

Report No.:

Test Time: 2025/11/21 13:58:50

LUMINAIRE PHOTOMETRIC TEST REPORT

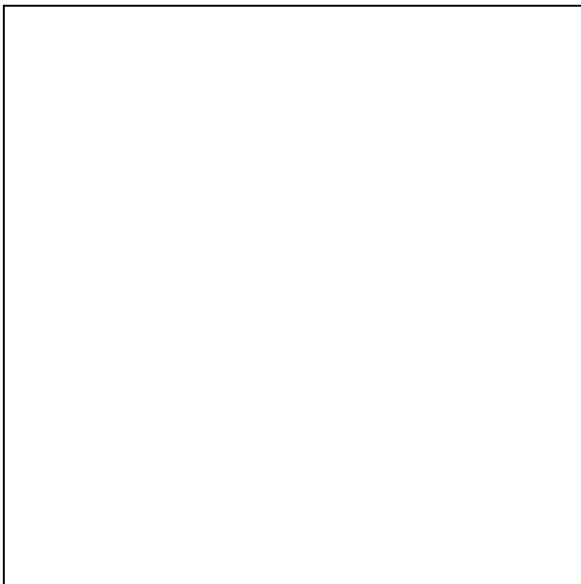
Luminaire Property

Manufacturer: 0	Voltage(V): 119.30 V
Luminaire Type: 29497LEDD-MBL/CFR	Current(A): 0.0880 A
Lamp Type:	Power(W): 10.12 W
Luminous Width: 0 mm	Power Factor: 0.9550
Luminous Length: 0 mm	Lamp Luminous Flux: 483.28
Luminous Height: 0 mm	

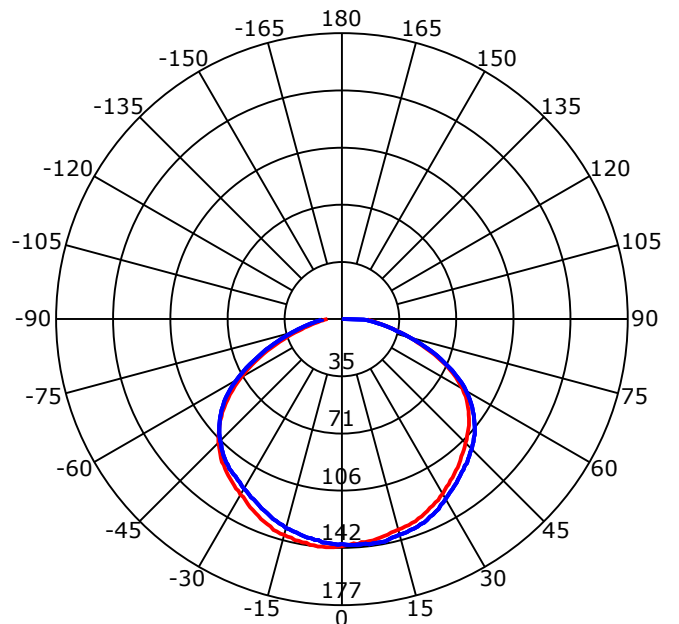
Photometric Results

CIE Class: Direct	Max. Intensity: 141.60 cd
Luminaire Luminous Flux: 483.2773 lm	Max.Intensity Angle: C=135 Gamma=8
Downward Ratio: 100.00%	Upward Ratio: 0.00%
Luminaire Efficacy Rating(LER): 47.75 lm/W	Efficacy: 100.00%
Beam Angle(50%) C0-180,C90-270: 126.5,128.4	Center Intensity: 140.66 cd
Field Angle(10%) C0-180,C90-270: 90.0,175.2	Effective Luminous Flux: 480.77 lm
S/MH C0-180,C90-270: 1.299,1.299	ERP(φ use)(120deg): 355.16 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 126.5 deg,128.4 deg

Average Beam Angle:127.4 deg

C0-180 — C90-270 —

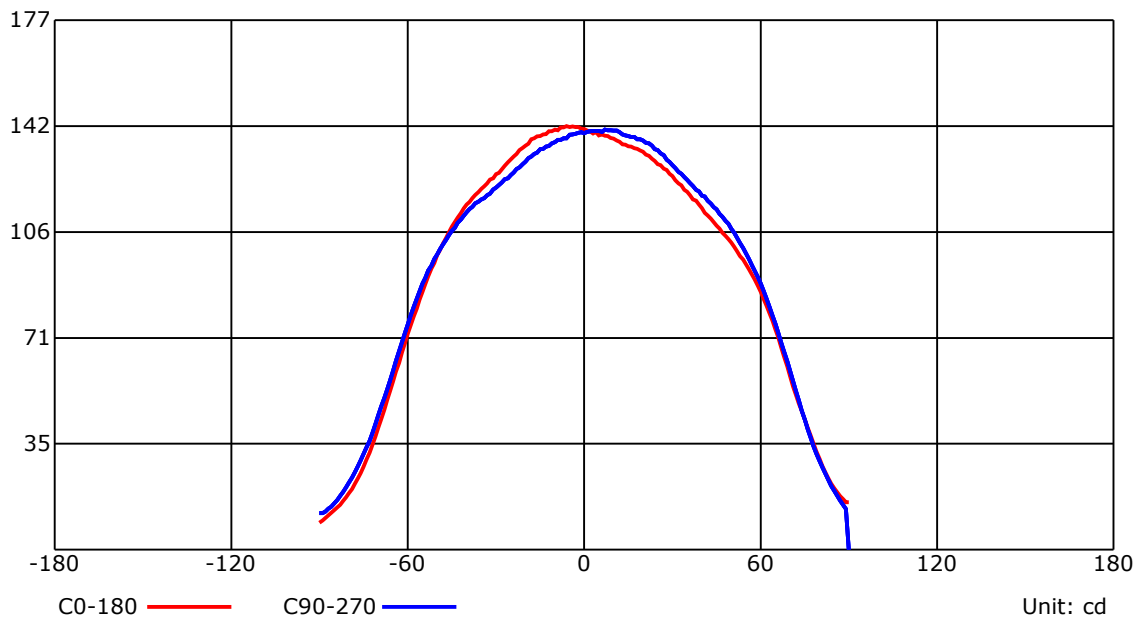
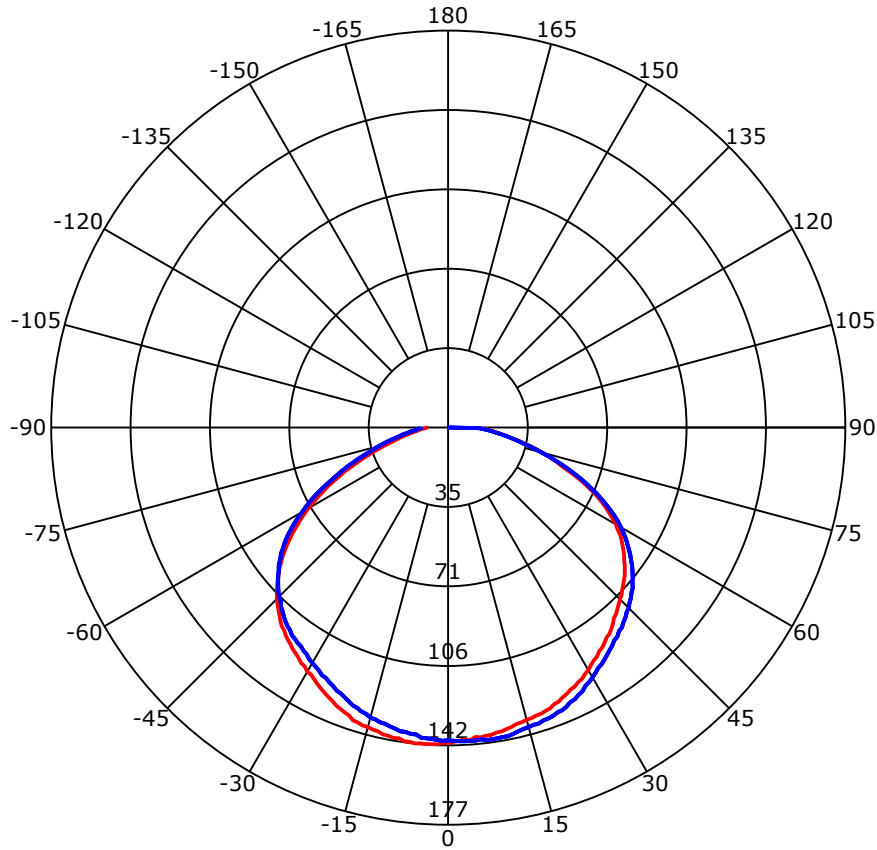
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2025/11/21 13:58:50

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



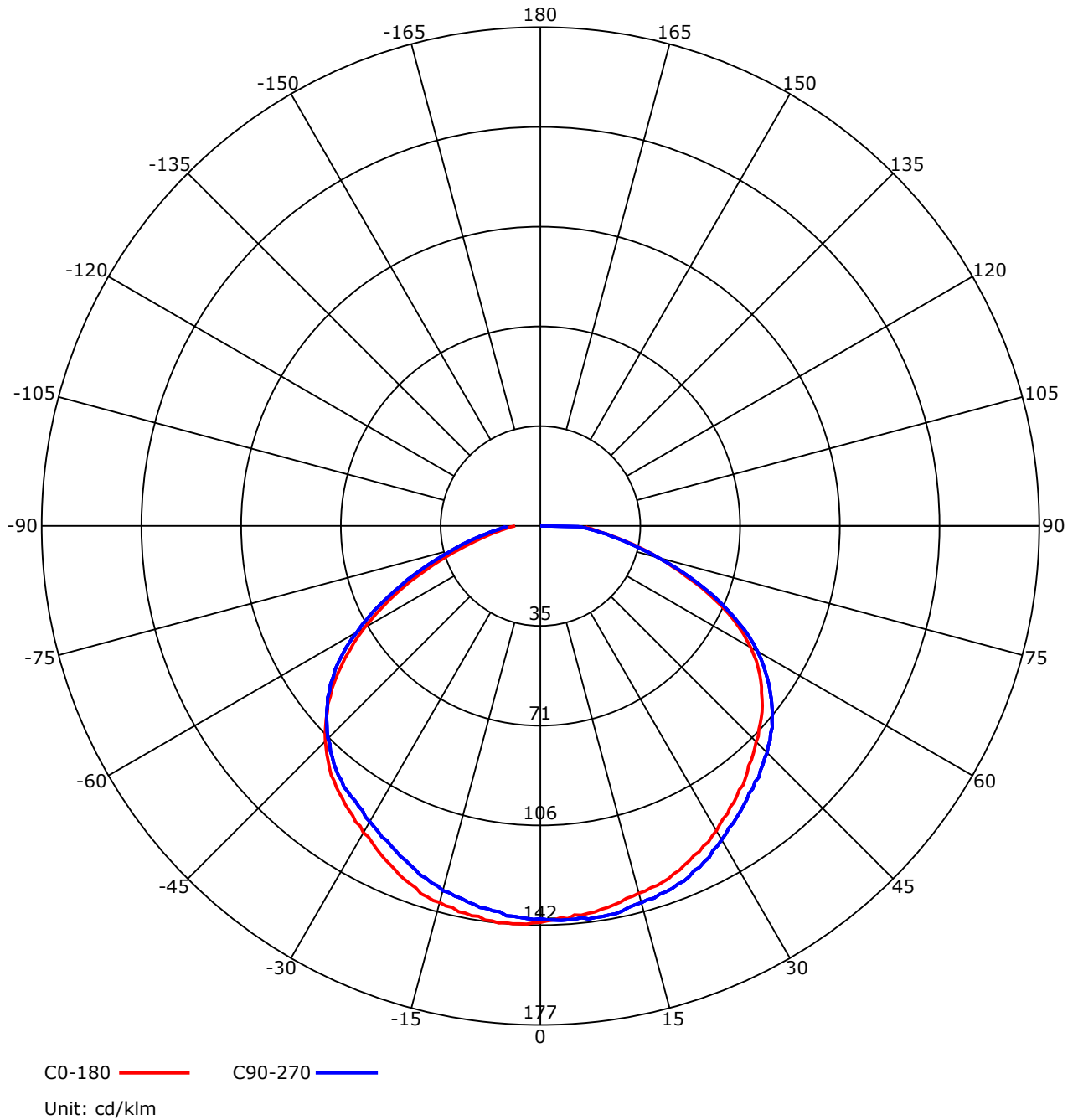
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Luminous Intensity Distribution Curve



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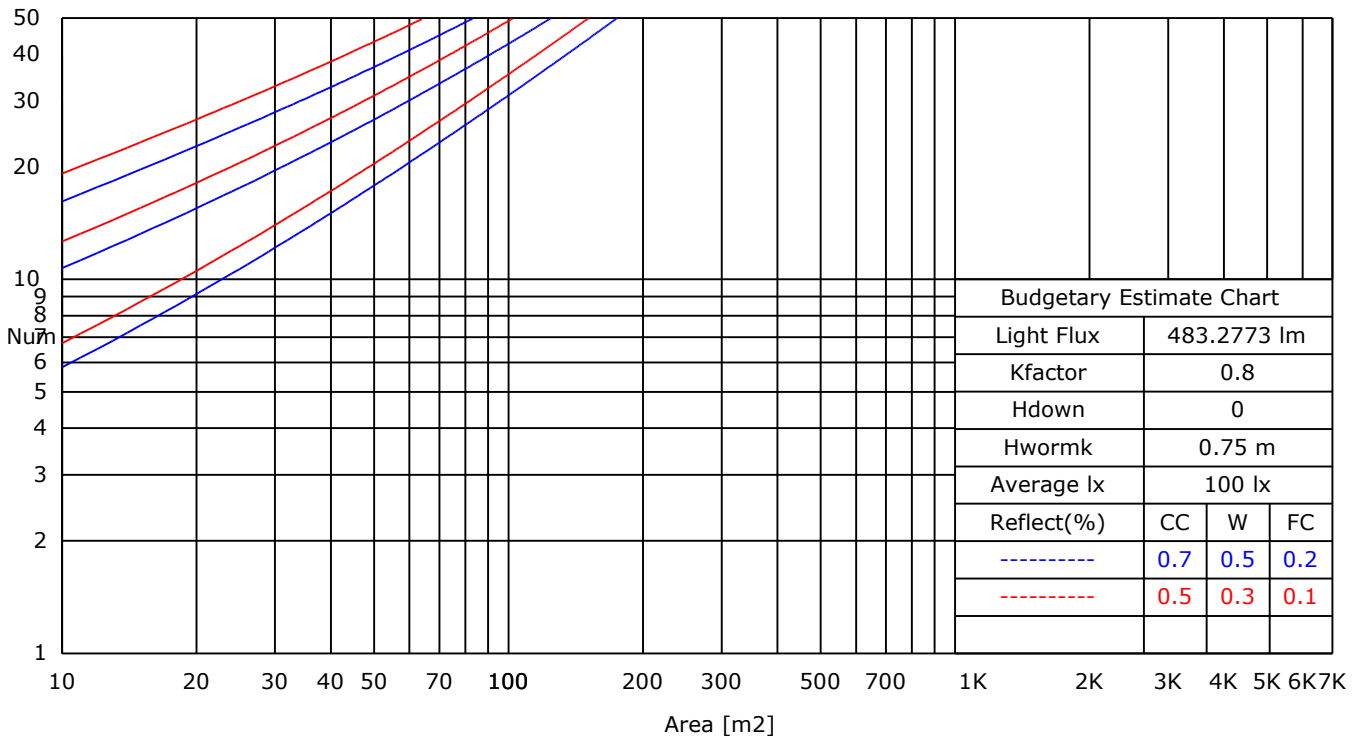
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UTILIZATION FACTORS TABLE

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	1.14	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	1.00	0.99	0.97	0.99	0.97	0.96	0.96	0.94	0.92	0.91	0.89	0.87	0.85	0.83	0.81	0.76
2	0.84	0.81	0.79	0.83	0.80	0.78	0.81	0.78	0.75	0.78	0.74	0.71	0.74	0.70	0.66	0.62
3	0.71	0.68	0.66	0.71	0.67	0.64	0.70	0.65	0.62	0.68	0.63	0.59	0.65	0.60	0.55	0.51
4	0.60	0.57	0.55	0.61	0.57	0.54	0.61	0.56	0.52	0.60	0.54	0.50	0.58	0.52	0.47	0.43
5	0.52	0.49	0.47	0.53	0.49	0.46	0.53	0.48	0.45	0.53	0.47	0.43	0.52	0.45	0.40	0.37
6	0.45	0.43	0.41	0.46	0.43	0.40	0.47	0.42	0.39	0.47	0.41	0.37	0.47	0.40	0.35	0.32
7	0.40	0.37	0.36	0.41	0.37	0.35	0.42	0.37	0.34	0.43	0.37	0.32	0.43	0.36	0.31	0.28
8	0.36	0.33	0.32	0.37	0.33	0.31	0.38	0.33	0.30	0.39	0.33	0.29	0.39	0.33	0.28	0.25
9	0.32	0.30	0.28	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
10	0.29	0.27	0.25	0.30	0.27	0.25	0.32	0.27	0.24	0.33	0.27	0.23	0.34	0.27	0.22	0.20

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



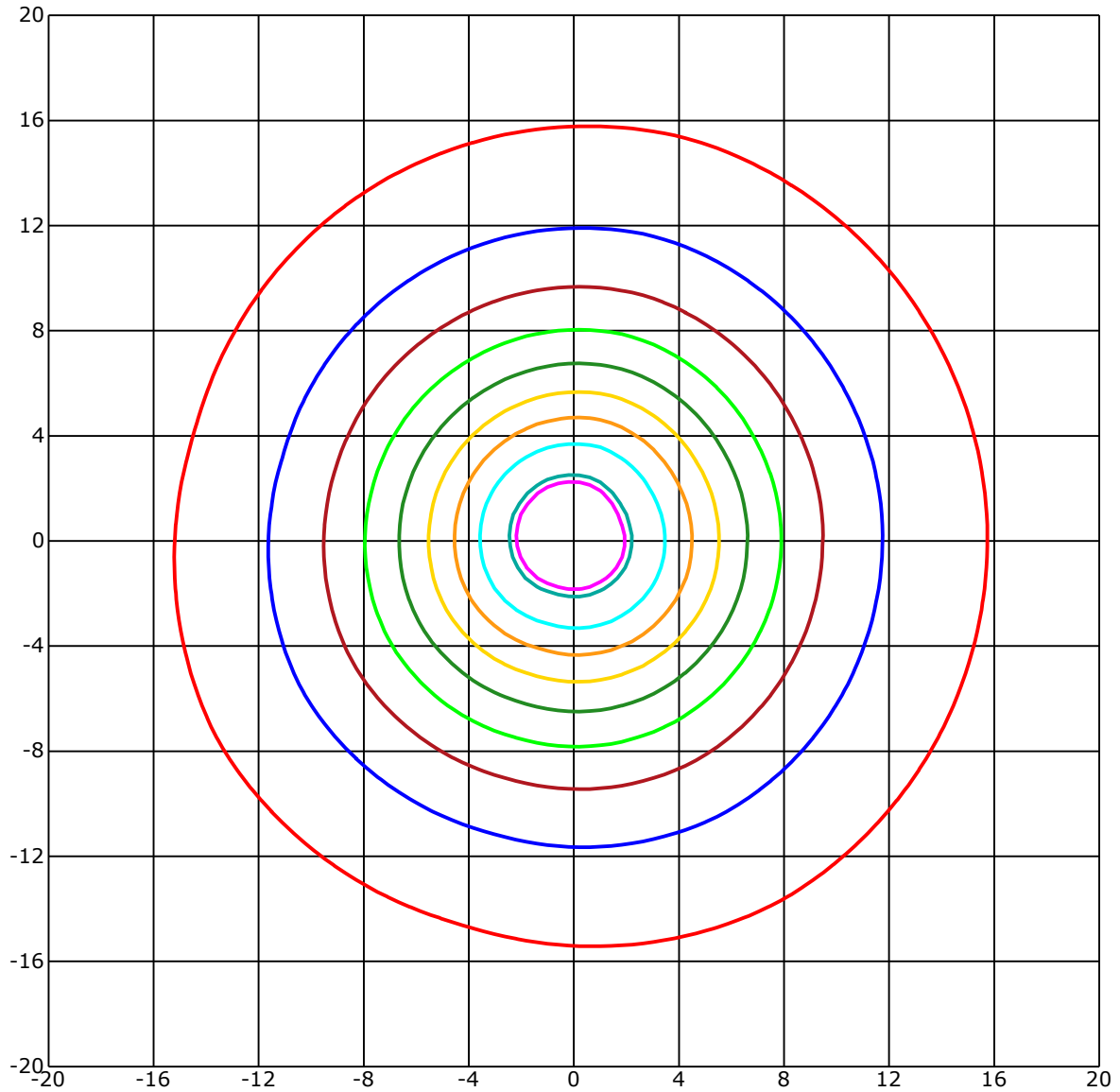
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G Range: 0 - 90 Deg
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 Humidity: 65
 Test Distance: 6.25 m
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ISOLX DIAGRAM



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

- | | |
|------------------|------------------|
| — 1.297(92%Emax) | — 0.705(50%Emax) |
| — 1.269(90%Emax) | — 0.564(40%Emax) |
| — 1.128(80%Emax) | — 0.423(30%Emax) |
| — 0.987(70%Emax) | — 0.282(20%Emax) |
| — 0.846(60%Emax) | — 0.141(10%Emax) |

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 Test Speed: High
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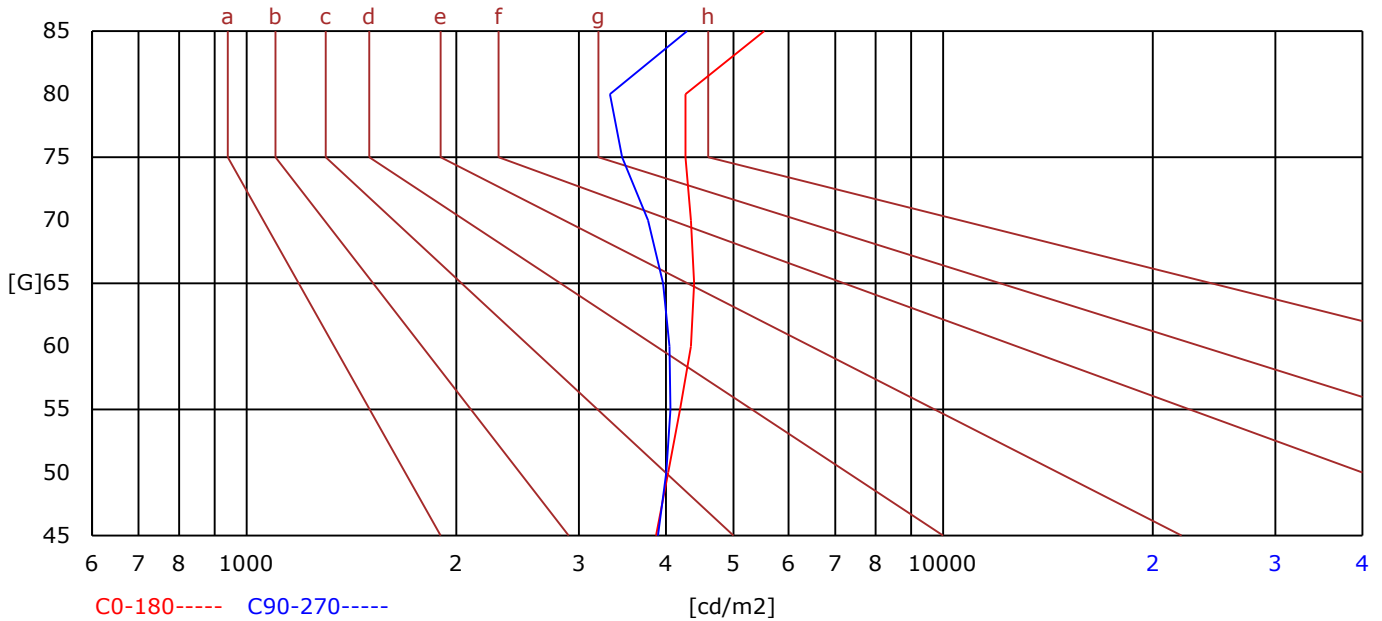
G Range: 0 - 90 Deg
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BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	3873	4032	4192	4344	4390	4346	4267	4268	5535
C90	3896	4003	4062	4049	3963	3772	3460	3324	4291
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



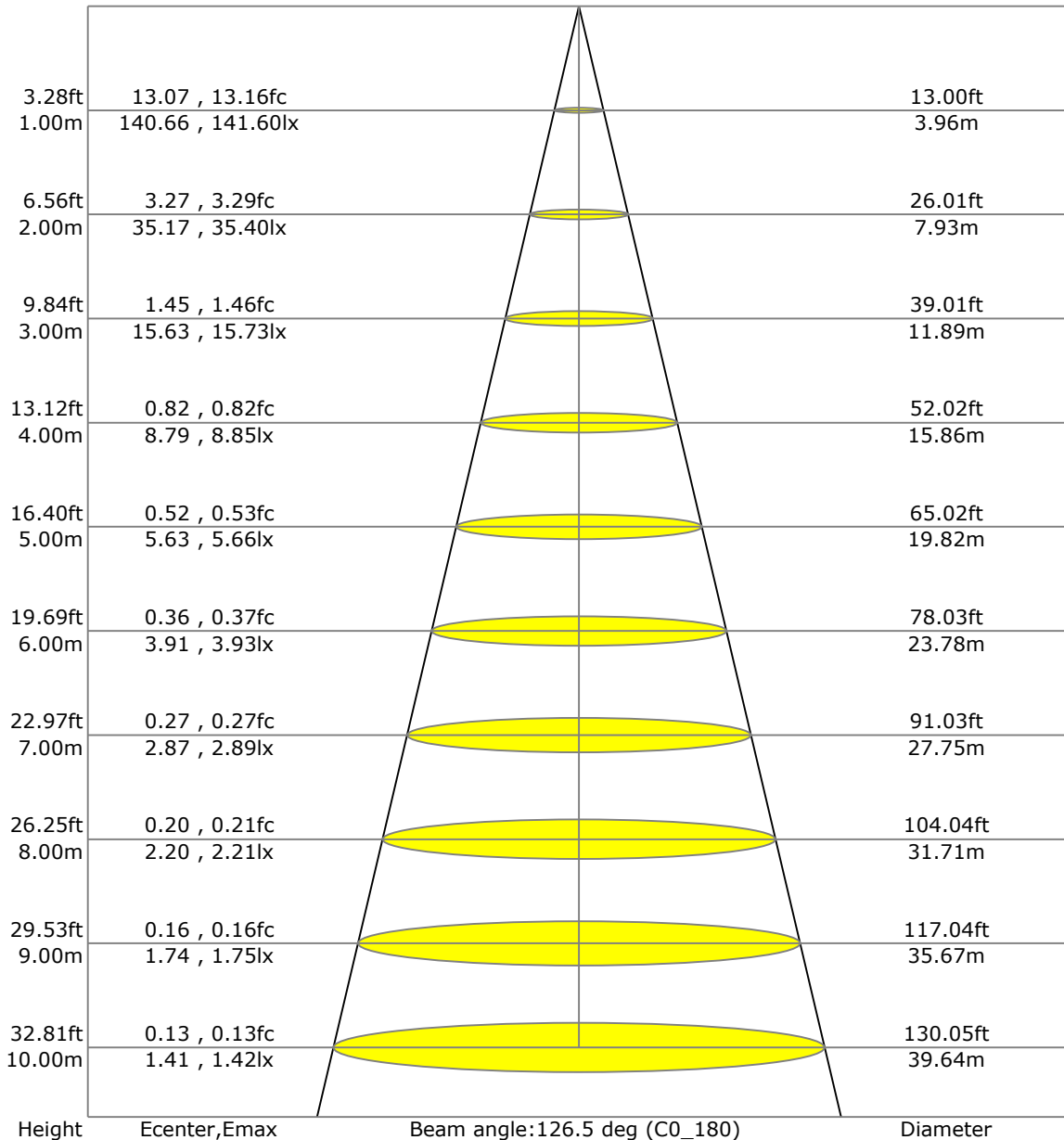
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G Range: 0 - 90 Deg
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 Humidity: 65
 Test Distance: 6.25 m
 Remarks:

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LX-DISTANCE DIAGRAM



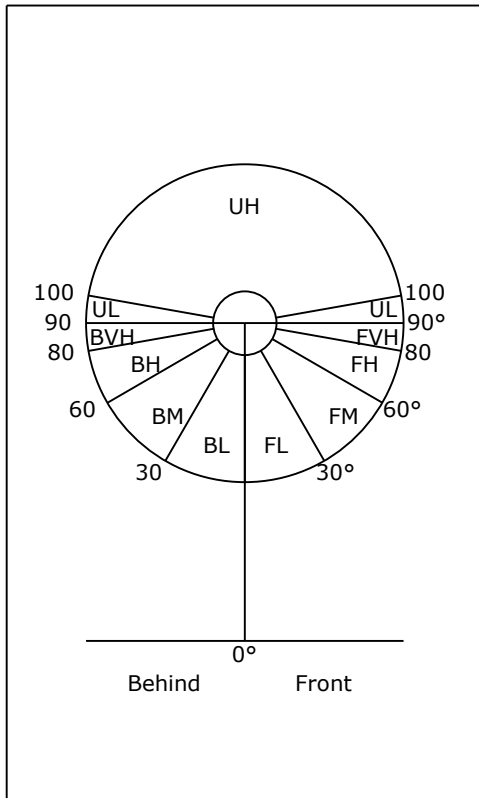
C Range: 0 - 360 Deg
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 Temperature: 25
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G Range: 0 - 90 Deg
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 Humidity: 65
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BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	245.0	50.7
FL (0°-30°)	56.3	11.7
FM (30°-60°)	122.8	25.4
FH (60°-80°)	55.8	11.6
FVH (80°-90°)	10.0	2.1

Behind	238.3	49.3
BL (0°-30°)	55.3	11.4
BM (30°-60°)	120.7	25.0
BH (60°-80°)	51.9	10.7
BVH (80°-90°)	10.4	2.1

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

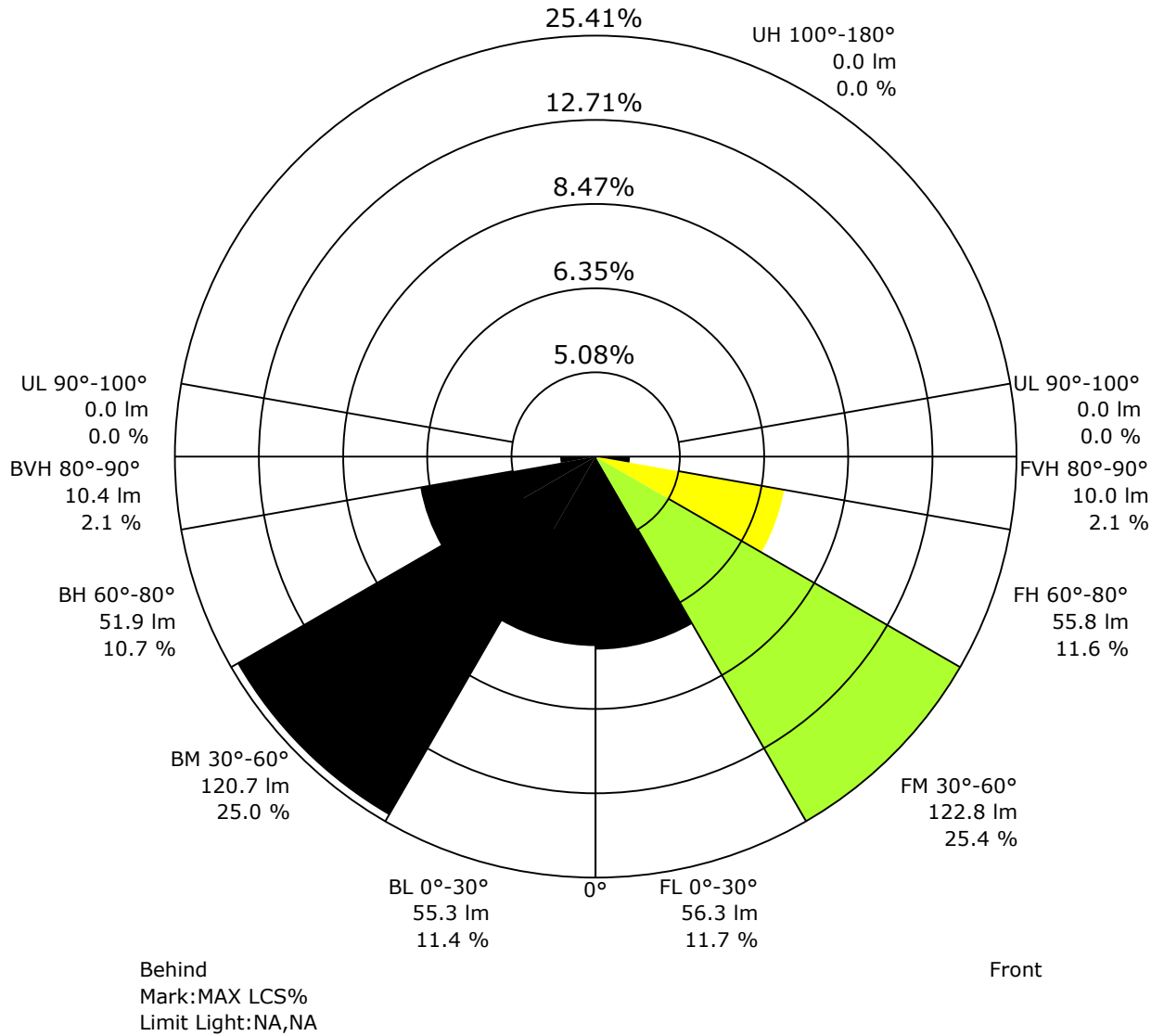
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G Range: 0 - 90 Deg
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LCS 图



C Range: 0 - 360 Deg
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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	19.69	20.51	19.40	20.51	20.58	19.79	20.61	19.50	20.61	20.69
	3H	19.49	20.25	19.28	20.30	20.44	19.58	20.34	19.37	20.39	20.53
	4H	19.31	20.03	19.15	20.11	20.29	19.40	20.12	19.24	20.21	20.38
	6H	19.08	19.76	18.98	19.88	20.09	19.18	19.85	19.07	19.97	20.19
	8H	18.96	19.61	18.87	19.74	19.98	19.05	19.70	18.97	19.84	20.07
	12H	18.83	19.45	18.77	19.61	19.87	18.92	19.55	18.87	19.70	19.96
4H	2H	22.19	22.91	22.03	22.99	23.17	22.21	22.93	22.05	23.01	23.18
	3H	22.11	22.73	22.06	22.89	23.15	22.12	22.75	22.07	22.90	23.16
	4H	21.97	22.54	21.98	22.74	23.04	21.98	22.56	21.99	22.75	23.06
	6H	21.77	22.28	21.85	22.51	22.87	21.78	22.29	21.86	22.52	22.89
	8H	21.64	22.12	21.76	22.38	22.77	21.66	22.13	21.77	22.39	22.78
	12H	21.51	21.94	21.66	22.22	22.64	21.52	21.96	21.67	22.24	22.65
8H	4H	22.86	23.51	22.78	23.64	23.88	22.80	23.45	22.72	23.59	23.82
	6H	22.80	23.19	22.99	23.50	23.95	22.76	23.15	22.95	23.46	23.91
	8H	22.73	23.08	22.96	23.40	23.89	22.69	23.04	22.92	23.36	23.85
	12H	22.63	22.93	22.91	23.28	23.80	22.59	22.89	22.86	23.24	23.76
12H	4H	23.17	23.61	23.32	23.89	24.31	23.10	23.54	23.26	23.82	24.24
	6H	23.17	23.52	23.40	23.85	24.33	23.11	23.46	23.34	23.79	24.27

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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	137.4	137.4	140.1	140.8	140.4	138.4	136.3	136.3	10	13.3	13.3	2.7	2.7
20	133.1	133.0	136.8	136.3	135.1	133.8	129.8	131.7	20	38.5	51.8	10.7	10.7
30	124.9	125.0	128.6	125.9	125.6	125.0	121.1	123.2	30	59.8	111.6	23.1	23.1
40	114.2	114.5	118.4	115.7	115.4	117.0	112.8	114.9	40	75.3	187.0	38.7	38.7
50	102.7	103.7	107.3	102.9	98.5	104.1	98.7	104.5	50	84.7	271.6	56.2	56.2
60	86.2	86.9	88.9	81.0	72.1	81.7	75.2	87.2	60	83.5	355.2	73.5	73.5
70	57.9	59.5	59.6	51.6	40.8	48.9	44.9	58.4	70	67.3	422.4	87.4	87.4
80	30.3	29.6	29.6	23.1	18.9	23.9	22.4	30.0	80	40.5	462.9	95.8	95.8
90	15.9	14.6	0.0	11.2	9.0	74.4	12.2	74.0	90	20.3	483.3	100.0	100.0

Conical surface Flux(90deg) : 228.6 lm

%lum = 47.3%

%lamp = 47.3%

Conical surface Flux(120deg) : 355.2 lm

%lum = 73.5%

%lamp = 73.5%

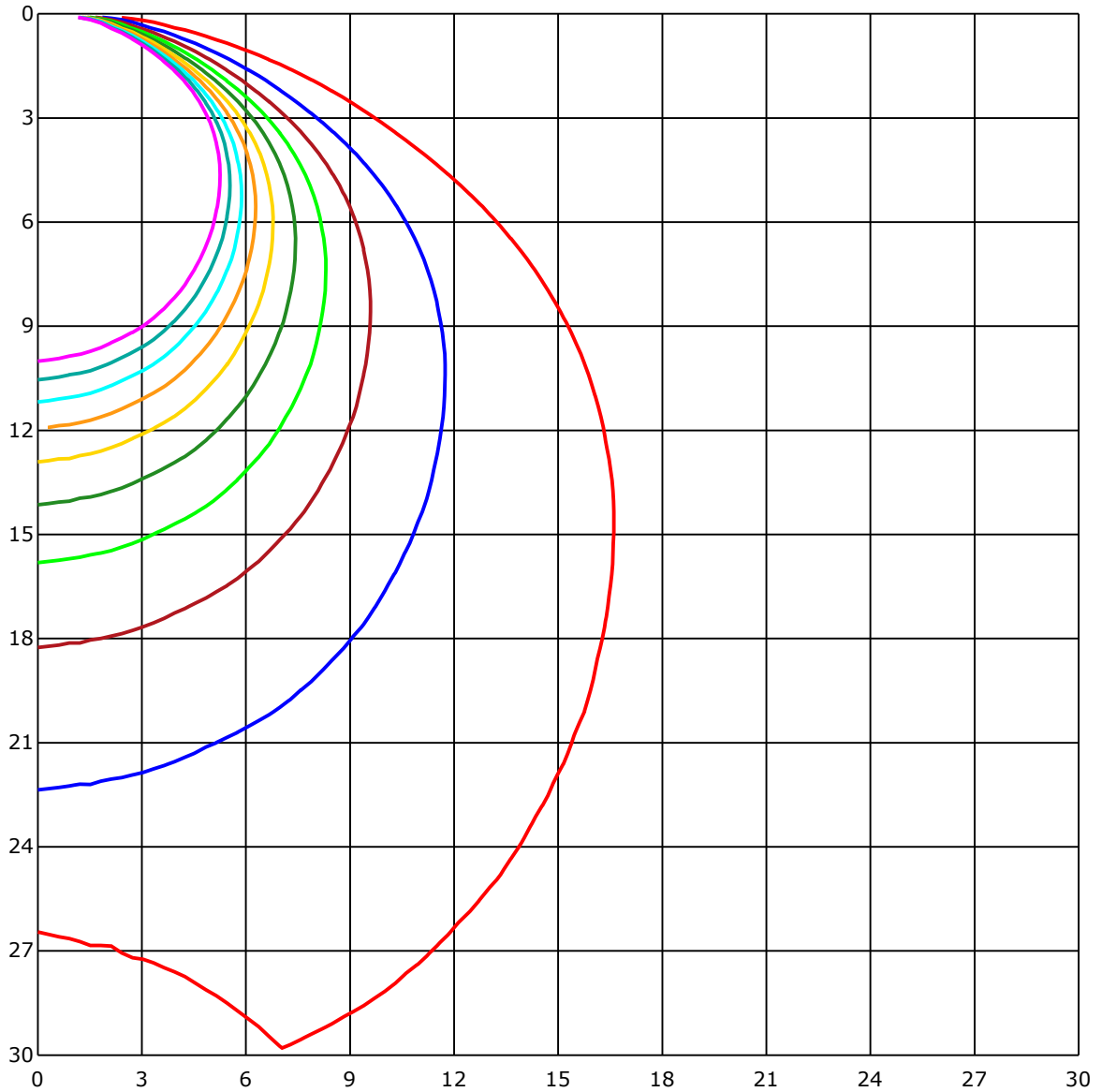
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SPACE ISOLX DIAGRAM



Unit of illumination:lx

- | | |
|---------|---------|
| — 1.407 | — 0.703 |
| — 1.266 | — 0.563 |
| — 1.125 | — 0.422 |
| — 0.985 | — 0.281 |
| — 0.844 | — 0.141 |

C Range: 0 - 360 Deg

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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	140.66	139.3	139.3	140.0	140.66	139.3	139.3	140.0	140.66	
G1	140.08	139.22	139.69	140.55	140.74	139.22	139.61	140.08	140.08	
G2	139.8	139.14	139.84	140.74	141.33	139.45	139.34	139.69	139.8	
G3	139.1	138.63	140.04	140.94	141.33	139.73	139.02	139.65	139.1	
G4	139.69	138.95	140.0	141.13	141.48	139.84	138.83	139.38	139.69	
G5	138.48	138.28	140.04	141.45	141.29	139.65	138.75	138.98	138.48	
G6	138.79	138.16	139.73	141.48	141.56	139.8	137.58	138.48	138.79	
G7	138.44	137.93	140.43	141.52	141.13	138.98	137.58	137.93	138.44	
G8	138.32	138.01	140.23	141.6	141.13	138.95	137.03	137.54	138.32	
G9	137.7	137.62	140.23	141.02	140.2	138.48	136.99	136.8	137.7	
G10	137.42	137.38	140.08	140.82	140.43	138.44	136.25	136.29	137.42	
G11	136.84	136.41	140.12	140.0	139.88	138.13	135.78	136.05	136.84	
G12	136.37	136.48	139.57	140.12	139.88	137.62	135.0	135.55	136.37	
G13	135.55	135.66	138.87	139.77	138.91	137.58	134.8	135.2	135.55	
G14	135.35	136.17	138.52	139.45	138.83	136.91	134.02	134.41	135.35	
G15	134.84	135.39	138.28	138.63	138.24	136.68	133.91	134.1	134.84	
G16	134.73	135.12	137.93	138.01	138.2	136.02	132.77	133.83	134.73	
G17	134.18	134.45	137.97	137.7	137.5	135.23	132.34	132.85	134.18	
G18	134.06	134.38	137.27	137.38	137.23	135.0	131.41	132.81	134.06	
G19	133.52	133.55	137.19	136.99	135.74	134.53	130.9	132.07	133.52	
G20	133.09	132.97	136.84	136.29	135.12	133.79	129.77	131.68	133.09	
G21	132.07	132.38	136.05	135.47	134.38	132.66	128.83	130.82	132.07	
G22	131.68	131.91	135.86	134.8	133.55	131.91	127.85	129.92	131.68	
G23	130.7	131.25	135.08	133.44	132.34	130.82	127.3	129.02	130.7	
G24	129.96	130.35	133.91	133.01	131.41	130.31	126.13	128.67	129.96	
G25	128.91	129.53	133.59	131.41	130.51	129.3	125.27	127.27	128.91	
G26	128.52	128.79	132.54	130.66	129.53	128.83	124.22	126.6	128.52	
G27	127.38	127.46	131.91	129.18	128.36	127.66	123.83	125.39	127.38	
G28	126.95	127.3	130.35	128.13	127.15	126.64	122.73	124.8	126.95	
G29	125.66	125.98	129.65	126.95	125.98	125.66	121.88	123.59	125.66	
G30	124.88	125.04	128.59	125.94	125.59	124.96	121.09	123.16	124.88	
G31	123.55	123.67	127.54	124.88	124.14	124.18	120.43	122.15	123.55	
G32	122.42	122.93	126.29	124.06	123.79	123.71	119.06	121.21	122.42	
G33	121.76	122.19	125.63	122.58	122.42	122.46	118.52	120.39	121.76	
G34	120.27	121.05	124.57	121.72	121.52	121.88	117.58	119.84	120.27	
G35	119.69	119.69	123.63	120.63	120.66	120.86	117.15	118.55	119.69	
G36	118.48	118.75	122.58	119.57	119.57	120.47	116.41	118.24	118.48	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

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:

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LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	117.15	117.7	121.56	118.71	118.63	119.3	115.86	117.34	117.15	
G38	116.68	116.88	120.27	117.73	117.58	118.91	114.61	116.17	116.68	
G39	115.43	115.78	119.8	116.84	116.29	117.42	113.87	115.55	115.43	
G40	114.18	114.53	118.4	115.7	115.43	116.99	112.77	114.92	114.18	
G41	112.66	113.59	118.09	114.53	114.06	115.74	111.68	113.87	112.66	
G42	111.76	112.77	116.68	113.55	112.5	114.96	110.31	113.01	111.76	
G43	110.66	111.41	115.74	112.46	111.05	113.44	109.26	112.23	110.66	
G44	109.45	110.74	114.49	111.6	109.53	112.58	107.54	111.64	109.45	
G45	108.28	109.53	113.79	110.2	108.01	111.05	106.6	110.63	108.28	
G46	107.38	108.98	112.3	109.18	106.21	109.8	105.23	109.57	107.38	
G47	105.98	107.5	111.37	107.46	104.26	108.67	103.63	108.32	105.98	
G48	104.88	106.37	109.92	106.21	102.38	107.03	102.03	107.19	104.88	
G49	103.79	104.57	108.98	104.3	100.16	105.31	100.47	105.66	103.79	
G50	102.66	103.67	107.27	102.93	98.52	104.1	98.71	104.45	102.66	
G51	101.29	102.11	105.94	101.17	95.86	102.03	97.19	102.93	101.29	
G52	99.8	100.55	104.22	99.61	93.95	100.47	94.96	101.84	99.8	
G53	98.2	98.91	102.58	97.3	91.37	98.13	93.32	99.84	98.2	
G54	96.99	97.62	100.86	95.39	88.83	96.41	90.86	98.67	96.99	
G55	95.39	96.17	99.06	93.2	86.13	94.02	88.98	96.8	95.39	
G56	93.75	94.37	97.23	90.98	83.59	92.27	86.41	95.31	93.75	
G57	92.07	92.5	95.2	88.71	80.51	89.45	83.87	93.24	92.07	
G58	90.39	90.9	93.24	86.41	78.05	87.07	81.21	91.45	90.39	
G59	88.2	88.63	91.13	83.83	74.92	84.34	78.28	89.22	88.2	
G60	86.21	86.88	88.91	80.98	72.15	81.72	75.23	87.23	86.21	
G61	83.83	84.06	86.48	78.48	68.95	78.59	72.38	84.69	83.83	
G62	81.56	81.84	83.95	75.63	65.9	75.31	69.34	82.23	81.56	
G63	79.1	79.41	81.25	72.66	62.42	71.99	66.37	79.49	79.1	
G64	76.48	77.03	78.16	69.84	59.57	68.95	63.05	76.6	76.48	
G65	73.59	74.22	75.43	66.99	56.21	65.39	59.73	73.75	73.59	
G66	70.9	71.37	72.34	63.95	53.09	62.03	56.6	70.66	70.9	
G67	67.58	68.63	69.14	61.05	50.08	58.67	53.59	67.66	67.58	
G68	64.41	65.7	66.21	58.05	46.76	55.35	50.78	64.69	64.41	
G69	61.29	62.3	62.97	55.0	43.59	51.95	47.81	61.25	61.29	
G70	57.85	59.45	59.61	51.6	40.78	48.91	44.92	58.36	57.85	
G71	54.45	56.25	56.33	48.28	37.81	45.66	42.03	54.65	54.45	
G72	51.72	53.32	53.05	45.08	35.12	43.01	39.1	51.6	51.72	
G73	48.83	50.16	49.92	41.76	32.5	40.2	36.45	48.36	48.83	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2025/11/21 13:58:50

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.25 m

Remarks:

