

Report No.:

Test Time: 2026/4/20 11:17:40

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: 0
Luminaire Type: 033-30W-4000K
Lamp Type:
Luminous Width: 0 mm
Luminous Length: 0 mm
Luminous Height: 0 mm

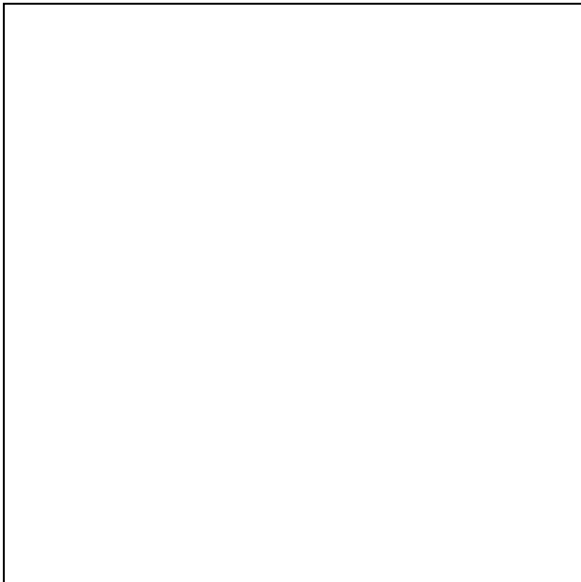
Voltage(V): 218.60 V
Current(A): 0.2160 A
Power(W): 27.96 W
Power Factor: 0.5900
Lamp Luminous Flux: 2890.27

Photometric Results

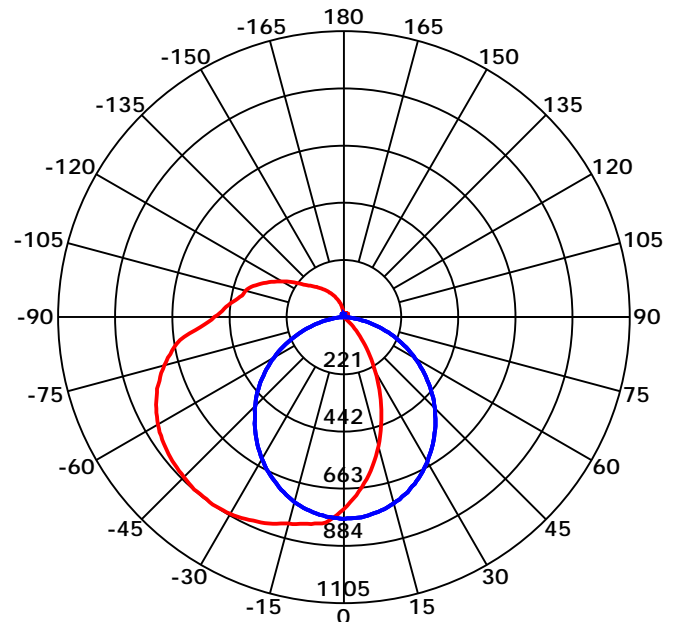
CIE Class: Direct
Luminaire Luminous Flux: 2890.267 lm
Downward Ratio: 82.03%
Luminaire Efficacy Rating(LER): 103.37 lm/W
Beam Angle(50%) C0-180,C90-270: 131.8,107.7
Field Angle(10%) C0-180,C90-270: 196.6,158.4
S/MH C0-180,C90-270: 1.109,1.250

Max. Intensity: 884.17 cd
Max.Intensity Angle: C=180 Gamma=35
Upward Ratio: 17.97%
Efficacy: 100.00%
Center Intensity: 741.58 cd
Effective Luminous Flux: 2744.58 lm
ERP(φ use)(120deg): 1597.07 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 131.8 deg,107.7 deg

Average Beam Angle:119.7 deg

C0-180 — C90-270 —

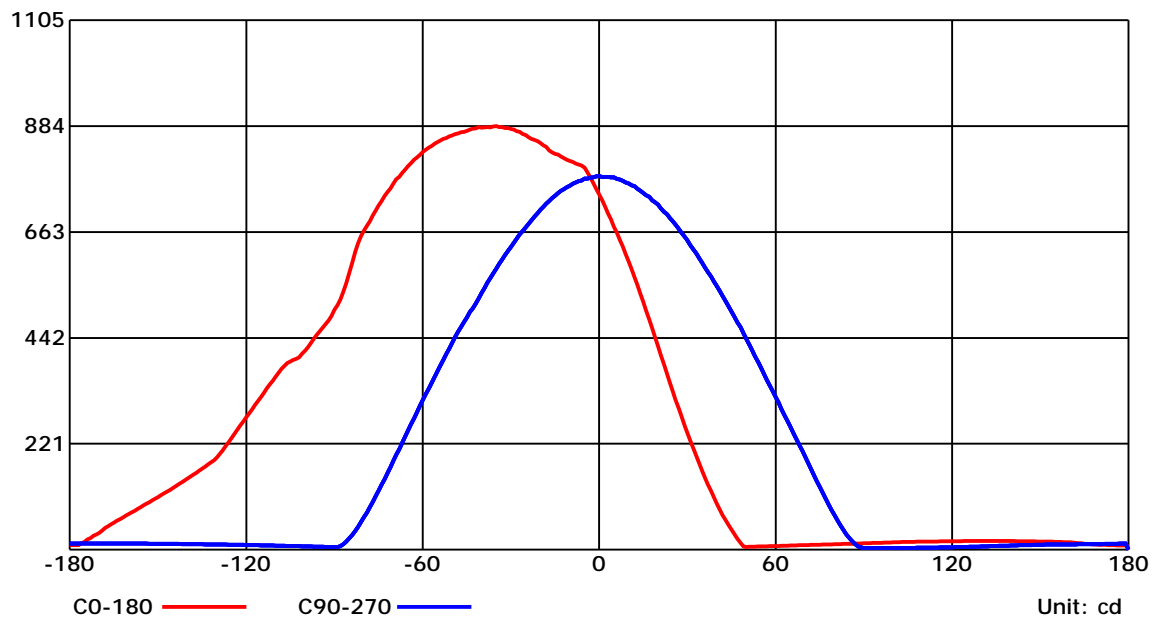
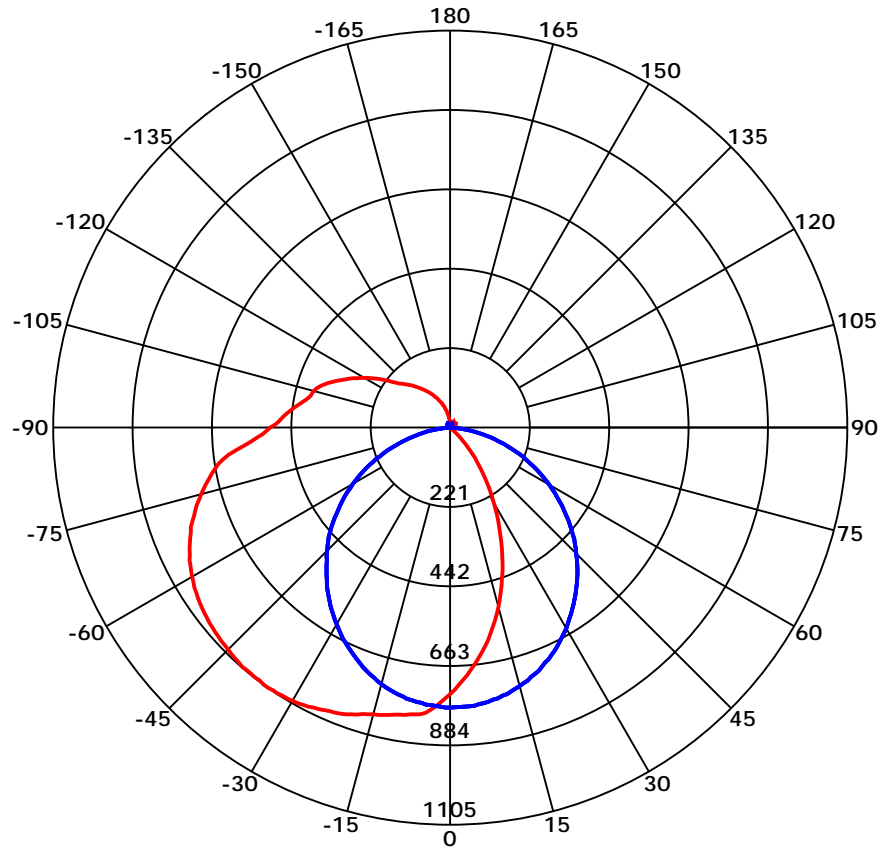
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators:
Test Date: 2026/4/20 11:17:40

G Range: 0 - 180 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity: 65
Test Distance: 6.37 m
Remarks:

Report No.:

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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: 2026/4/20 11:17:40

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

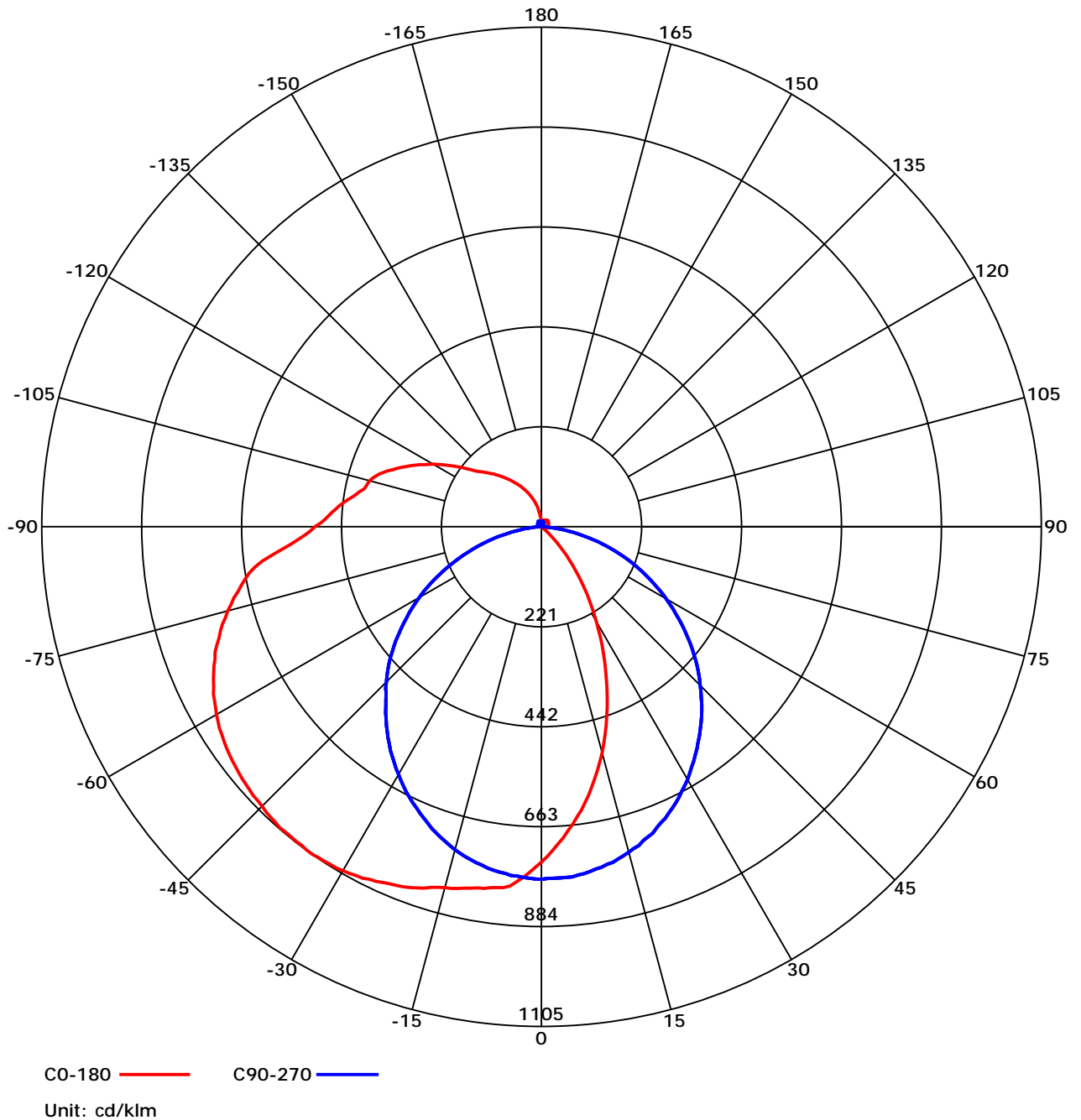
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Luminous Intensity Distribution Curve



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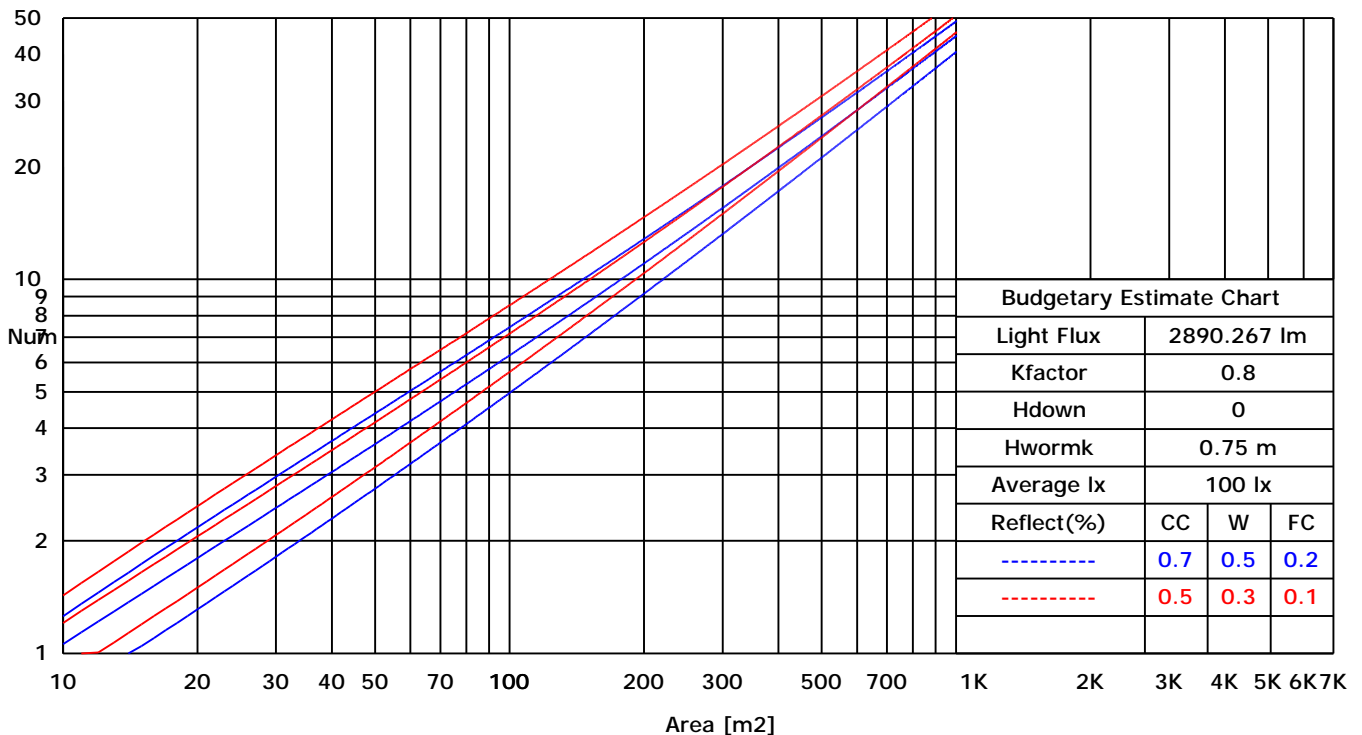
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UTILIZATION FACTORS TABLE

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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.02	1.00	0.98	1.00	0.98	0.96	0.97	0.95	0.92	0.93	0.90	0.87	0.86	0.84	0.81	0.76
2	0.88	0.85	0.83	0.87	0.84	0.81	0.85	0.81	0.78	0.82	0.78	0.74	0.77	0.73	0.69	0.65
3	0.77	0.74	0.72	0.77	0.73	0.71	0.76	0.71	0.68	0.73	0.69	0.65	0.70	0.65	0.61	0.56
4	0.69	0.66	0.64	0.69	0.66	0.63	0.68	0.64	0.60	0.67	0.62	0.57	0.65	0.59	0.54	0.50
5	0.63	0.60	0.58	0.63	0.59	0.57	0.63	0.58	0.55	0.62	0.56	0.52	0.60	0.54	0.49	0.45
6	0.58	0.55	0.54	0.58	0.55	0.52	0.58	0.54	0.50	0.58	0.52	0.48	0.56	0.50	0.45	0.42
7	0.54	0.51	0.50	0.54	0.51	0.49	0.54	0.50	0.47	0.54	0.49	0.45	0.53	0.47	0.42	0.39
8	0.50	0.48	0.47	0.51	0.48	0.46	0.51	0.47	0.44	0.51	0.46	0.42	0.50	0.44	0.40	0.36
9	0.48	0.45	0.44	0.48	0.45	0.43	0.48	0.44	0.41	0.48	0.43	0.39	0.48	0.42	0.37	0.34
10	0.45	0.43	0.42	0.46	0.43	0.41	0.46	0.42	0.39	0.46	0.41	0.38	0.46	0.40	0.36	0.33

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/4/20 11:17:40

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

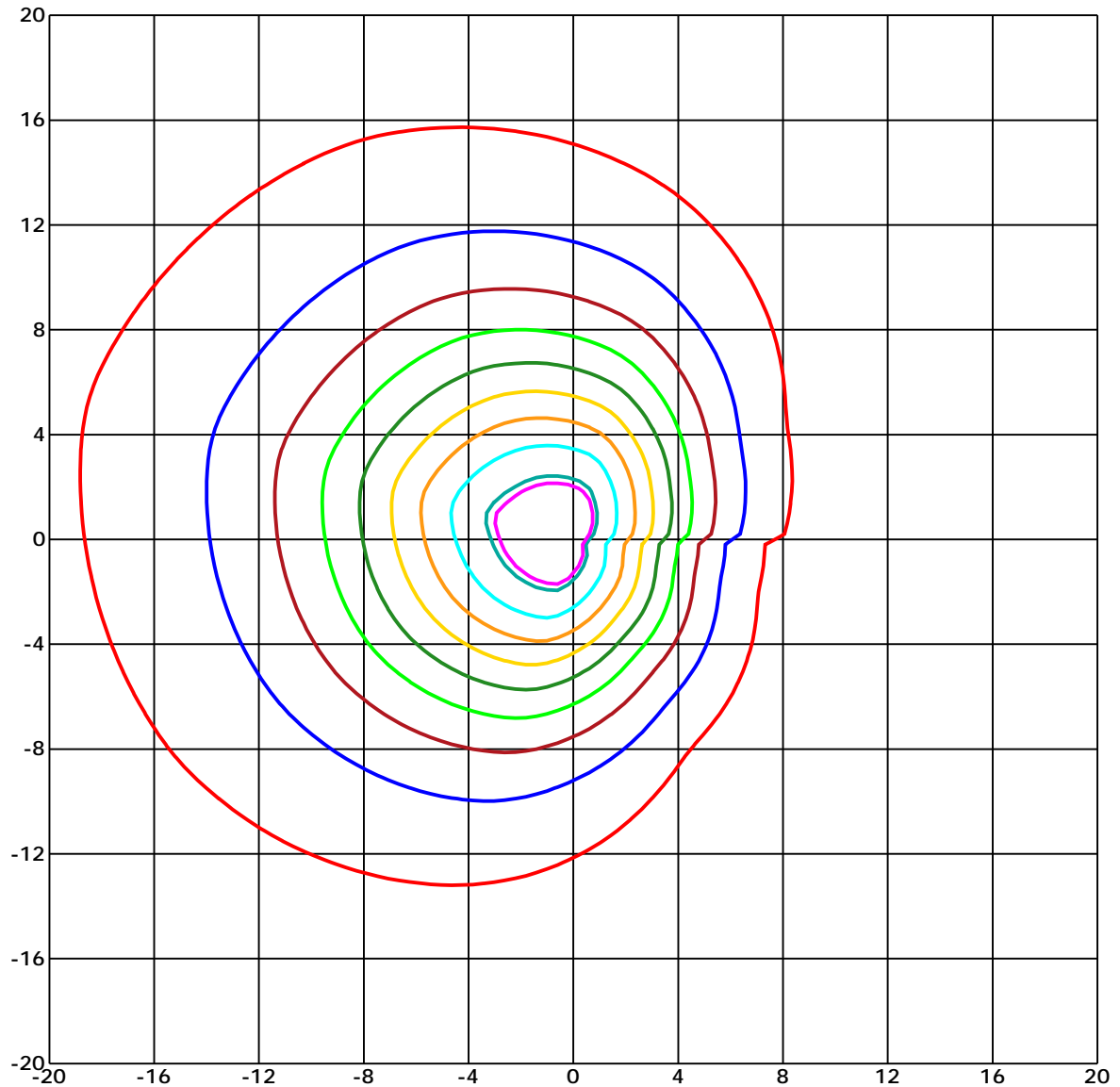
Test Distance: 6.37 m

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ISOLX DIAGRAM



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

7.255(92%Emax)	3.943(50%Emax)
7.098(90%Emax)	3.154(40%Emax)
6.309(80%Emax)	2.366(30%Emax)
5.52(70%Emax)	1.577(20%Emax)
4.732(60%Emax)	0.789(10%Emax)

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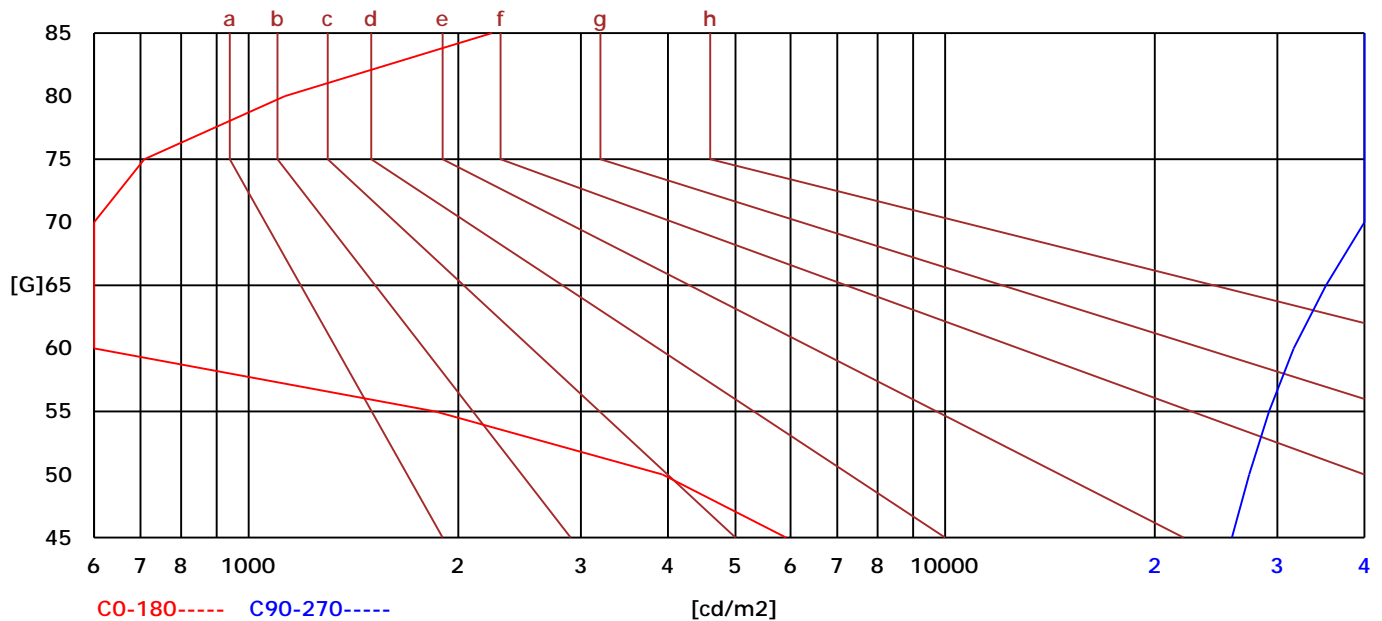
G Range: 0 - 180 Deg
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BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	5912	3928	1853	351	386	498	709	1127	2235
C90	25793	27331	29180	31668	35215	40491	48969	65510	114646
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



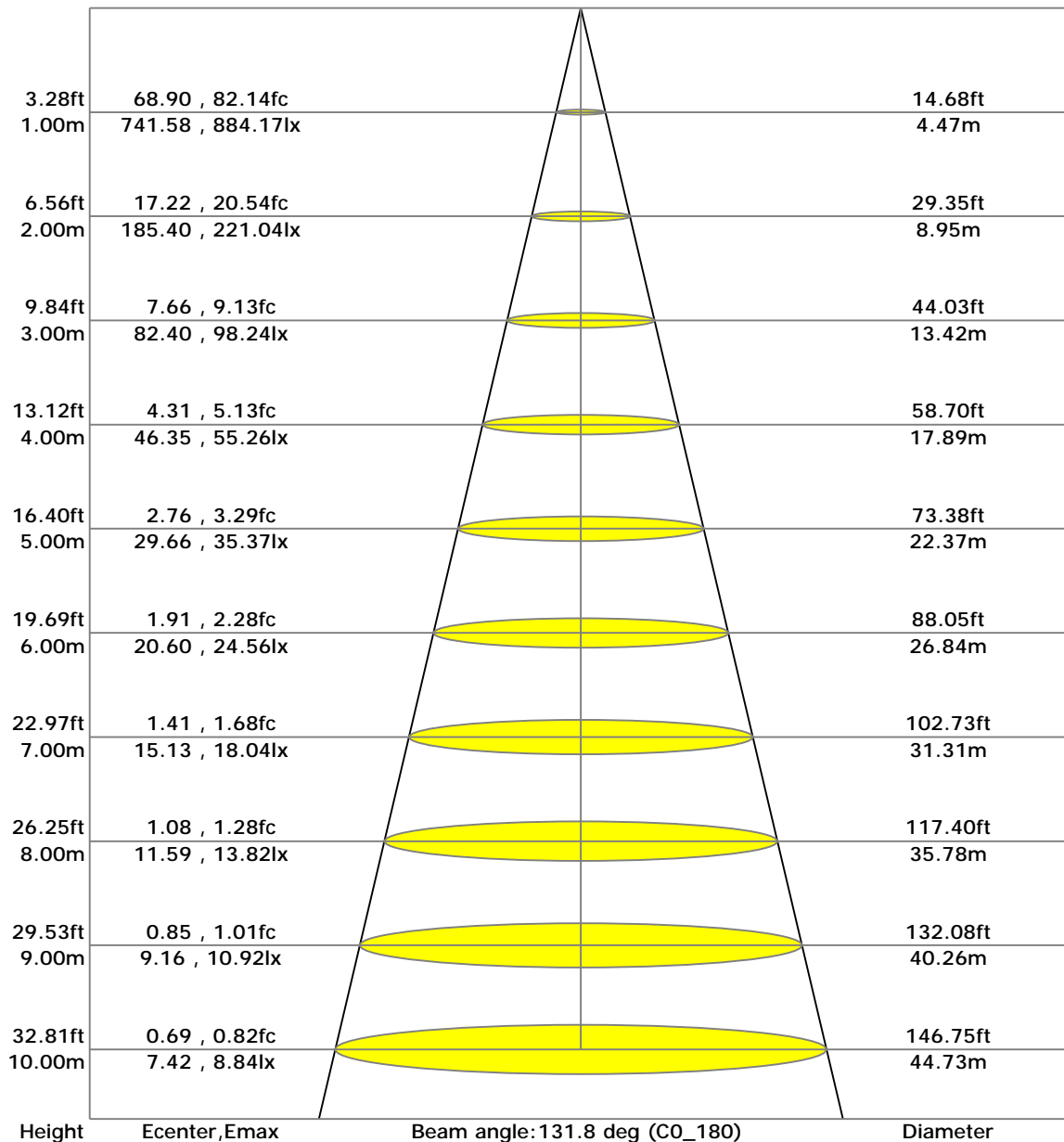
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 Test Distance: 6.37 m
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LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/4/20 11:17:40

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

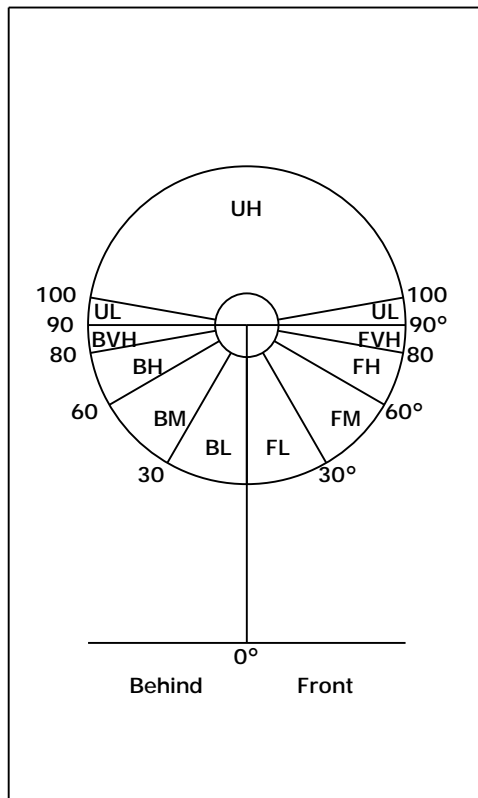
Test Distance: 6.37 m

Remarks:

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BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	1190.9	41.2
FL (0°-30°)	281.3	9.7
FM (30°-60°)	521.5	18.0
FH (60°-80°)	289.6	10.0
FVH (80°-90°)	98.6	3.4
Behind	1179.9	40.8
BL (0°-30°)	278.9	9.6
BM (30°-60°)	515.5	17.8
BH (60°-80°)	287.0	9.9
BVH (80°-90°)	98.6	3.4
Above	447.8	15.5
UL (90°-100°)	72.1	2.5
UH (100°-180°)	375.7	13.0
Limit Light	NA	NA

BUG Class(TM-15-07)	
Asymmetric Lighting Fixtures (Type I , II , III , IV)	B1 U3 G1
Symmetrical Lighting Fixtures (Type V , Area Light)	B1 U3 G1

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/4/20 11:17:40

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

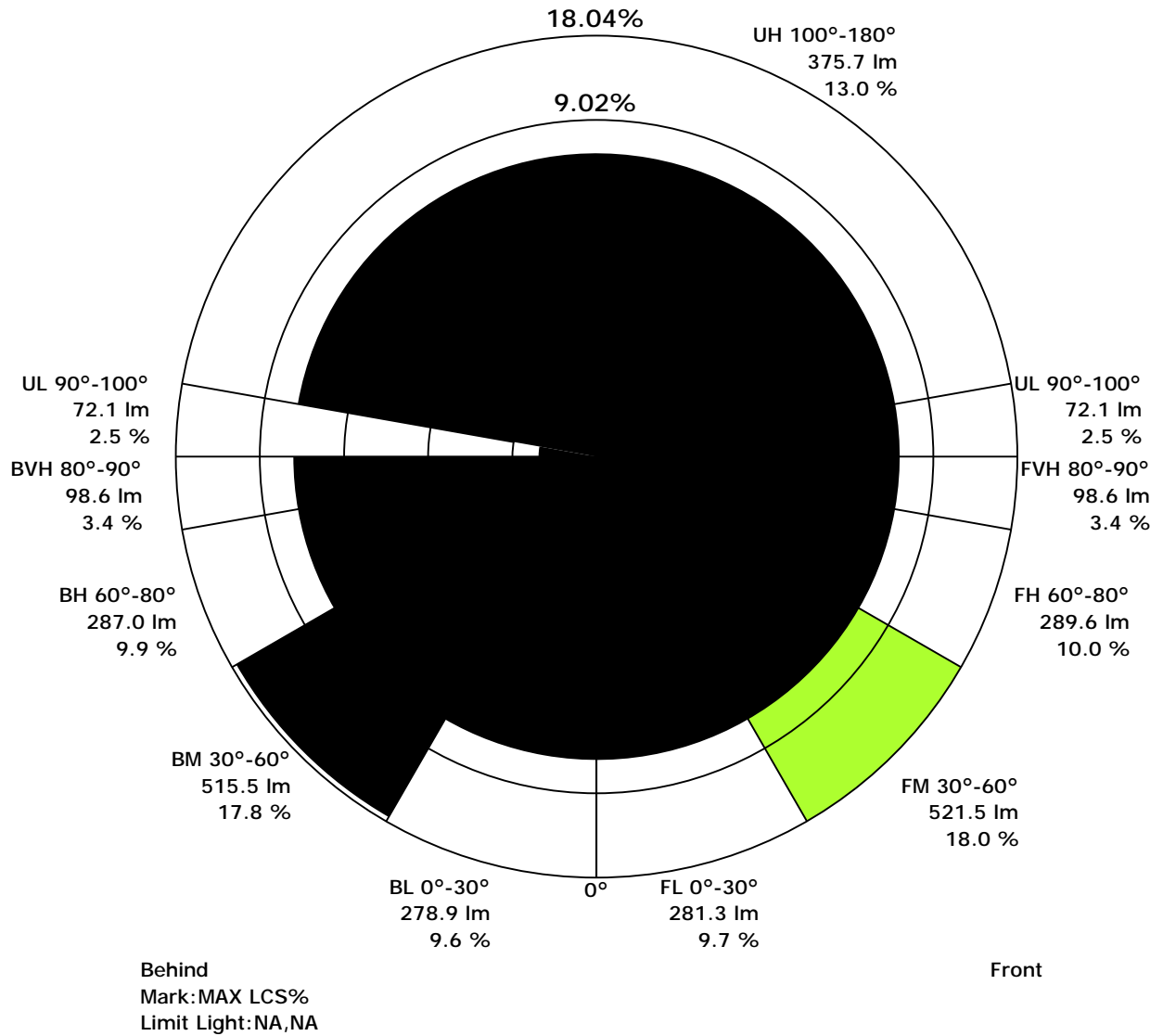
Test Distance: 6.37 m

Remarks:

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LCS 图



C Range: 0 - 360 Deg
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G Range: 0 - 180 Deg
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Humidity: 65
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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	14.10	14.67	14.03	14.86	15.11	20.60	21.17	20.53	21.35	21.60
3H	14.56	15.11	14.52	15.31	15.58	20.31	20.87	20.28	21.06	21.34
4H	14.61	15.15	14.59	15.36	15.65	20.15	20.69	20.13	20.90	21.19
6H	14.51	15.04	14.52	15.26	15.57	19.98	20.51	19.99	20.72	21.03
8H	14.42	14.94	14.45	15.16	15.49	19.88	20.41	19.91	20.63	20.95
12H	14.33	14.84	14.37	15.07	15.40	19.79	20.30	19.83	20.53	20.87
4H 2H	13.82	14.37	13.81	14.57	14.86	23.83	24.37	23.82	24.58	24.87
3H	14.52	15.03	14.56	15.26	15.59	23.55	24.06	23.59	24.29	24.63
4H	14.76	15.25	14.84	15.50	15.86	23.36	23.85	23.44	24.10	24.46
6H	14.83	15.28	14.96	15.55	15.95	23.15	23.60	23.27	23.87	24.27
8H	14.79	15.22	14.93	15.50	15.91	23.04	23.47	23.19	23.75	24.17
12H	14.69	15.10	14.86	15.39	15.83	22.92	23.33	23.10	23.63	24.06
8H 4H	13.74	14.26	13.76	14.48	14.80	25.22	25.74	25.25	25.97	26.29
6H	14.83	15.20	15.03	15.52	15.97	24.57	24.95	24.77	25.26	25.72
8H	14.85	15.19	15.08	15.52	16.00	24.45	24.80	24.68	25.13	25.61
12H	14.80	15.12	15.07	15.46	15.97	24.33	24.64	24.59	24.98	25.49
12H 4H	14.70	15.11	14.88	15.40	15.84	25.38	25.78	25.55	26.08	26.52
6H	14.88	15.23	15.11	15.55	16.04	25.16	25.51	25.39	25.84	26.32

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ZONAL LUMINOUS FLUX TABLE-1

Gamma [deg]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0	766.06	0.00	0.00	0.00	0.00
5	761.00	18.22	18.22	0.63	0.63
10	738.13	53.27	71.49	1.84	2.47
15	708.84	85.05	156.54	2.94	5.42
20	675.72	112.94	269.47	3.91	9.32
25	638.20	136.15	405.63	4.71	14.03
30	598.62	154.49	560.12	5.35	19.38
35	555.83	167.34	727.45	5.79	25.17
40	511.72	175.06	902.52	6.06	31.23
45	467.81	177.93	1080.45	6.16	37.38
50	425.27	176.90	1257.35	6.12	43.50
55	386.85	173.16	1430.51	5.99	49.49
60	349.27	166.56	1597.07	5.76	55.26
65	320.21	159.89	1756.96	5.53	60.79
70	290.32	151.52	1908.48	5.24	66.03
75	257.61	139.83	2048.30	4.84	70.87
80	224.15	125.28	2173.58	4.33	75.20
85	189.61	108.87	2282.45	3.77	78.97
90	150.12	88.34	2370.80	3.06	82.03
95	133.07	74.99	2445.79	2.59	84.62
100	123.30	68.75	2514.53	2.38	87.00
105	116.83	63.15	2577.68	2.18	89.18
110	103.02	56.14	2633.82	1.94	91.13
115	92.92	48.65	2682.47	1.68	92.81
120	81.11	41.18	2723.65	1.42	94.24
125	72.70	34.76	2758.41	1.20	95.44
130	64.90	29.24	2787.65	1.01	96.45
135	59.14	24.55	2812.20	0.85	97.30
140	53.98	20.56	2832.76	0.71	98.01
145	49.11	16.88	2849.65	0.58	98.59
150	44.22	13.47	2863.12	0.47	99.06
155	39.30	10.34	2873.46	0.36	99.42
160	34.08	7.49	2880.95	0.26	99.68
165	27.95	4.98	2885.94	0.17	99.85
170	21.34	2.76	2888.70	0.10	99.95
175	16.00	1.27	2889.97	0.04	99.99
180	11.91	0.30	2890.27	0.01	100.00

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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	602.1	672.6	764.7	793.3	811.2	789.8	759.9	668.4	10	71.5	71.5	2.5	2.5
20	424.9	543.2	720.6	788.2	849.0	781.8	709.9	534.6	20	198.0	269.5	9.3	9.3
30	243.3	392.3	645.8	777.7	878.0	770.6	632.3	383.0	30	290.6	560.1	19.4	19.4
40	96.0	237.7	549.9	750.7	881.2	742.6	536.3	229.8	40	342.4	902.5	31.2	31.2
50	5.8	101.0	440.0	702.7	865.0	696.1	431.8	98.6	50	354.8	1257.3	43.5	43.5
60	7.7	7.0	318.0	633.4	830.2	631.3	311.9	8.7	60	339.7	1597.1	55.3	55.3
70	9.6	6.8	193.8	554.0	763.6	548.4	185.0	8.8	70	311.4	1908.5	66.0	66.0
80	11.3	7.8	71.6	455.0	665.4	450.8	67.5	10.9	80	265.1	2173.6	75.2	75.2
90	13.4	8.2	3.8	315.4	500.7	308.0	5.2	13.0	90	197.2	2370.8	82.0	82.0
100	15.3	9.9	3.4	251.4	416.1	249.8	7.0	15.5	100	143.7	2514.5	87.0	87.0
110	16.9	12.9	4.0	191.1	361.7	194.1	8.4	16.5	110	119.3	2633.8	91.1	91.1
120	17.7	15.5	5.1	143.2	277.0	148.0	9.7	18.0	120	89.8	2723.7	94.2	94.2
130	18.1	17.4	6.6	118.6	192.7	125.0	10.9	18.5	130	64.0	2787.7	96.4	96.4
140	17.9	18.1	8.6	97.1	148.2	102.4	11.7	19.2	140	45.1	2832.8	98.0	98.0
150	17.0	19.2	10.2	76.6	109.9	81.4	12.4	19.5	150	30.4	2863.1	99.1	99.1
160	15.2	19.5	11.0	54.3	74.2	58.5	12.9	19.4	160	17.8	2881.0	99.7	99.7
170	10.5	13.7	11.8	30.7	35.1	33.4	13.1	13.5	170	7.7	2888.7	99.9	99.9
180	8.4	0.0	0.0	0.0	9.2	13.2	13.0	11.9	180	1.6	2890.3	100.0	100.0

Conical surface Flux(90deg) : 1080.4 lm

%lum = 37.4%

%lamp = 37.4%

Conical surface Flux(120deg) : 1597.1 lm

%lum = 55.3%

%lamp = 55.3%

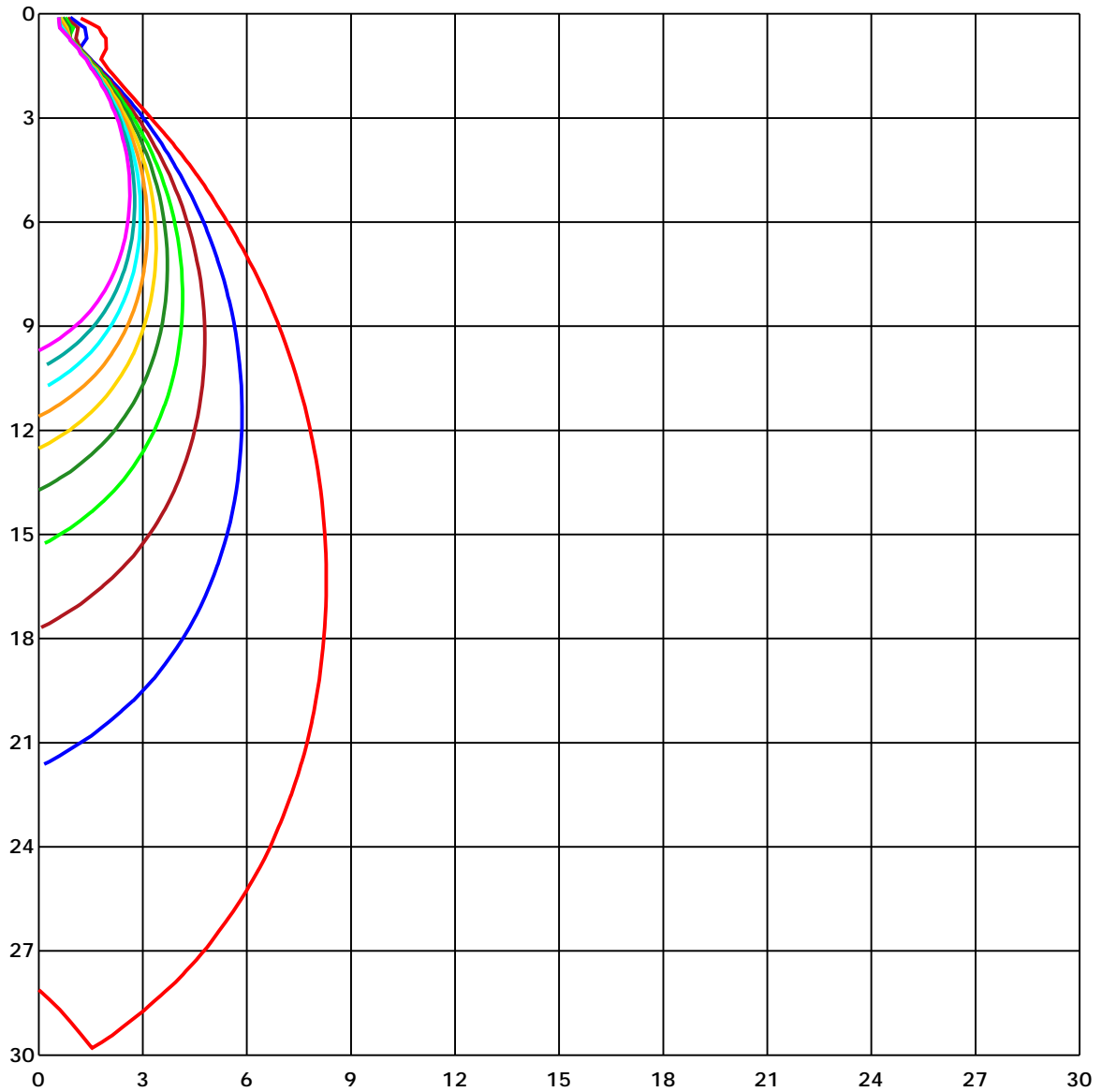
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SPACE ISOLX DIAGRAM



Unit of illumination: lx

7.882	3.941
7.094	3.153
6.306	2.365
5.517	1.576
4.729	0.788

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LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma/C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	741.58	773.07	779.73	769.87	741.58	773.07	779.73	769.87	741.58	
G1	729.49	764.92	778.18	777.58	753.15	778.79	779.36	762.16	729.49	
G2	715.57	759.19	777.94	783.54	765.4	785.12	777.45	753.92	715.57	
G3	701.9	747.43	777.94	788.98	776.48	788.53	776.36	743.61	701.9	
G4	689.89	738.38	777.53	793.68	787.15	792.02	774.45	734.89	689.89	
G5	674.71	727.71	777.33	794.05	797.3	792.35	774.37	724.83	674.71	
G6	661.0	717.76	774.04	794.78	802.16	794.29	770.64	713.91	661.0	
G7	646.07	706.93	772.58	794.62	803.95	792.71	769.34	703.12	646.07	
G8	632.68	696.75	769.66	795.1	805.9	794.05	766.7	692.04	632.68	
G9	616.85	683.8	766.5	793.08	809.55	790.03	764.27	681.0	616.85	
G10	602.08	672.6	764.71	793.32	811.21	789.83	759.88	668.42	602.08	
G11	584.71	661.08	760.29	790.92	813.93	788.25	756.76	656.86	584.71	
G12	568.32	648.42	758.87	790.68	817.26	786.5	752.82	644.4	568.32	
G13	551.89	636.04	753.47	790.4	820.55	786.66	748.97	631.7	551.89	
G14	534.24	623.46	749.29	790.24	824.56	786.22	744.38	618.31	534.24	
G15	517.44	610.28	744.87	790.68	826.15	786.38	739.47	605.61	517.44	
G16	498.81	598.14	740.2	790.03	829.76	785.45	733.67	592.1	498.81	
G17	480.15	584.1	736.75	789.83	833.57	785.0	727.62	578.1	480.15	
G18	461.85	571.53	729.45	788.77	840.51	783.78	722.19	563.45	461.85	
G19	443.1	557.08	724.91	788.04	844.32	782.93	715.53	549.82	443.1	
G20	424.88	543.2	720.61	788.17	848.99	781.75	709.93	534.6	424.88	
G21	405.65	529.08	712.45	786.02	853.09	780.94	702.26	520.64	405.65	
G22	386.37	515.12	705.43	785.37	855.73	778.43	694.8	506.32	386.37	
G23	367.91	500.03	700.76	784.88	857.71	777.25	688.02	489.24	367.91	
G24	348.96	485.58	692.28	785.65	861.04	777.58	680.43	474.06	348.96	
G25	330.66	470.29	685.87	784.8	865.18	777.62	673.37	460.18	330.66	
G26	312.52	454.79	678.28	785.0	867.57	776.56	665.5	444.44	312.52	
G27	294.55	439.45	670.01	783.42	872.12	775.38	658.52	428.49	294.55	
G28	277.42	423.5	661.36	781.92	873.78	774.29	650.0	413.6	277.42	
G29	259.73	408.28	653.45	779.44	876.7	772.3	641.28	397.78	259.73	
G30	243.34	392.3	645.78	777.74	878.04	770.56	632.27	382.96	243.34	
G31	227.19	375.95	635.76	775.75	880.36	766.9	623.99	367.83	227.19	
G32	210.59	360.65	626.35	772.42	880.48	764.18	614.7	352.21	210.59	
G33	195.01	344.09	618.11	769.99	882.14	762.07	605.61	337.4	195.01	
G34	179.72	328.75	608.04	769.62	882.22	759.88	597.05	321.33	179.72	
G35	164.42	313.66	599.12	765.16	884.17	757.12	586.66	306.15	164.42	
G36	149.93	297.88	589.1	762.68	883.76	755.18	577.33	291.1	149.93	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/4/20 11:17:40

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.37 m

Remarks:

Report No.:

Test Time: 2026/4/20 11:17:40

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	135.77	282.9	579.84	760.49	881.37	751.77	566.98	275.84	135.77	
G38	122.54	267.4	569.86	757.04	882.18	749.21	557.24	260.02	122.54	
G39	109.07	252.55	559.72	754.32	881.37	745.76	546.37	244.56	109.07	
G40	95.96	237.66	549.94	750.67	881.21	742.64	536.35	229.79	95.96	
G41	83.43	223.34	540.08	746.9	882.18	737.65	524.82	215.1	83.43	
G42	71.46	209.05	529.29	742.48	879.34	733.95	514.15	200.29	71.46	
G43	60.66	194.65	518.0	738.78	878.57	729.53	503.44	185.52	60.66	
G44	51.13	180.89	507.25	733.75	876.66	725.39	495.97	171.44	51.13	
G45	41.59	167.22	496.38	729.53	874.07	720.04	484.81	157.68	41.59	
G46	32.02	153.75	485.71	724.58	872.16	715.57	475.07	144.17	32.02	
G47	22.84	140.4	474.91	720.97	871.47	710.3	465.13	131.55	22.84	
G48	14.08	127.57	464.32	714.03	868.83	707.7	454.34	120.11	14.08	
G49	7.06	114.06	451.86	708.31	867.25	700.8	443.55	109.27	7.06	
G50	5.8	101.0	440.02	702.71	864.98	696.06	431.78	98.6	5.8	
G51	5.96	88.46	428.21	696.5	862.66	690.5	419.81	87.97	5.96	
G52	6.17	76.45	416.2	689.16	859.54	683.68	408.93	76.97	6.17	
G53	6.37	64.56	403.54	683.56	857.35	679.05	395.83	66.38	6.37	
G54	6.57	53.24	391.61	676.74	853.9	672.72	384.18	55.83	6.57	
G55	6.7	42.52	379.68	669.48	850.9	665.7	372.46	45.81	6.7	
G56	6.86	32.22	367.14	662.78	847.45	658.44	360.32	36.11	6.86	
G57	7.06	22.6	354.6	655.93	842.9	651.26	348.52	26.66	7.06	
G58	7.26	13.63	342.67	648.87	839.78	646.19	336.38	17.81	7.26	
G59	7.43	8.16	330.42	641.52	834.55	637.71	323.97	10.39	7.43	
G60	7.67	7.02	318.0	633.36	830.16	631.3	311.91	8.72	7.67	
G61	7.83	6.78	306.56	625.61	824.32	622.81	300.27	7.06	7.83	
G62	8.03	6.7	293.13	618.35	818.76	614.78	286.68	7.3	8.03	
G63	8.28	6.61	280.55	610.64	813.93	608.98	274.18	7.47	8.28	
G64	8.4	6.57	268.17	603.87	806.59	598.75	261.68	7.63	8.4	
G65	8.64	6.53	256.08	595.3	800.7	590.11	248.82	7.83	8.64	
G66	8.81	6.57	243.7	587.15	793.36	583.25	235.83	8.03	8.81	
G67	9.05	6.61	231.29	580.45	786.79	574.2	223.58	8.2	9.05	
G68	9.25	6.65	219.16	571.12	778.79	566.58	209.99	8.48	9.25	
G69	9.37	6.74	206.37	563.53	773.31	556.84	197.73	8.64	9.37	
G70	9.58	6.82	193.8	553.96	763.62	548.4	185.03	8.85	9.58	
G71	9.74	6.9	181.5	546.04	754.08	538.94	172.05	9.05	9.74	
G72	9.94	7.06	168.64	535.98	746.45	530.06	159.95	9.25	9.94	
G73	10.14	7.14	155.77	526.73	738.34	521.25	147.25	9.49	10.14	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/4/20 11:17:40

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.37 m

Remarks:

Report No.:

Test Time: 2026/4/20 11:17:40

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 2)

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G74	10.31	7.26	143.24	517.07	727.18	510.9	135.2	9.74	10.31	
G75	10.43	7.34	130.66	506.97	718.5	501.17	123.35	9.98	10.43	
G76	10.63	7.47	118.61	495.85	707.5	491.14	111.55	10.18	10.63	
G77	10.83	7.59	106.27	485.95	698.09	481.16	100.06	10.35	10.83	
G78	11.04	7.63	94.42	475.56	686.03	471.38	88.9	10.55	11.04	
G79	11.12	7.75	82.86	465.21	676.3	461.24	77.95	10.75	11.12	
G80	11.32	7.83	71.62	455.03	665.38	450.81	67.52	10.92	11.32	
G81	11.4	7.83	60.99	444.64	654.38	440.38	57.5	11.12	11.4	
G82	11.81	7.95	50.8	434.21	639.49	430.48	47.84	11.36	11.81	
G83	12.05	7.99	41.31	423.54	621.88	421.63	38.95	11.52	12.05	
G84	12.09	7.99	31.97	413.48	599.36	409.46	30.72	11.77	12.09	
G85	12.29	7.79	24.26	399.68	576.72	396.8	23.29	11.89	12.29	
G86	12.5	7.83	17.41	380.0	556.23	380.57	16.6	11.97	12.5	
G87	12.7	7.91	11.48	357.64	538.86	358.86	11.36	12.21	12.7	
G88	12.98	7.99	7.18	339.1	523.0	337.97	7.47	12.46	12.98	
G89	13.19	8.12	4.63	325.31	510.7	320.76	5.56	12.7	13.19	
G90	13.39	8.2	3.81	315.36	500.72	308.02	5.23	12.98	13.39	
G91	13.59	8.32	3.61	305.83	488.26	296.62	5.4	13.23	13.59	
G92	13.8	8.48	3.49	292.68	478.44	279.05	5.56	13.47	13.8	
G93	14.04	8.56	3.41	283.06	471.22	271.99	5.72	13.76	14.04	
G94	14.2	8.68	3.33	280.59	463.92	273.93	5.92	14.0	14.2	
G95	14.36	8.72	3.33	277.55	456.37	273.98	6.17	14.24	14.36	
G96	14.53	8.89	3.37	272.07	448.78	270.0	6.33	14.53	14.53	
G97	14.73	9.09	3.29	265.86	440.71	265.25	6.49	14.73	14.73	
G98	14.93	9.33	3.33	260.58	432.06	261.03	6.65	15.01	14.93	
G99	15.14	9.58	3.33	256.45	423.34	256.41	6.86	15.3	15.14	
G100	15.3	9.94	3.41	251.37	416.08	249.83	7.02	15.5	15.3	
G101	15.46	10.18	3.45	249.14	409.14	244.19	7.06	15.62	15.46	
G102	15.7	10.63	3.45	248.21	401.87	242.33	7.22	15.87	15.7	
G103	15.91	10.92	3.53	246.46	398.42	243.34	7.34	15.99	15.91	
G104	16.07	11.28	3.61	241.68	396.48	241.92	7.51	16.07	16.07	
G105	16.27	11.56	3.65	234.41	393.27	236.24	7.63	16.11	16.27	
G106	16.39	11.81	3.77	224.31	389.78	227.39	7.79	16.27	16.39	
G107	16.51	12.05	3.77	211.2	383.7	215.38	7.91	16.15	16.51	
G108	16.76	12.34	3.85	203.33	377.49	205.2	8.16	16.27	16.76	
G109	16.8	12.62	3.94	196.39	369.98	199.64	8.28	16.51	16.8	
G110	16.88	12.94	4.02	191.08	361.66	194.08	8.36	16.51	16.88	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/4/20 11:17:40

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.37 m

Remarks:

Report No.:

Test Time: 2026/4/20 11:17:40

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 3)

Gamma/C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G111	16.92	13.31	4.1	188.32	352.82	190.55	8.56	16.68	16.92	
G112	16.96	13.71	4.18	185.48	344.82	188.44	8.76	16.88	16.96	
G113	17.0	13.88	4.3	180.57	336.67	184.67	8.93	16.96	17.0	
G114	17.04	14.04	4.34	175.25	327.74	178.82	9.05	17.04	17.04	
G115	17.12	14.32	4.46	169.25	319.22	173.51	9.13	17.25	17.12	
G116	17.33	14.53	4.54	163.81	310.94	167.58	9.29	17.41	17.33	
G117	17.41	14.77	4.67	157.88	302.42	162.02	9.41	17.53	17.41	
G118	17.61	14.97	4.79	152.29	293.09	156.83	9.54	17.69	17.61	
G119	17.57	15.26	4.91	147.13	284.85	151.68	9.7	17.81	17.57	
G120	17.65	15.5	5.07	143.2	276.98	148.02	9.74	17.98	17.65	
G121	17.69	15.7	5.19	140.52	268.13	145.35	9.9	18.1	17.69	
G122	17.77	15.91	5.27	137.76	259.69	143.24	10.02	18.1	17.77	
G123	17.85	16.15	5.4	135.36	250.68	141.0	10.1	18.14	17.85	
G124	17.89	16.31	5.56	132.77	241.96	138.61	10.31	18.22	17.89	
G125	17.89	16.47	5.76	130.33	233.6	136.34	10.39	18.3	17.89	
G126	18.02	16.64	5.92	127.9	224.55	133.94	10.47	18.3	18.02	
G127	18.02	16.8	6.09	125.71	216.27	131.67	10.59	18.38	18.02	
G128	18.06	17.0	6.29	123.15	207.43	129.68	10.63	18.46	18.06	
G129	18.14	17.33	6.45	120.8	200.13	127.05	10.79	18.54	18.14	
G130	18.14	17.41	6.61	118.61	192.7	124.98	10.92	18.54	18.14	
G131	18.18	17.57	6.86	116.42	186.78	122.66	10.96	18.62	18.18	
G132	18.26	17.77	7.02	114.18	182.43	120.35	11.04	18.67	18.26	
G133	18.26	17.93	7.26	111.95	178.13	118.32	11.12	18.75	18.26	
G134	18.26	18.02	7.51	110.0	173.51	115.81	11.2	18.83	18.26	
G135	18.22	18.06	7.67	107.37	169.29	113.57	11.28	18.95	18.22	
G136	18.18	18.18	7.87	105.3	165.03	111.1	11.36	18.95	18.18	
G137	18.14	18.26	8.07	103.11	160.56	108.75	11.44	19.07	18.14	
G138	18.06	18.26	8.28	101.24	156.79	106.64	11.52	19.15	18.06	
G139	18.02	18.3	8.52	99.21	152.33	104.65	11.65	19.19	18.02	
G140	17.93	18.14	8.64	97.1	148.23	102.42	11.73	19.23	17.93	
G141	17.89	18.38	8.89	95.19	144.37	100.18	11.77	19.27	17.89	
G142	17.85	18.67	9.09	93.08	140.6	98.2	11.85	19.23	17.85	
G143	17.77	18.95	9.25	91.18	136.22	96.21	11.89	19.27	17.77	
G144	17.69	18.83	9.41	89.15	132.69	93.85	11.97	19.31	17.69	
G145	17.61	18.95	9.62	86.88	128.71	91.62	12.09	19.36	17.61	
G146	17.53	18.99	9.78	84.85	124.69	89.59	12.09	19.4	17.53	
G147	17.49	19.15	9.86	82.82	121.28	87.48	12.21	19.44	17.49	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/4/20 11:17:40

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.37 m

Remarks:

Report No.:

Test Time: 2026/4/20 11:17:40

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 4)

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G148	17.37	19.11	10.02	80.79	117.47	85.41	12.21	19.48	17.37	
G149	17.08	19.19	10.14	78.64	113.62	83.3	12.34	19.44	17.08	
G150	17.0	19.19	10.18	76.65	109.92	81.36	12.38	19.48	17.0	
G151	16.96	19.11	10.27	74.54	106.43	78.92	12.42	19.44	16.96	
G152	16.88	19.07	11.0	72.23	102.94	76.77	12.5	19.44	16.88	
G153	16.72	19.03	10.63	70.04	99.33	74.7	12.54	19.48	16.72	
G154	16.64	18.95	10.59	68.01	95.68	72.59	12.58	19.4	16.64	
G155	16.43	18.71	10.67	65.82	92.15	70.32	12.66	19.36	16.43	
G156	16.23	18.26	10.71	63.46	88.54	68.01	12.66	19.19	16.23	
G157	15.99	18.34	10.79	61.27	84.93	65.78	12.74	18.91	15.99	
G158	15.82	18.75	10.87	58.84	81.36	63.58	12.82	18.62	15.82	
G159	15.5	19.15	11.0	56.52	77.83	60.95	12.82	18.91	15.5	
G160	15.22	19.52	11.04	54.29	74.17	58.51	12.86	19.4	15.22	
G161	14.85	19.96	11.16	51.86	70.68	56.32	12.9	19.8	14.85	
G162	14.4	20.45	11.2	48.49	67.15	53.48	12.94	20.09	14.4	
G163	13.84	18.87	11.32	46.1	63.58	50.15	12.98	20.25	13.84	
G164	13.23	15.62	11.36	43.94	60.09	47.52	13.03	18.83	13.23	
G165	12.5	13.19	11.4	41.63	56.56	45.12	12.98	15.38	12.5	
G166	11.89	12.86	11.48	39.52	52.95	42.85	12.98	13.07	11.89	
G167	11.44	12.9	11.6	37.33	49.1	40.41	13.11	12.94	11.44	
G168	11.08	12.94	11.65	35.06	45.53	38.14	13.11	12.86	11.08	
G169	10.71	13.55	11.69	32.91	40.21	35.63	13.11	12.9	10.71	
G170	10.51	13.71	11.77	30.72	35.14	33.35	13.11	13.51	10.51	
G171	10.35	13.43	11.85	28.57	31.85	31.12	13.07	13.35	10.35	
G172	10.1	13.19	11.93	26.54	28.73	28.73	13.07	12.9	10.1	
G173	9.86	12.9	11.93	24.63	24.35	26.42	13.07	12.62	9.86	
G174	9.54	12.82	11.97	22.4	21.79	24.1	13.07	12.34	9.54	
G175	9.25	12.86	12.05	14.36	16.15	20.29	13.07	12.21	9.25	
G176	9.01	12.9	12.25	12.25	13.84	16.72	13.07	12.17	9.01	
G177	8.81	13.19	12.66	12.25	9.41	14.95	13.03	12.09	8.81	
G178	8.72	13.47	12.94	12.58	9.21	13.19	13.03	12.05	8.72	
G179	8.56	13.47	13.03	12.66	9.33	13.23	13.03	11.97	8.56	
G180	8.42	0.0	0.0	0.0	9.22	13.24	13.02	11.91	8.42	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/4/20 11:17:40

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.37 m

Remarks: