

Report No.: KUPU-T100A-60D

Test Time: 2025/9/25 10:56:42

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: GZAILITELED
Luminaire Type: KUPU-T100A
Lamp Type:
Luminous Width: 130 mm
Luminous Length: 140 mm
Luminous Height: 0.8 mm

Voltage(V): 222.37 V
Current(A): 0.4540 A
Power(W): 100.10 W
Power Factor: 0.9910
Lamp Luminous Flux: 19029.38

Photometric Results

CIE Class: Direct
Luminaire Luminous Flux: 19029.38 lm
Downward Ratio: 100.00%
Luminaire Efficacy Rating(LER): 190.10 lm/W
Beam Angle(50%) C0-180,C90-270: 59.4,60.2
Field Angle(10%) C0-180,C90-270: 73.8,73.9
S/MH C0-180,C90-270: 0.933,0.933

Max. Intensity: 24138.62 cd
Max.Intensity Angle: C=180 Gamma=3
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 24038.30 cd
Effective Luminous Flux: 17822.28 lm
ERP(ϕ use)(120deg): 18668.80 lm

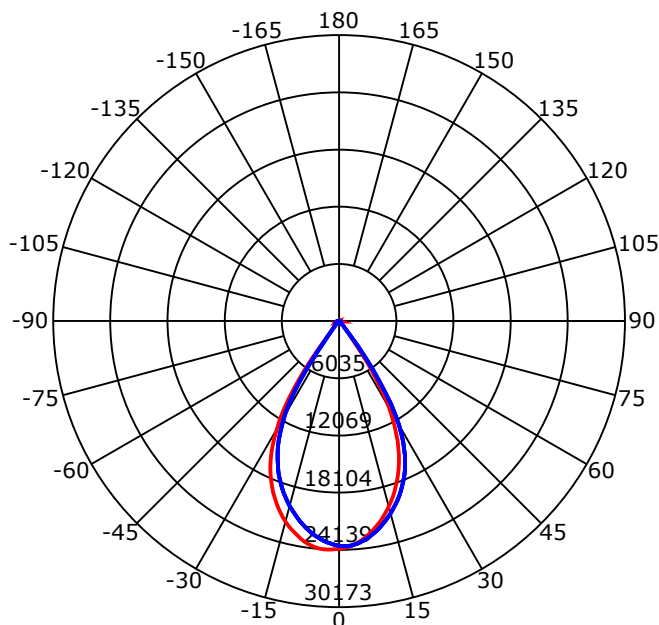
CIE Color Parameter

Chromaticity coordinates: $x = y = u = v = u^{\wedge} = v^{\wedge} = 0.0000$
Color temperature:K (duv=) Color difference:SDCM(CIE)= Main Wl: λ_d = Purity:
Peak wavelength: λ_p = FWHM: $\Delta\lambda_p$ = Color ratio:R= G= B=
Color rendering index :Ra=
R1= R2= R3= R4= R5= R6= R7= R8=
R9= R10= R11= R12= R13= R14= R15=

Picture of Luminaire



Luminous Intensity Distribution Curve



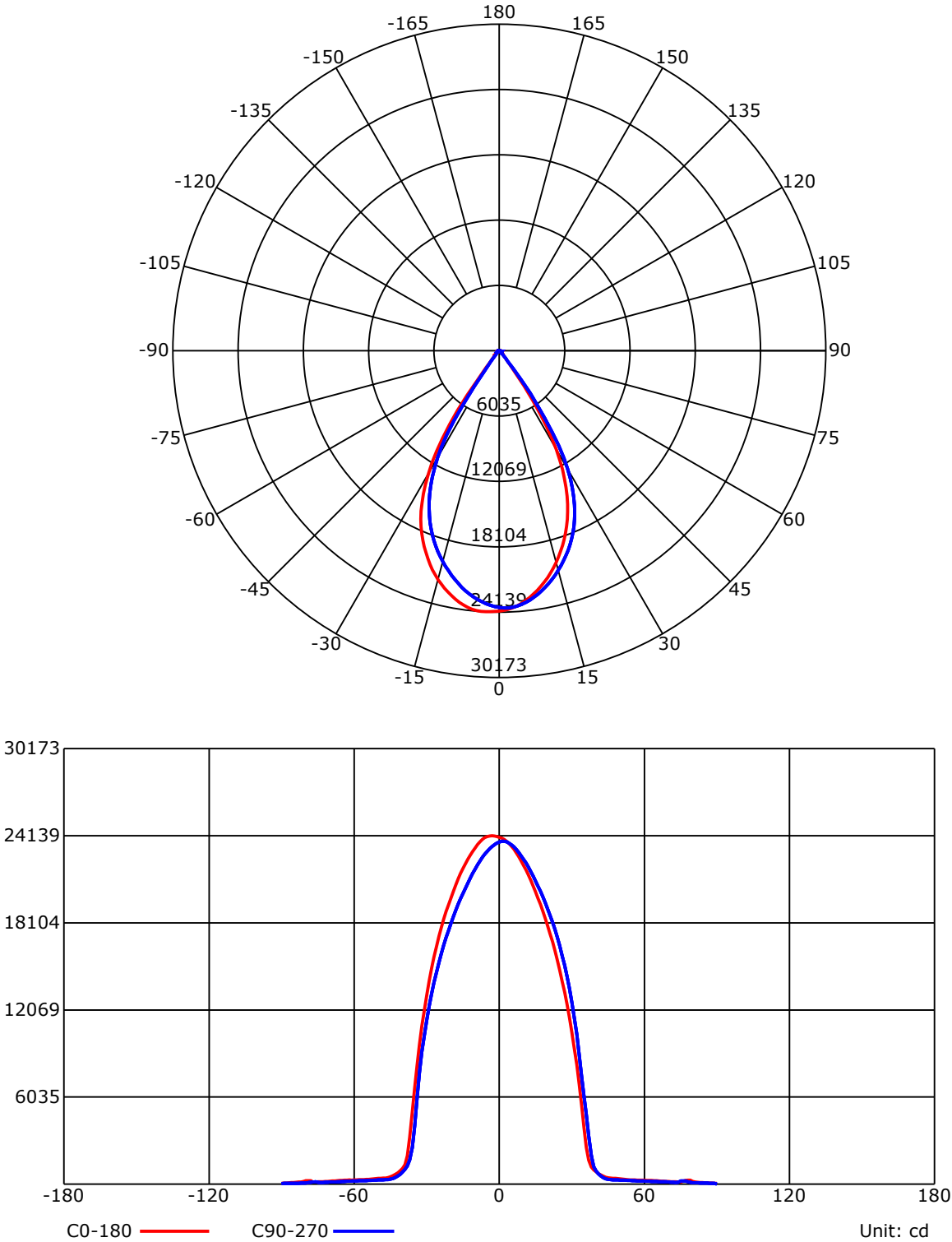
Beam Angle(50%) C0-180,C90-270: 59.4 deg,60.2 deg

C0-180 — C90-270 —

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/25 10:56:42

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 1
Test Distance: 7.061 m
Remarks:

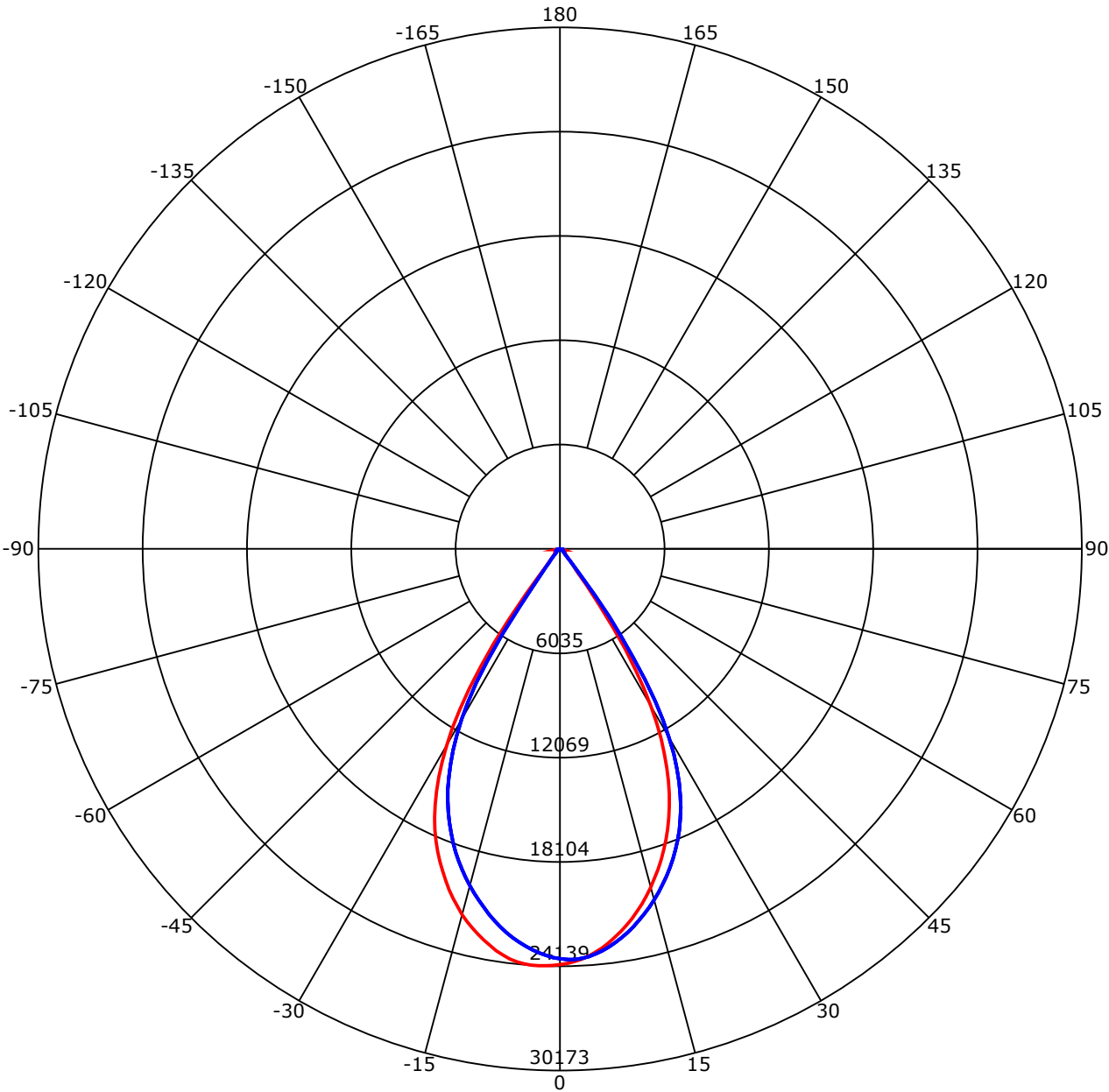
Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg
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Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/25 10:56:42

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 1
Test Distance: 7.061 m
Remarks:

Luminous Intensity Distribution Curve

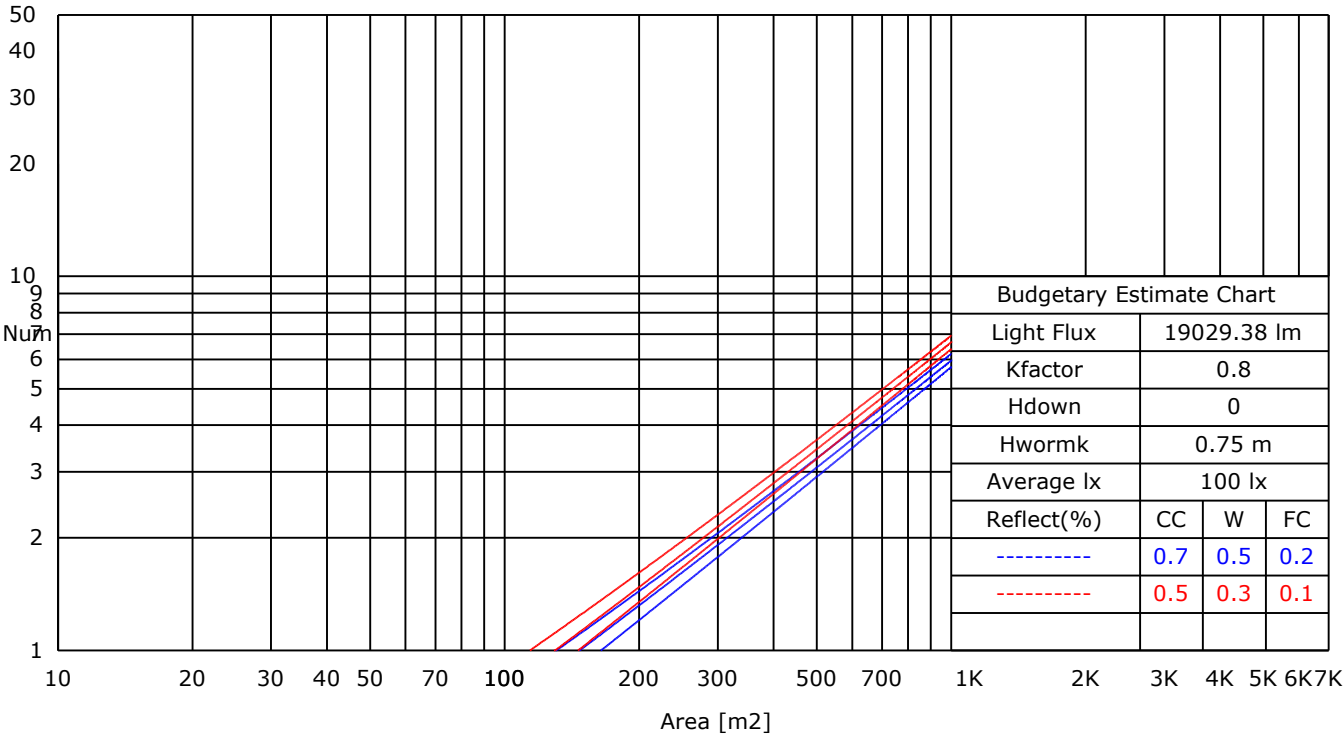


C0-180 — C90-270
Unit: cd/klm

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	COEFFCIENTS 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	1.14	1.13	1.12	1.12	1.11	1.10	1.08	1.07	1.06	1.02	1.01	1.00	0.95	0.94	0.93	0.88
2	1.07	1.05	1.05	1.05	1.04	1.02	1.01	0.99	0.98	0.97	0.95	0.93	0.91	0.88	0.86	0.82
3	1.00	0.99	0.98	0.99	0.97	0.95	0.95	0.93	0.91	0.91	0.89	0.86	0.86	0.83	0.81	0.76
4	0.94	0.92	0.91	0.93	0.91	0.89	0.90	0.87	0.85	0.86	0.83	0.81	0.82	0.79	0.76	0.72
5	0.88	0.87	0.86	0.87	0.85	0.84	0.85	0.82	0.80	0.82	0.78	0.76	0.78	0.74	0.71	0.67
6	0.83	0.81	0.80	0.82	0.80	0.79	0.80	0.77	0.75	0.77	0.74	0.71	0.74	0.70	0.67	0.63
7	0.78	0.77	0.76	0.77	0.75	0.74	0.76	0.73	0.70	0.73	0.70	0.67	0.71	0.66	0.63	0.59
8	0.74	0.72	0.71	0.73	0.71	0.70	0.72	0.69	0.66	0.70	0.66	0.63	0.67	0.63	0.59	0.56
9	0.70	0.68	0.67	0.69	0.67	0.66	0.68	0.65	0.63	0.66	0.62	0.59	0.64	0.60	0.56	0.53
10	0.66	0.65	0.64	0.66	0.64	0.62	0.64	0.61	0.59	0.63	0.59	0.56	0.61	0.57	0.53	0.50

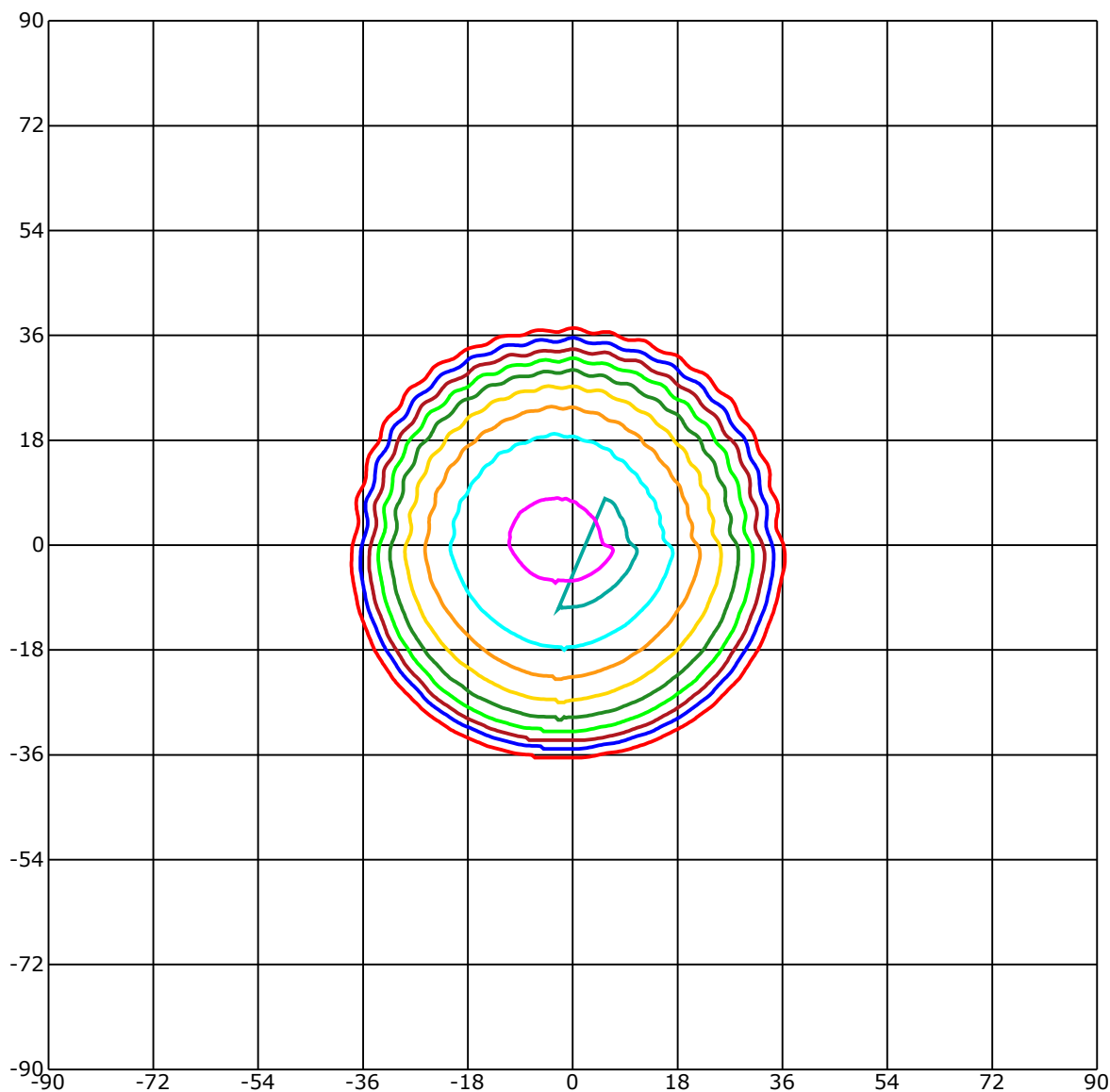
LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/25 10:56:42

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 1
Test Distance: 7.061 m
Remarks:

ISOCANDELA DIAGRAM (RECTANGULAR)



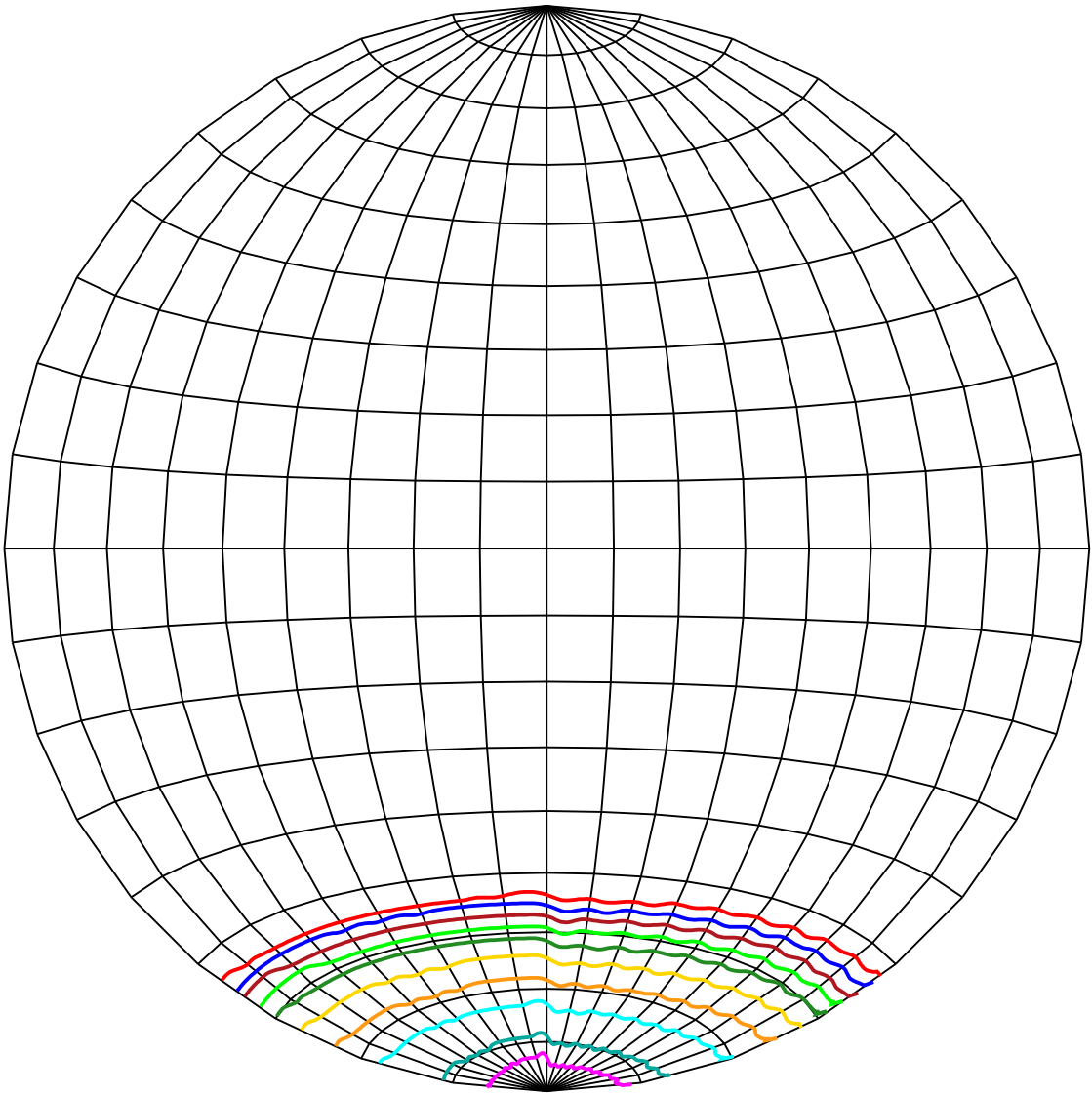
Unit of intensity:cd Imax(100%): 24138.62 cd

22931.69(95%Imax)	12069.31(50%Imax)
21724.76(90%Imax)	9655.448(40%Imax)
19310.9(80%Imax)	7241.586(30%Imax)
16897.03(70%Imax)	4827.724(20%Imax)
14483.17(60%Imax)	2413.862(10%Imax)

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/25 10:56:42

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 1
Test Distance: 7.061 m
Remarks:

ISOCANDELA DIAGRAM (SPHERE)



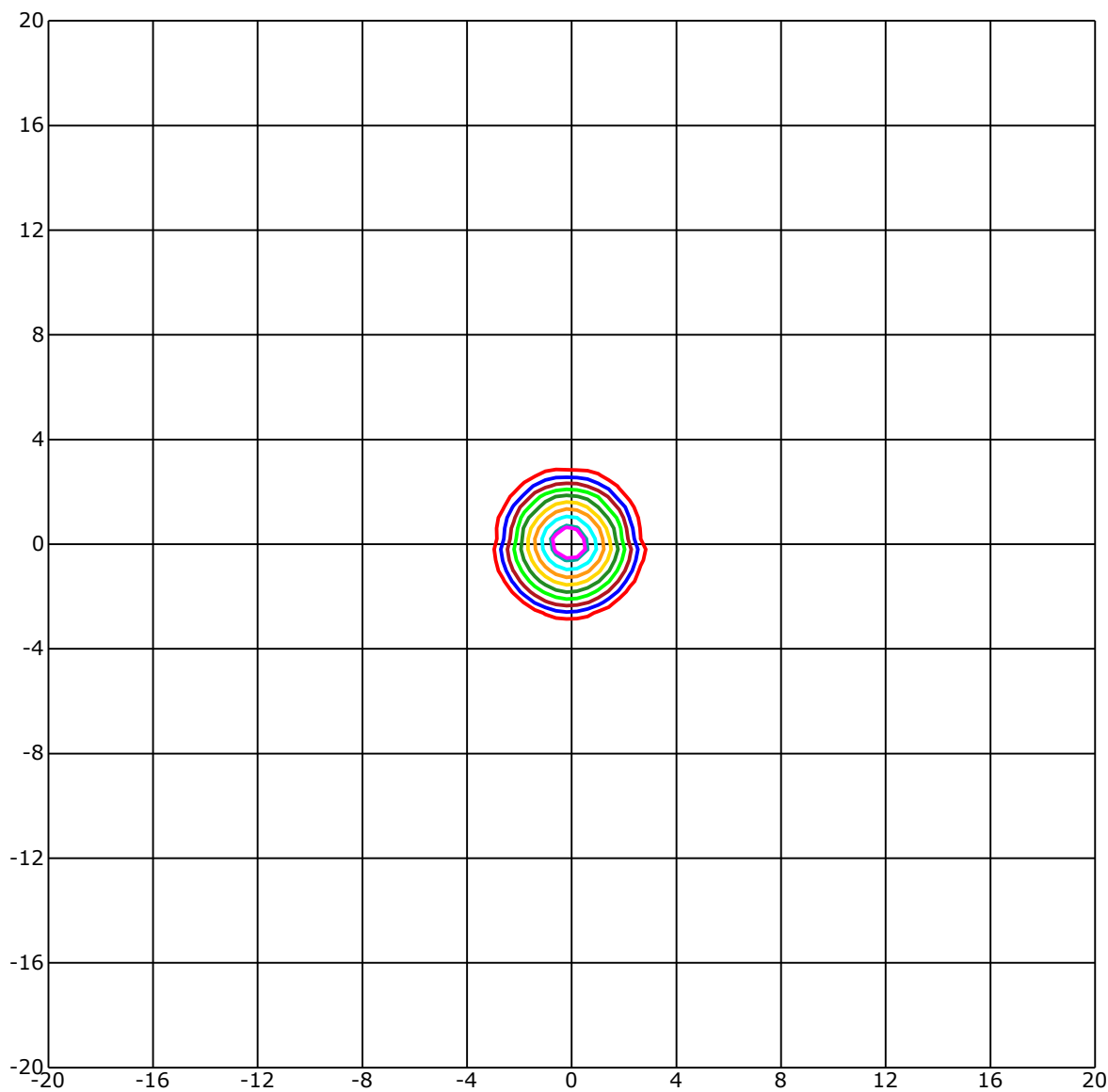
Unit of intensity:cd Imax(100%): 24138.62 cd

22931.69(95%Imax)	12069.31(50%Imax)
21724.76(90%Imax)	9655.448(40%Imax)
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C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/25 10:56:42

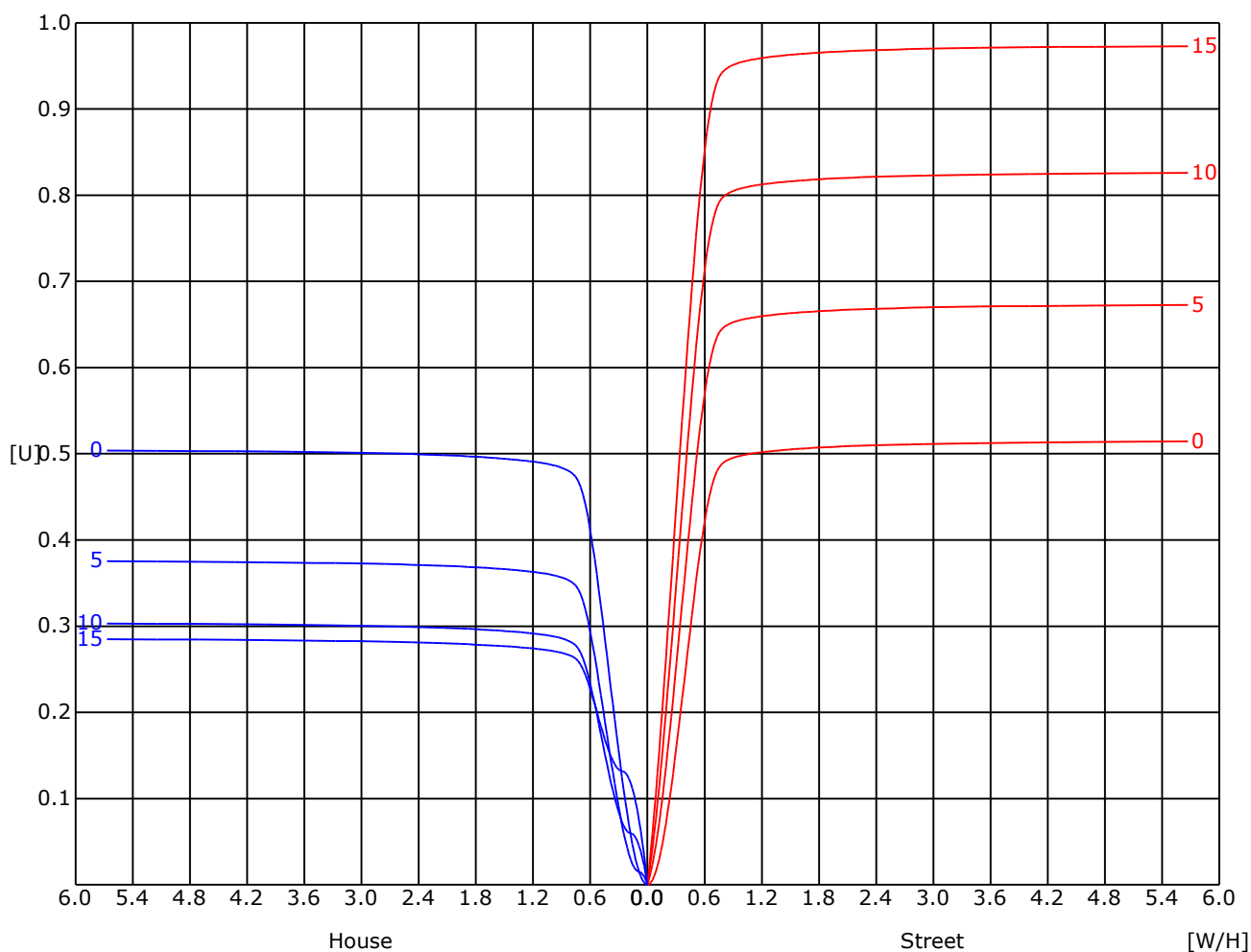
G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 1
Test Distance: 7.061 m
Remarks:

ISOLX DIAGRAM



Unit of illumination:lx Height of plane:4.0(m)/13.12(ft)	
1384.889(92%Emax)	752.657(50%Emax)
1354.783(90%Emax)	602.126(40%Emax)
1204.252(80%Emax)	451.594(30%Emax)
1053.72(70%Emax)	301.063(20%Emax)
903.189(60%Emax)	150.531(10%Emax)

UTILIZATION FACTOR DIAGRAM (ROAD)

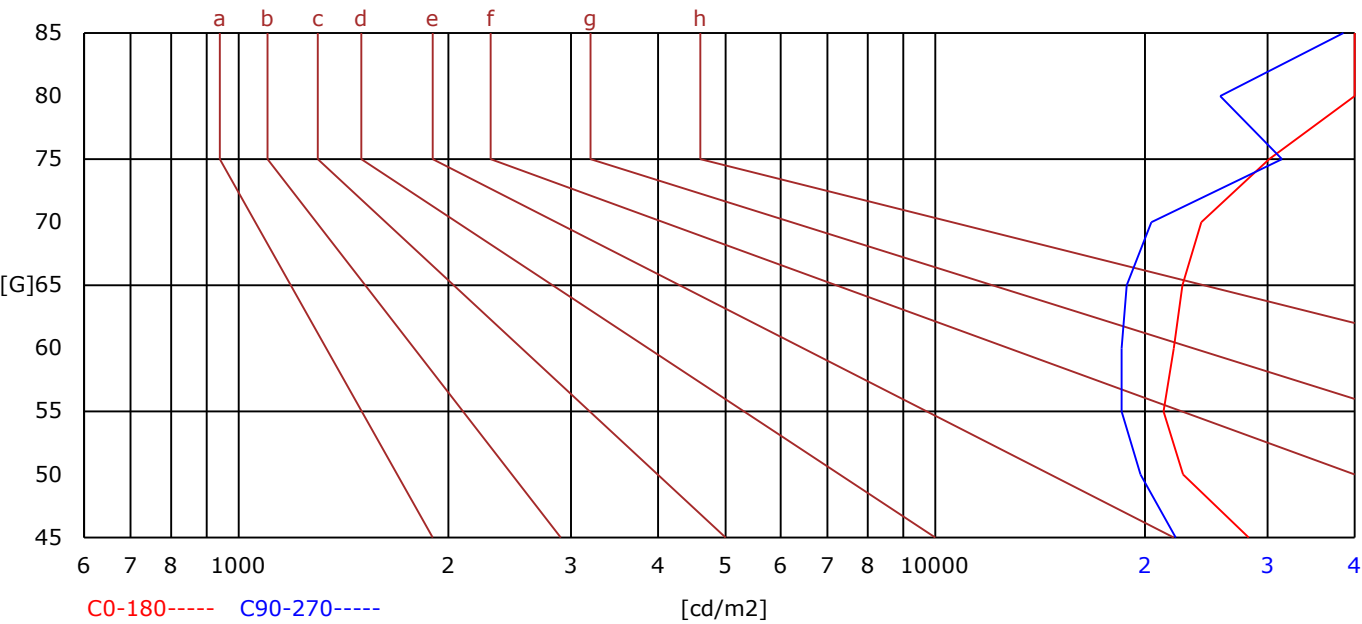


C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/25 10:56:42

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 1
Test Distance: 7.061 m
Remarks:

BRIGHT LIMIT DIAGRAM

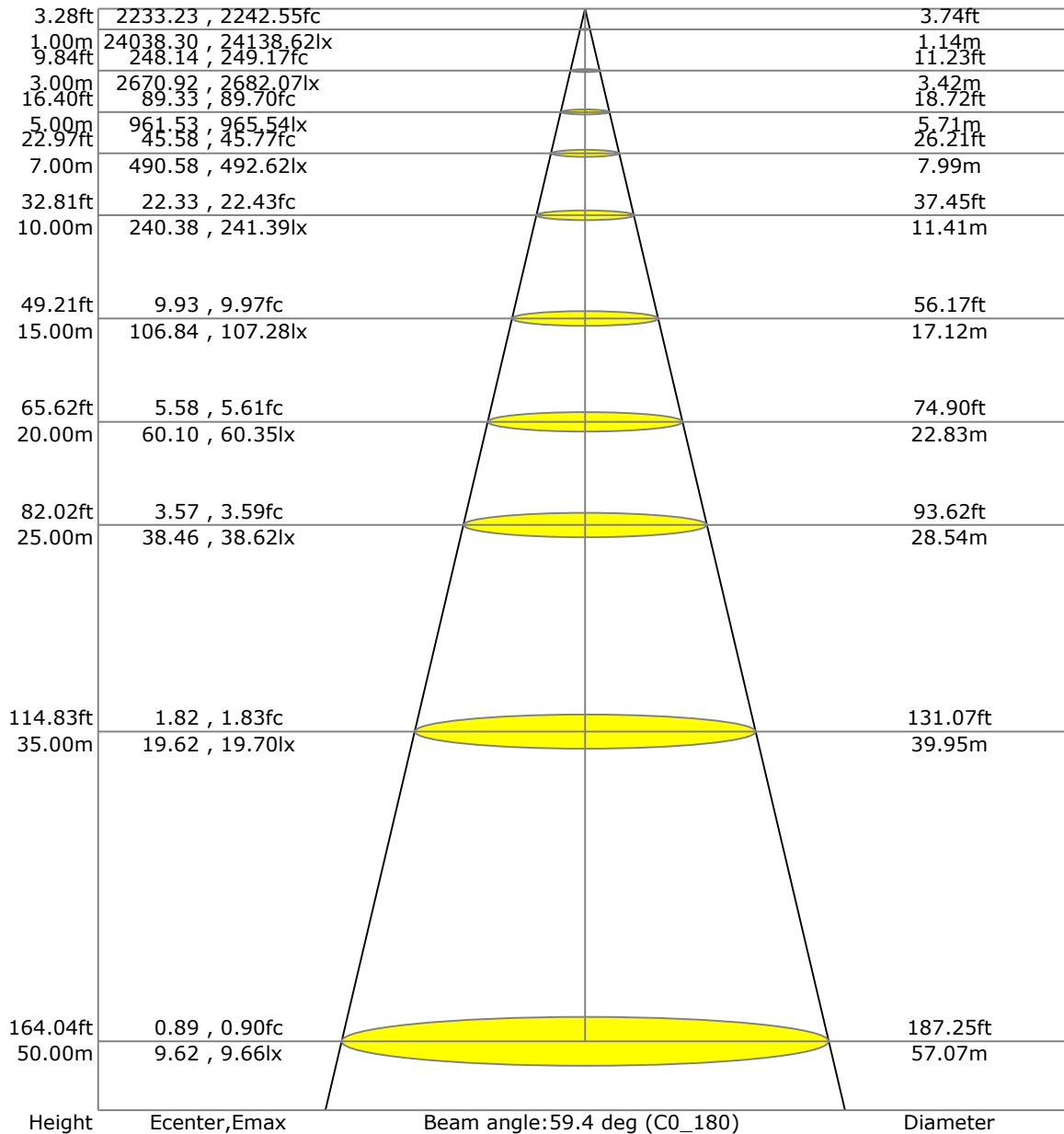
C/G	45	50	55	60	65	70	75	80	85
C0	28181	22690	21263	22003	22622	24101	30144	47501	55162
C90	22137	19694	18502	18508	18830	20432	31467	25651	38535
Dazzle	Quality	Illuminance	---	---	---	---	---	---	---
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
---	---	a	b	c	d	e	f	g	h



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LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/25 10:56:42

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

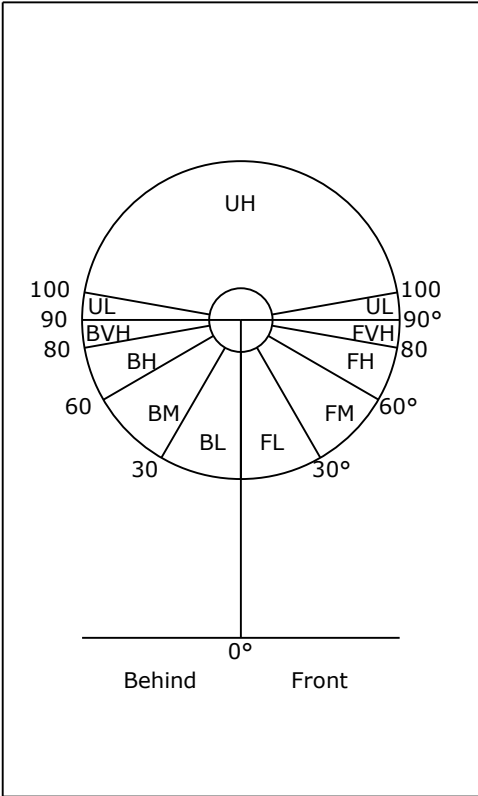
Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	9529.6	50.1
FL (0°-30°)	7496.1	39.4
FM (30°-60°)	1857.3	9.8
FH (60°-80°)	137.2	0.7
FVH (80°-90°)	38.9	0.2

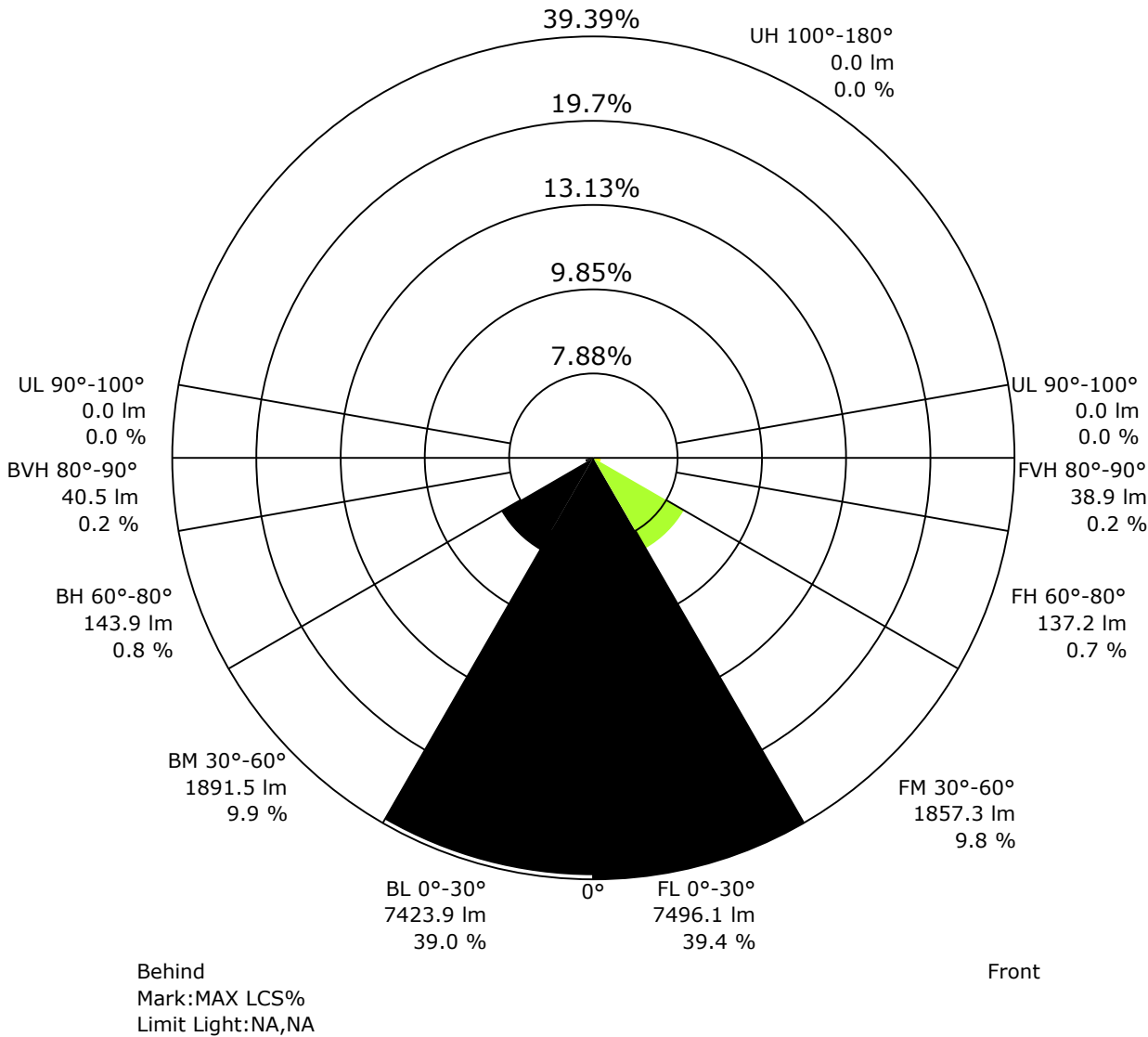
Behind	9499.8	49.9
BL (0°-30°)	7423.9	39.0
BM (30°-60°)	1891.5	9.9
BH (60°-80°)	143.9	0.8
BVH (80°-90°)	40.5	0.2

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)	B5 U0 G1
Symmetrical Lighting Fixtures (Type V , Area Light)	B5 U0 G1

LCS 图



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	22.03	22.32	22.25	22.71	23.17	22.69	22.98	22.90	23.37	23.83
3H	21.80	22.07	22.04	22.47	22.95	22.46	22.73	22.70	23.13	23.61
4H	21.68	21.94	21.94	22.34	22.84	22.34	22.60	22.60	23.00	23.50
6H	21.56	21.80	21.83	22.21	22.72	22.22	22.46	22.49	22.87	23.38
8H	21.49	21.73	21.77	22.14	22.66	22.15	22.39	22.43	22.80	23.32
12H	21.43	21.66	21.72	22.07	22.59	22.09	22.32	22.38	22.73	23.25
4H 2H	22.16	22.42	22.41	22.82	23.31	22.61	22.87	22.87	23.27	23.77
3H	21.99	22.23	22.29	22.64	23.16	22.44	22.67	22.73	23.08	23.60
4H	21.90	22.12	22.21	22.53	23.07	22.34	22.56	22.65	22.97	23.51
6H	21.79	21.99	22.12	22.41	22.96	22.24	22.43	22.57	22.85	23.41
8H	21.73	21.92	22.07	22.34	22.90	22.18	22.36	22.52	22.79	23.35
12H	21.67	21.84	22.02	22.27	22.84	22.12	22.29	22.47	22.71	23.29
8H 4H	22.63	22.87	22.91	23.28	23.79	22.68	22.92	22.96	23.33	23.84
6H	22.53	22.69	22.89	23.12	23.70	22.50	22.66	22.86	23.09	23.67
8H	22.50	22.65	22.88	23.08	23.67	22.48	22.62	22.85	23.05	23.65
12H	22.47	22.59	22.85	23.02	23.63	22.45	22.58	22.84	23.01	23.61
12H 4H	22.84	23.01	23.19	23.44	24.01	22.65	22.83	23.01	23.25	23.83
6H	22.88	23.02	23.25	23.45	24.04	22.67	22.82	23.05	23.25	23.84

G Range: 0 - 90 Deg
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Humidity: 1
Test Distance: 7.061 m
Remarks:

ZONAL LUMINOUS FLUX TABLE-2

γ	C0	C5	C10	C15	C20	C25	C30	C35	γ	φ zonal	φ total	%lum	%lamp
10	22099.52	12226.62	21687.42	21282.32	21735.12	21315.92	21786.22	21378.4	10	2194.0	2194.0	11.5	11.5
20	17899.51	16716.51	17470.51	16778.41	17515.81	16830.21	17558.01	16906.2	20	5733.7	7927.7	41.7	41.7
30	10531.8	8473.6	10018.6	8654.1	10209.8	8906.5	10454.7	9183.3	30	6992.3	14920.0	78.4	78.4
40	860.3	643.0	785.6	631.3	790.0	635.4	802.1	649.1	40	3203.9	18124.0	95.2	95.2
50	366.3	265.4	245.8	227.1	247.4	235.5	256.5	240.0	50	350.9	18474.9	97.1	97.1
60	272.0	200.2	177.3	173.9	178.4	170.8	181.1	171.7	60	194.0	18668.9	98.1	98.1
70	183.7	150.0	147.2	133.3	133.1	133.9	136.4	129.0	70	158.9	18827.8	98.9	98.9
80	186.6	150.1	103.6	91.3	93.8	88.7	85.8	92.7	80	122.2	18950.0	99.6	99.6
90	57.6	39.2	0.0	38.4	0.0	71.4	0.0	59.7	90	79.4	19029.4	100.0	100.0

Conical surface Flux(90deg) : 18344.8 lm

%lum = 96.4%

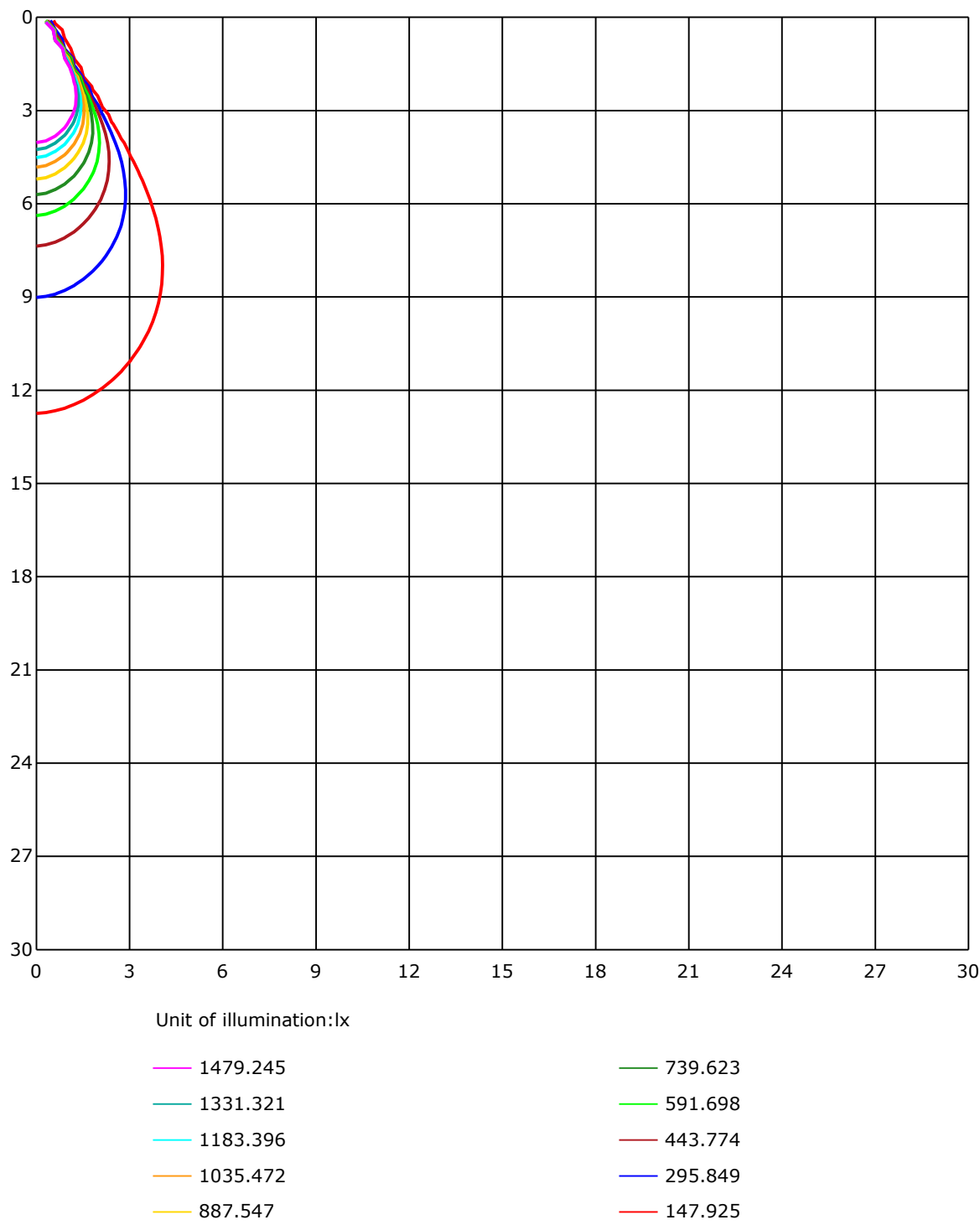
%lamp = 96.4%

Conical surface Flux(120deg) : 18668.8 lm

%lum = 98.1%

%lamp = 98.1%

SPACE ISOLX DIAGRAM



LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C5	C10	C15	C20	C25	C30	C35	C40	C45
G0	24038.3	23588.48	23659.33	23599.65	23661.78	23611.17	23668.01	23629.32	23674.94	23648.56
G1	23975.23	23483.48	23608.18	23506.72	23620.69	23524.97	23636.7	23558.82	23651.31	23589.93
G2	23881.6	23343.68	23531.45	23371.7	23554.18	23400.32	23577.37	23439.76	23595.81	23476.65
G3	23758.45	23163.4	23408.45	23195.21	23434.57	23242.32	23470.52	23293.83	23496.1	23331.37
G4	23612.57	22950.06	23243.17	23001.36	23281.46	23044.99	23323.44	23098.63	23359.84	23148.94
G5	23423.96	22712.29	23046.83	22770.17	23093.45	22813.95	23134.88	22870.53	23183.04	22933.7
G6	23206.47	22448.19	22820.88	22503.93	22868.34	22550.15	22923.23	22616.71	22977.63	22687.51
G7	22958.78	22164.8	22570.49	22221.29	22622.49	22266.11	22675.69	22335.16	22733.72	22415.28
G8	22693.54	21867.65	22294.18	21923.74	22344.83	21970.3	22392.3	22039.71	22459.71	22110.15
G9	22400.03	21555.29	21999.47	21607.29	22049.13	21655.2	22104.82	21717.22	22167.44	21797.1
G10	22099.48	21226.63	21687.41	21282.27	21735.12	21315.87	21786.23	21378.44	21853.39	21457.37
G11	21776.46	20871.79	21366.43	20924.49	21411.2	20963.72	21459.51	21020.81	21526.12	21108.16
G12	21428.2	20489.33	21013.43	20547.01	21070.97	20587.5	21108.21	20653.16	21179.11	20737.27
G13	21054.32	20090.07	20655.75	20147.35	20693.05	20181.36	20746.54	20251.41	20812.41	20348.48
G14	20663.58	19665.98	20256.24	19720.97	20300.32	19754.72	20345.64	19826.52	20423.82	19931.82
G15	20254.0	19233.01	19836.29	19284.47	19881.26	19319.52	19927.18	19378.0	20010.79	19506.33
G16	19821.63	18772.08	19401.78	18821.34	19441.72	18861.92	19493.62	18924.49	19574.99	19056.07
G17	19372.77	18305.36	18957.45	18354.97	18995.99	18381.09	19031.94	18444.66	19126.12	18582.67
G18	18905.3	17804.79	18485.05	17861.03	18519.75	17890.2	18557.54	17955.01	18656.71	18092.67
G19	18412.21	17271.66	17996.24	17330.84	18031.74	17373.07	18072.47	17438.49	18162.77	17576.94
G20	17899.47	16716.45	17470.54	16778.42	17515.81	16830.22	17558.04	16906.15	17659.95	17057.62
G21	17358.26	16106.64	16934.32	16189.35	16978.7	16254.71	17035.73	16341.91	17137.79	16498.27
G22	16783.3	15474.39	16339.37	15562.99	16401.99	15651.78	16475.29	15756.83	16589.11	15928.19
G23	16171.1	14786.75	15721.14	14894.05	15801.16	15002.04	15891.75	15133.46	16017.09	15315.99
G24	15519.46	14061.97	15058.68	14175.25	15161.73	14314.3	15270.92	14472.35	15412.82	14673.73
G25	14815.22	13291.72	14362.61	13412.57	14486.96	13567.28	14622.47	13762.97	14785.41	13979.11
G26	14074.83	12468.32	13604.33	12608.12	13740.14	12780.88	13908.81	12998.8	14091.99	13230.64
G27	13284.69	11584.94	12804.76	11733.92	12958.47	11917.29	13142.39	12153.82	13364.76	12418.86
G28	12445.28	10649.86	11943.07	10808.8	12105.3	11013.52	12313.26	11260.12	12557.32	11547.05
G29	11530.2	9599.56	11031.42	9762.94	11219.43	9996.82	11426.09	10257.33	11681.41	10552.44
G30	10531.79	8473.62	10018.61	8654.1	10209.76	8906.48	10454.67	9183.29	10717.42	9487.18
G31	9438.96	7197.71	8922.84	7427.6	9137.62	7693.94	9388.86	7987.16	9674.24	8288.4
G32	8261.92	5833.2	7718.87	6082.09	7957.64	6396.4	8230.56	6736.13	8517.24	7061.55
G33	6910.93	4371.38	6384.03	4671.92	6665.83	4993.45	6979.18	5360.55	7292.94	5752.68
G34	5499.26	2862.78	4970.37	3149.61	5268.22	3512.63	5608.4	3910.09	5977.74	4328.75
G35	3951.03	1839.7	3444.12	1982.64	3794.52	2188.01	4168.65	2474.59	4567.37	2848.72
G36	2543.89	1268.28	2196.58	1334.99	2403.84	1460.23	2706.28	1612.2	3088.89	1803.95

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/25 10:56:42

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

Gamma\C	C0	C5	C10	C15	C20	C25	C30	C35	C40	C45
G37	1669.19	1022.33	1446.17	1033.4	1569.02	1063.52	1729.76	1135.56	1930.69	1232.48
G38	1192.0	871.51	1091.83	868.22	1131.17	878.04	1212.84	896.39	1324.12	927.6
G39	998.25	746.77	919.23	739.59	928.0	745.62	946.9	756.14	985.94	769.3
G40	860.34	643.02	785.61	631.3	790.0	635.39	802.11	649.15	814.68	647.6
G41	736.95	558.36	668.34	534.23	672.98	536.82	682.85	542.5	689.98	548.19
G42	640.07	481.03	567.88	456.9	569.77	458.29	578.6	462.68	583.73	467.12
G43	557.86	425.78	482.37	395.52	484.02	395.47	493.04	403.25	496.88	402.75
G44	485.96	390.29	420.45	351.95	417.41	351.95	427.43	360.07	430.17	365.66
G45	451.61	362.67	372.04	320.04	366.85	321.73	372.24	332.05	383.71	336.44
G46	427.78	334.2	329.61	292.42	331.65	298.5	343.37	307.97	354.24	311.61
G47	412.77	324.47	311.41	272.92	304.93	279.55	315.0	286.28	323.68	290.57
G48	405.69	299.94	290.27	253.58	283.04	260.31	297.65	265.59	301.74	273.47
G49	394.37	278.41	271.97	240.66	271.33	247.44	274.42	243.46	289.87	257.07
G50	366.3	265.44	245.8	227.05	247.44	235.48	256.47	240.02	270.93	243.65
G51	347.41	254.52	230.04	216.63	234.53	222.96	242.31	229.64	246.35	232.19
G52	332.65	244.05	218.13	208.51	223.26	215.14	230.39	221.12	232.94	222.02
G53	316.1	234.38	209.25	201.72	213.64	206.86	220.62	213.09	221.62	212.29
G54	304.63	227.3	201.72	198.03	206.11	199.43	212.09	205.66	214.29	205.31
G55	296.65	221.97	196.04	192.95	200.18	193.85	204.67	199.33	208.41	190.81
G56	290.47	216.53	190.91	188.86	194.89	188.66	200.93	192.35	202.52	190.56
G57	285.29	213.39	187.22	184.92	190.36	183.28	193.25	186.72	195.44	182.88
G58	280.85	209.1	183.13	181.73	178.69	178.74	189.36	181.08	183.53	175.7
G59	276.61	204.47	180.58	177.94	182.58	174.65	185.12	183.23	181.83	170.06
G60	272.02	200.23	177.29	173.9	178.44	170.81	181.13	171.66	177.59	164.58
G61	264.74	196.54	173.31	170.21	173.55	167.22	176.99	166.28	172.06	160.14
G62	258.41	182.18	171.81	165.63	169.02	163.58	163.88	163.53	166.87	155.36
G63	256.72	185.77	168.07	161.54	164.53	152.71	167.82	159.84	161.09	151.22
G64	250.34	180.19	165.18	157.85	160.09	155.71	163.33	155.06	156.7	146.78
G65	233.13	174.0	160.69	160.29	155.51	151.52	159.05	152.51	152.32	143.14
G66	229.79	168.82	156.55	149.32	150.47	141.99	154.16	148.13	148.18	138.45
G67	212.64	163.68	152.32	144.74	145.58	142.39	149.07	144.59	146.23	134.52
G68	201.18	161.24	148.38	140.65	141.35	138.01	144.59	140.3	138.41	129.83
G69	190.06	153.71	143.74	137.16	141.65	133.67	147.38	134.47	135.16	124.89
G70	183.73	150.02	147.23	133.27	133.07	133.87	136.36	128.98	130.38	120.01
G71	168.42	153.51	135.16	129.23	128.78	126.24	132.52	126.79	127.29	115.72
G72	168.92	143.09	130.83	125.54	125.29	120.71	127.84	122.15	121.85	111.33
G73	163.93	140.25	128.03	121.6	121.8	121.4	124.35	120.81	116.92	105.1

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/25 10:56:42

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 2)

[illegible]

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/25 10:56:42

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 1
Test Distance: 7.061 m
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 3)

Gamma\C	C50	C55	C60	C65	C70	C75	C80	C85	C90	C95
G0	23668.41	23663.07	23671.4	23686.36	23674.74	23711.33	23687.5	23736.36	23707.24	23778.79
G1	23663.67	23616.06	23680.92	23644.18	23700.81	23679.77	23722.05	23725.99	23755.26	23772.41
G2	23623.58	23520.78	23653.6	23562.31	23678.68	23608.58	23721.75	23665.62	23760.69	23726.04
G3	23531.6	23381.38	23576.32	23442.15	23618.5	23499.14	23667.76	23560.71	23720.61	23633.86
G4	23406.7	23209.96	23463.39	23281.51	23519.38	23352.71	23571.08	23434.72	23637.84	23513.7
G5	23237.04	23008.29	23302.7	23095.94	23375.19	23180.1	23445.99	23268.6	23518.34	23361.63
G6	23037.06	22771.52	23116.73	22875.32	23199.4	22970.6	23286.1	23070.51	23367.76	23174.42
G7	22811.15	22509.91	22900.2	22628.22	22996.87	22749.33	23096.69	22864.45	23190.82	22968.65
G8	22543.96	22222.08	22652.16	22353.41	22766.93	22496.3	22883.5	22625.43	22988.45	22740.01
G9	22257.78	21913.42	22393.0	22063.54	22516.14	22222.88	22647.57	22365.62	22762.29	22494.71
G10	21951.51	21582.86	22084.03	21749.78	22238.39	21931.16	22387.91	22086.17	22518.34	22222.38
G11	21620.4	21234.8	21775.01	21418.58	21935.9	21618.16	22106.66	21787.72	22252.0	21936.4
G12	21277.53	20876.72	21438.47	21071.57	21625.19	21286.45	21811.11	21475.42	21964.37	21630.57
G13	20917.76	20483.74	21088.02	20697.38	21290.24	20936.1	21504.58	21150.99	21667.81	21315.27
G14	20535.65	20089.97	20711.64	20305.7	20933.91	20556.14	21162.51	20795.41	21343.04	20975.14
G15	20138.83	19673.21	20328.54	19902.55	20561.42	20184.8	20811.61	20439.02	21005.71	20632.47
G16	19712.84	19234.66	19911.08	19488.34	20164.16	19782.95	20443.71	20067.43	20652.41	20262.58
G17	19277.54	18781.9	19494.97	19048.84	19758.61	19367.63	20060.15	19665.28	20288.6	19884.46
G18	18812.31	18315.18	19051.03	18597.13	19333.73	18927.74	19657.95	19246.33	19912.63	19484.55
G19	18336.32	17813.71	18594.89	18117.85	18893.08	18472.29	19235.71	18799.3	19504.74	19056.37
G20	17836.8	17299.13	18116.85	17621.16	18432.2	17987.47	18789.58	18337.57	19076.36	18605.21
G21	17323.11	16754.94	17614.58	17092.87	17956.16	17474.53	18323.96	17841.39	18629.84	18112.41
G22	16782.86	16202.51	17095.91	16538.4	17441.13	16929.29	17824.38	17303.22	18145.77	17610.69
G23	16224.7	15597.44	16547.63	15948.34	16906.45	16354.73	17305.42	16737.19	17643.9	17049.39
G24	15633.69	14960.96	15963.94	15319.28	16337.63	15727.12	16746.26	16121.29	17092.42	16441.28
G25	15017.49	14274.37	15349.2	14639.47	15738.39	15055.44	16147.37	15446.57	16505.5	15783.21
G26	14335.29	13544.7	14684.25	13923.27	15072.34	14332.9	15483.61	14732.01	15847.82	15072.54
G27	13621.58	12732.56	13973.47	13118.91	14358.18	13539.96	14784.21	13937.92	15152.21	14278.1
G28	12833.28	11866.69	13194.55	12257.62	13586.68	12673.18	14006.68	13079.17	14385.25	13430.32
G29	11983.1	10888.33	12346.17	11272.48	12745.28	11694.53	13169.77	12108.65	13551.18	12460.64
G30	11032.57	9832.34	11398.17	10213.55	11808.4	10631.21	12225.96	11046.98	12612.41	11406.25
G31	9995.33	8629.13	10364.77	9022.55	10765.78	9422.76	11189.42	9776.45	11576.81	10152.78
G32	8836.83	7404.12	9214.21	7805.58	9607.33	8080.89	10018.26	8337.36	10389.15	8715.23
G33	7610.53	6144.62	7999.17	6533.9	8372.61	6670.71	8651.91	6924.64	8966.96	7235.4
G34	6353.27	4775.12	6740.22	5114.95	7042.05	5315.68	7220.64	5588.15	7510.82	5873.14
G35	4984.97	3265.23	5437.88	3584.87	5638.21	3879.58	5847.26	4221.2	6133.7	4542.14
G36	3503.7	2025.57	3935.87	2268.33	4218.26	2478.38	4501.7	2735.54	4845.27	3062.21

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/25 10:56:42

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 4)

Gamma\C	C100	C105	C110	C115	C120	C125	C130	C135	C140	C145
G0	23738.76	23809.85	23762.29	23853.83	23781.13	23879.01	23812.0	23905.73	23832.89	23936.34
G1	23789.46	23821.47	23817.53	23871.33	23844.3	23912.51	23876.56	23949.45	23900.14	23981.36
G2	23805.12	23788.02	23846.5	23853.58	23885.09	23896.31	23921.78	23951.55	23943.87	23999.81
G3	23778.19	23709.14	23830.74	23790.26	23883.19	23861.31	23930.31	23923.53	23975.73	23981.31
G4	23707.1	23596.01	23776.25	23686.21	23849.59	23778.79	23908.37	23858.41	23966.9	23929.41
G5	23600.95	23455.76	23679.38	23557.67	23770.46	23664.42	23846.35	23751.47	23917.54	23839.97
G6	23460.4	23281.86	23554.28	23408.55	23654.4	23520.63	23748.88	23615.71	23830.59	23707.89
G7	23291.78	23083.43	23397.68	23220.13	23513.6	23344.33	23619.65	23446.74	23714.08	23540.87
G8	23096.34	22864.05	23209.96	23007.34	23341.14	23134.83	23455.31	23243.72	23550.99	23340.89
G9	22877.06	22628.28	23005.85	22779.74	23140.76	22912.51	23265.46	23005.85	23363.63	23106.56
G10	22643.58	22369.86	22783.28	22528.56	22917.55	22656.29	23041.7	22762.74	23139.71	22841.82
G11	22386.02	22094.35	22536.64	22256.64	22681.37	22384.12	22790.76	22478.8	22894.62	22560.22
G12	22114.49	21804.43	22265.31	21954.1	22404.41	22087.57	22525.37	22170.48	22610.72	22256.14
G13	21816.19	21480.05	21977.78	21637.1	22114.64	21763.69	22238.04	21846.21	22313.52	21937.4
G14	21500.54	21149.6	21663.08	21297.27	21805.72	21418.93	21914.66	21506.88	22001.56	21600.16
G15	21175.67	20804.48	21336.21	20946.47	21469.08	21052.77	21577.47	21147.45	21667.67	21248.56
G16	20828.71	20433.79	20983.47	20570.5	21115.04	20669.46	21215.21	20767.83	21315.57	20870.64
G17	20471.43	20048.14	20621.95	20178.07	20740.71	20265.22	20839.03	20367.43	20947.22	20458.47
G18	20098.64	19651.07	20233.71	19760.06	20338.26	19843.97	20438.03	19937.65	20538.69	20026.3
G19	19705.22	19220.2	19828.62	19316.43	19925.69	19395.85	20018.47	19481.51	20115.4	19557.34
G20	19285.46	18763.16	19402.78	18852.25	19489.63	18934.66	19579.43	19001.43	19663.34	19074.92
G21	18843.77	18275.54	18956.6	18359.36	19030.94	18434.09	19120.63	18497.61	19189.89	18557.49
G22	18363.79	17766.5	18469.59	17839.74	18546.52	17907.75	18620.46	17960.74	18687.67	18026.56
G23	17870.4	17211.08	17963.49	17276.3	18034.63	17339.22	18101.89	17389.13	18157.29	17455.54
G24	17331.24	16617.13	17423.13	16695.16	17487.45	16742.62	17548.97	16777.32	17595.14	16859.54
G25	16753.24	15963.94	16852.46	16060.52	16912.39	16095.52	16964.94	16136.15	17012.95	16211.83
G26	16108.18	15268.93	16226.89	15367.05	16287.32	15423.74	16323.02	15453.8	16383.25	15527.84
G27	15422.29	14501.72	15546.33	14621.97	15621.47	14678.46	15656.47	14705.29	15715.3	14774.29
G28	14662.51	13678.96	14816.47	13816.12	14892.7	13884.18	14931.74	13915.69	14984.84	13977.96
G29	13848.33	12734.21	14015.75	12907.02	14104.05	12988.19	14157.35	13025.38	14201.87	13063.27
G30	12924.47	11694.88	13128.43	11898.94	13238.22	12014.41	13295.31	12056.44	13331.9	12082.87
G31	11895.8	10502.23	12132.88	10736.56	12275.52	10895.71	12361.62	10940.43	12382.36	10941.53
G32	10738.95	9149.99	11020.0	9456.02	11185.98	9629.02	11285.05	9707.25	11321.44	9712.53
G33	9387.21	7616.52	9749.33	8040.46	9958.38	8232.91	10072.8	8300.36	10116.18	8298.47
G34	7862.61	6173.63	8305.45	6617.42	8582.51	6831.95	8707.05	6861.47	8757.61	6836.64
G35	6420.08	4852.3	6807.92	5241.64	7171.19	5481.46	7276.04	5444.81	7306.5	5340.61
G36	5117.95	3444.22	5459.27	3779.32	5844.72	4003.43	5889.59	3935.12	5852.9	3775.03

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/25 10:56:42

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 5)

Gamma\C	C150	C155	C160	C165	C170	C175	C180	C185	C190	C195
G0	23864.85	23976.38	23899.85	24013.72	23978.12	24060.44	24038.3	23588.48	23659.33	23599.65
G1	23930.51	24013.97	23969.2	24049.57	24030.37	24096.04	24086.91	23655.64	23692.94	23655.0
G2	23980.96	24040.1	24020.8	24072.95	24056.7	24111.04	24114.73	23691.34	23707.89	23686.71
G3	24015.62	24031.42	24049.52	24077.09	24088.36	24105.86	24138.62	23714.38	23705.45	23691.49
G4	24010.73	23991.58	24053.71	24029.53	24090.25	24059.39	24128.49	23722.1	23685.81	23680.92
G5	23981.71	23907.47	24023.24	23954.24	24055.1	23974.98	24088.81	23696.33	23639.14	23645.42
G6	23897.95	23778.69	23956.63	23823.56	23990.34	23837.52	24009.08	23638.79	23560.51	23572.83
G7	23791.06	23617.1	23843.61	23665.17	23881.45	23676.18	23891.27	23528.86	23445.59	23445.94
G8	23639.09	23420.02	23690.29	23469.62	23723.2	23474.01	23727.84	23394.79	23293.68	23294.77
G9	23447.14	23184.44	23512.3	23235.44	23547.65	23242.97	23533.94	23197.6	23093.5	23093.0
G10	23222.13	22920.14	23285.65	22990.34	23317.26	22991.29	23297.27	22983.51	22868.99	22862.61
G11	22970.2	22643.43	23043.14	22718.62	23075.55	22728.99	23052.66	22733.43	22607.54	22600.4
G12	22693.39	22346.03	22769.72	22431.94	22814.94	22447.34	22792.01	22482.54	22341.59	22321.65
G13	22403.71	22036.21	22485.03	22119.33	22543.27	22136.53	22517.14	22203.24	22049.78	22025.49
G14	22085.92	21695.74	22177.21	21784.88	22245.72	21804.08	22214.95	21922.69	21752.13	21723.41
G15	21763.34	21333.77	21848.35	21420.77	21918.95	21438.87	21892.82	21601.21	21428.6	21397.44
G16	21403.77	20945.18	21493.11	21029.79	21561.32	21052.17	21524.92	21258.78	21070.42	21046.44
G17	21031.63	20540.13	21113.3	20616.87	21181.3	20639.25	21142.77	20878.12	20689.01	20660.19
G18	20635.26	20096.75	20702.67	20171.44	20767.24	20201.6	20735.93	20479.31	20270.25	20246.47
G19	20191.33	19636.26	20267.81	19711.9	20341.45	19741.16	20292.49	20058.46	19838.04	19800.39
G20	19737.22	19157.93	19813.61	19242.04	19886.85	19270.51	19836.09	19623.05	19380.89	19350.03
G21	19265.72	18645.99	19340.31	18735.44	19415.19	18766.5	19374.11	19170.74	18916.52	18878.57
G22	18757.77	18116.65	18845.37	18207.59	18928.73	18231.02	18880.77	18700.19	18444.46	18394.81
G23	18234.31	17549.42	18332.19	17635.77	18397.9	17641.06	18356.46	18196.52	17941.35	17893.34
G24	17678.35	16944.64	17769.04	17012.0	17831.46	17003.58	17782.05	17661.6	17396.4	17365.94
G25	17100.2	16287.27	17182.02	16339.87	17227.49	16299.49	17167.36	17085.14	16803.1	16798.86
G26	16467.31	15587.37	16534.56	15611.25	16554.01	15551.22	16478.63	16429.12	16156.34	16168.56
G27	15792.08	14815.27	15837.05	14813.33	15829.03	14728.57	15738.59	15744.52	15455.25	15498.32
G28	15051.5	13994.86	15068.55	13962.95	15043.67	13860.95	14939.42	14994.81	14714.36	14774.04
G29	14252.93	13061.77	14249.24	12998.06	14193.5	12883.14	14079.97	14181.78	13895.2	13990.03
G30	13365.51	12056.29	13337.19	11959.47	13253.13	11827.1	13128.88	13296.9	13006.63	13139.6
G31	12390.69	10918.84	12338.39	10793.3	12225.06	10625.18	12096.13	12342.23	12034.66	12200.98
G32	11302.65	9655.55	11232.3	9493.71	11086.96	9316.41	10947.21	11289.28	10976.43	11154.32
G33	10099.98	8203.24	9990.89	8038.81	9821.37	7849.15	9666.42	10132.93	9775.9	10017.96
G34	8715.83	6725.51	8579.22	6557.19	8400.23	6327.84	8224.43	8799.54	8443.85	8690.25
G35	7238.99	5192.08	7104.78	4974.01	6903.6	4643.5	6700.98	7376.2	6936.36	7228.32
G36	5749.29	3549.42	5604.91	3247.03	5356.56	2957.76	5060.56	5814.66	5314.68	5544.53

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/25 10:56:42

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 6)

Gamma\C	C200	C205	C210	C215	C220	C225	C230	C235	C240	C245
G0	23661.78	23611.17	23668.01	23629.32	23674.94	23648.56	23668.41	23663.07	23671.4	23686.36
G1	23685.41	23657.74	23673.54	23666.71	23660.18	23672.4	23646.67	23672.6	23627.62	23682.12
G2	23679.52	23670.55	23653.25	23670.6	23627.77	23660.73	23596.21	23642.68	23566.25	23633.61
G3	23666.41	23663.02	23624.73	23641.43	23572.43	23608.98	23517.24	23575.07	23473.56	23553.19
G4	23630.42	23629.97	23575.07	23589.43	23485.68	23531.8	23430.68	23476.95	23358.34	23424.25
G5	23575.22	23581.65	23494.95	23506.42	23393.59	23428.89	23304.84	23349.12	23217.54	23273.04
G6	23476.36	23483.23	23383.72	23399.38	23276.53	23292.63	23166.49	23189.57	23052.91	23100.78
G7	23344.93	23346.78	23239.93	23246.51	23115.54	23132.44	22996.62	23006.79	22862.46	22894.31
G8	23179.6	23174.17	23058.35	23064.83	22929.91	22937.84	22795.8	22804.92	22652.9	22672.8
G9	22973.79	22966.16	22845.9	22843.51	22710.04	22705.46	22567.5	22563.56	22411.99	22418.27
G10	22733.52	22731.18	22596.91	22597.91	22449.34	22453.72	22314.22	22301.91	22156.02	22154.98
G11	22462.05	22449.29	22308.14	22301.76	22165.95	22164.15	22024.25	22015.87	21863.36	21859.77
G12	22164.55	22141.06	21990.0	21996.63	21860.07	21854.18	21704.76	21702.72	21548.8	21542.08
G13	21851.34	21833.74	21666.32	21657.79	21509.37	21511.06	21357.3	21359.45	21196.16	21211.12
G14	21536.44	21512.86	21323.7	21314.07	21144.31	21158.32	20998.18	21008.55	20846.46	20867.65
G15	21201.1	21167.2	20971.4	20943.83	20765.79	20773.72	20612.18	20633.32	20476.57	20505.83
G16	20834.54	20807.52	20594.93	20564.41	20365.98	20373.96	20210.67	20240.64	20082.34	20124.52
G17	20443.16	20414.99	20189.78	20166.35	19951.86	19962.18	19791.77	19828.31	19677.55	19723.46
G18	20021.12	20001.87	19770.23	19756.37	19535.25	19538.54	19370.72	19408.26	19260.44	19317.42
G19	19569.46	19552.65	19330.63	19307.15	19099.39	19098.0	18919.86	18964.68	18816.5	18888.3
G20	19096.15	19086.33	18855.79	18851.6	18637.26	18645.44	18454.24	18514.81	18354.42	18445.76
G21	18613.73	18598.43	18352.97	18363.94	18145.27	18163.67	17978.24	18041.66	17879.58	17975.3
G22	18117.2	18093.02	17841.63	17855.64	17630.14	17665.84	17479.62	17546.73	17382.79	17478.47
G23	17623.26	17580.88	17322.27	17319.87	17106.88	17142.73	16962.84	17032.74	16867.31	16964.04
G24	17073.93	17051.44	16783.16	16783.46	16562.33	16597.14	16417.35	16491.49	16320.38	16416.8
G25	16503.95	16487.45	16209.49	16215.18	15975.41	16025.72	15822.35	15916.48	15743.52	15852.26
G26	15883.32	15883.17	15604.97	15610.1	15357.72	15415.76	15208.25	15303.58	15131.82	15231.73
G27	15214.13	15247.04	14958.11	14984.69	14723.63	14778.48	14566.58	14659.32	14474.1	14580.04
G28	14490.7	14542.1	14253.67	14295.46	14033.55	14091.09	13860.0	13965.7	13755.74	13868.87
G29	13689.28	13776.49	13475.15	13549.03	13260.86	13360.32	13106.75	13219.28	12980.21	13094.88
G30	12840.96	12937.48	12642.12	12720.9	12434.91	12539.37	12276.27	12387.15	12115.48	12241.96
G31	11896.1	12036.6	11712.73	11827.8	11515.84	11647.96	11341.33	11488.76	11158.06	11295.32
G32	10847.39	11014.62	10680.22	10815.98	10471.27	10628.37	10308.68	10451.87	10099.48	10228.11
G33	9649.21	9869.19	9492.36	9685.91	9289.19	9487.63	9085.42	9268.75	8832.79	8997.42
G34	8317.66	8532.9	8118.43	8337.66	7911.42	8106.02	7654.11	7835.89	7313.53	7491.62
G35	6751.18	7037.02	6511.62	6767.64	6201.7	6478.76	5861.07	6114.35	5419.24	5668.87
G36	4996.79	5239.6	4673.76	4878.88	4299.18	4513.67	3950.18	4123.33	3566.62	3736.44

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/25 10:56:42

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

