

Report No.:

Test Time: 2025/11/14 16:15:05

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: 0
 Luminaire Type: 63003LEDDCS-ABB/CFR
 Lamp Type:
 Luminous Width: 0 mm
 Luminous Length: 0 mm
 Luminous Height: 0 mm

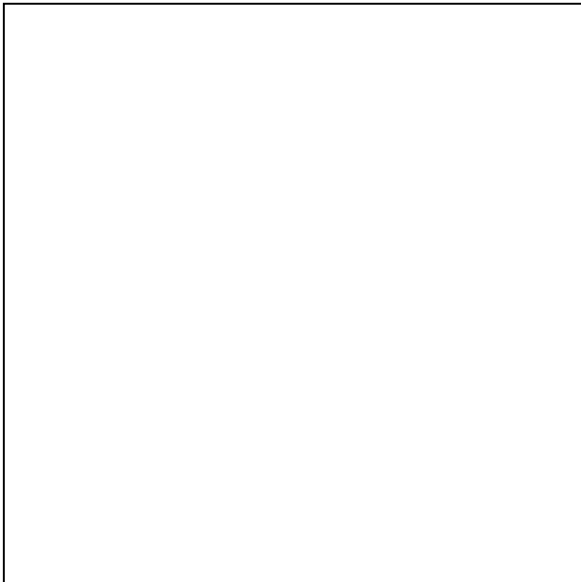
Voltage(V): 119.00 V
 Current(A): 0.1430 A
 Power(W): 16.73 W
 Power Factor: 0.9800
 Lamp Luminous Flux: 754.60

Photometric Results

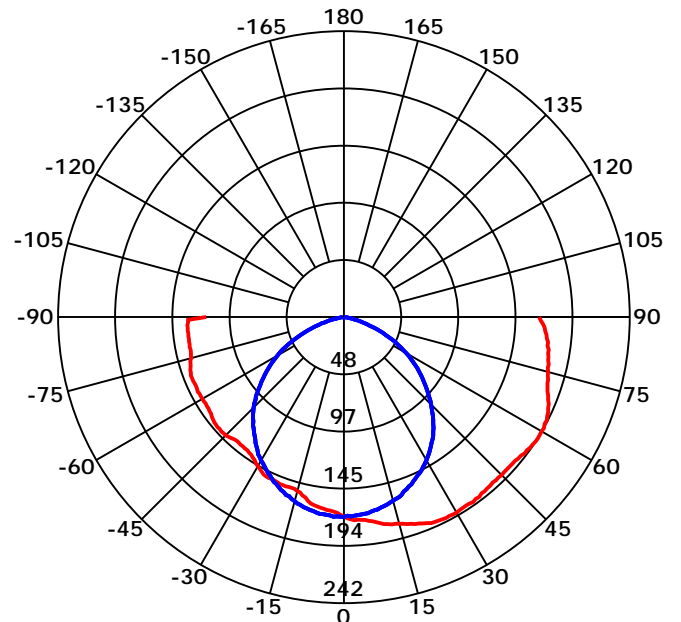
CIE Class: Direct
 Luminaire Luminous Flux: 754.6038 lm
 Downward Ratio: 100.00%
 Luminaire Efficacy Rating(LER): 45.10 lm/W
 Beam Angle(50%) C0-180,C90-270: 0.0,105.4
 Field Angle(10%) C0-180,C90-270: 0.0,149.1
 S/MH C0-180,C90-270: 1.453,1.202

Max. Intensity: 193.55 cd
 Max.Intensity Angle: C=0 Gamma=58
 Upward Ratio: 0.00%
 Efficacy: 100.00%
 Center Intensity: 168.52 cd
 Effective Luminous Flux: 754.60 lm
 ERP(φ use)(120deg): 445.92 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 0.0 deg,105.4 deg

Average Beam Angle: 52.7 deg

C0-180 ——— C90-270 ———

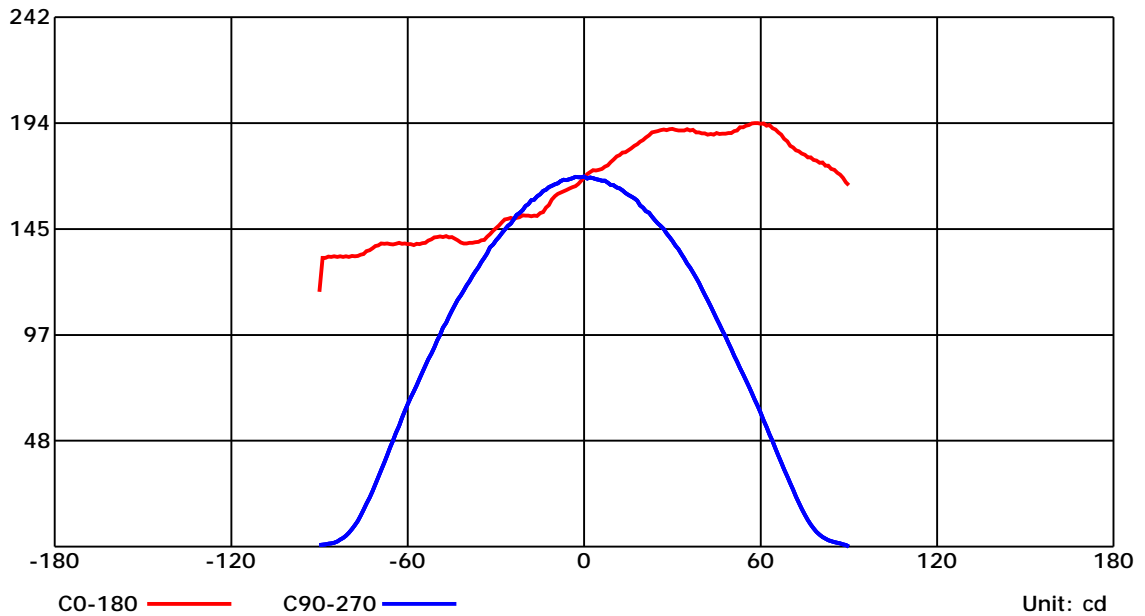
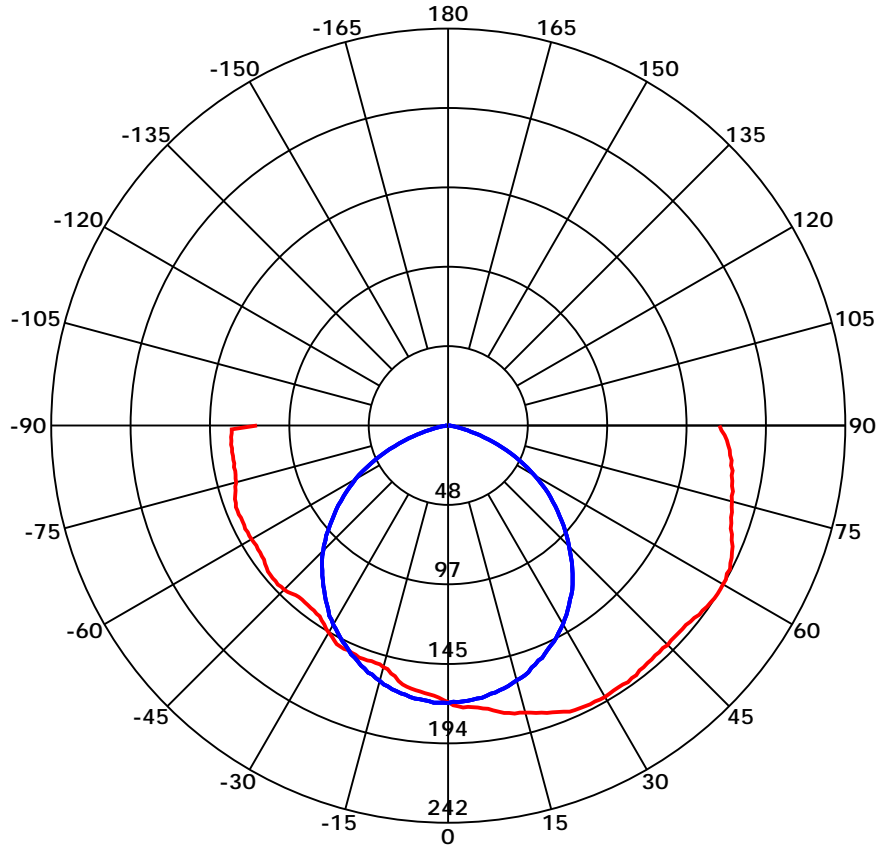
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/14 16:15:05

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 Intensity Distribution Curve



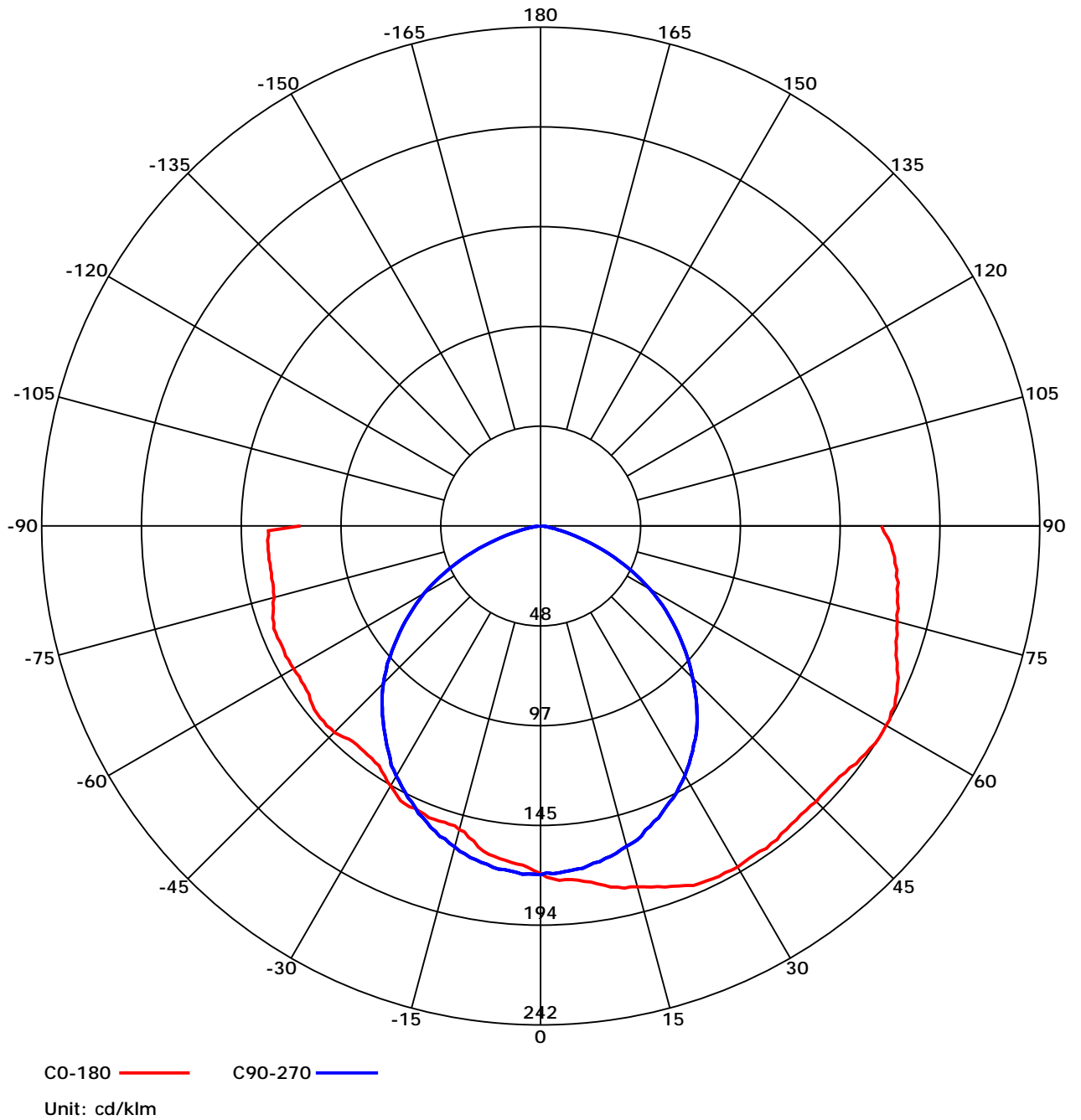
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Luminous Intensity Distribution Curve



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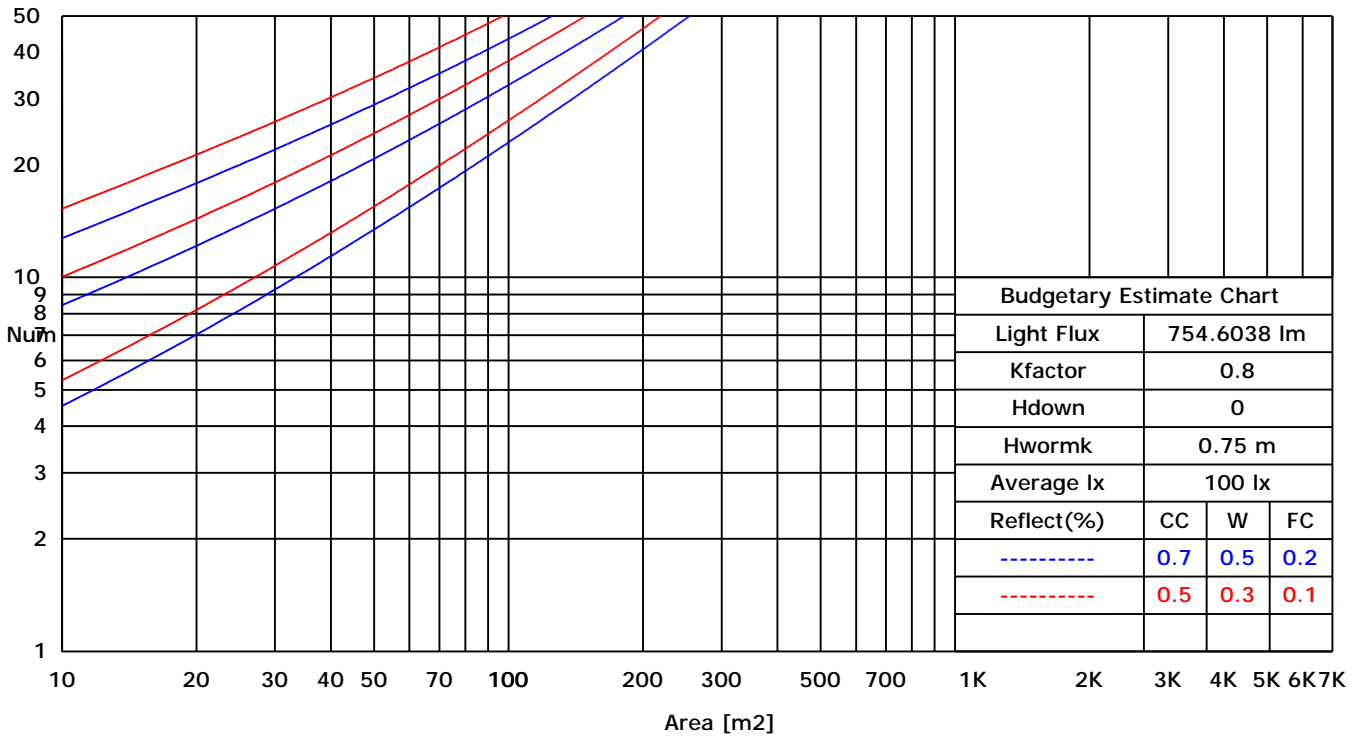
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UTILIZATION FACTORS TABLE

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	1.04	1.04	1.04	1.02	1.02	1.02	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.87
1	0.90	0.88	0.87	0.89	0.87	0.86	0.86	0.84	0.82	0.82	0.80	0.78	0.76	0.74	0.72	0.68
2	0.72	0.70	0.68	0.72	0.69	0.67	0.71	0.67	0.64	0.68	0.64	0.61	0.65	0.60	0.57	0.53
3	0.59	0.57	0.55	0.60	0.56	0.54	0.59	0.55	0.51	0.58	0.53	0.49	0.56	0.51	0.46	0.42
4	0.50	0.47	0.45	0.51	0.47	0.44	0.51	0.46	0.43	0.50	0.45	0.41	0.49	0.43	0.38	0.35
5	0.43	0.40	0.38	0.44	0.40	0.37	0.45	0.40	0.36	0.45	0.39	0.35	0.44	0.38	0.33	0.29
6	0.37	0.34	0.33	0.38	0.35	0.32	0.39	0.34	0.31	0.40	0.34	0.30	0.40	0.33	0.28	0.25
7	0.33	0.30	0.28	0.34	0.30	0.28	0.35	0.30	0.27	0.36	0.30	0.26	0.36	0.30	0.25	0.22
8	0.29	0.27	0.25	0.30	0.27	0.25	0.32	0.27	0.24	0.33	0.27	0.23	0.33	0.27	0.22	0.19
9	0.26	0.24	0.22	0.27	0.24	0.22	0.29	0.24	0.21	0.30	0.24	0.21	0.31	0.24	0.20	0.17
10	0.24	0.21	0.20	0.25	0.22	0.20	0.26	0.22	0.19	0.28	0.22	0.19	0.28	0.22	0.18	0.15

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



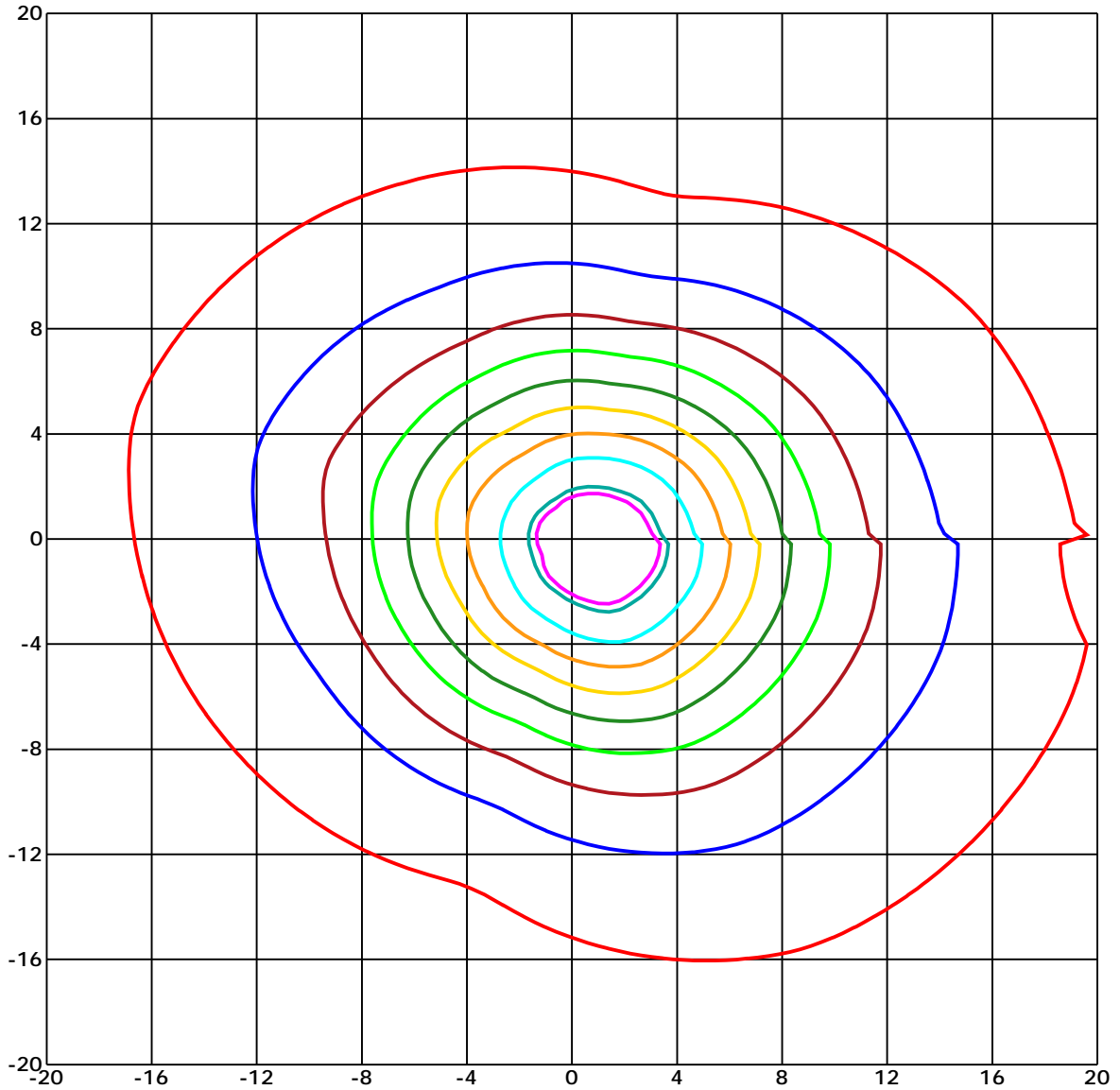
C Range: 0 - 360 Deg
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 Test Date: 2025/11/14 16:15:05

G Range: 0 - 90 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)

- | | |
|------------------|------------------|
| — 1.576(92%Emax) | — 0.857(50%Emax) |
| — 1.542(90%Emax) | — 0.685(40%Emax) |
| — 1.371(80%Emax) | — 0.514(30%Emax) |
| — 1.199(70%Emax) | — 0.343(20%Emax) |
| — 1.028(60%Emax) | — 0.171(10%Emax) |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 16:15:05

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

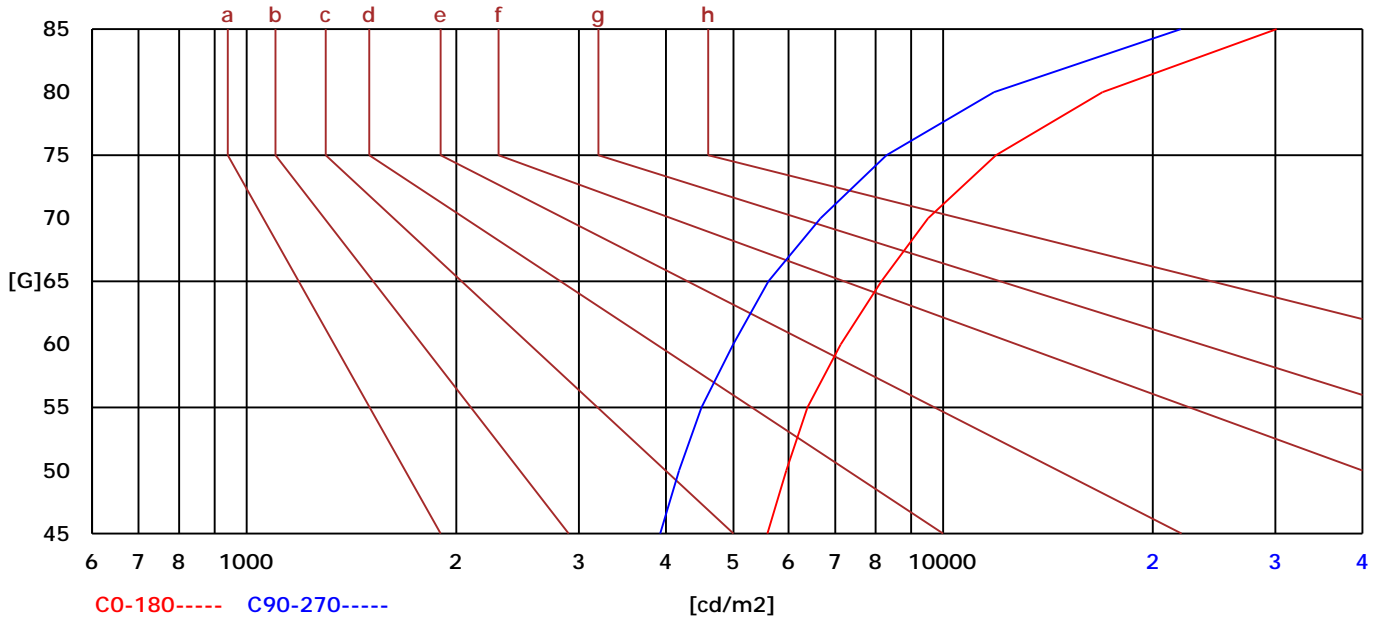
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BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	5597	5954	6386	7127	8157	9511	11904	16939	30107
C90	3926	4178	4500	4996	5615	6667	8290	11838	21950
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



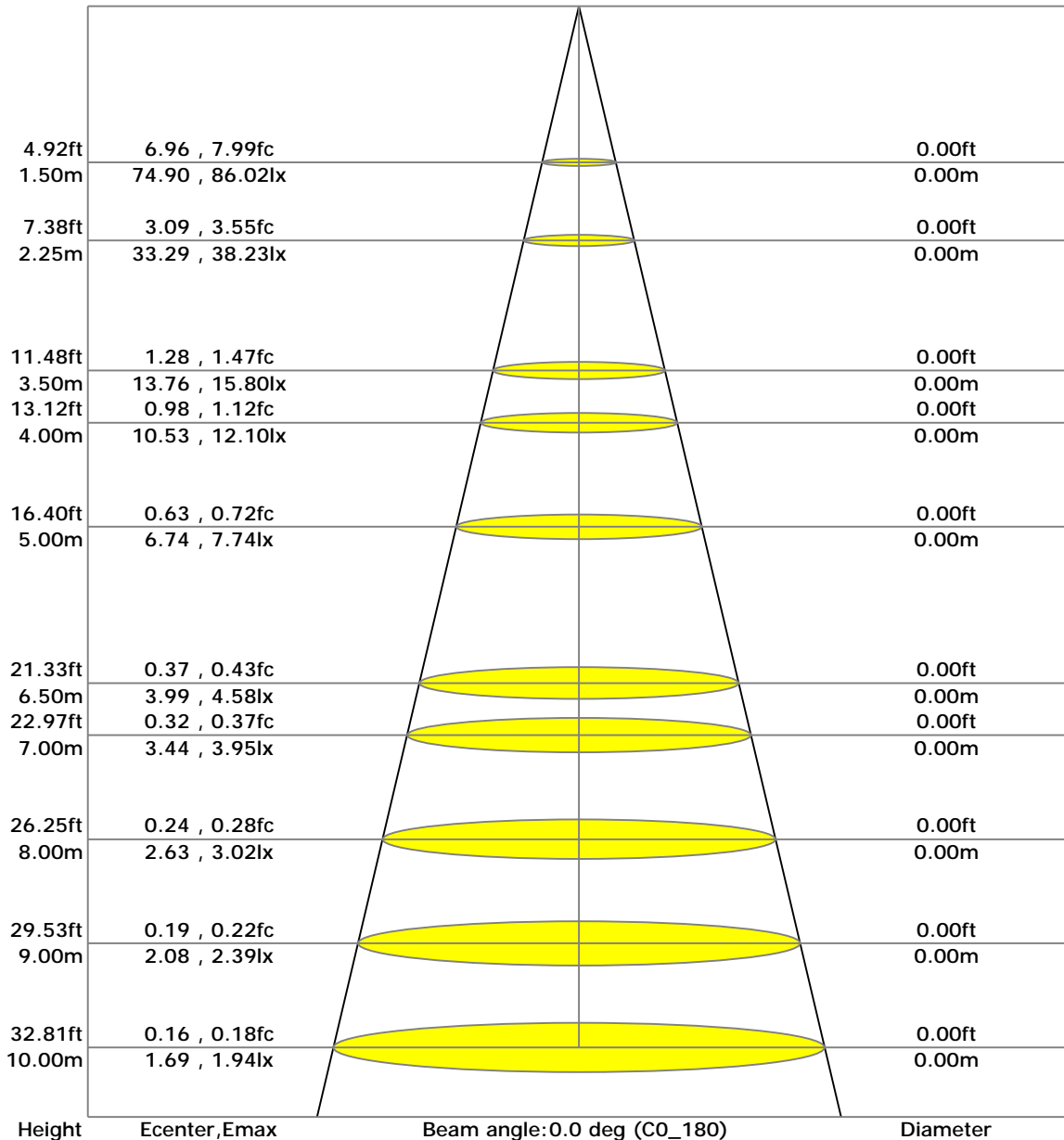
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G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
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 Humidity: 65
 Test Distance: 6.25 m
 Remarks:

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LX-DISTANCE DIAGRAM



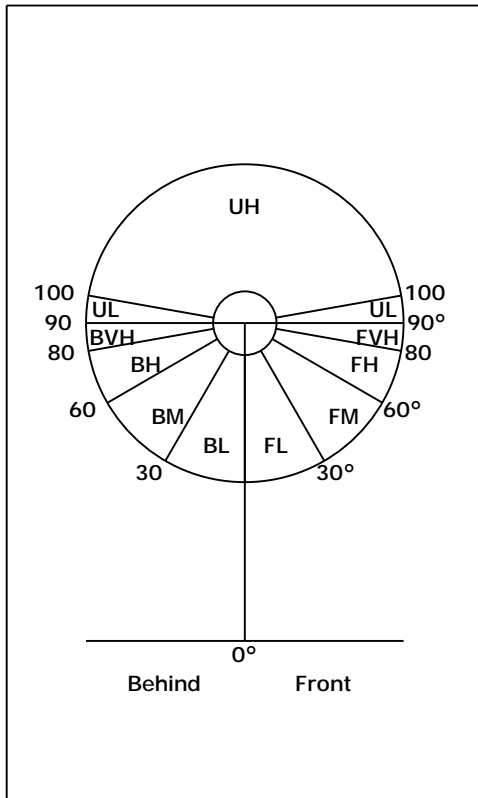
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
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G Range: 0 - 90 Deg
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 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 65
 Test Distance: 6.25 m
 Remarks:

Report No.:

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BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	372.2	49.3
FL (0°-30°)	67.6	9.0
FM (30°-60°)	153.3	20.3
FH (60°-80°)	105.2	13.9
FVH (80°-90°)	46.1	6.1

Behind	382.4	50.7
BL (0°-30°)	68.2	9.0
BM (30°-60°)	156.9	20.8
BH (60°-80°)	108.6	14.4
BVH (80°-90°)	48.7	6.5

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 G1
Symmetrical Lighting Fixtures (Type V , Area Light)	B0 U0 G1

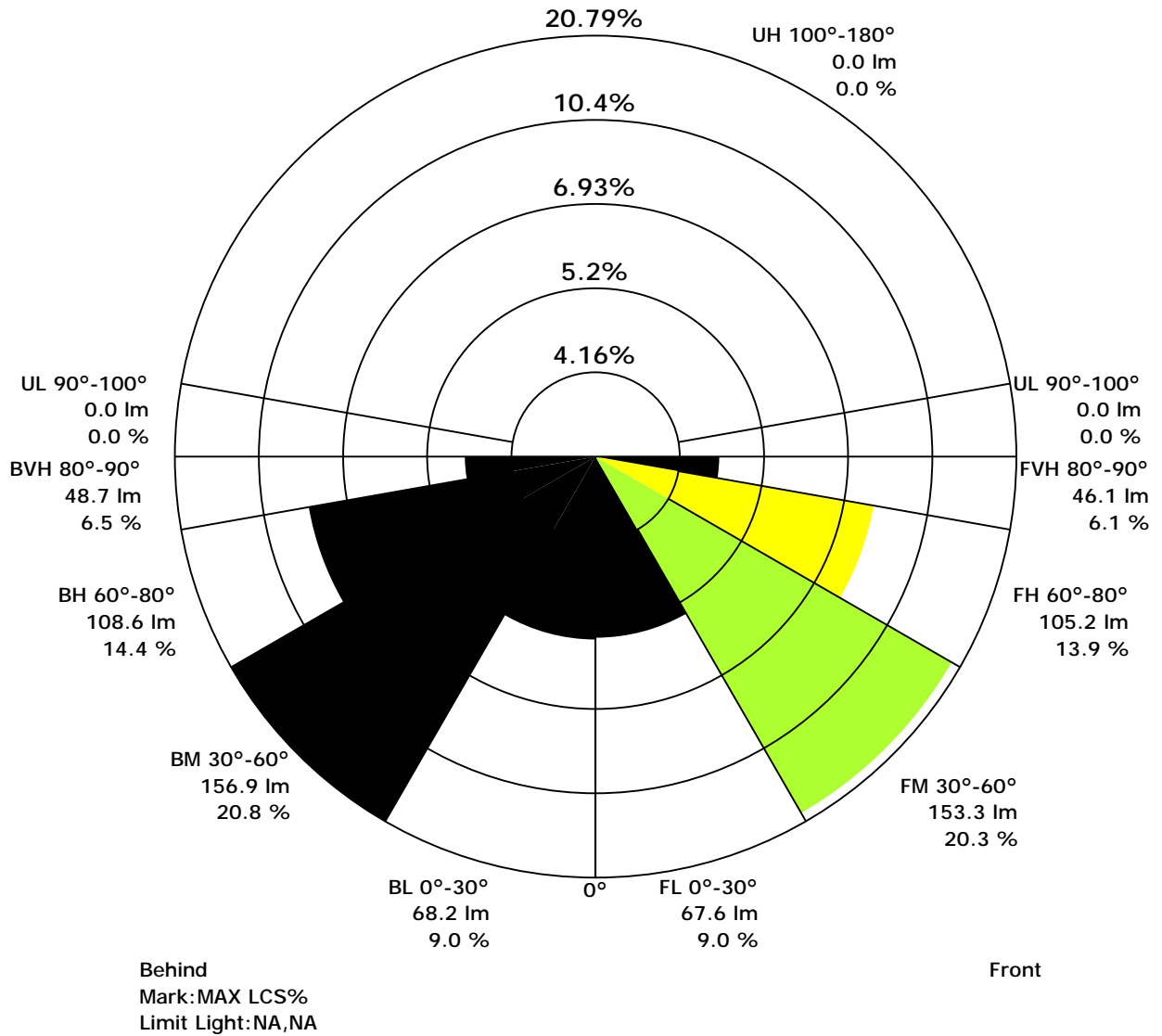
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 Operators:
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G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
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 Test Distance: 6.25 m
 Remarks:

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LCS 图



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
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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	21.86	22.80	21.48	22.71	22.71	19.20	20.13	18.82	20.05	20.05
	3H	21.53	22.40	21.24	22.38	22.44	19.54	20.41	19.25	20.39	20.45
	4H	21.31	22.13	21.06	22.14	22.25	19.64	20.47	19.40	20.48	20.58
	6H	21.05	21.83	20.87	21.88	22.03	19.60	20.37	19.41	20.42	20.57
	8H	20.92	21.67	20.76	21.74	21.91	19.46	20.22	19.31	20.28	20.46
	12H	20.78	21.51	20.66	21.60	21.79	19.33	20.05	19.20	20.14	20.34
4H	2H	26.78	27.60	26.54	27.61	27.72	20.48	21.30	20.24	21.31	21.42
	3H	26.64	27.36	26.51	27.45	27.65	21.26	21.98	21.13	22.07	22.27
	4H	26.46	27.12	26.40	27.25	27.51	21.70	22.37	21.64	22.50	22.75
	6H	26.19	26.79	26.21	26.97	27.28	22.12	22.72	22.14	22.90	23.21
	8H	26.04	26.60	26.10	26.81	27.15	22.27	22.82	22.32	23.03	23.37
	12H	25.88	26.39	25.99	26.63	27.01	22.27	22.78	22.37	23.01	23.39
8H	4H	29.61	30.36	29.45	30.43	30.60	20.67	21.42	20.51	21.49	21.66
	6H	29.71	30.17	29.85	30.44	30.85	23.05	23.51	23.20	23.78	24.19
	8H	29.60	30.01	29.79	30.31	30.76	23.58	23.99	23.78	24.29	24.74
	12H	29.46	29.81	29.70	30.13	30.62	24.09	24.44	24.34	24.77	25.26
12H	4H	31.12	31.63	31.22	31.87	32.24	22.21	22.72	22.31	22.95	23.33
	6H	31.19	31.60	31.38	31.90	32.35	23.20	23.61	23.40	23.91	24.36

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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	176.9	171.8	165.2	158.8	160.2	159.8	165.7	174.1	10	16.0	16.0	2.1	2.1
20	185.9	176.1	155.0	145.7	151.3	148.1	155.6	179.2	20	46.4	62.4	8.3	8.3
30	191.0	171.6	139.8	134.0	145.5	137.3	140.1	176.4	30	73.3	135.7	18.0	18.0
40	188.9	162.7	117.8	116.9	138.5	123.4	119.5	168.9	40	93.2	228.9	30.3	30.3
50	189.1	153.1	90.3	107.4	141.5	109.2	94.2	160.0	50	105.3	334.2	44.3	44.3
60	193.3	142.5	61.0	99.9	138.3	101.3	65.2	148.1	60	111.7	445.9	59.1	59.1
70	183.2	130.1	29.0	91.2	137.6	93.0	31.8	139.9	70	111.1	557.0	73.8	73.8
80	175.4	117.7	5.5	82.2	132.5	86.0	6.4	125.5	80	102.8	659.8	87.4	87.4
90	165.3	96.4	0.0	74.8	116.5	81.3	0.8	112.3	90	94.8	754.6	100.0	100.0

Conical surface Flux(90deg) : 280.3 lm

%lum = 37.1%

%lamp = 37.1%

Conical surface Flux(120deg) : 445.9 lm

%lum = 59.1%

%lamp = 59.1%

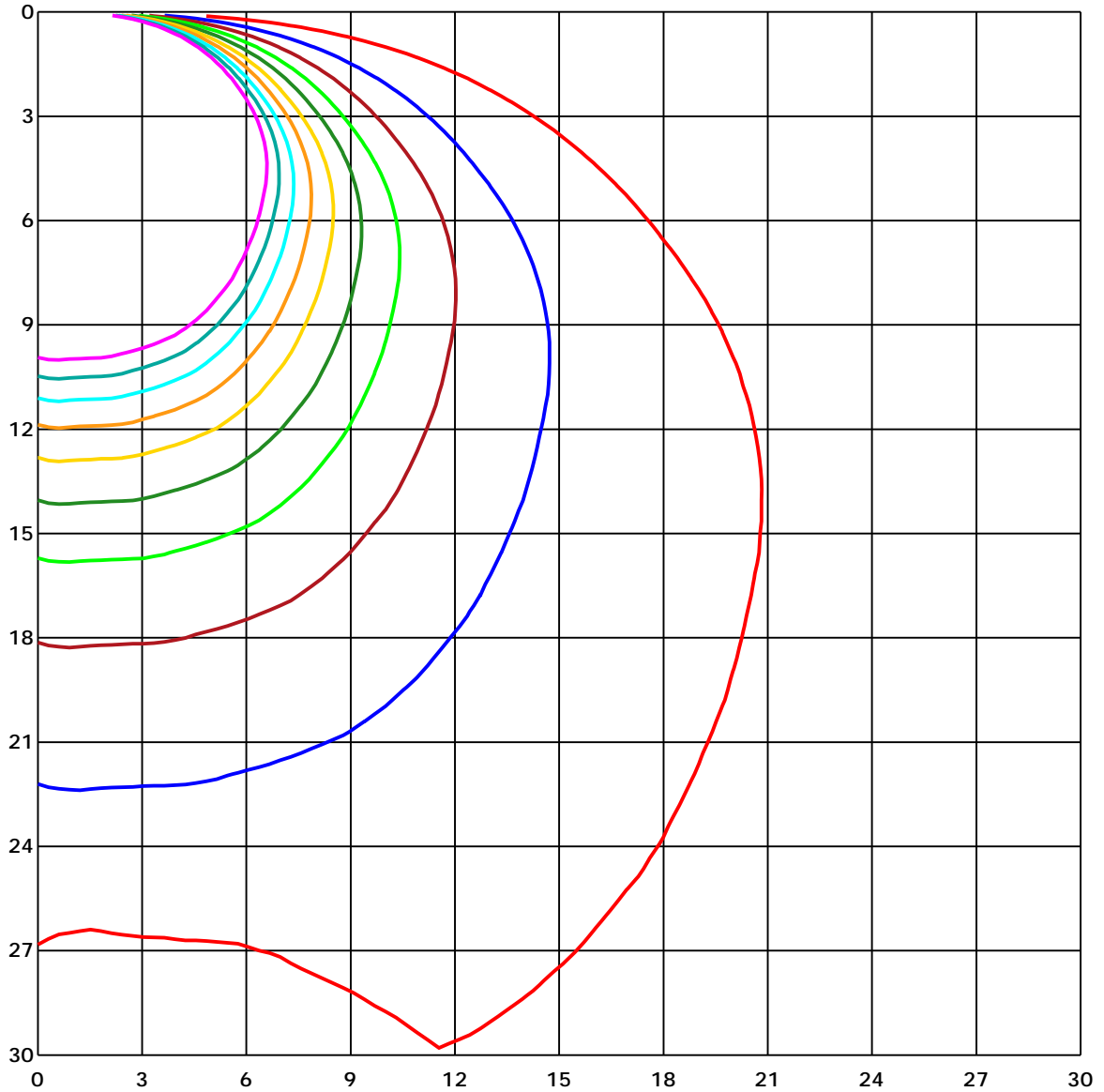
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SPACE ISOLX DIAGRAM



Unit of illumination: lx

- | | |
|---------|---------|
| — 1.709 | — 0.854 |
| — 1.538 | — 0.683 |
| — 1.367 | — 0.513 |
| — 1.196 | — 0.342 |
| — 1.025 | — 0.171 |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 16:15:05

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 DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360
G0	168.52	168.16	169.1	168.55	168.52	168.16	169.1	168.55	168.52
G1	170.35	169.22	168.24	166.99	167.27	167.5	168.87	169.02	170.35
G2	171.13	169.57	168.63	165.82	165.78	165.7	168.87	170.66	171.13
G3	172.03	170.16	168.36	164.45	164.69	165.12	169.02	171.84	172.03
G4	171.88	170.59	168.01	164.1	164.26	163.98	168.36	171.8	171.88
G5	172.15	170.94	167.66	162.89	163.71	163.52	167.93	172.38	172.15
G6	172.66	171.48	167.27	162.54	162.97	162.27	167.54	172.77	172.66
G7	173.63	171.56	167.19	161.6	162.46	160.98	167.66	173.67	173.63
G8	174.3	171.02	166.29	161.09	161.76	160.63	167.03	173.98	174.3
G9	175.66	171.52	165.39	160.12	161.17	160.27	166.05	174.18	175.66
G10	176.91	171.76	165.2	158.83	160.16	159.77	165.66	174.06	176.91
G11	178.32	172.77	164.18	156.29	158.59	158.79	164.84	174.61	178.32
G12	178.98	172.46	163.67	155.31	156.13	157.19	164.34	174.92	178.98
G13	180.16	173.2	162.89	153.75	155.0	155.7	163.13	175.16	180.16
G14	180.27	173.24	161.72	152.62	152.85	154.02	162.54	175.74	180.27
G15	181.09	174.49	160.74	151.56	152.46	152.38	161.05	176.37	181.09
G16	182.03	174.88	160.04	150.43	151.21	151.09	160.08	177.46	182.03
G17	183.13	175.27	159.26	149.14	151.25	150.51	158.59	177.3	183.13
G18	183.87	175.98	158.13	148.05	150.98	149.57	158.32	178.32	183.87
G19	185.12	175.98	155.94	147.07	151.33	148.52	156.6	178.75	185.12
G20	185.86	176.13	155.0	145.66	151.25	148.13	155.63	179.22	185.86
G21	186.91	175.7	153.36	144.18	151.41	146.76	153.83	179.18	186.91
G22	187.97	175.04	152.62	142.58	150.63	145.66	152.5	179.49	187.97
G23	189.38	174.88	150.86	141.05	150.31	145.0	151.52	179.41	189.38
G24	189.69	174.3	149.26	140.51	149.84	143.63	149.53	178.98	189.69
G25	189.92	174.1	147.77	139.61	150.23	142.85	147.7	178.16	189.92
G26	190.31	173.24	146.6	139.1	149.88	141.13	146.56	177.81	190.31
G27	190.66	173.09	145.08	137.93	149.53	139.65	144.8	177.38	190.66
G28	190.39	172.73	143.16	136.95	148.16	138.67	143.24	177.5	190.39
G29	190.82	172.17	141.56	135.59	146.72	138.01	141.45	176.68	190.82
G30	190.98	171.6	139.77	134.02	145.55	137.27	140.08	176.45	190.98
G31	190.55	171.05	137.73	133.2	144.41	135.43	138.13	176.41	190.55
G32	190.27	170.2	135.86	132.07	142.77	134.92	136.8	175.66	190.27
G33	190.23	169.14	133.67	130.27	141.6	134.1	134.06	174.61	190.23
G34	190.2	167.93	131.68	129.3	140.2	132.89	132.03	174.45	190.2
G35	190.82	167.42	129.34	127.11	139.96	131.52	130.08	174.02	190.82
G36	190.16	166.29	127.62	125.39	139.26	130.2	127.81	172.85	190.16

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 16:15:05

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 DISTRIBUTION INTENSITY DATA(Continue 1)

GammaC	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	190.43	165.0	125.47	123.36	139.14	129.02	125.66	171.72	190.43	
G38	189.38	164.34	122.93	121.41	138.87	127.42	123.67	170.63	189.38	
G39	189.3	163.05	120.51	119.38	138.83	125.43	121.29	170.27	189.3	
G40	188.91	162.73	117.81	116.91	138.52	123.44	119.45	168.95	188.91	
G41	188.87	161.6	115.2	114.96	138.55	121.56	116.99	167.81	188.87	
G42	188.36	160.86	112.62	113.44	138.98	119.18	114.92	167.23	188.36	
G43	188.63	160.2	109.69	112.34	139.96	116.99	112.77	166.33	188.63	
G44	188.36	158.91	106.95	111.91	140.78	114.18	110.35	165.86	188.36	
G45	189.02	158.32	104.18	111.05	141.48	112.97	107.81	164.84	189.02	
G46	188.55	156.95	101.56	110.63	141.41	111.84	105.27	164.02	188.55	
G47	188.75	156.05	98.75	109.61	141.99	111.02	102.27	163.32	188.75	
G48	188.71	155.27	96.05	108.91	141.52	110.0	100.08	162.03	188.71	
G49	189.02	154.1	93.09	108.05	141.72	109.38	96.72	161.29	189.02	
G50	189.1	153.09	90.27	107.42	141.52	109.22	94.18	160.04	189.1	
G51	189.92	152.03	87.19	106.13	141.29	108.44	91.05	159.1	189.92	
G52	190.23	150.04	84.61	105.59	140.51	107.58	88.24	158.2	190.23	
G53	191.6	149.61	81.64	104.73	139.92	106.88	85.59	156.84	191.6	
G54	191.64	147.85	78.79	104.02	138.83	106.29	82.7	155.9	191.64	
G55	192.46	146.52	75.98	103.24	138.71	105.55	79.73	154.8	192.46	
G56	192.7	146.05	73.24	102.62	138.24	104.69	76.8	153.4	192.7	
G57	193.44	144.8	70.27	102.07	138.36	103.95	73.83	151.6	193.44	
G58	193.55	143.95	67.15	101.41	137.89	103.01	71.02	150.47	193.55	
G59	193.52	143.09	64.1	100.55	138.24	102.3	68.01	149.45	193.52	
G60	193.32	142.54	61.02	99.92	138.28	101.29	65.16	148.09	193.32	
G61	193.48	141.84	57.7	98.83	138.52	100.74	62.03	147.62	193.48	
G62	192.38	140.74	54.69	98.01	138.36	99.96	58.87	147.15	192.38	
G63	192.66	139.96	51.41	96.72	138.83	99.3	55.23	146.25	192.66	
G64	191.29	139.02	48.2	95.66	138.4	98.4	52.03	145.82	191.29	
G65	190.66	137.89	44.8	94.92	138.16	97.42	48.52	144.84	190.66	
G66	189.3	136.6	41.64	93.95	138.2	96.17	45.43	144.38	189.3	
G67	188.36	134.84	38.44	93.05	138.59	95.12	41.84	143.2	188.36	
G68	186.33	132.97	35.27	92.81	138.44	93.95	38.52	142.46	186.33	
G69	185.16	131.45	32.11	91.88	138.63	93.13	35.04	141.25	185.16	
G70	183.24	130.12	29.02	91.21	137.62	93.05	31.84	139.92	183.24	
G71	182.38	128.95	26.02	90.16	137.38	92.38	28.59	137.58	182.38	
G72	181.09	127.03	22.93	89.1	136.41	91.99	25.39	135.94	181.09	
G73	180.74	125.86	20.08	87.89	135.55	91.37	22.42	133.28	180.74	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/14 16:15:05

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

Remarks:

