

Report No.:

Test Time: 2025/11/14 15:41:52

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: 0
 Luminaire Type: 62693LEDDCS-BS/ACR
 Lamp Type:
 Luminous Width: 0 mm
 Luminous Length: 0 mm
 Luminous Height: 0 mm

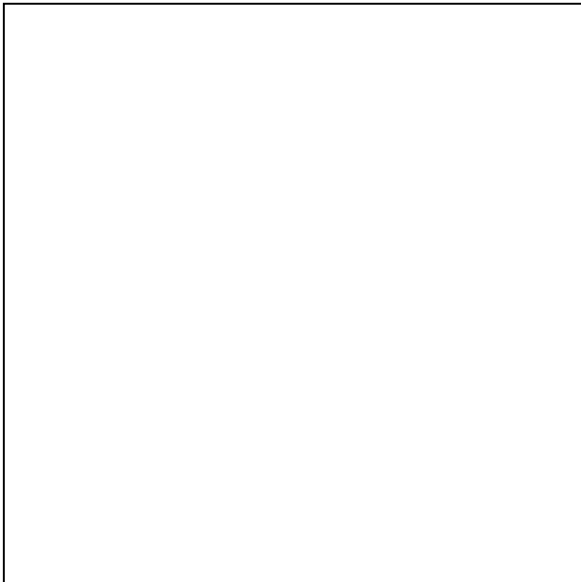
Voltage(V): 119.00 V
 Current(A): 0.1450 A
 Power(W): 16.94 W
 Power Factor: 0.9800
 Lamp Luminous Flux: 1385.72

Photometric Results

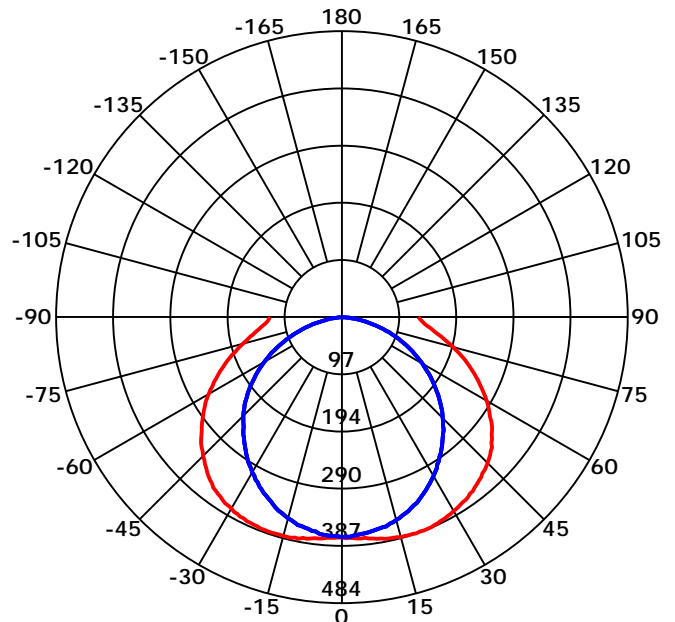
CIE Class: Direct
 Luminaire Luminous Flux: 1385.721 lm
 Downward Ratio: 100.00%
 Luminaire Efficacy Rating(LER): 81.80 lm/W
 Beam Angle(50%) C0-180,C90-270: 146.6,109.3
 Field Angle(10%) C0-180,C90-270: 0.0,158.3
 S/MH C0-180,C90-270: 1.453,1.202

Max. Intensity: 387.11 cd
 Max.Intensity Angle: C=0 Gamma=19
 Upward Ratio: 0.00%
 Efficacy: 100.00%
 Center Intensity: 373.28 cd
 Effective Luminous Flux: 1383.44 lm
 ERP(φ use)(120deg): 965.96 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 146.6 deg,109.3 deg

Average Beam Angle: 128.0 deg

C0-180 ——— C90-270 ———

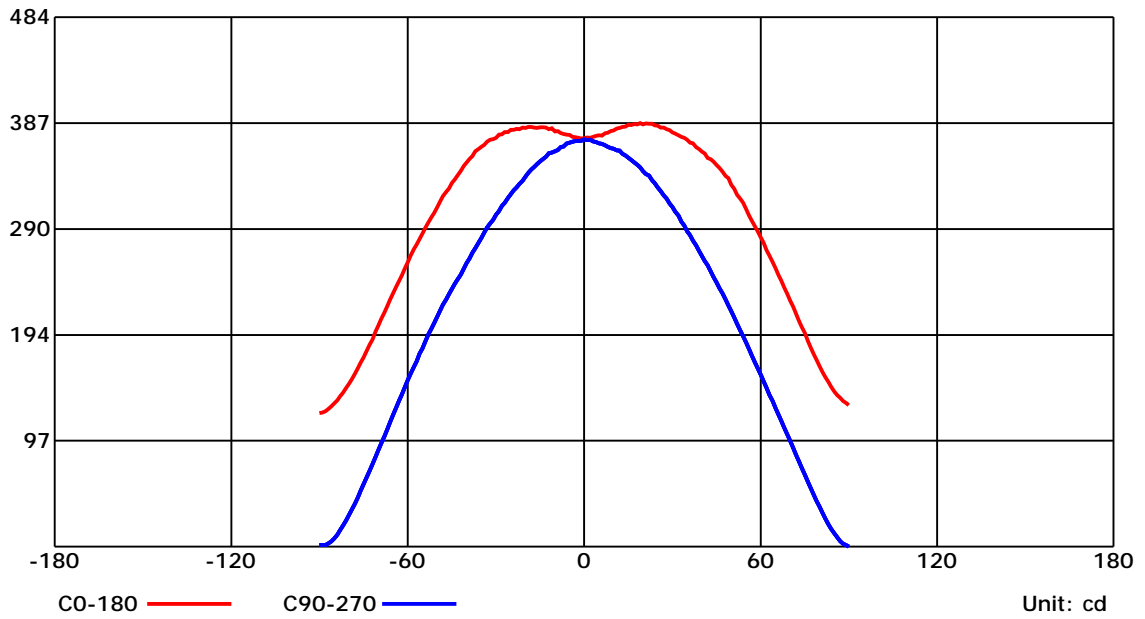
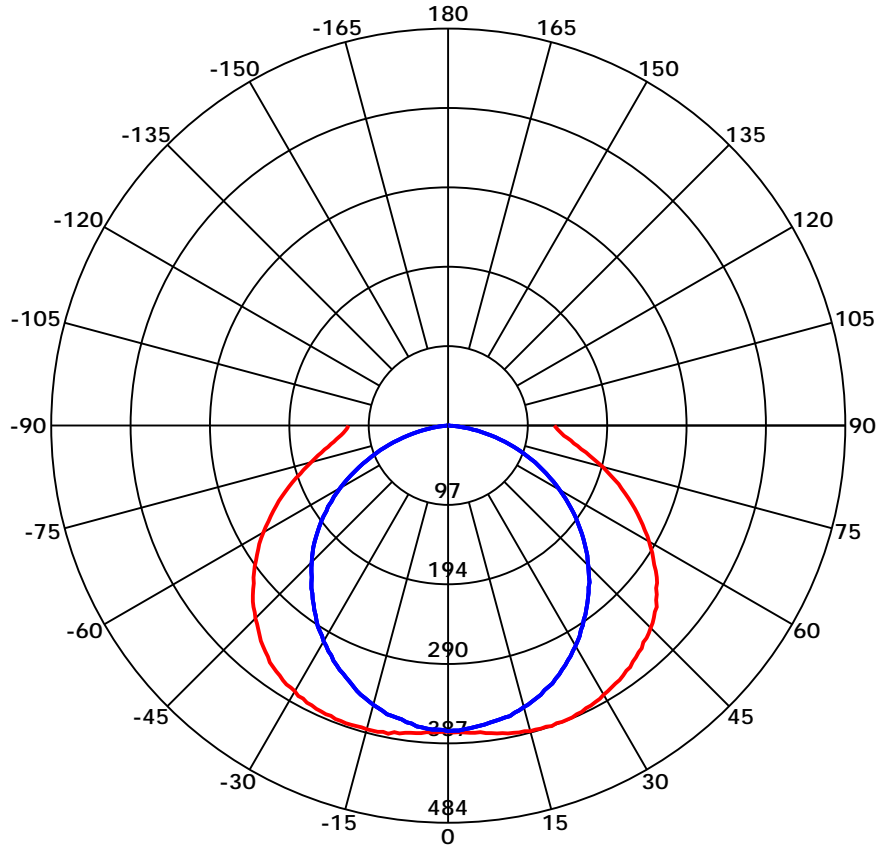
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/14 15:41:52

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 15:41:52

Luminous Intensity Distribution Curve



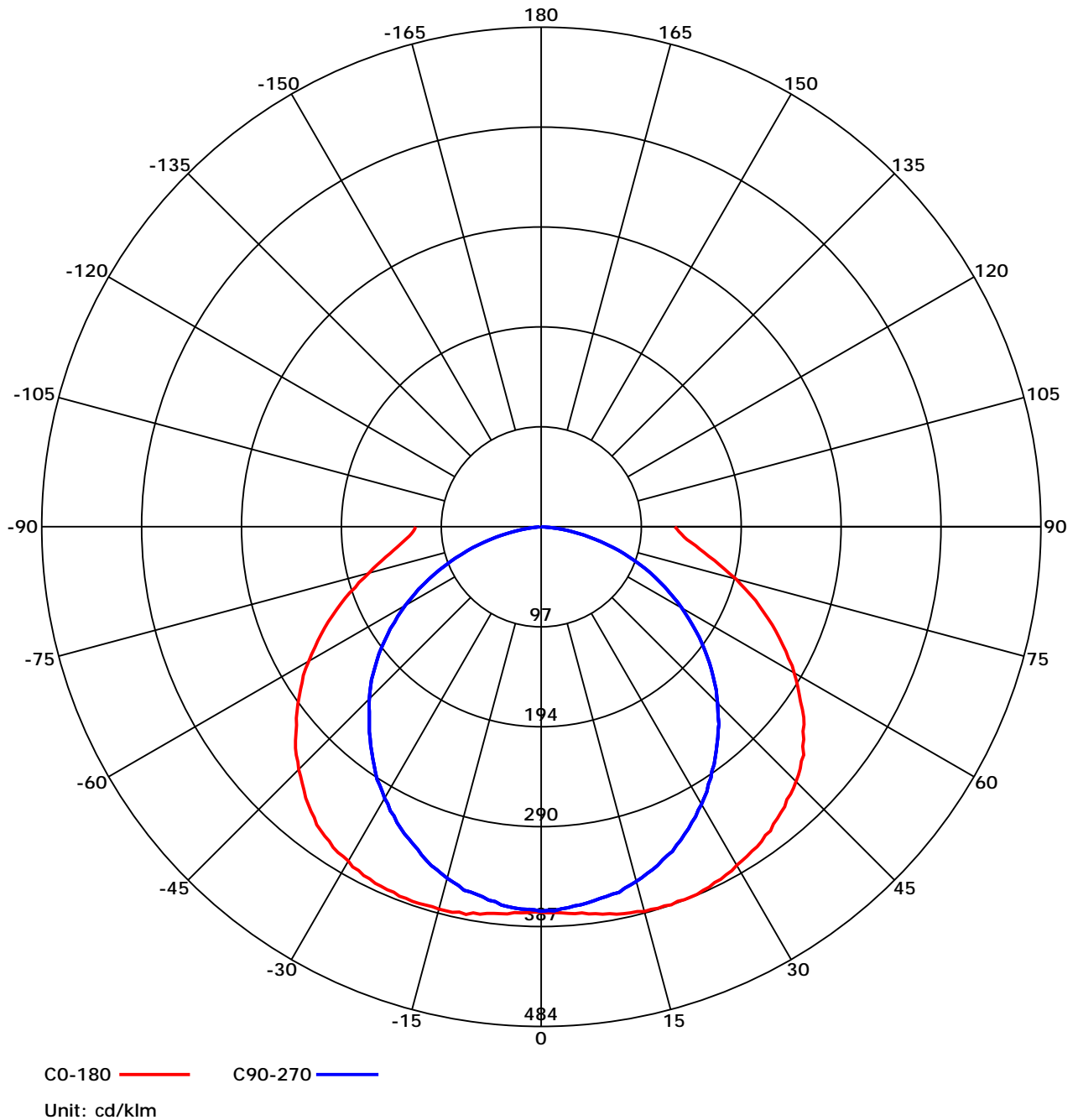
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 Test Date: 2025/11/14 15:41:52

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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 15:41:52

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

Remarks:

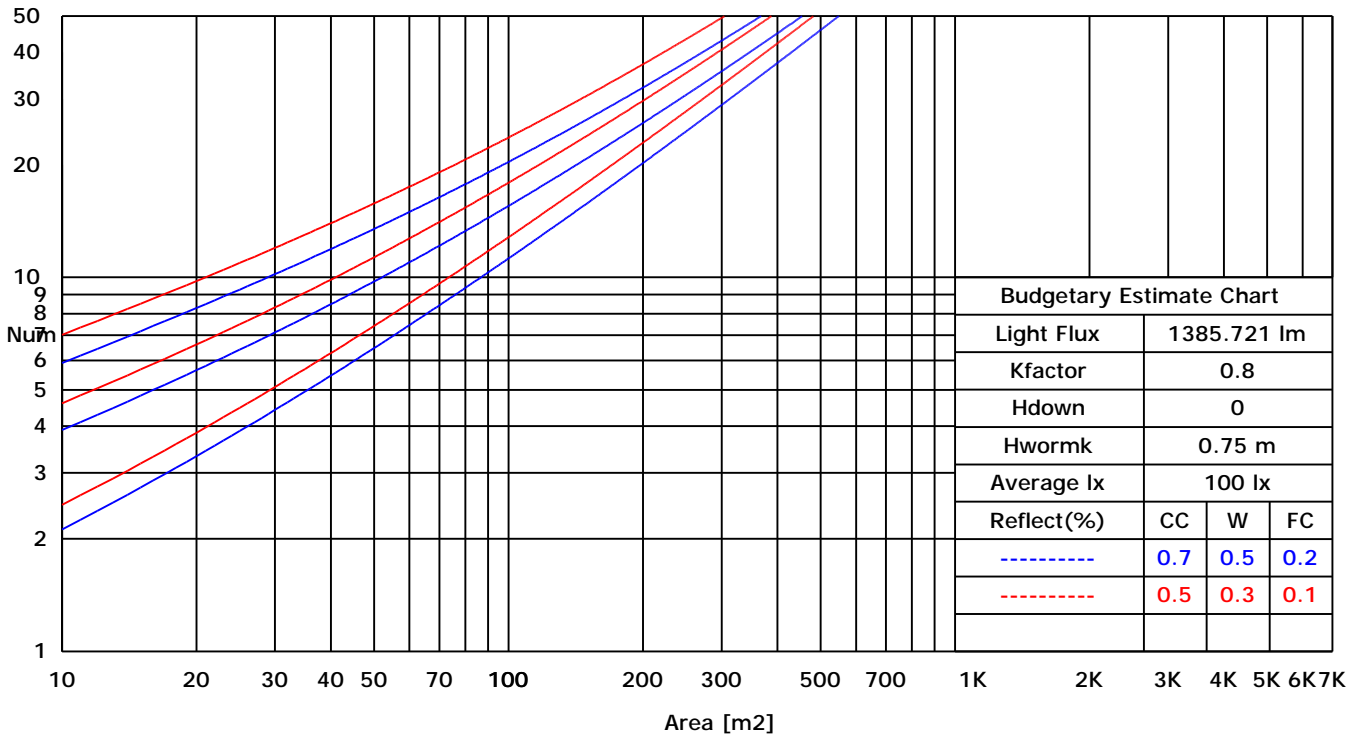
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UTILIZATION FACTORS TABLE

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	1.11	1.11	1.11	1.09	1.09	1.09	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	0.98	0.96	0.95	0.96	0.94	0.93	0.93	0.91	0.89	0.89	0.86	0.84	0.83	0.80	0.78	0.73
2	0.81	0.78	0.76	0.80	0.77	0.75	0.78	0.75	0.72	0.75	0.72	0.68	0.71	0.67	0.64	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	0.63	0.57	0.53	0.49
4	0.58	0.55	0.53	0.58	0.54	0.52	0.58	0.53	0.50	0.57	0.52	0.47	0.56	0.50	0.45	0.41
5	0.50	0.47	0.45	0.50	0.47	0.44	0.51	0.46	0.42	0.51	0.45	0.41	0.50	0.44	0.38	0.35
6	0.43	0.41	0.39	0.44	0.41	0.38	0.45	0.40	0.37	0.46	0.40	0.35	0.45	0.39	0.33	0.30
7	0.38	0.36	0.34	0.39	0.36	0.33	0.41	0.36	0.32	0.41	0.35	0.31	0.41	0.35	0.29	0.26
8	0.34	0.32	0.30	0.35	0.32	0.30	0.37	0.32	0.29	0.37	0.32	0.27	0.38	0.31	0.26	0.23
9	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
10	0.28	0.26	0.24	0.29	0.26	0.24	0.31	0.26	0.23	0.32	0.26	0.22	0.32	0.26	0.21	0.19

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



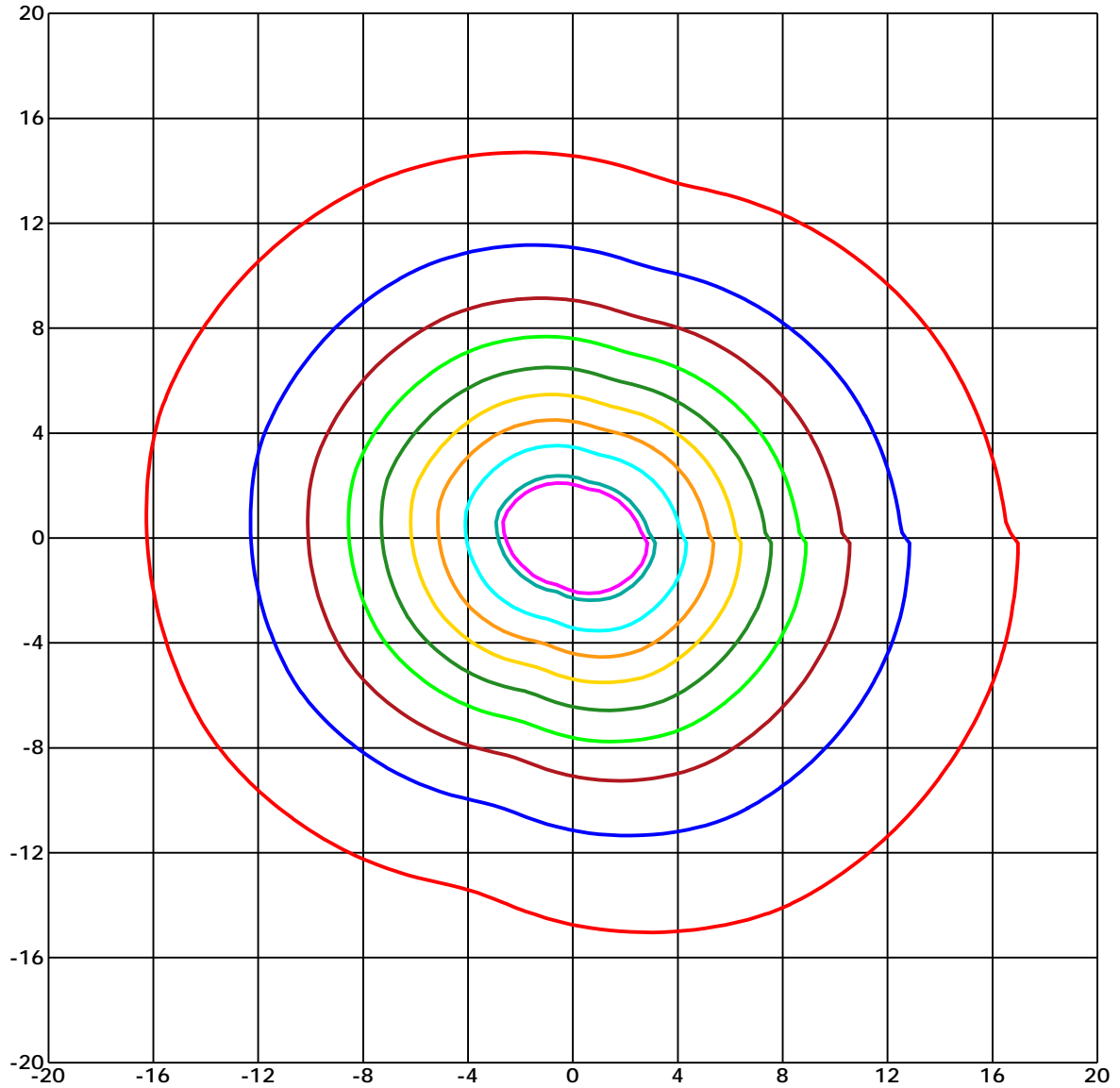
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
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 Test Date: 2025/11/14 15:41:52

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
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 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)

- | | |
|------------------|------------------|
| — 3.438(92%Emax) | — 1.869(50%Emax) |
| — 3.364(90%Emax) | — 1.495(40%Emax) |
| — 2.99(80%Emax) | — 1.121(30%Emax) |
| — 2.616(70%Emax) | — 0.747(20%Emax) |
| — 2.242(60%Emax) | — 0.374(10%Emax) |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 15:41:52

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

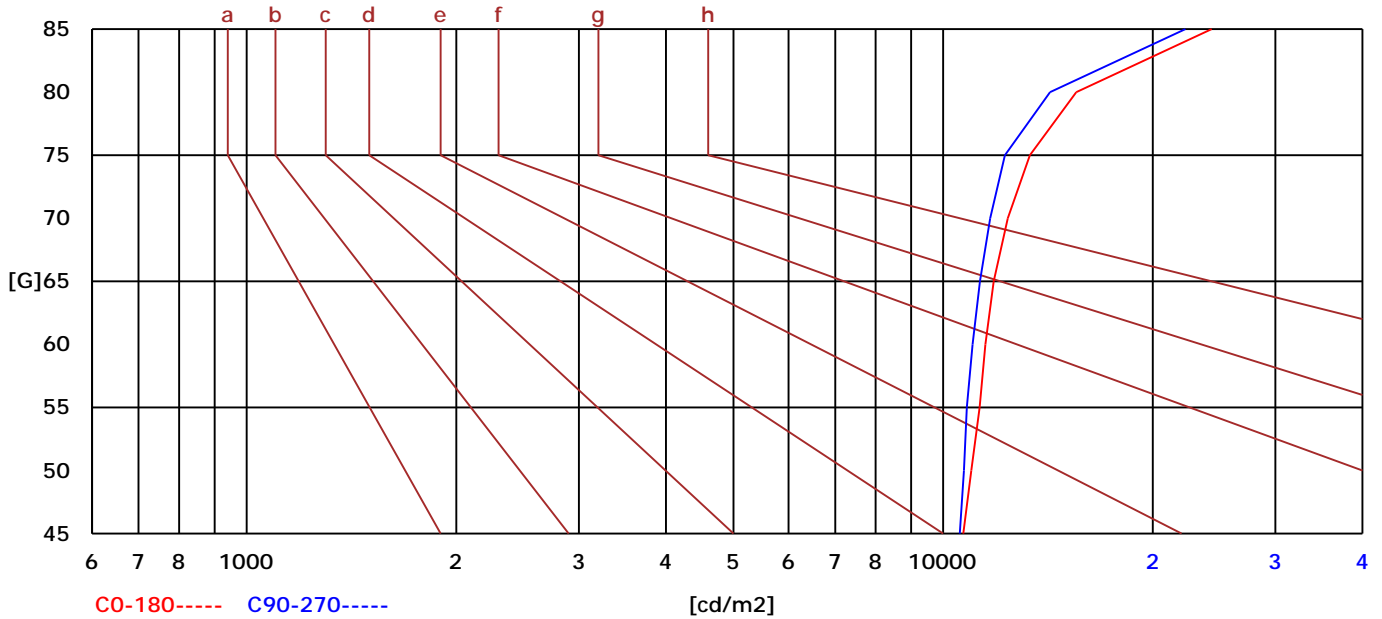
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BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	10695	10977	11281	11498	11824	12386	13327	15533	24303
C90	10561	10715	10811	11025	11295	11678	12267	14239	22286
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



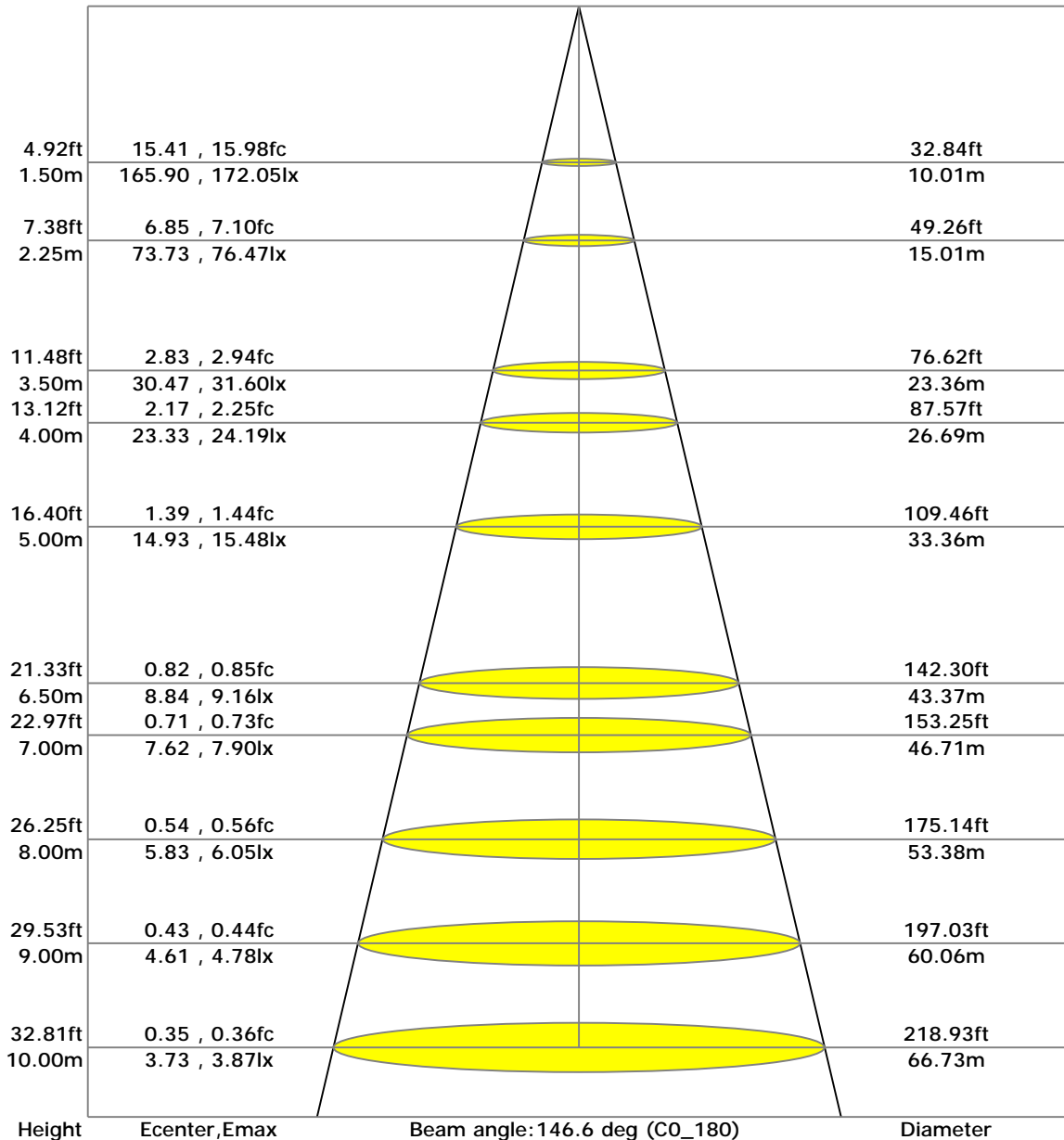
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/14 15:41:52

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 15:41:52

LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 15:41:52

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

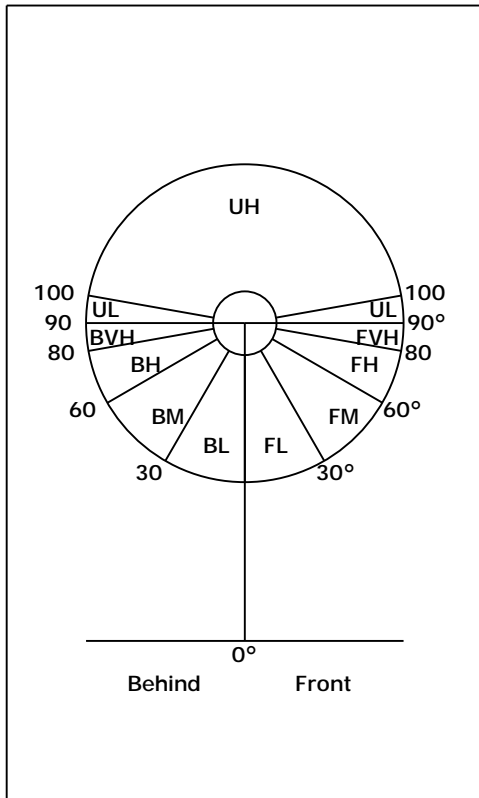
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2025/11/14 15:41:52

BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	687.1	49.6
FL (0°-30°)	152.5	11.0
FM (30°-60°)	328.6	23.7
FH (60°-80°)	162.2	11.7
FVH (80°-90°)	43.7	3.2

Behind	698.7	50.4
BL (0°-30°)	152.2	11.0
BM (30°-60°)	332.5	24.0
BH (60°-80°)	166.2	12.0
BVH (80°-90°)	47.6	3.4

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

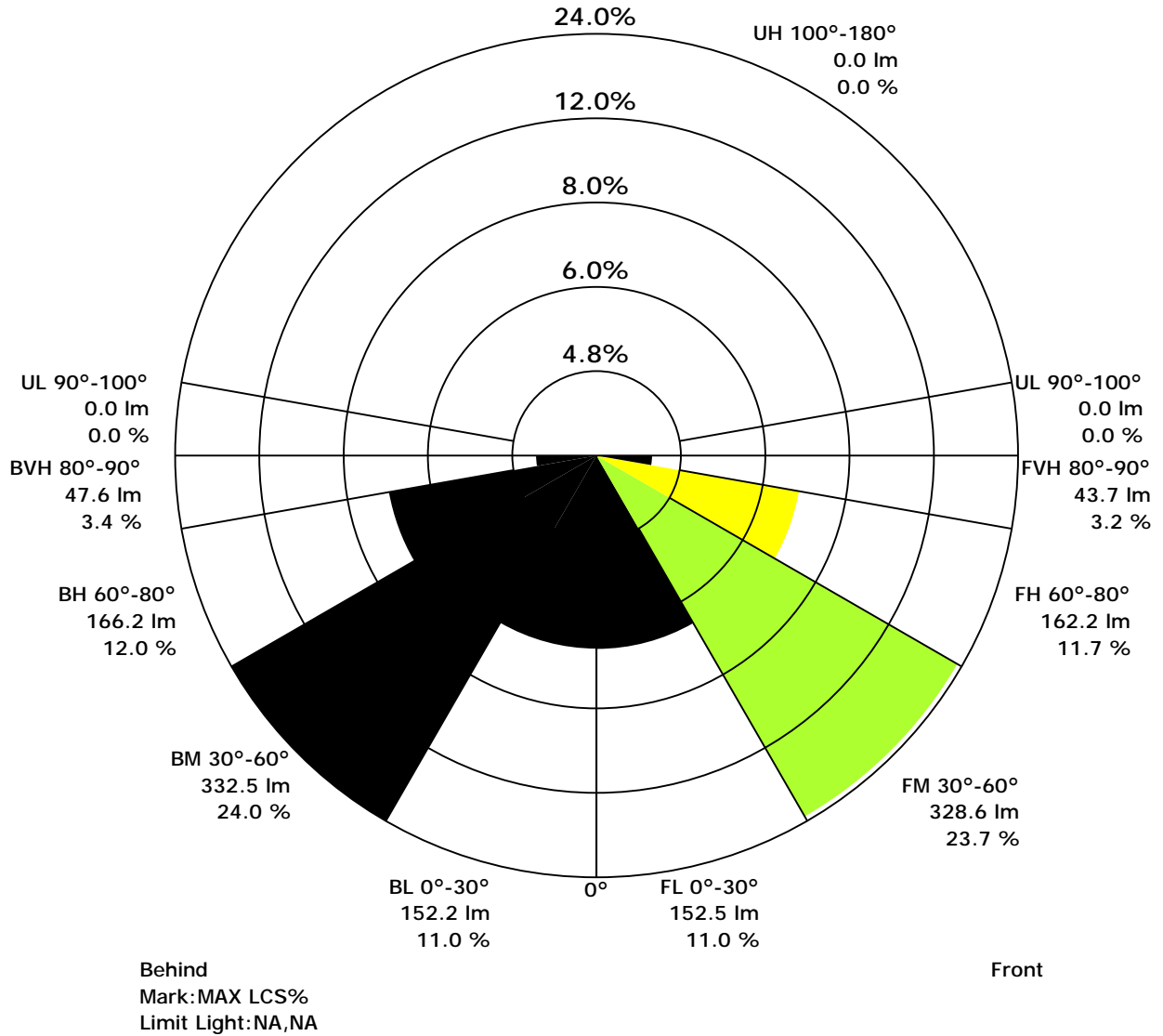
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 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/14 15:41:52

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 15:41:52

LCS 图



C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/14 15:41:52

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	22.95	23.79	22.64	23.78	23.84	21.57	22.41	21.26	22.40	22.46
	3H	22.65	23.43	22.43	23.47	23.59	21.50	22.28	21.28	22.32	22.44
	4H	22.45	23.18	22.27	23.25	23.42	21.39	22.13	21.21	22.20	22.36
	6H	22.21	22.90	22.08	23.00	23.21	21.20	21.90	21.08	22.00	22.20
	8H	22.08	22.75	21.98	22.87	23.09	21.08	21.75	20.98	21.87	22.09
	12H	21.94	22.59	21.88	22.73	22.98	20.94	21.59	20.88	21.73	21.98
4H	2H	26.25	26.99	26.08	27.06	27.22	23.40	24.14	23.22	24.21	24.37
	3H	26.08	26.73	26.02	26.87	27.12	23.51	24.15	23.44	24.30	24.54
	4H	25.90	26.49	25.90	26.68	26.97	23.50	24.09	23.50	24.27	24.57
	6H	25.66	26.19	25.73	26.41	26.76	23.43	23.95	23.49	24.18	24.53
	8H	25.52	26.01	25.62	26.26	26.64	23.36	23.85	23.46	24.09	24.47
	12H	25.37	25.83	25.52	26.10	26.51	23.25	23.70	23.39	23.97	24.38
8H	4H	27.82	28.49	27.72	28.61	28.84	23.72	24.39	23.62	24.51	24.73
	6H	27.69	28.10	27.87	28.39	28.84	24.07	24.48	24.25	24.77	25.21
	8H	27.58	27.95	27.81	28.27	28.74	24.12	24.49	24.35	24.81	25.28
	12H	27.45	27.76	27.72	28.11	28.62	24.18	24.49	24.45	24.84	25.35
12H	4H	28.63	29.08	28.77	29.35	29.76	24.01	24.46	24.15	24.73	25.14
	6H	28.63	28.99	28.85	29.31	29.78	24.15	24.52	24.38	24.84	25.31

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 15:41:52

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	380.4	372.0	363.6	370.8	379.5	368.3	361.5	375.8	10	35.5	35.5	2.6	2.6
20	386.0	368.0	343.3	365.7	382.9	362.9	338.4	370.7	20	104.5	140.0	10.1	10.1
30	378.6	350.8	310.4	347.1	373.8	346.8	303.6	356.3	30	164.8	304.8	22.0	22.0
40	361.1	320.5	265.9	317.1	351.1	320.4	259.2	332.0	40	208.2	513.0	37.0	37.0
50	330.6	282.2	215.0	275.5	310.2	282.5	210.0	297.2	50	229.3	742.3	53.6	53.6
60	282.7	230.0	157.1	220.5	260.0	229.9	152.1	249.4	60	223.7	966.0	69.7	69.7
70	224.8	169.5	96.6	159.8	202.0	166.8	88.0	186.0	70	190.6	1156.6	83.5	83.5
80	164.7	107.9	36.3	98.9	148.8	102.9	28.8	120.9	80	137.8	1294.4	93.4	93.4
90	129.4	77.6	0.0	72.3	121.9	378.8	1.4	375.9	90	91.3	1385.7	100.0	100.0

Conical surface Flux(90deg) : 626.5 lm

%lum = 45.2%

%lamp = 45.2%

Conical surface Flux(120deg) : 966.0 lm

%lum = 69.7%

%lamp = 69.7%

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 15:41:52

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

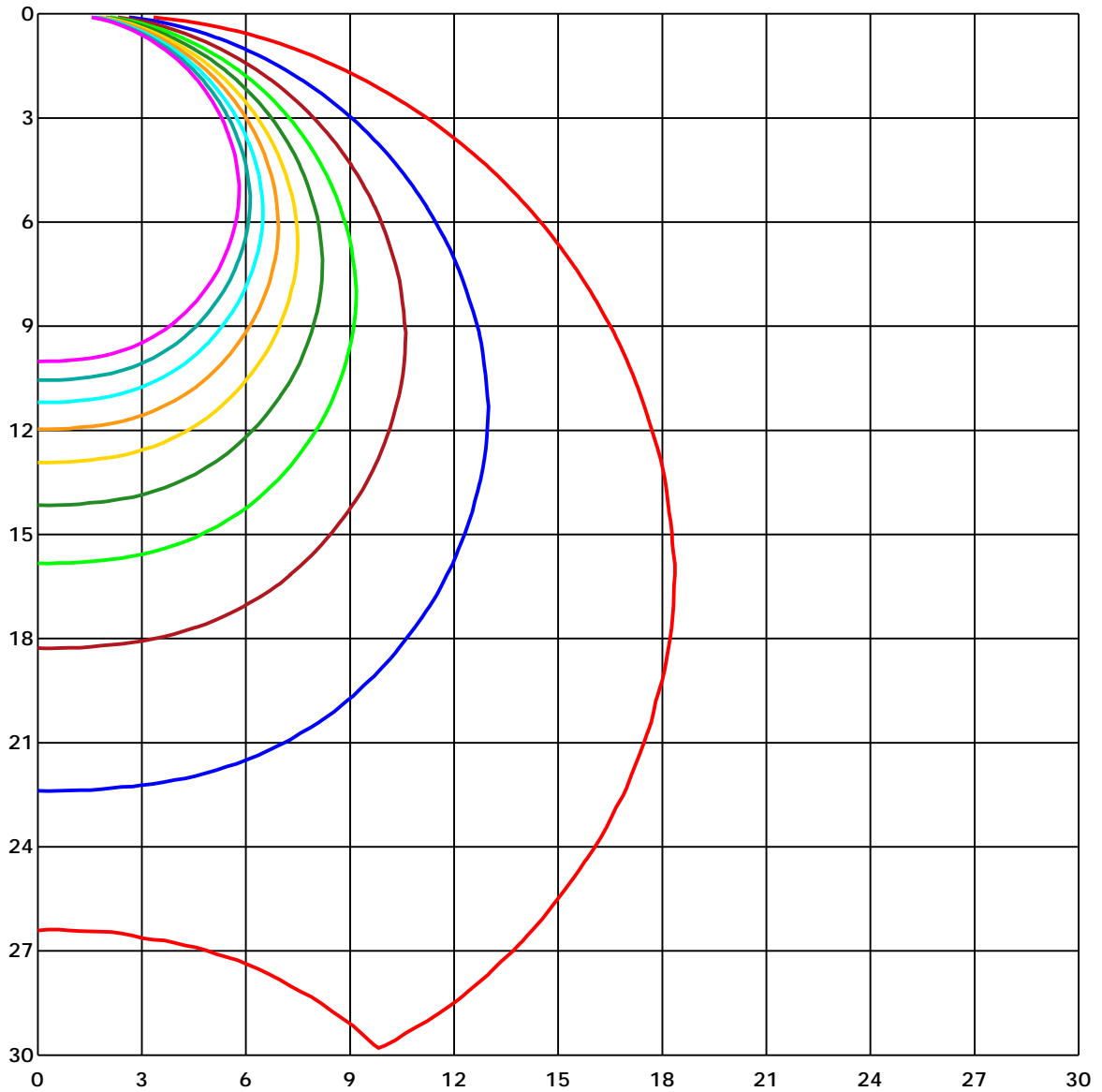
Test Distance: 6.25 m

Remarks:

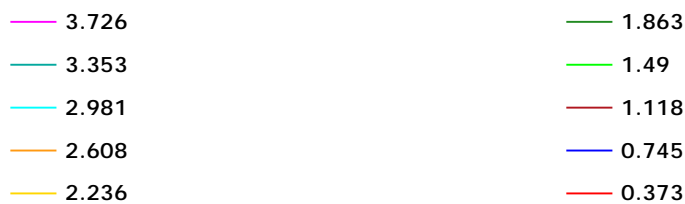
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SPACE ISOLX DIAGRAM



Unit of illumination: lx



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 15:41:52

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 15:41:52

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	373.28	372.19	372.23	373.59	373.28	372.19	372.23	373.59	373.28	
G1	373.91	372.11	371.6	372.07	373.09	371.84	371.02	372.34	373.91	
G2	373.71	372.58	371.95	372.27	373.71	370.08	370.66	372.85	373.71	
G3	374.45	371.8	370.55	370.94	374.34	371.37	370.78	371.72	374.45	
G4	375.39	372.07	369.77	371.05	374.57	370.39	370.12	372.03	375.39	
G5	375.94	371.09	368.59	371.05	376.21	371.25	369.3	372.15	375.94	
G6	375.82	370.86	367.97	370.74	376.72	370.74	368.4	372.66	375.82	
G7	377.66	370.66	367.07	370.82	377.19	370.9	365.7	372.58	377.66	
G8	378.28	371.56	365.63	371.33	378.09	369.61	365.08	373.83	378.28	
G9	379.88	371.37	364.3	371.33	379.88	369.14	362.62	373.09	379.88	
G10	380.43	372.03	363.59	370.78	379.53	368.28	361.48	375.78	380.43	
G11	382.07	372.03	362.3	370.55	382.46	368.52	360.12	373.36	382.07	
G12	382.85	370.98	361.88	370.82	381.48	367.62	359.77	372.81	382.85	
G13	383.63	371.84	359.06	370.82	383.16	367.89	356.48	371.52	383.63	
G14	383.98	371.37	357.5	370.9	383.2	367.81	354.34	371.52	383.98	
G15	385.55	370.86	355.39	369.34	383.24	366.91	352.3	371.95	385.55	
G16	385.47	369.8	353.55	369.1	382.73	367.73	349.61	372.46	385.47	
G17	386.37	369.65	351.02	367.73	383.01	367.15	346.95	371.52	386.37	
G18	385.86	369.26	349.06	368.2	383.48	365.51	344.84	372.07	385.86	
G19	387.11	368.59	346.68	366.56	383.67	364.69	341.8	371.13	387.11	
G20	386.02	367.97	343.32	365.7	382.85	362.85	338.36	370.66	386.02	
G21	386.72	366.25	340.74	364.96	383.13	362.73	334.41	369.53	386.72	
G22	386.52	365.0	339.02	363.83	381.64	360.66	331.48	368.71	386.52	
G23	386.52	364.06	335.04	361.21	381.91	361.02	328.28	368.09	386.52	
G24	385.2	361.64	332.11	360.43	381.05	358.28	325.55	366.25	385.2	
G25	384.88	360.35	328.32	357.73	380.86	358.32	322.07	364.88	384.88	
G26	383.09	359.26	325.12	357.34	379.06	355.74	318.67	364.88	383.09	
G27	383.05	357.07	321.09	354.06	378.91	353.63	314.26	362.23	383.05	
G28	381.45	354.96	317.97	352.42	376.8	351.76	311.33	360.82	381.45	
G29	380.63	352.11	313.67	349.8	376.68	350.04	306.6	358.83	380.63	
G30	378.63	350.78	310.35	347.07	373.79	346.84	303.55	356.33	378.63	
G31	377.38	348.36	306.17	343.91	372.38	345.2	298.91	355.04	377.38	
G32	376.09	345.51	302.46	341.6	371.95	343.24	295.16	352.66	376.09	
G33	374.57	342.77	297.03	339.57	370.16	341.05	291.8	351.29	374.57	
G34	373.71	339.34	293.52	336.88	367.19	338.13	287.07	349.1	373.71	
G35	371.99	338.32	288.28	332.58	365.43	335.78	281.99	345.43	371.99	
G36	369.14	333.16	284.61	330.47	363.36	332.58	277.66	343.98	369.14	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 15:41:52

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 15:41:52

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

GammaC	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	368.67	330.86	279.88	327.3	361.37	330.39	272.73	340.98	368.67	
G38	365.2	326.76	275.23	323.98	357.11	326.41	268.52	338.4	365.2	
G39	363.36	324.41	270.27	320.47	354.45	324.14	263.32	334.26	363.36	
G40	361.05	320.47	265.86	317.11	351.05	320.39	259.18	332.03	361.05	
G41	359.38	317.27	260.94	313.71	347.93	318.13	253.95	329.02	359.38	
G42	355.31	313.67	257.19	309.77	343.52	313.79	248.83	326.72	355.31	
G43	354.1	309.88	251.25	306.02	339.53	311.21	244.34	323.2	354.1	
G44	351.68	306.21	246.17	302.93	335.51	307.38	240.23	318.87	351.68	
G45	348.75	302.5	241.41	298.71	332.42	303.16	235.51	315.08	348.75	
G46	346.09	298.2	236.29	294.1	327.58	300.47	230.78	311.45	346.09	
G47	342.81	294.34	231.8	289.22	324.3	295.78	225.94	307.66	342.81	
G48	338.95	290.23	226.02	285.47	320.35	291.05	221.33	304.41	338.95	
G49	336.84	286.17	220.27	280.55	315.51	286.84	215.66	300.23	336.84	
G50	330.63	282.23	215.04	275.51	310.23	282.54	210.04	297.23	330.63	
G51	327.19	277.62	209.61	269.49	305.16	277.38	204.61	291.8	327.19	
G52	321.72	273.05	203.83	264.92	301.05	272.23	199.41	288.55	321.72	
G53	318.48	268.28	198.16	259.73	296.21	267.03	193.67	283.63	318.48	
G54	314.38	263.36	192.42	254.26	291.41	261.6	187.62	280.39	314.38	
G55	308.75	258.83	186.72	248.05	286.17	257.15	181.29	276.21	308.75	
G56	302.93	252.89	180.94	242.77	281.33	251.8	176.56	271.02	302.93	
G57	297.77	246.91	174.84	236.72	276.17	246.8	169.53	265.59	297.77	
G58	293.09	241.29	168.91	231.56	271.8	240.31	164.22	260.0	293.09	
G59	288.01	236.6	162.66	225.51	266.13	235.27	157.97	255.0	288.01	
G60	282.73	229.96	157.11	220.51	260.0	229.92	152.07	249.38	282.73	
G61	277.77	223.98	151.05	214.45	254.45	224.41	145.66	242.73	277.77	
G62	271.05	217.73	145.16	208.36	248.09	218.2	139.3	236.99	271.05	
G63	266.02	212.77	138.75	201.88	242.89	212.07	133.4	231.02	266.02	
G64	260.08	205.78	133.16	196.52	237.11	205.74	126.6	224.73	260.08	
G65	254.49	199.88	126.68	190.94	231.37	200.0	120.23	217.7	254.49	
G66	248.55	193.95	120.82	184.41	225.9	193.05	113.91	211.72	248.55	
G67	243.05	188.05	115.0	178.01	219.73	186.6	107.15	204.92	243.05	
G68	236.99	181.09	108.91	171.68	213.98	180.04	100.86	198.55	236.99	
G69	230.9	175.55	102.62	165.35	208.01	173.2	94.3	191.48	230.9	
G70	224.8	169.45	96.6	159.77	202.03	166.76	88.01	186.02	224.8	
G71	219.53	162.85	90.47	152.38	196.29	159.92	81.56	178.44	219.53	
G72	213.16	156.37	84.14	146.25	189.45	152.58	75.55	172.19	213.16	
G73	206.68	150.51	78.24	139.69	184.65	145.98	69.38	165.63	206.68	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 15:41:52

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

Remarks:

