

Report No.:

Test Time: 2025/11/22 9:33:00

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: 0
 Luminaire Type: 61113LEDDCS

Voltage(V): 119.10 V
 Current(A): 0.2180 A
 Power(W): 23.43 W
 Power Factor: 0.8990
 Lamp Luminous Flux: 706.82

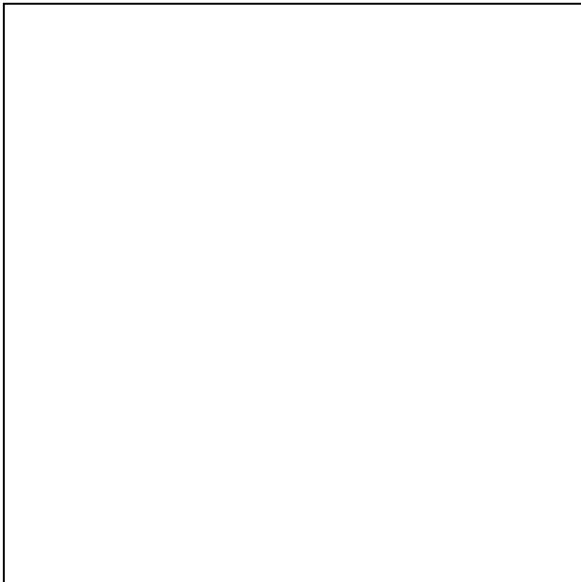
Lamp Type:
 Luminous Width: 0 mm
 Luminous Length: 0 mm
 Luminous Height: 0 mm

Photometric Results

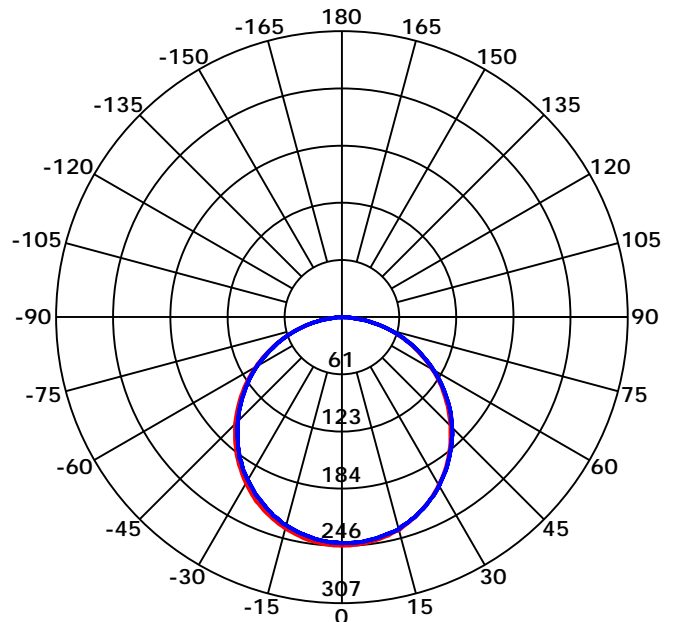
Luminaire Luminous Flux: 706.8235 lm
 Downward Ratio: 100.00%
 Luminaire Efficacy Rating(LER): 30.17 lm/W
 Beam Angle(50%) C0-180,C90-270: 113.0,113.6
 Field Angle(10%) C0-180,C90-270: 162.8,162.9
 S/MH C0-180,C90-270: 1.250,1.250

Max. Intensity: 245.74 cd
 Max.Intensity Angle: C=180 Gamma=0
 Upward Ratio: 0.00%
 Efficacy: 100.00%
 Center Intensity: 245.74 cd
 Effective Luminous Flux: 697.37 lm
 ERP(φ use)(120deg): 550.98 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 113.0 deg,113.6 deg

Average Beam Angle: 113.3 deg

C0-180 — C90-270 —

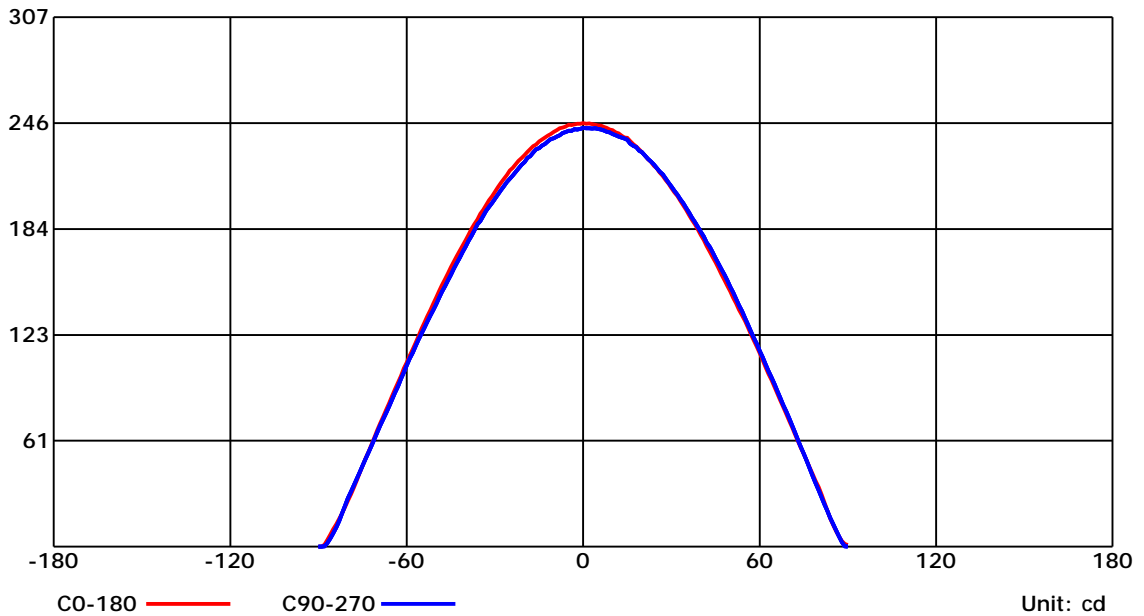
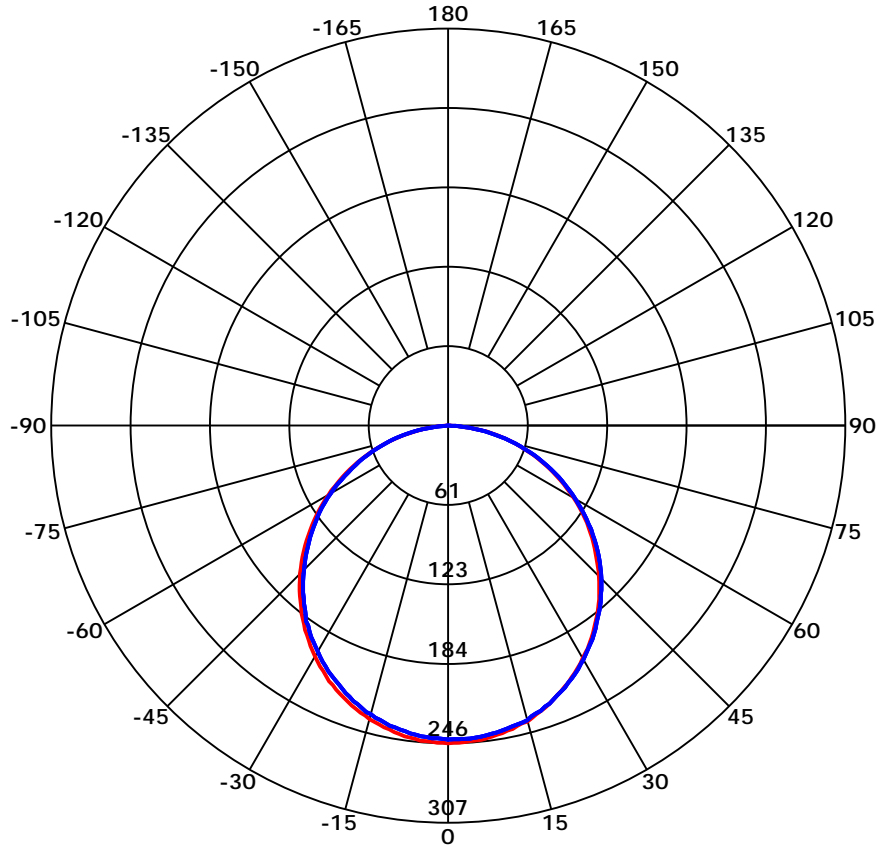
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/22 9:33:00

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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Luminous Intensity Distribution Curve



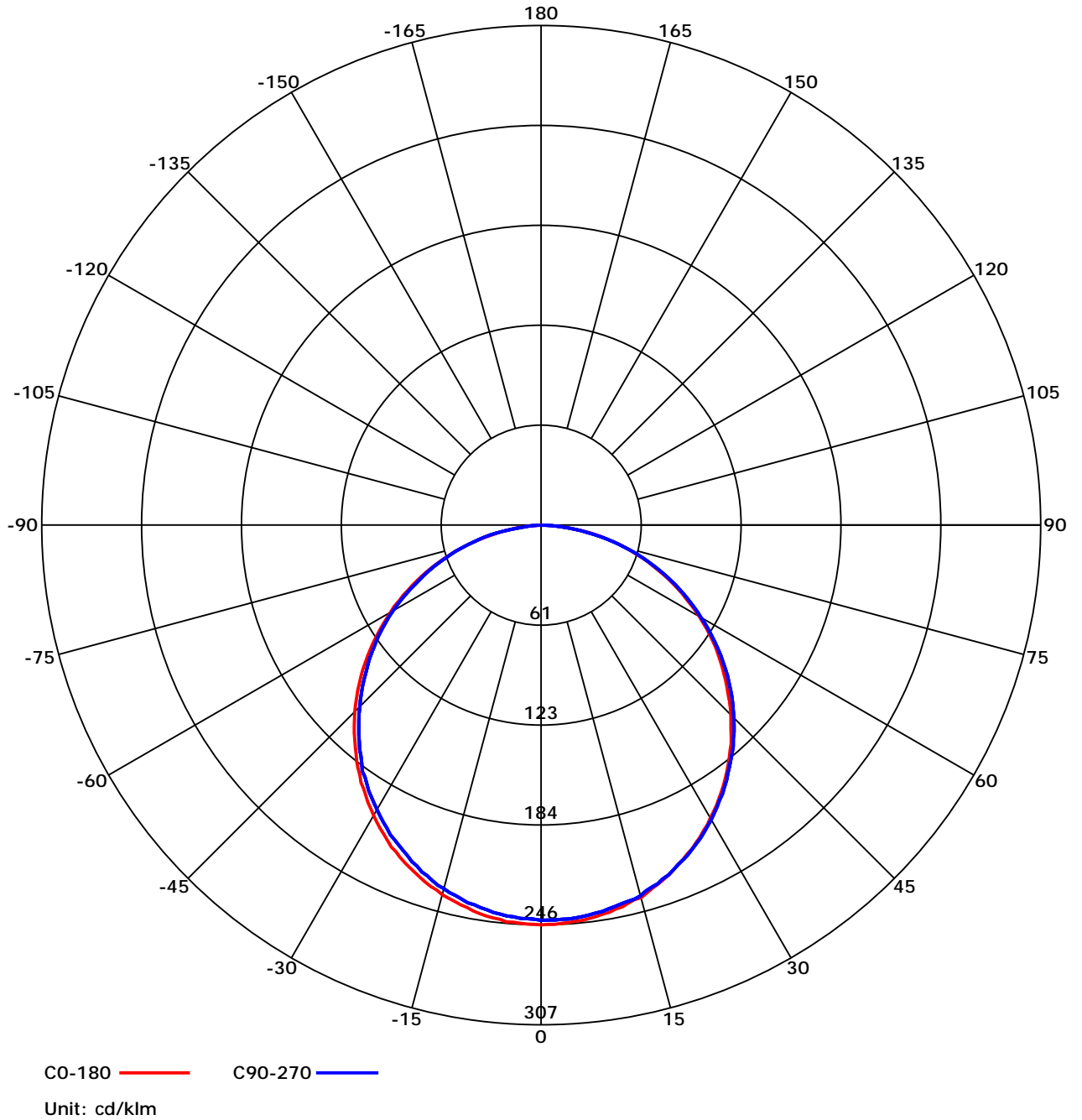
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Luminous Intensity Distribution Curve



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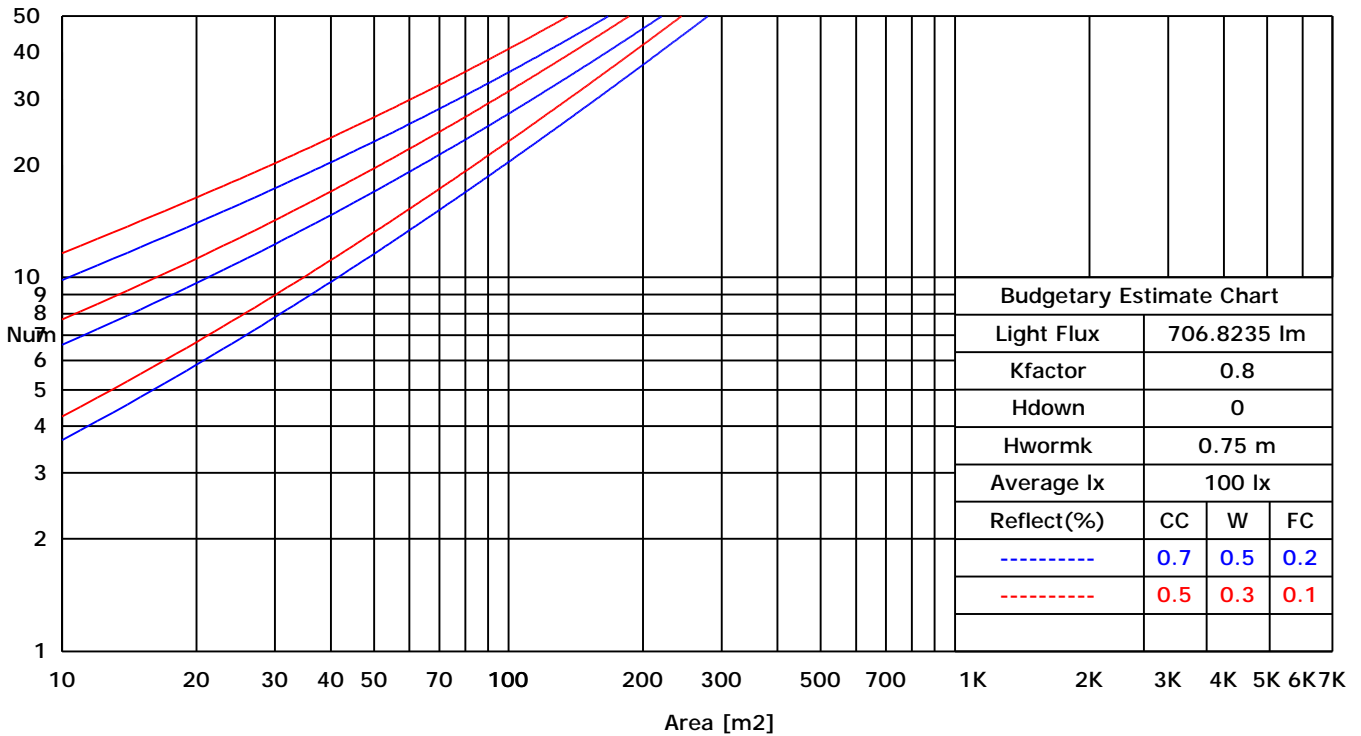
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UTILIZATION FACTORS TABLE

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	1.17	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	0.78	0.81	0.78	0.74	0.77	0.73	0.69	0.65
3	0.75	0.72	0.70	0.75	0.71	0.68	0.73	0.69	0.66	0.71	0.66	0.62	0.68	0.63	0.59	0.54
4	0.64	0.61	0.59	0.65	0.61	0.58	0.64	0.59	0.56	0.63	0.58	0.53	0.61	0.55	0.50	0.46
5	0.56	0.53	0.51	0.57	0.53	0.50	0.57	0.52	0.48	0.56	0.51	0.46	0.55	0.49	0.44	0.40
6	0.49	0.47	0.45	0.50	0.46	0.44	0.51	0.46	0.42	0.51	0.45	0.40	0.50	0.43	0.38	0.35
7	0.44	0.41	0.40	0.45	0.41	0.39	0.46	0.41	0.37	0.46	0.40	0.36	0.46	0.39	0.34	0.31
8	0.39	0.37	0.35	0.40	0.37	0.35	0.41	0.37	0.33	0.42	0.36	0.32	0.42	0.35	0.30	0.27
9	0.35	0.33	0.32	0.36	0.33	0.31	0.38	0.33	0.30	0.39	0.33	0.29	0.39	0.32	0.27	0.25
10	0.32	0.30	0.29	0.33	0.30	0.28	0.35	0.30	0.27	0.36	0.30	0.26	0.36	0.30	0.25	0.22

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/22 9:33:00

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

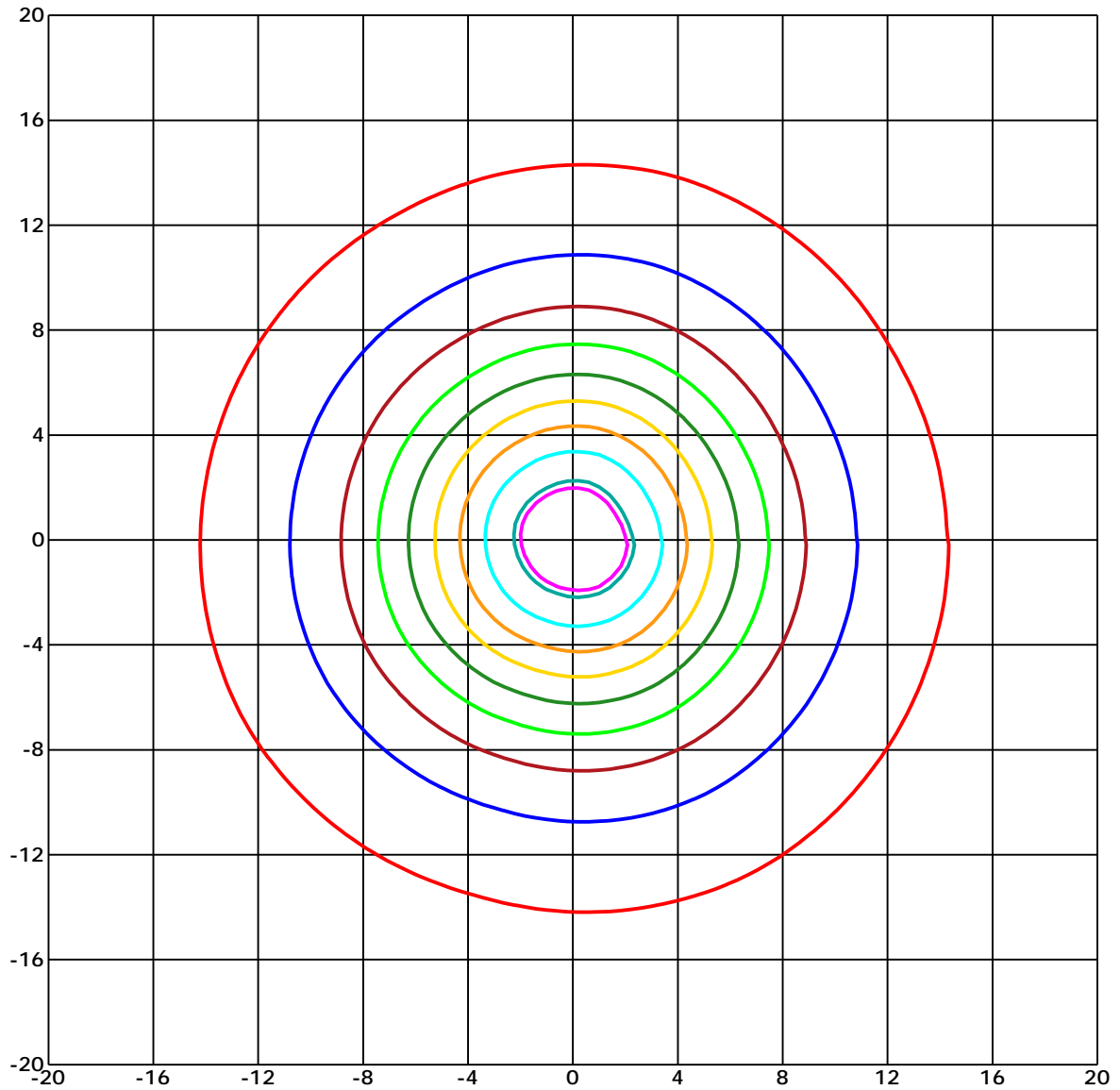
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2025/11/22 9:33:00

ISOLX DIAGRAM



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

— 2.261(92%Emax)	— 1.229(50%Emax)
— 2.212(90%Emax)	— 0.983(40%Emax)
— 1.966(80%Emax)	— 0.737(30%Emax)
— 1.72(70%Emax)	— 0.491(20%Emax)
— 1.474(60%Emax)	— 0.246(10%Emax)

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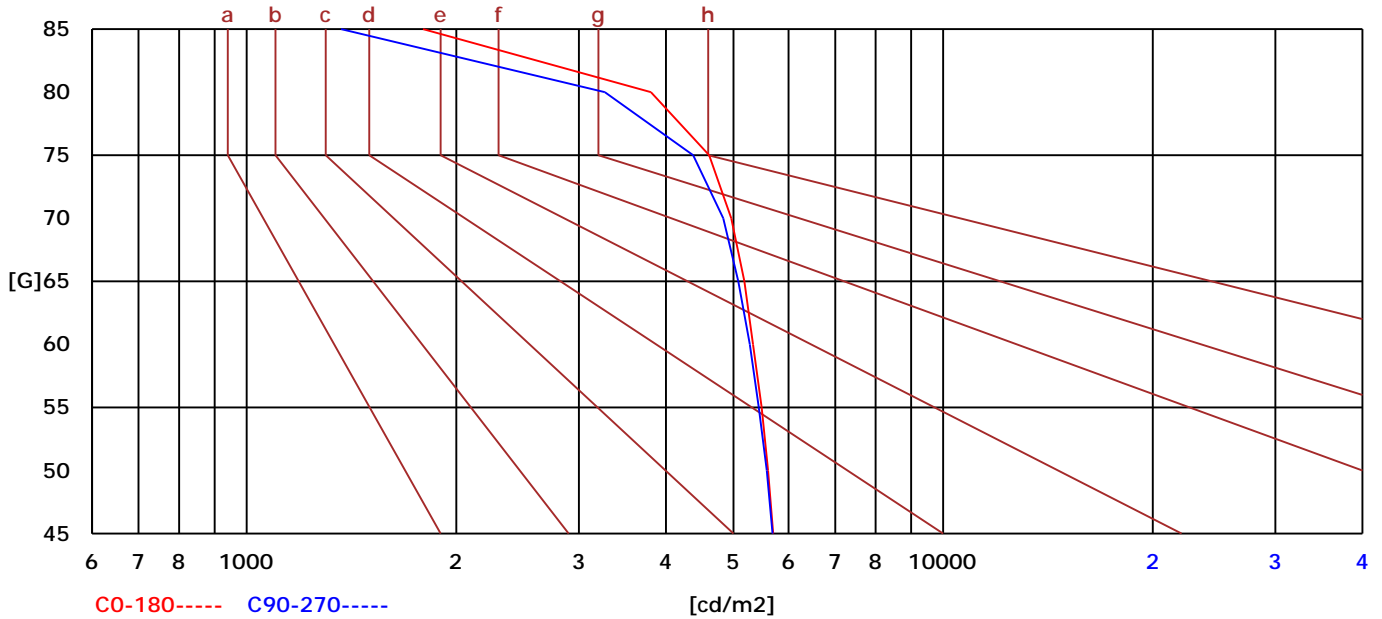
G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
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 Humidity: 65
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BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	5701	5605	5487	5336	5183	4965	4615	3807	1793
C90	5690	5585	5440	5277	5079	4834	4377	3267	1367
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: 2025/11/22 9:33:00

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

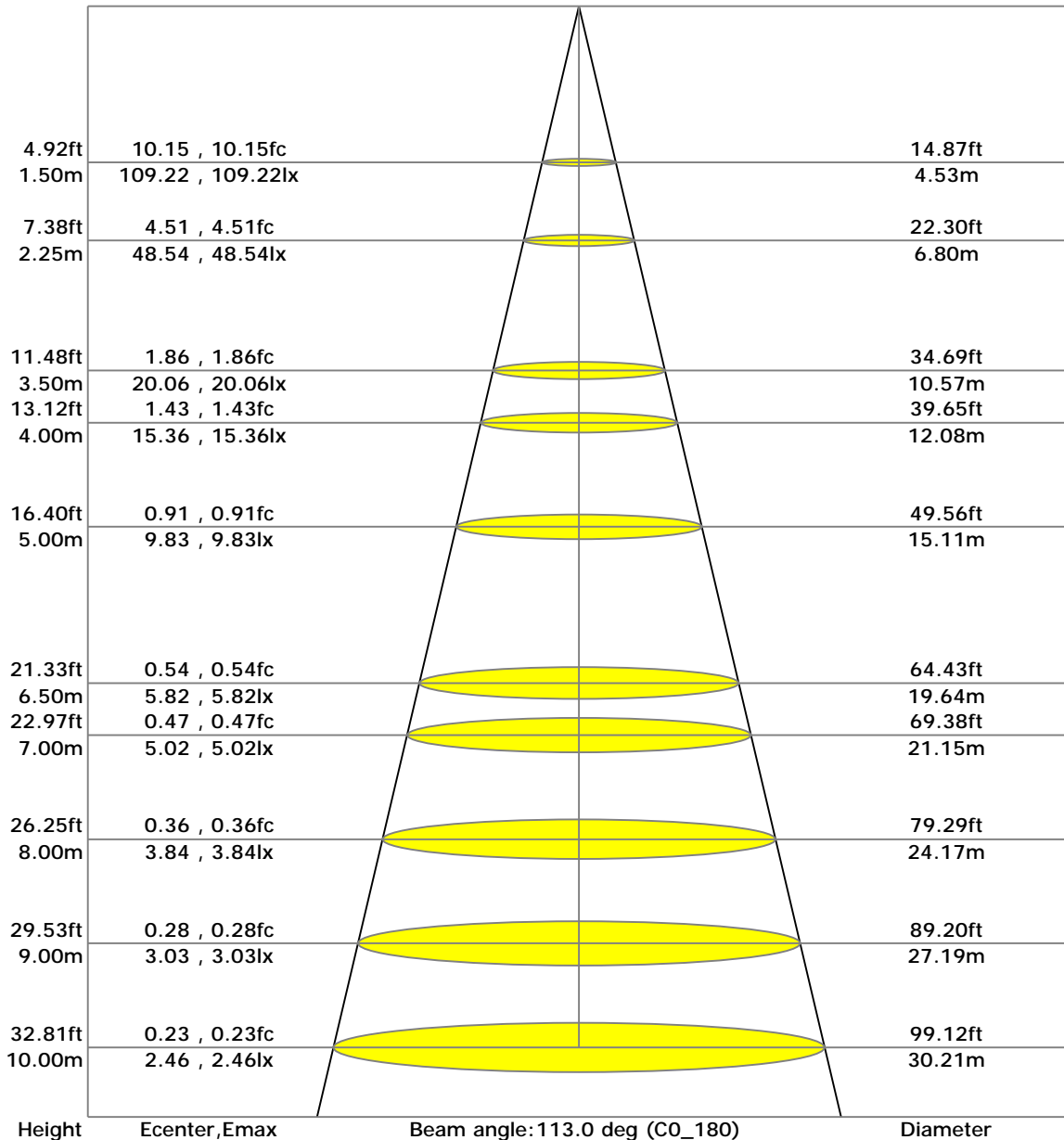
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2025/11/22 9:33:00

LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/22 9:33:00

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

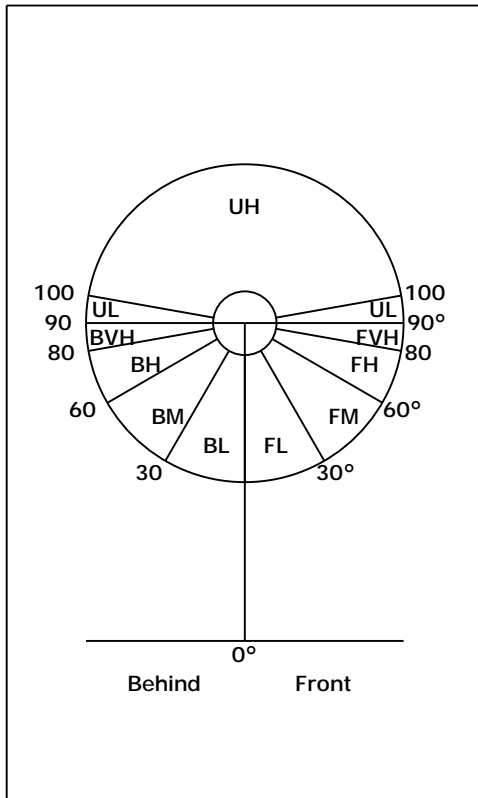
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2025/11/22 9:33:00

BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	351.2	49.7
FL (0°-30°)	94.7	13.4
FM (30°-60°)	180.6	25.5
FH (60°-80°)	70.2	9.9
FVH (80°-90°)	5.7	0.8

Behind	355.7	50.3
BL (0°-30°)	94.6	13.4
BM (30°-60°)	181.1	25.6
BH (60°-80°)	72.4	10.2
BVH (80°-90°)	7.6	1.1

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

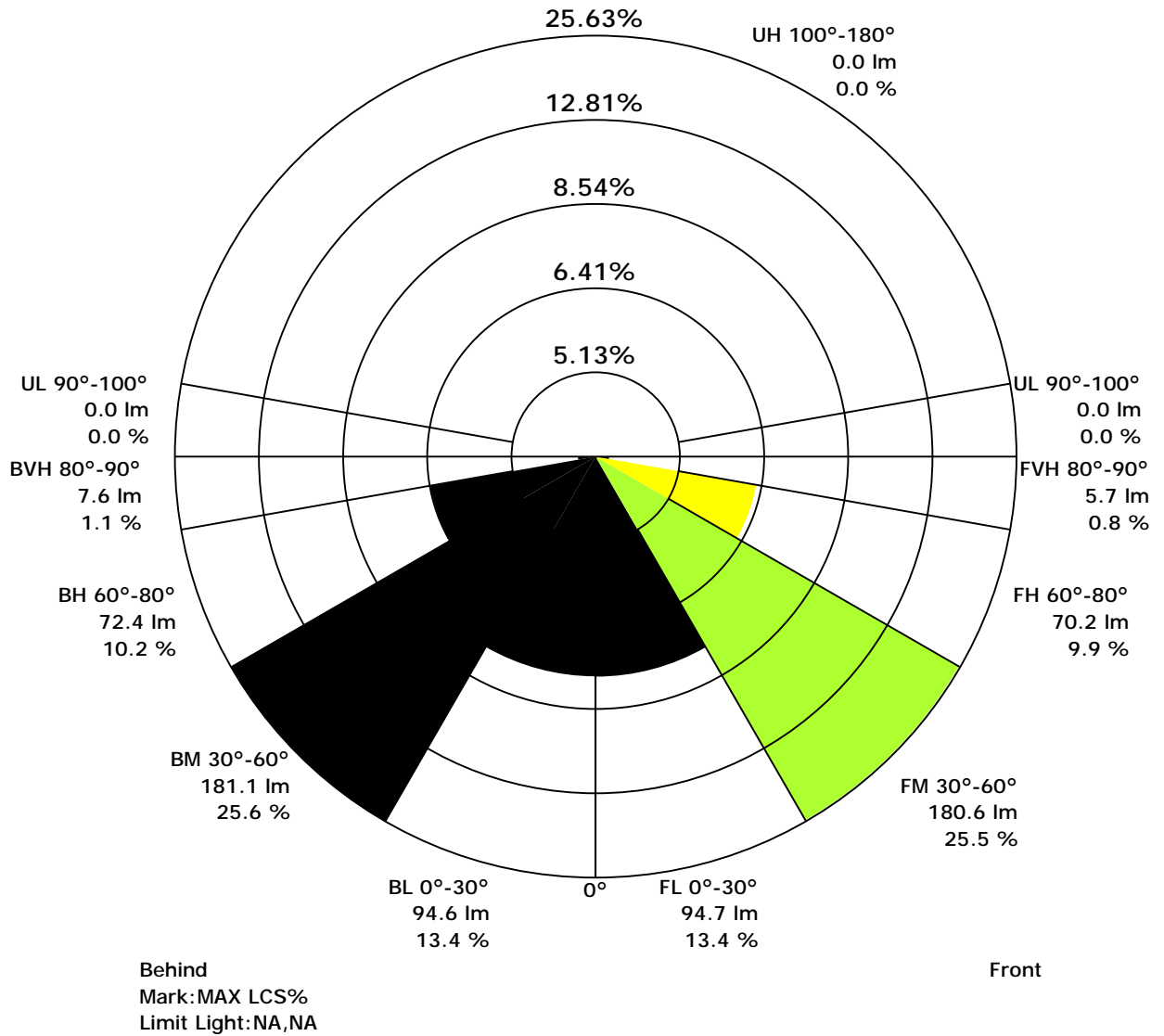
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 Test Speed: High
 Temperature: 25
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G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 65
 Test Distance: 6.25 m
 Remarks:

Report No.:

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LCS 图



C Range: 0 - 360 Deg
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 Temperature: 25
 Operators:
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G Range: 0 - 90 Deg
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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	19.98	20.74	19.74	20.79	20.90	20.15	20.91	19.91	20.96	21.07
	3H	19.77	20.47	19.61	20.56	20.74	19.91	20.61	19.75	20.70	20.88
	4H	19.59	20.26	19.47	20.38	20.59	19.72	20.39	19.60	20.51	20.72
	6H	19.37	20.00	19.30	20.15	20.40	19.50	20.13	19.43	20.28	20.52
	8H	19.25	19.85	19.21	20.02	20.29	19.38	19.98	19.33	20.15	20.41
	12H	19.12	19.71	19.11	19.89	20.18	19.25	19.83	19.23	20.02	20.30
4H	2H	22.07	22.74	21.95	22.86	23.07	22.35	23.01	22.23	23.13	23.34
	3H	21.96	22.54	21.94	22.72	23.01	22.22	22.80	22.20	22.98	23.27
	4H	21.81	22.35	21.86	22.57	22.90	22.06	22.59	22.10	22.81	23.14
	6H	21.61	22.08	21.71	22.34	22.72	21.84	22.31	21.94	22.57	22.95
	8H	21.48	21.92	21.62	22.20	22.61	21.71	22.15	21.84	22.43	22.83
	12H	21.35	21.75	21.52	22.05	22.49	21.57	21.98	21.74	22.27	22.71
8H	4H	22.45	23.05	22.40	23.22	23.48	22.73	23.34	22.69	23.51	23.77
	6H	22.13	22.50	22.34	22.82	23.28	22.45	22.82	22.65	23.13	23.60
	8H	22.02	22.35	22.27	22.69	23.18	22.33	22.66	22.57	22.99	23.49
	12H	21.90	22.18	22.18	22.54	23.06	22.20	22.48	22.48	22.84	23.36
12H	4H	22.27	22.68	22.45	22.98	23.41	22.64	23.05	22.81	23.34	23.78
	6H	22.12	22.45	22.36	22.78	23.28	22.49	22.82	22.74	23.16	23.65

C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
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 Temperature: 25
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 Humidity: 65
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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	241.6	237.3	239.5	238.9	240.7	238.1	237.0	240.2	10	23.0	23.0	3.3	3.3
20	228.9	224.8	228.9	225.9	227.2	225.4	223.0	228.2	20	66.0	89.1	12.6	12.6
30	208.0	203.9	209.0	204.9	206.1	206.6	201.9	209.5	30	100.2	189.3	26.8	26.8
40	180.7	176.5	182.7	176.8	177.9	180.3	174.1	183.0	40	121.0	310.3	43.9	43.9
50	148.0	144.1	150.7	143.6	144.6	148.2	140.7	150.7	50	125.9	436.2	61.7	61.7
60	112.2	106.7	113.6	105.5	106.8	112.2	105.1	115.0	60	114.7	551.0	78.0	78.0
70	73.0	67.9	74.5	66.1	67.6	73.0	66.4	76.0	70	89.3	640.3	90.6	90.6
80	34.6	26.4	32.7	22.7	26.6	33.4	28.0	37.1	80	53.3	693.5	98.1	98.1
90	1.1	0.0	0.0	0.0	0.0	2.3	0.0	3.1	90	13.3	706.8	100.0	100.0

Conical surface Flux(90deg) : 373.7 lm

%lum = 52.9%

%lamp = 52.9%

Conical surface Flux(120deg) : 551.0 lm

%lum = 78.0%

%lamp = 78.0%

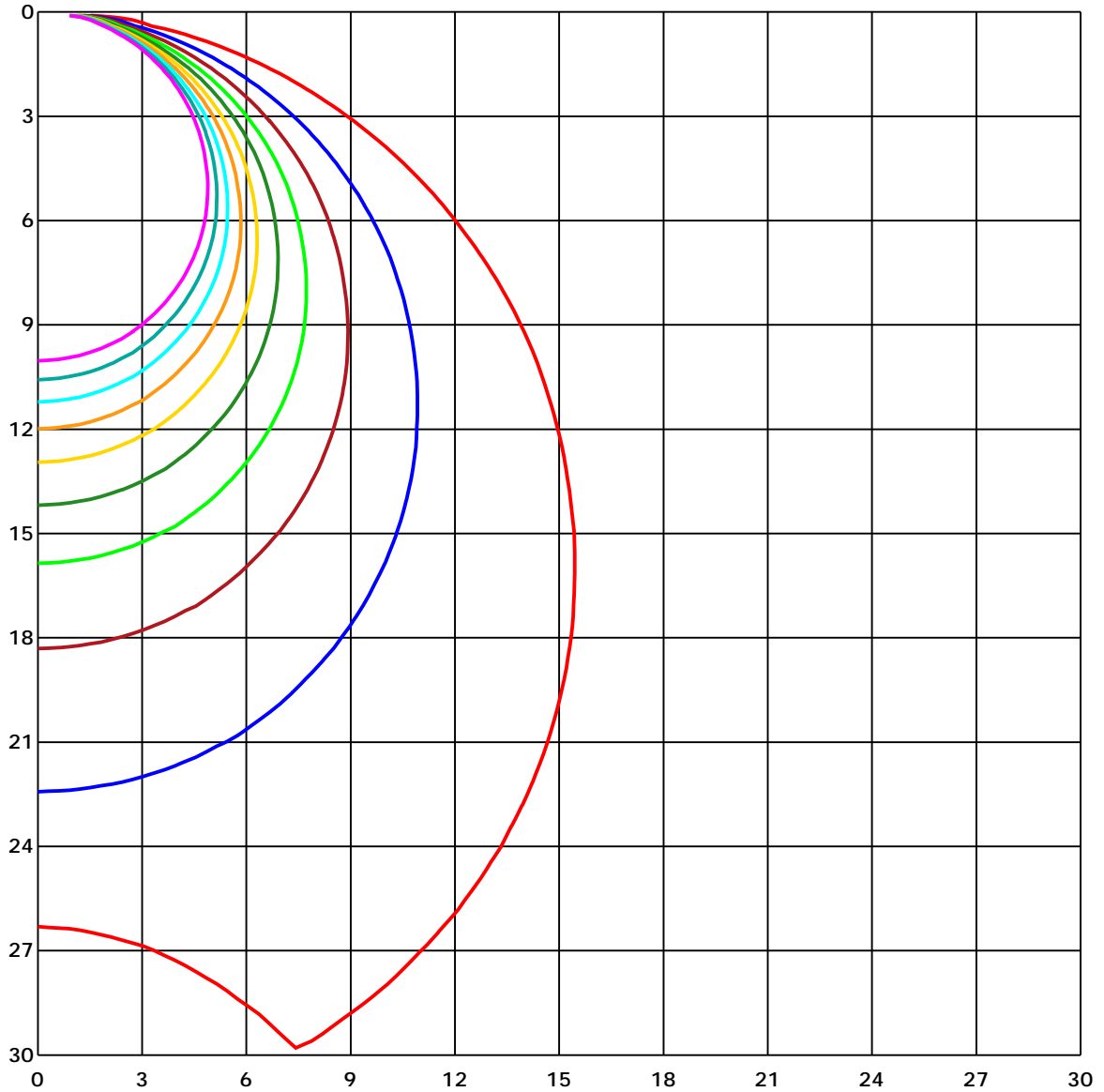
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SPACE ISOLX DIAGRAM



Unit of illumination: lx



C Range: 0 - 360 Deg
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G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 65
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 Remarks:

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Test Time: 2025/11/22 9:33:00

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	245.74	242.07	242.93	243.95	245.74	242.07	242.93	243.95	245.74	
G1	245.47	242.07	242.73	243.87	245.43	241.68	242.34	244.3	245.47	
G2	245.51	241.68	242.85	243.91	245.43	241.52	242.07	244.14	245.51	
G3	245.16	241.95	242.62	243.4	245.0	241.33	242.15	243.52	245.16	
G4	244.8	241.45	242.7	243.44	244.61	241.29	241.37	243.48	244.8	
G5	244.41	241.41	242.38	243.24	244.77	241.02	241.25	243.05	244.41	
G6	244.34	240.55	241.99	242.11	243.63	240.43	240.47	242.58	244.34	
G7	243.55	240.27	241.45	241.37	243.2	240.39	239.92	242.23	243.55	
G8	243.01	239.45	240.82	241.21	242.7	239.61	238.79	241.48	243.01	
G9	242.11	238.59	240.39	239.92	241.72	238.55	238.05	240.55	242.11	
G10	241.6	237.34	239.49	238.95	240.74	238.09	236.99	240.16	241.6	
G11	240.43	236.48	238.71	238.13	239.41	236.76	236.48	239.14	240.43	
G12	239.88	235.9	237.89	237.23	238.59	235.98	235.08	238.87	239.88	
G13	238.44	234.53	237.34	235.78	237.34	234.8	233.71	237.19	238.44	
G14	237.34	233.2	236.84	234.61	236.25	233.79	232.81	236.17	237.34	
G15	237.15	232.15	236.02	233.55	235.2	232.19	231.29	234.65	237.15	
G16	235.31	230.94	233.83	232.19	233.36	231.25	230.47	233.63	235.31	
G17	233.52	229.26	232.66	230.59	232.3	230.27	228.59	232.54	233.52	
G18	232.11	227.97	231.8	229.88	230.7	228.95	226.6	230.78	232.11	
G19	230.59	226.45	229.84	227.89	228.98	227.34	225.55	229.41	230.59	
G20	228.95	224.77	228.87	225.9	227.23	225.43	223.05	228.16	228.95	
G21	226.91	223.67	227.03	224.14	225.47	224.49	221.6	226.45	226.91	
G22	224.84	221.17	225.04	222.89	223.83	222.97	219.34	225.55	224.84	
G23	223.2	219.88	223.48	220.86	221.88	220.82	217.3	223.87	223.2	
G24	221.09	217.7	221.8	218.67	219.73	219.22	215.31	222.07	221.09	
G25	219.53	215.59	219.69	216.76	218.32	217.03	213.4	219.88	219.53	
G26	217.11	213.83	217.73	214.22	215.66	215.47	211.64	217.62	217.11	
G27	215.16	211.41	215.98	212.23	213.2	213.67	209.02	216.45	215.16	
G28	212.73	209.3	213.67	210.12	211.05	211.17	206.76	213.67	212.73	
G29	210.7	206.52	211.25	206.99	208.63	208.83	204.34	211.72	210.7	
G30	208.01	203.91	209.02	204.92	206.05	206.56	201.88	209.53	208.01	
G31	205.59	201.52	206.6	202.11	203.48	204.22	199.45	206.76	205.59	
G32	203.32	199.45	204.14	199.77	201.02	201.88	197.11	204.8	203.32	
G33	200.63	196.45	201.56	196.8	198.2	199.38	194.84	202.03	200.63	
G34	197.97	193.87	199.3	194.22	195.39	197.03	191.88	199.57	197.97	
G35	195.39	191.29	196.56	191.48	193.2	194.26	188.87	196.91	195.39	
G36	192.46	188.44	193.98	188.52	189.84	191.64	187.07	194.22	192.46	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/22 9:33:00

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: 2025/11/22 9:33:00

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

GammaC	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	189.69	185.39	190.9	185.78	187.11	189.18	183.28	192.07	189.69	
G38	186.8	182.58	188.16	183.05	184.3	186.33	180.16	188.75	186.8	
G39	183.87	179.88	185.39	179.96	180.86	183.4	177.34	185.86	183.87	
G40	180.74	176.48	182.7	176.76	177.85	180.31	174.06	183.05	180.74	
G41	177.97	173.75	179.92	174.06	174.77	177.15	171.05	180.16	177.97	
G42	174.45	170.66	176.52	170.66	171.8	174.38	167.73	177.15	174.45	
G43	171.09	167.46	173.87	167.5	168.55	170.94	164.49	173.71	171.09	
G44	168.01	164.41	170.7	164.26	165.31	168.01	161.29	170.63	168.01	
G45	164.88	161.25	167.42	160.94	162.15	164.77	157.77	167.34	164.88	
G46	161.68	157.7	164.22	157.85	158.59	161.6	154.53	164.02	161.68	
G47	158.05	154.57	161.02	154.18	155.27	157.97	151.13	160.78	158.05	
G48	154.57	151.17	157.81	150.74	151.8	154.77	147.93	157.7	154.57	
G49	151.25	147.62	154.38	147.3	148.24	151.25	144.34	154.02	151.25	
G50	148.01	144.1	150.7	143.59	144.61	148.24	140.7	150.7	148.01	
G51	144.41	140.43	147.46	139.84	141.05	144.69	137.38	147.27	144.41	
G52	141.13	136.84	143.79	135.98	137.3	141.05	134.14	143.98	141.13	
G53	137.5	133.28	140.12	132.77	133.59	137.38	130.47	140.51	137.5	
G54	134.1	129.3	136.56	128.71	129.88	133.71	126.91	136.68	134.1	
G55	130.94	125.9	132.66	124.8	126.25	130.51	123.55	133.24	130.94	
G56	127.19	121.84	128.87	120.94	122.23	126.76	120.2	129.45	127.19	
G57	123.44	117.97	125.0	117.07	118.44	123.4	116.45	125.94	123.44	
G58	119.84	114.41	121.29	113.4	114.57	119.34	112.66	122.23	119.84	
G59	115.9	110.51	117.54	109.53	110.66	115.86	109.06	118.83	115.9	
G60	112.19	106.72	113.59	105.55	106.76	112.19	105.12	114.96	112.19	
G61	108.28	102.93	110.0	101.6	103.48	108.32	101.17	111.29	108.28	
G62	104.26	98.87	105.98	97.54	98.95	104.38	97.34	107.62	104.26	
G63	100.39	95.47	101.99	93.75	95.27	100.59	93.05	103.63	100.39	
G64	96.64	91.33	98.16	89.69	91.21	96.88	89.14	99.69	96.64	
G65	92.81	87.62	94.34	85.86	87.3	92.81	85.23	95.98	92.81	
G66	88.83	83.59	90.39	82.15	83.32	88.91	81.45	91.95	88.83	
G67	84.84	79.77	86.37	78.13	79.45	85.0	77.73	88.05	84.84	
G68	81.13	75.82	82.34	74.1	75.59	81.02	74.14	84.14	81.13	
G69	76.95	71.95	78.48	70.08	71.6	76.8	70.31	80.0	76.95	
G70	73.01	67.93	74.45	66.13	67.62	73.01	66.37	75.98	73.01	
G71	69.34	64.06	70.51	62.03	63.44	69.06	62.46	72.19	69.34	
G72	65.16	60.12	66.33	57.93	59.34	65.2	58.52	68.44	65.16	
G73	61.25	55.98	62.11	53.71	55.27	61.17	54.77	64.26	61.25	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/22 9:33:00

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

Remarks:

