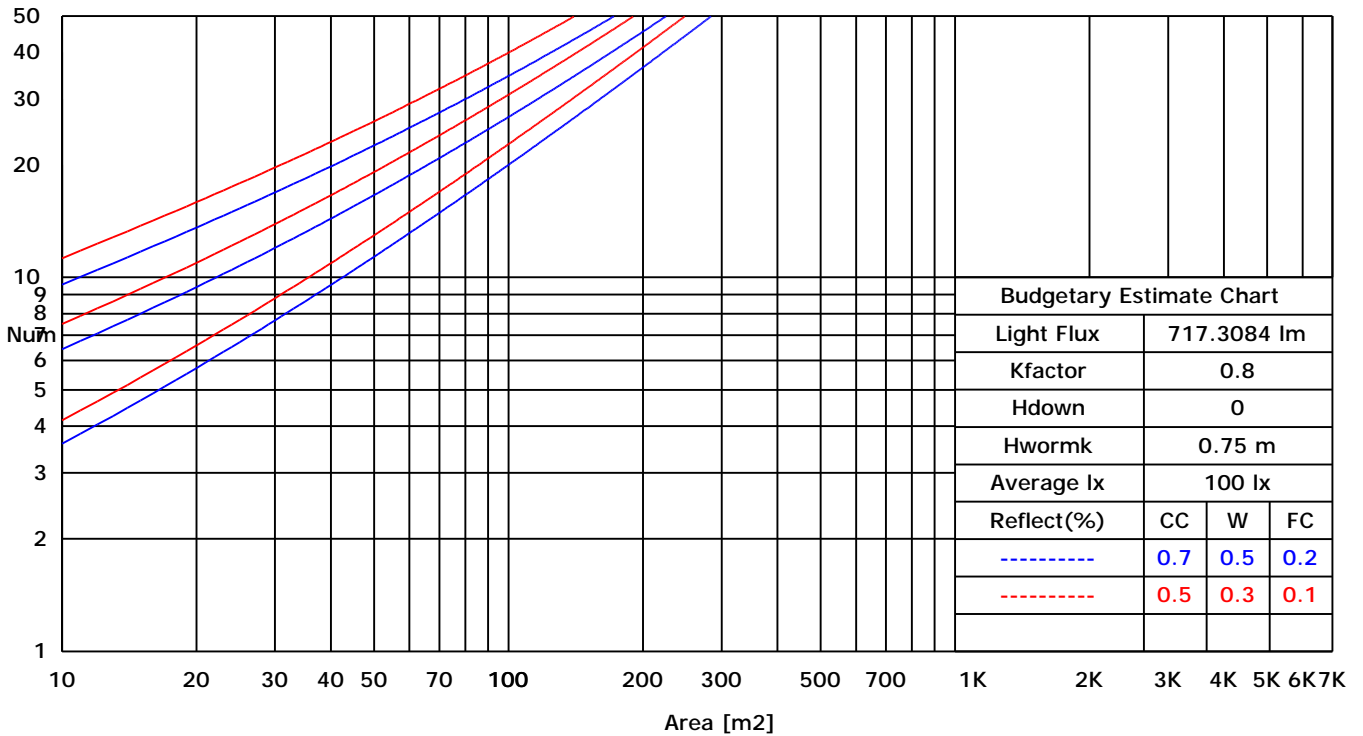
Report No.:

Test Time: 2025/11/15 9:00:56

### 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	1.17	1.17	1.17	1.14	1.14	1.14	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.98
1	1.04	1.02	1.01	1.02	1.00	0.99	0.99	0.97	0.95	0.94	0.92	0.90	0.87	0.85	0.83	0.78
2	0.88	0.85	0.83	0.87	0.84	0.82	0.85	0.81	0.79	0.82	0.78	0.75	0.77	0.73	0.70	0.65
3	0.75	0.72	0.70	0.75	0.71	0.69	0.74	0.69	0.66	0.71	0.67	0.63	0.68	0.63	0.59	0.55
4	0.65	0.62	0.60	0.65	0.61	0.59	0.65	0.60	0.56	0.63	0.58	0.54	0.61	0.55	0.51	0.47
5	0.56	0.54	0.52	0.57	0.53	0.51	0.57	0.52	0.49	0.57	0.51	0.46	0.55	0.49	0.44	0.40
6	0.50	0.47	0.45	0.50	0.47	0.44	0.51	0.46	0.43	0.51	0.45	0.41	0.50	0.44	0.39	0.35
7	0.44	0.42	0.40	0.45	0.42	0.39	0.46	0.41	0.38	0.46	0.40	0.36	0.46	0.39	0.34	0.31
8	0.40	0.37	0.36	0.41	0.37	0.35	0.42	0.37	0.34	0.42	0.36	0.32	0.42	0.36	0.31	0.28
9	0.36	0.34	0.32	0.37	0.34	0.31	0.38	0.33	0.30	0.39	0.33	0.29	0.39	0.33	0.28	0.25
10	0.33	0.30	0.29	0.34	0.30	0.29	0.35	0.31	0.27	0.36	0.30	0.26	0.36	0.30	0.25	0.23

### LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



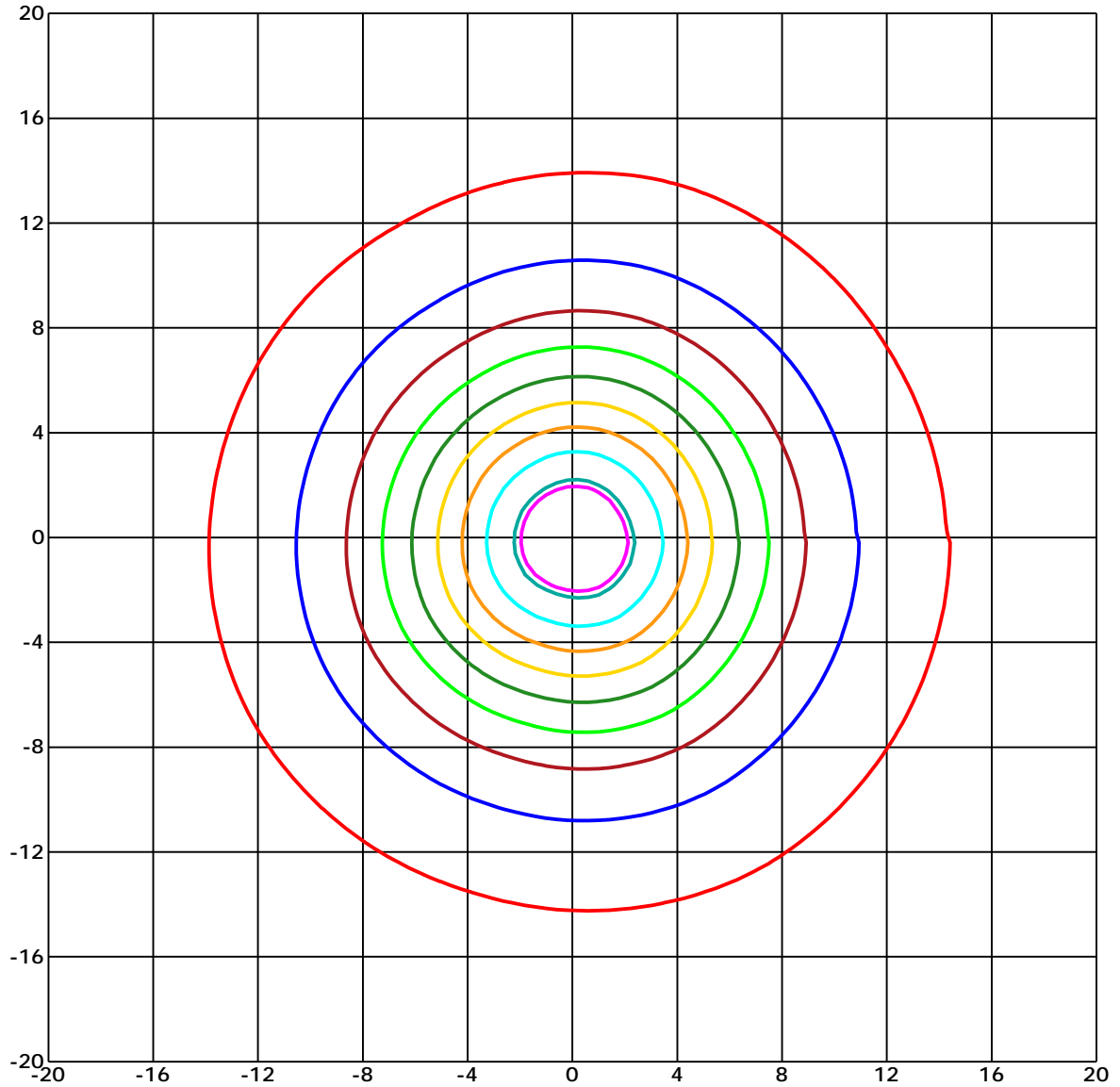
C Range: 0 - 360 Deg  
 C Interval: 45.0 Deg  
 Test Speed: High  
 Temperature: 25  
 Operators:  
 Test Date: 2025/11/15 9:00:56

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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## ISOLX DIAGRAM



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

- |                  |                  |
|------------------|------------------|
| — 2.336(92%Emax) | — 1.27(50%Emax)  |
| — 2.286(90%Emax) | — 1.016(40%Emax) |
| — 2.032(80%Emax) | — 0.762(30%Emax) |
| — 1.778(70%Emax) | — 0.508(20%Emax) |
| — 1.524(60%Emax) | — 0.254(10%Emax) |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/15 9:00:56

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

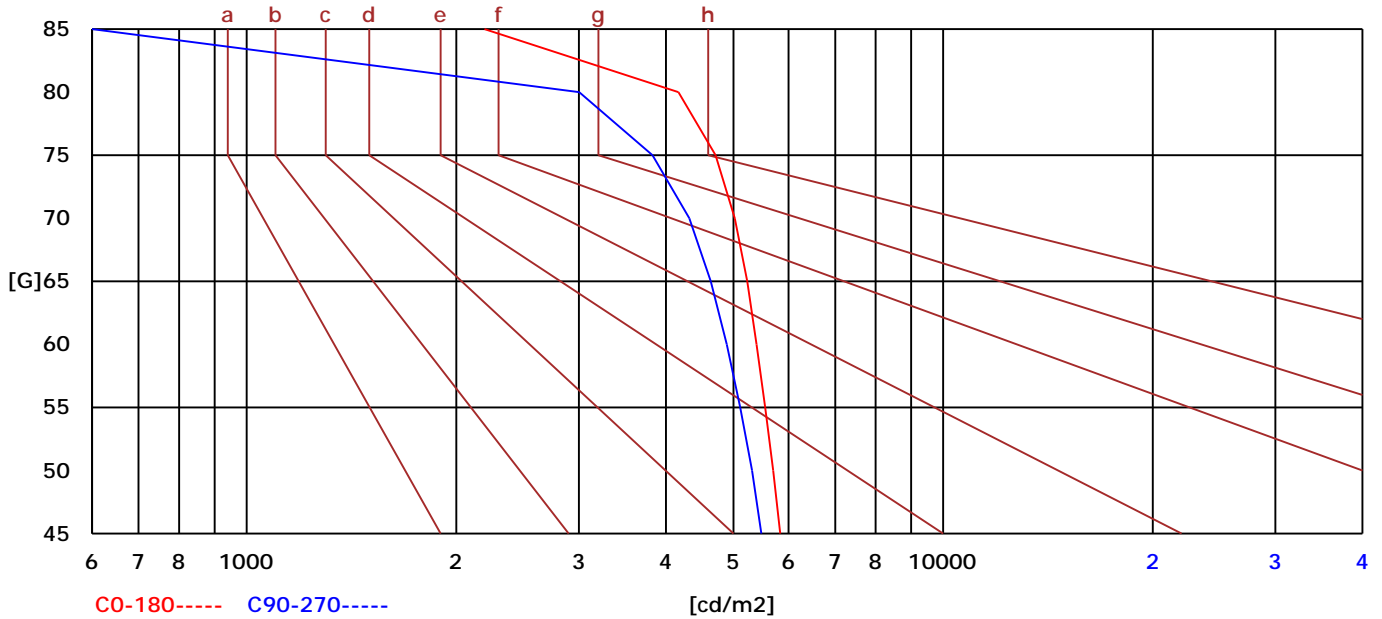
Remarks:

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Test Time: 2025/11/15 9:00:56

### BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	5836	5703	5556	5398	5236	5022	4716	4167	2196
C90	5484	5320	5111	4891	4638	4323	3826	3003	426
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



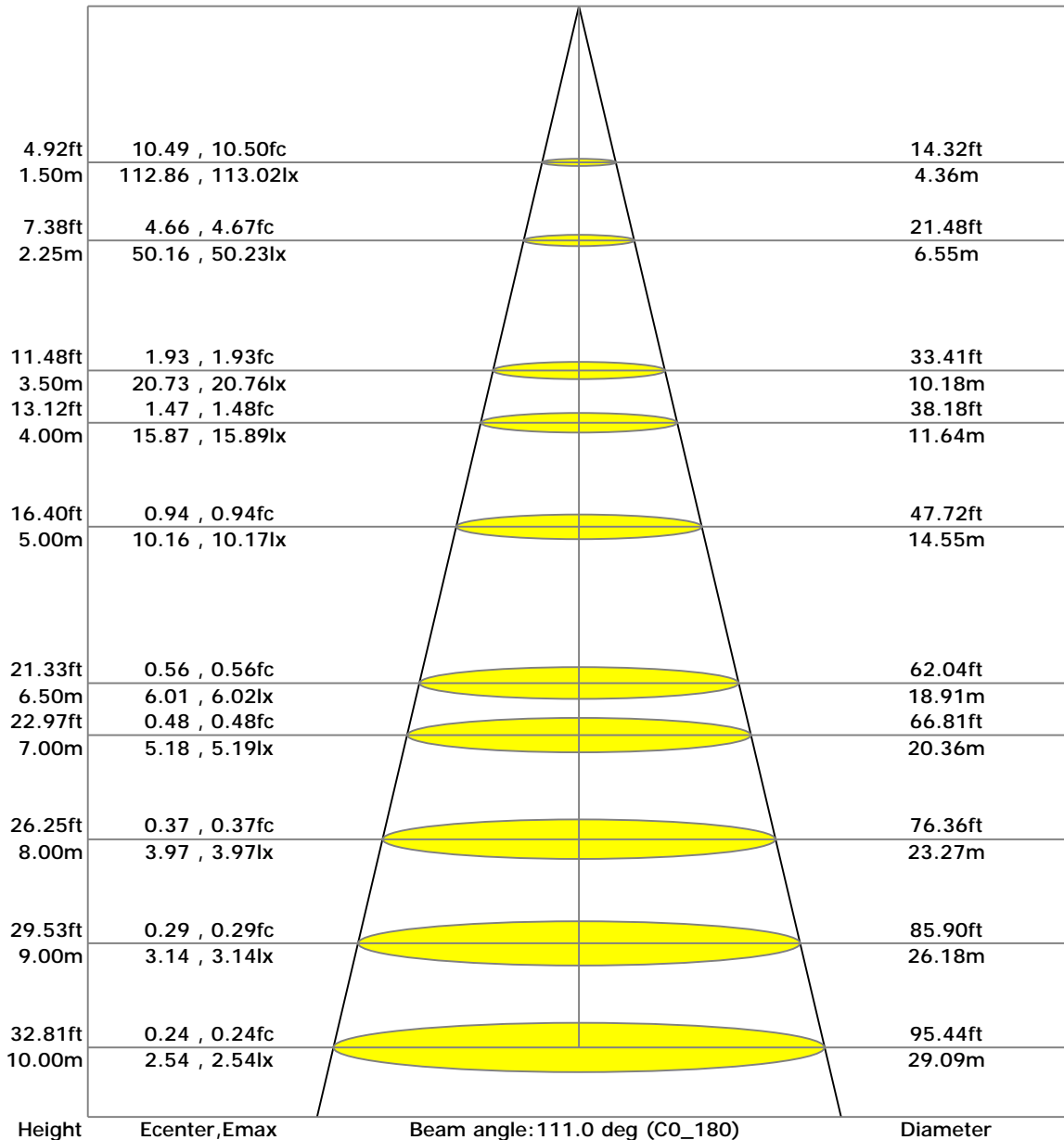
C Range: 0 - 360 Deg  
 C Interval: 45.0 Deg  
 Test Speed: High  
 Temperature: 25  
 Operators:  
 Test Date: 2025/11/15 9:00:56

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: 2025/11/15 9:00:56

## LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/15 9:00:56

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

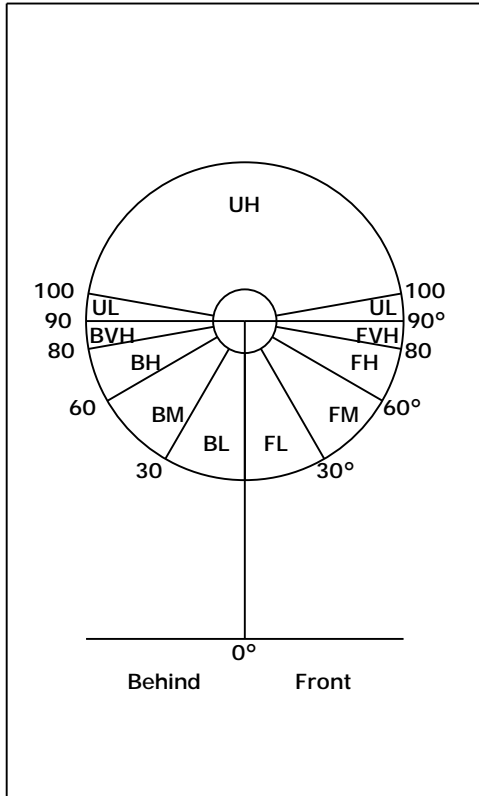
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2025/11/15 9:00:56

### BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	350.8	48.9
FL (0°-30°)	97.3	13.6
FM (30°-60°)	179.8	25.1
FH (60°-80°)	67.9	9.5
FVH (80°-90°)	5.8	0.8

Behind	366.5	51.1
BL (0°-30°)	98.4	13.7
BM (30°-60°)	186.2	26.0
BH (60°-80°)	73.5	10.2
BVH (80°-90°)	8.4	1.2

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 G0
Symmetrical Lighting Fixtures (Type V , Area Light)	B0 U0 G0

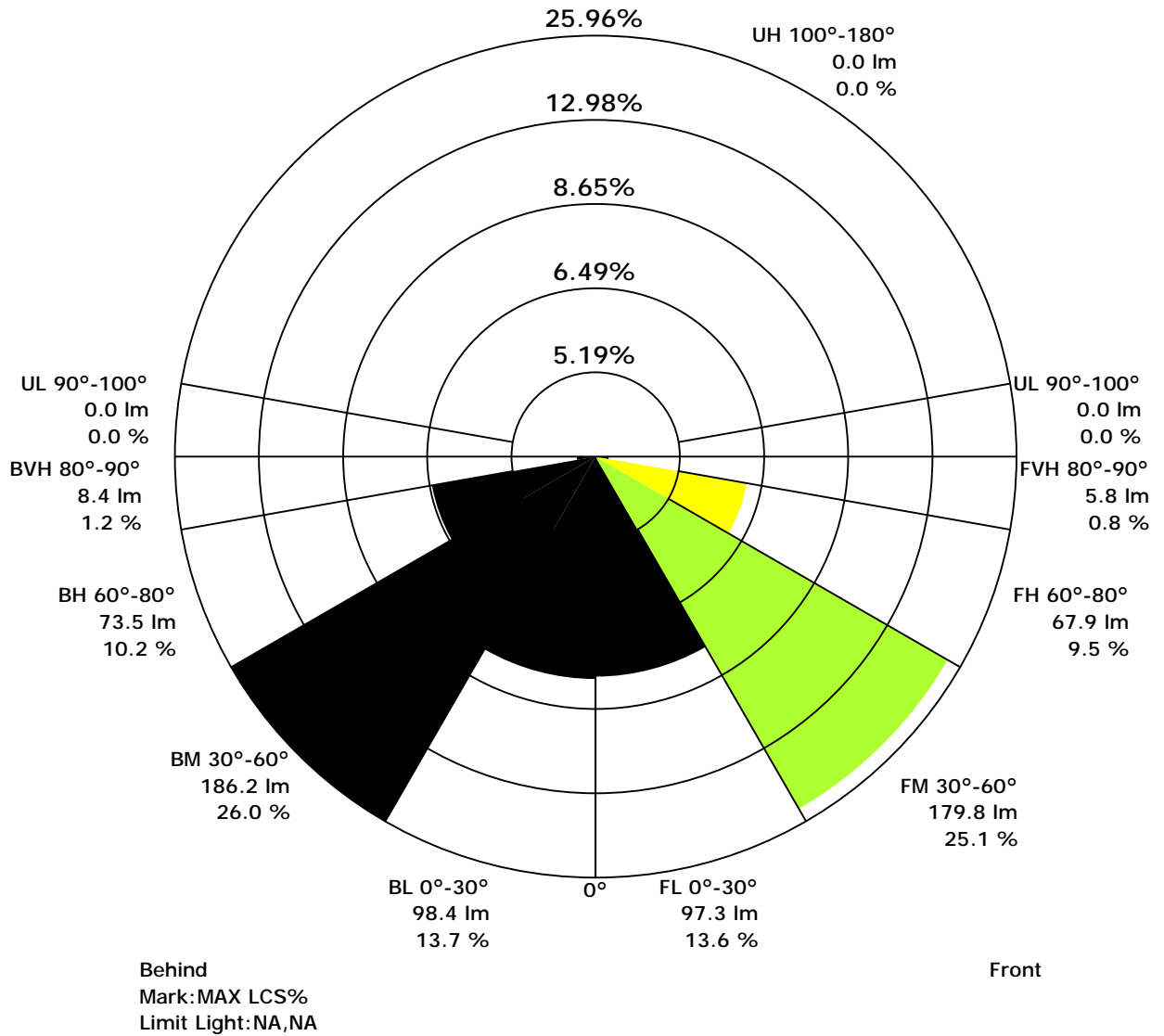
C Range: 0 - 360 Deg  
 C Interval: 45.0 Deg  
 Test Speed: High  
 Temperature: 25  
 Operators:  
 Test Date: 2025/11/15 9:00:56

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: 2025/11/15 9:00:56

### LCS 图



C Range: 0 - 360 Deg  
 C Interval: 45.0 Deg  
 Test Speed: High  
 Temperature: 25  
 Operators:  
 Test Date: 2025/11/15 9:00:56

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: 2025/11/15 9:00:56

## 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	20.01	20.76	19.78	20.82	20.94	19.95	20.70	19.72	20.75	20.87
	3H	19.78	20.47	19.63	20.57	20.75	19.72	20.41	19.56	20.51	20.69
	4H	19.60	20.26	19.49	20.39	20.60	19.54	20.19	19.43	20.32	20.54
	6H	19.38	20.00	19.32	20.16	20.41	19.32	19.94	19.25	20.09	20.34
	8H	19.26	19.86	19.22	20.03	20.30	19.20	19.79	19.16	19.97	20.24
	12H	19.13	19.71	19.12	19.90	20.19	19.07	19.65	19.06	19.84	20.13
4H	2H	22.15	22.81	22.04	22.94	23.15	22.02	22.68	21.91	22.81	23.02
	3H	22.02	22.60	22.01	22.79	23.08	21.91	22.49	21.90	22.68	22.97
	4H	21.88	22.40	21.92	22.62	22.96	21.77	22.29	21.81	22.52	22.85
	6H	21.67	22.14	21.77	22.39	22.78	21.56	22.03	21.66	22.28	22.67
	8H	21.54	21.98	21.68	22.26	22.67	21.43	21.87	21.57	22.15	22.56
	12H	21.41	21.81	21.58	22.11	22.55	21.30	21.70	21.47	22.00	22.43
8H	4H	22.62	23.22	22.58	23.39	23.66	22.39	22.98	22.35	23.16	23.43
	6H	22.32	22.68	22.53	23.00	23.47	22.16	22.53	22.37	22.84	23.31
	8H	22.21	22.53	22.45	22.87	23.37	22.05	22.38	22.30	22.71	23.21
	12H	22.08	22.36	22.37	22.72	23.25	21.92	22.20	22.21	22.56	23.09
12H	4H	22.52	22.92	22.69	23.22	23.66	22.32	22.73	22.50	23.02	23.46
	6H	22.37	22.70	22.62	23.03	23.53	22.20	22.53	22.45	22.87	23.36

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/15 9:00:56

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: 2025/11/15 9:00:56

### ZONAL LUMINOUS FLUX TABLE-2

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	φ zonal	φ total	%lum	%lamp
10	251.3	248.1	247.5	247.3	247.8	248.4	247.9	251.1	10	24.0	24.0	3.3	3.3
20	238.5	234.4	234.0	229.8	230.9	234.8	233.4	240.7	20	68.5	92.4	12.9	12.9
30	217.7	211.3	210.8	204.2	206.1	212.3	209.7	221.1	30	103.3	195.7	27.3	27.3
40	188.2	181.1	181.6	172.2	174.9	182.6	180.0	193.4	40	123.6	319.3	44.5	44.5
50	156.6	146.6	147.2	136.8	139.8	147.6	147.1	159.1	50	127.5	446.8	62.3	62.3
60	118.2	108.0	109.3	97.8	100.5	109.7	109.2	121.3	60	115.0	561.8	78.3	78.3
70	77.9	68.7	70.3	59.1	62.4	70.0	68.4	80.9	70	88.6	650.4	90.7	90.7
80	38.0	28.9	31.1	20.9	23.9	31.4	29.6	40.9	80	52.8	703.2	98.0	98.0
90	3.3	0.0	0.0	0.0	0.2	1.3	0.0	5.5	90	14.2	717.3	100.0	100.0

Conical surface Flux(90deg) : 383.5 lm

%lum = 53.5%

%lamp = 53.5%

Conical surface Flux(120deg) : 561.8 lm

%lum = 78.3%

%lamp = 78.3%

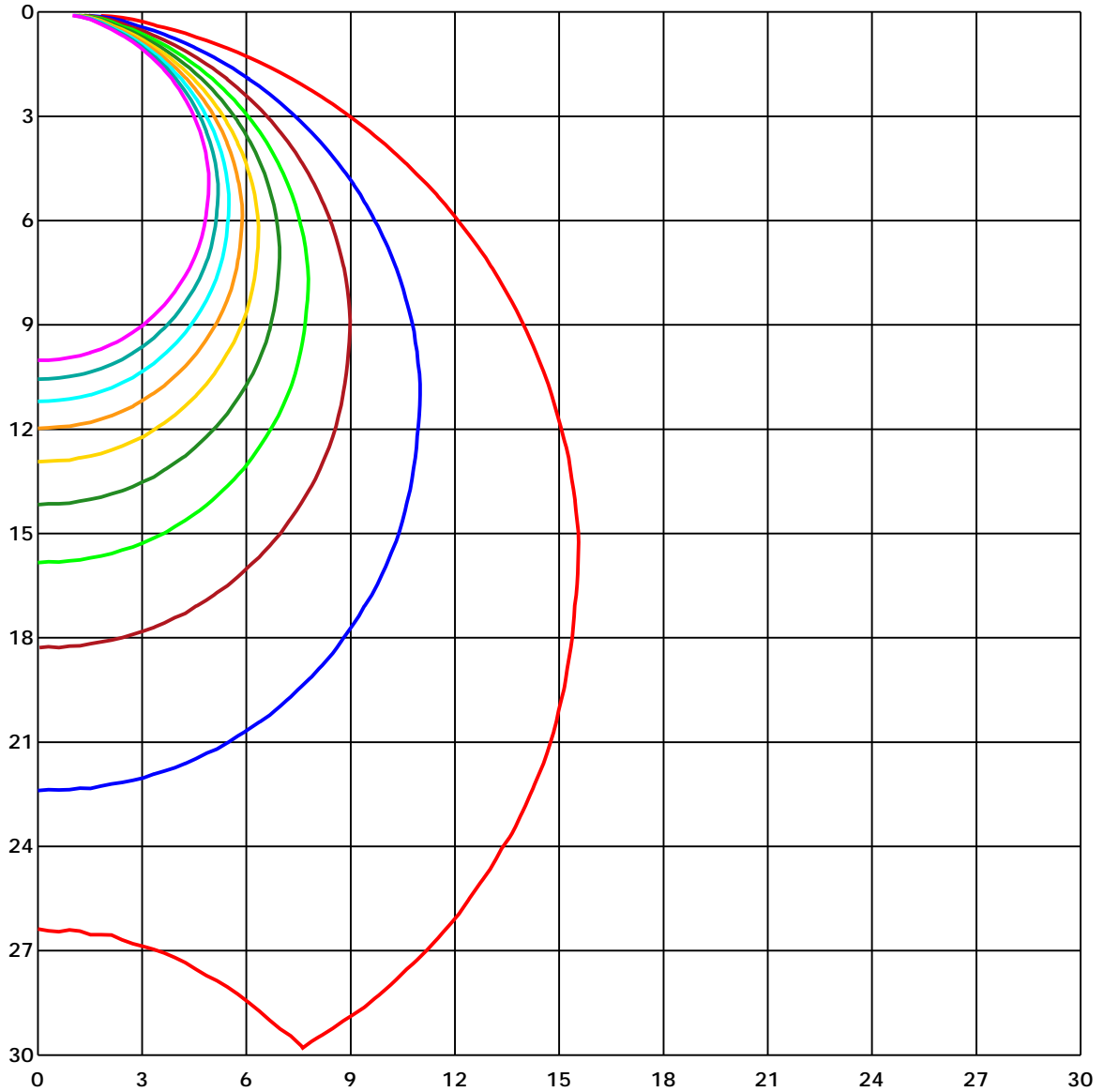
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 Test Speed: High  
 Temperature: 25  
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G Range: 0 - 90 Deg  
 G Interval: 1.0 Deg  
 Test System: Huipu CPM-2000B Goniophotometer  
 Humidity: 65  
 Test Distance: 6.25 m  
 Remarks:

Report No.:

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## SPACE ISOLX DIAGRAM



Unit of illumination: lx

- |         |         |
|---------|---------|
| — 2.531 | — 1.266 |
| — 2.278 | — 1.013 |
| — 2.025 | — 0.759 |
| — 1.772 | — 0.506 |
| — 1.519 | — 0.253 |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/15 9:00:56

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: 2025/11/15 9:00:56

## LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	253.95	252.38	252.89	253.24	253.95	252.38	252.89	253.24	253.95	
G1	253.16	253.32	252.85	253.09	254.02	252.77	252.58	253.09	253.16	
G2	254.3	253.24	251.99	253.4	253.63	252.11	252.23	252.97	254.3	
G3	253.28	252.15	252.34	251.88	252.73	252.7	252.34	253.13	253.28	
G4	254.3	251.56	252.03	251.48	252.34	252.19	252.11	253.59	254.3	
G5	253.05	252.19	251.84	250.59	252.3	251.76	251.99	253.59	253.05	
G6	253.05	251.05	251.09	250.51	251.95	251.02	250.47	252.89	253.05	
G7	253.01	250.7	250.63	250.23	250.2	250.59	250.82	252.42	253.01	
G8	252.58	250.31	249.06	248.67	250.55	250.0	249.02	251.91	252.58	
G9	251.37	249.18	249.61	246.99	249.18	250.16	248.87	251.17	251.37	
G10	251.25	248.13	247.46	247.34	247.77	248.36	247.89	251.05	251.25	
G11	250.43	247.73	247.46	244.96	246.05	247.58	247.62	250.31	250.43	
G12	249.26	246.02	246.33	244.06	245.0	246.8	245.31	249.65	249.26	
G13	247.97	244.61	244.88	242.42	243.16	246.48	244.38	248.87	247.97	
G14	248.05	243.63	242.81	240.86	242.23	243.95	243.36	248.16	248.05	
G15	245.59	242.93	242.27	238.98	240.16	242.97	241.52	246.56	245.59	
G16	244.57	241.02	240.12	237.38	238.98	241.72	240.0	245.78	244.57	
G17	242.93	240.08	239.69	235.51	236.37	239.57	238.75	243.83	242.93	
G18	242.19	238.09	236.91	233.71	235.63	237.93	236.91	243.59	242.19	
G19	240.23	236.48	235.43	231.99	233.09	236.72	235.63	241.37	240.23	
G20	238.48	234.38	233.98	229.8	230.94	234.8	233.4	240.74	238.48	
G21	236.25	232.07	231.95	227.15	228.75	233.16	231.64	239.02	236.25	
G22	234.92	230.66	229.73	225.12	226.99	231.45	229.14	237.3	234.92	
G23	232.89	228.95	227.7	223.24	223.83	229.65	227.38	235.47	232.89	
G24	231.02	226.45	225.66	220.59	221.95	227.07	225.2	234.02	231.02	
G25	229.14	223.91	224.18	217.42	219.1	224.77	223.44	232.03	229.14	
G26	226.37	221.6	221.37	215.35	217.34	222.3	219.61	229.8	226.37	
G27	224.02	219.73	219.1	212.34	214.57	220.2	218.28	227.85	224.02	
G28	222.15	217.3	216.68	209.53	211.68	217.62	215.74	225.9	222.15	
G29	219.06	214.8	213.83	206.8	208.48	215.55	212.66	223.36	219.06	
G30	217.66	211.25	210.78	204.18	206.13	212.27	209.69	221.09	217.66	
G31	214.77	208.87	208.71	200.86	202.42	209.92	207.89	218.59	214.77	
G32	212.15	205.82	205.98	198.05	200.39	207.23	204.57	216.29	212.15	
G33	209.3	203.36	203.2	194.92	196.95	204.45	201.88	213.28	209.3	
G34	206.99	199.73	199.38	192.11	194.53	201.56	199.06	211.33	206.99	
G35	203.95	197.7	197.42	188.75	190.94	198.79	196.41	208.01	203.95	
G36	200.98	194.38	193.91	185.94	187.62	195.39	192.89	205.55	200.98	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/15 9:00:56

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: 2025/11/15 9:00:56

### LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

GammaC	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	197.3	191.68	191.05	182.3	184.45	192.89	189.92	202.66	197.3	
G38	194.77	188.16	187.81	179.34	181.29	189.84	186.13	199.69	194.77	
G39	190.98	184.88	185.08	175.47	177.89	186.68	183.4	196.72	190.98	
G40	188.2	181.13	181.56	172.23	174.92	182.58	180.04	193.4	188.2	
G41	184.88	178.28	178.36	168.95	171.05	179.8	176.99	189.77	184.88	
G42	181.33	175.16	174.8	165.63	167.89	176.41	173.44	186.56	181.33	
G43	178.87	172.11	172.62	161.88	164.45	173.59	170.63	183.55	178.87	
G44	176.05	168.4	168.05	158.28	161.05	168.87	167.77	180.12	176.05	
G45	173.05	165.08	165.7	155.12	157.07	165.74	164.84	176.88	173.05	
G46	170.59	161.41	161.41	151.84	154.3	161.84	160.78	173.59	170.59	
G47	166.37	158.16	158.2	147.73	150.31	158.55	158.01	169.61	166.37	
G48	163.36	154.26	155.0	144.41	146.91	154.92	153.95	166.64	163.36	
G49	159.53	150.39	150.94	140.47	142.93	151.21	150.9	162.85	159.53	
G50	156.6	146.64	147.23	136.8	139.8	147.58	147.11	159.1	156.6	
G51	152.34	142.89	144.1	132.73	135.08	143.95	143.4	155.35	152.34	
G52	148.63	139.18	139.92	129.22	131.8	140.04	139.3	151.8	148.63	
G53	144.96	135.43	136.6	125.04	128.01	136.6	135.94	147.97	144.96	
G54	141.76	131.29	132.34	121.17	124.3	132.62	131.88	144.77	141.76	
G55	137.5	127.46	128.71	117.27	119.73	128.87	128.75	140.51	137.5	
G56	134.02	123.32	124.65	113.59	116.45	124.88	124.3	137.03	134.02	
G57	129.88	119.57	120.86	109.3	112.27	121.68	120.63	133.01	129.88	
G58	126.29	116.13	116.91	105.55	108.75	117.42	116.8	129.53	126.29	
G59	122.19	112.19	113.05	101.48	104.57	113.59	113.09	125.43	122.19	
G60	118.24	107.97	109.26	97.81	100.47	109.69	109.18	121.29	118.24	
G61	114.88	104.26	105.35	93.87	96.68	105.94	105.35	117.42	114.88	
G62	110.51	100.0	101.13	90.0	92.62	101.95	100.94	113.83	110.51	
G63	106.25	96.25	97.46	86.09	88.87	98.28	97.23	109.49	106.25	
G64	102.15	92.19	93.36	82.46	85.0	93.87	93.05	105.63	102.15	
G65	98.4	88.52	90.04	78.4	81.45	90.04	88.83	101.48	98.4	
G66	94.45	84.53	85.7	74.53	77.77	85.82	84.57	97.58	94.45	
G67	89.69	80.43	82.34	70.82	73.71	81.72	80.86	93.09	89.69	
G68	85.94	76.6	78.09	67.07	69.88	77.97	76.64	89.22	85.94	
G69	81.56	72.7	74.49	63.05	65.98	74.02	72.81	84.92	81.56	
G70	77.93	68.71	70.31	59.14	62.42	69.96	68.4	80.94	77.93	
G71	73.67	64.92	66.6	55.2	58.16	65.94	64.8	76.8	73.67	
G72	69.41	60.7	62.62	51.48	54.61	62.07	60.59	72.77	69.41	
G73	65.59	56.88	58.75	47.5	50.55	58.01	56.68	68.63	65.59	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/15 9:00:56

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

Remarks:

