

Report No.: KUPU-T200B-60D

Test Time: 2025/9/25 16:20:27

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: GZAILITELED
Luminaire Type: KUPU-T200B
Lamp Type:
Luminous Width: 144 mm
Luminous Length: 264 mm
Luminous Height: 0.8 mm

Voltage(V): 221.93 V
Current(A): 0.7030 A
Power(W): 198.39 W
Power Factor: 0.9890
Lamp Luminous Flux: 36072.25

Photometric Results

CIE Class: Direct
Luminaire Luminous Flux: 36072.25 lm
Downward Ratio: 100.00%
Luminaire Efficacy Rating(LER): 181.82 lm/W
Beam Angle(50%) C0-180,C90-270: 62.5,63.1
Field Angle(10%) C0-180,C90-270: 75.0,75.9
S/MH C0-180,C90-270: 0.975,0.975

Max. Intensity: 43127.57 cd
Max.Intensity Angle: C=0 Gamma=1
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 43118.01 cd
Effective Luminous Flux: 34135.65 lm
ERP(ϕ use)(120deg): 35515.73 lm

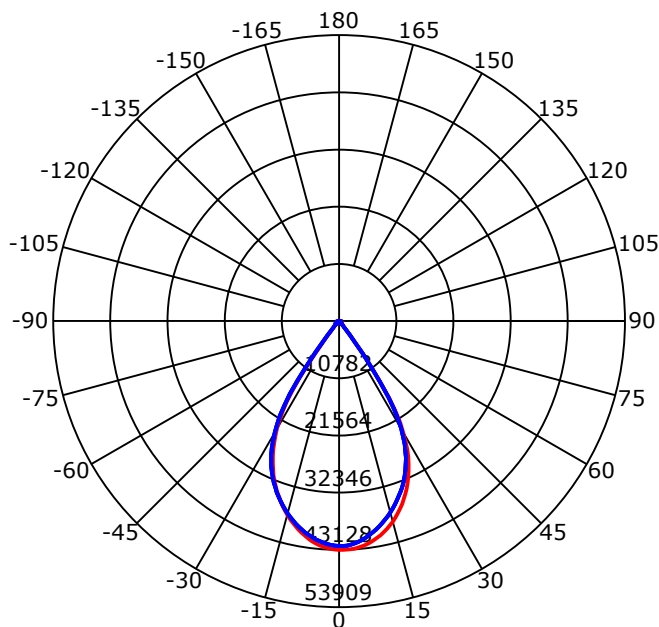
CIE Color Parameter

Chromaticity coordinates: $x = y = v = u^{\wedge} = v^{\wedge} = 0.0000$
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



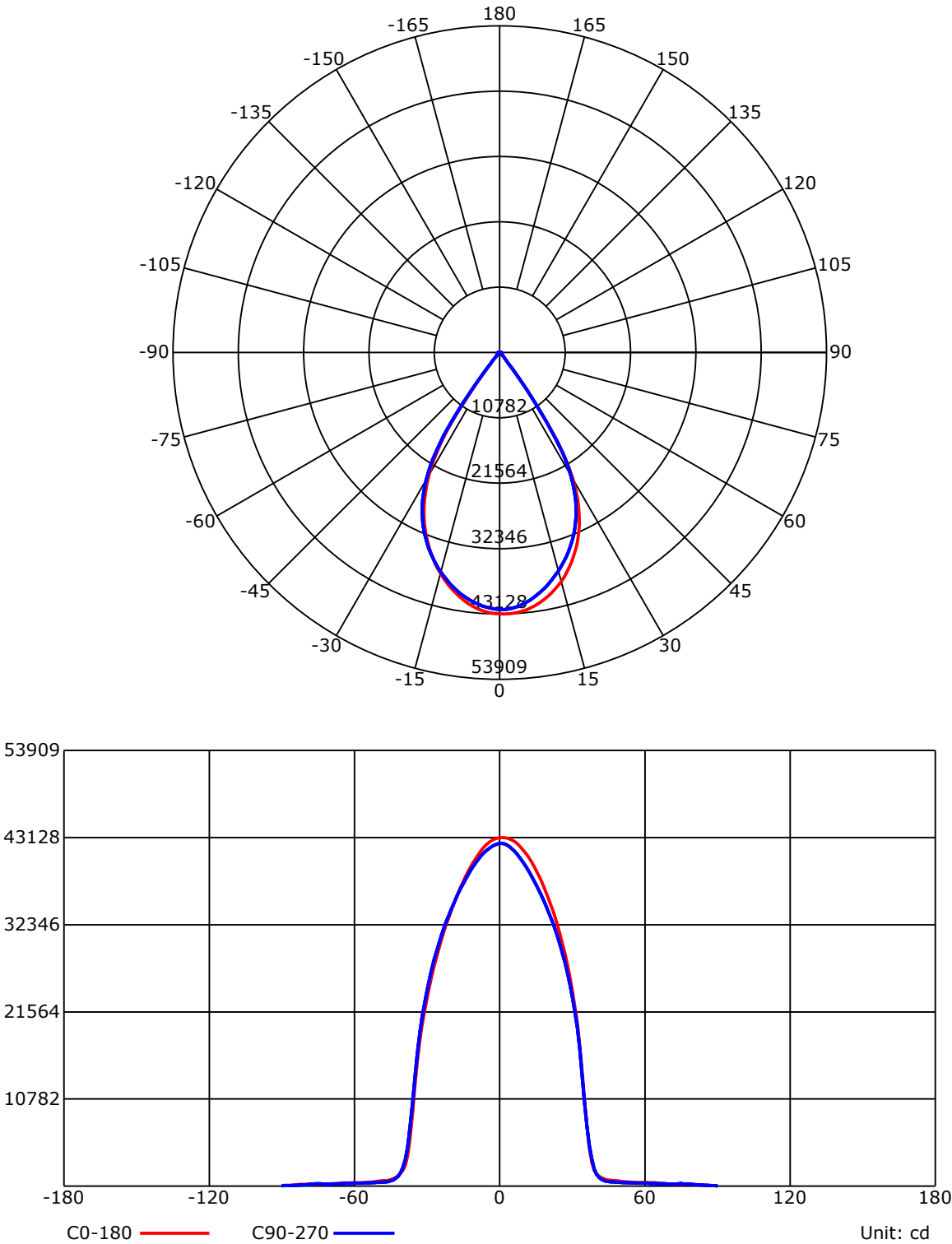
Beam Angle(50%) C0-180,C90-270: 62.5 deg,63.1 deg

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 16:20:27

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

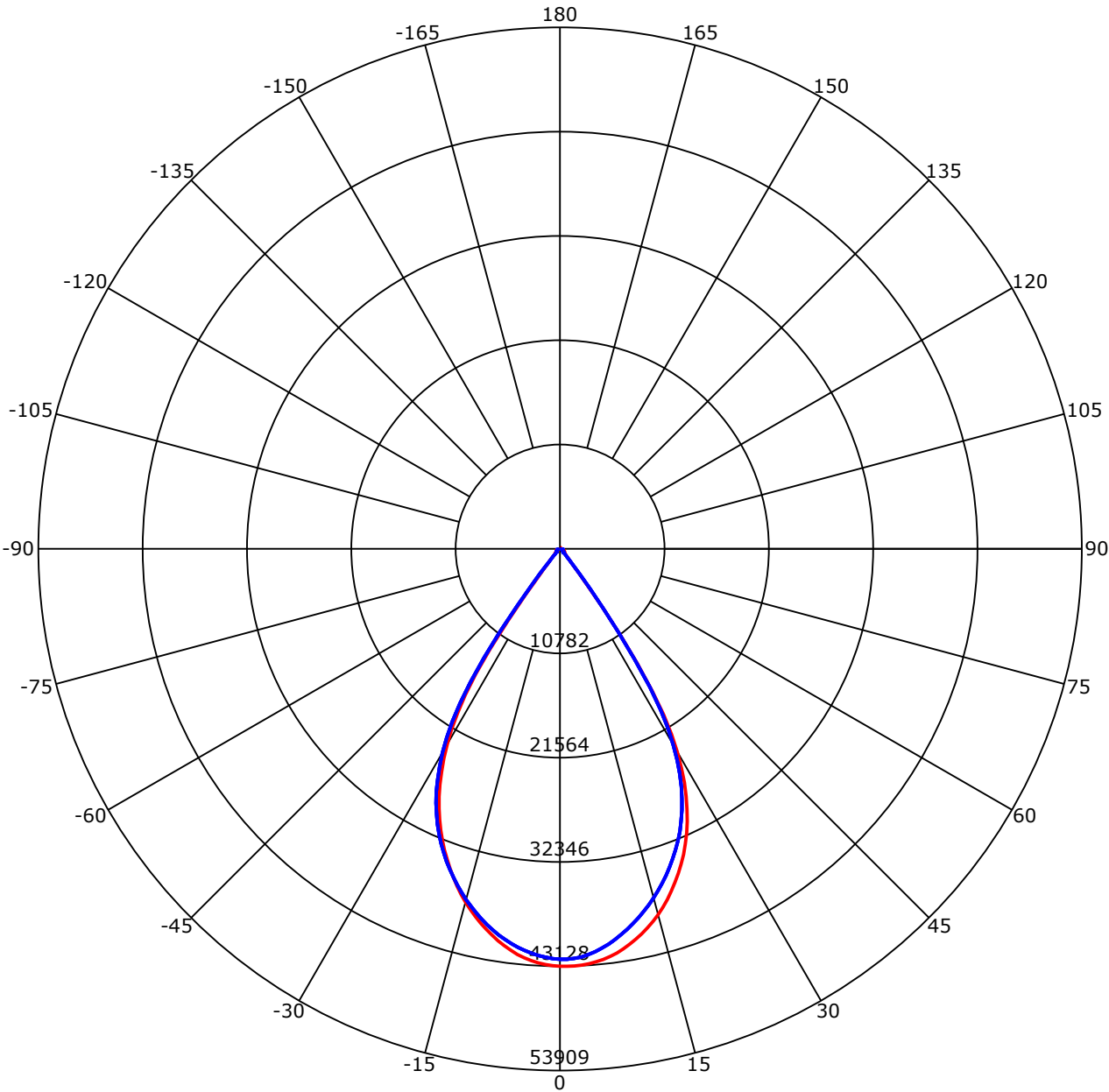
Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/25 16:20:27

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

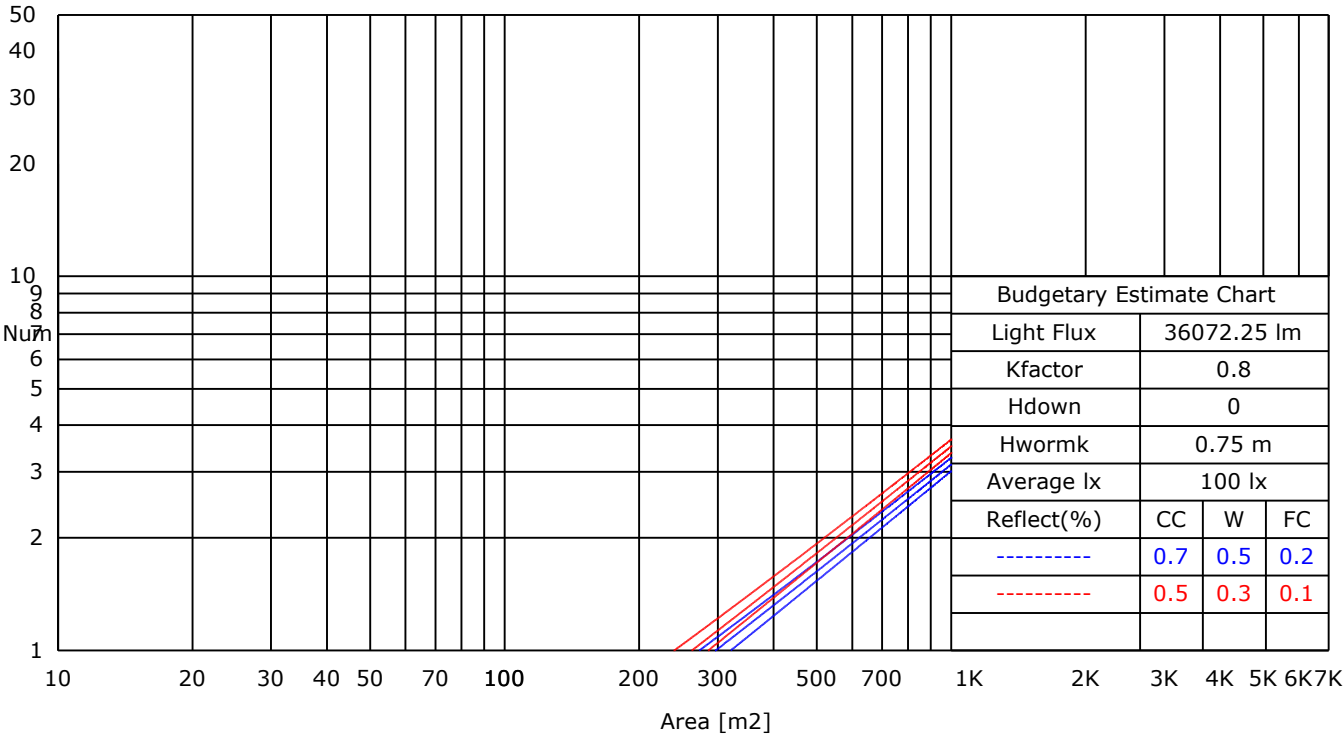


C0-180 — C90-270
Unit: cd/klm

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	0.98	0.97	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	0.92	0.90	0.89	0.90	0.87	0.85	0.86	0.83	0.80	0.82	0.78	0.76	0.71
5	0.88	0.86	0.85	0.87	0.85	0.83	0.84	0.82	0.79	0.81	0.78	0.75	0.78	0.74	0.71	0.67
6	0.83	0.81	0.80	0.82	0.80	0.78	0.80	0.77	0.74	0.77	0.73	0.71	0.74	0.70	0.66	0.63
7	0.78	0.76	0.75	0.77	0.75	0.73	0.75	0.72	0.70	0.73	0.69	0.66	0.70	0.66	0.63	0.59
8	0.73	0.72	0.71	0.73	0.70	0.69	0.71	0.68	0.66	0.69	0.65	0.62	0.67	0.62	0.59	0.56
9	0.69	0.68	0.67	0.69	0.66	0.65	0.67	0.64	0.62	0.66	0.62	0.59	0.64	0.59	0.56	0.52
10	0.65	0.64	0.63	0.65	0.63	0.62	0.64	0.61	0.59	0.62	0.58	0.56	0.61	0.56	0.53	0.49

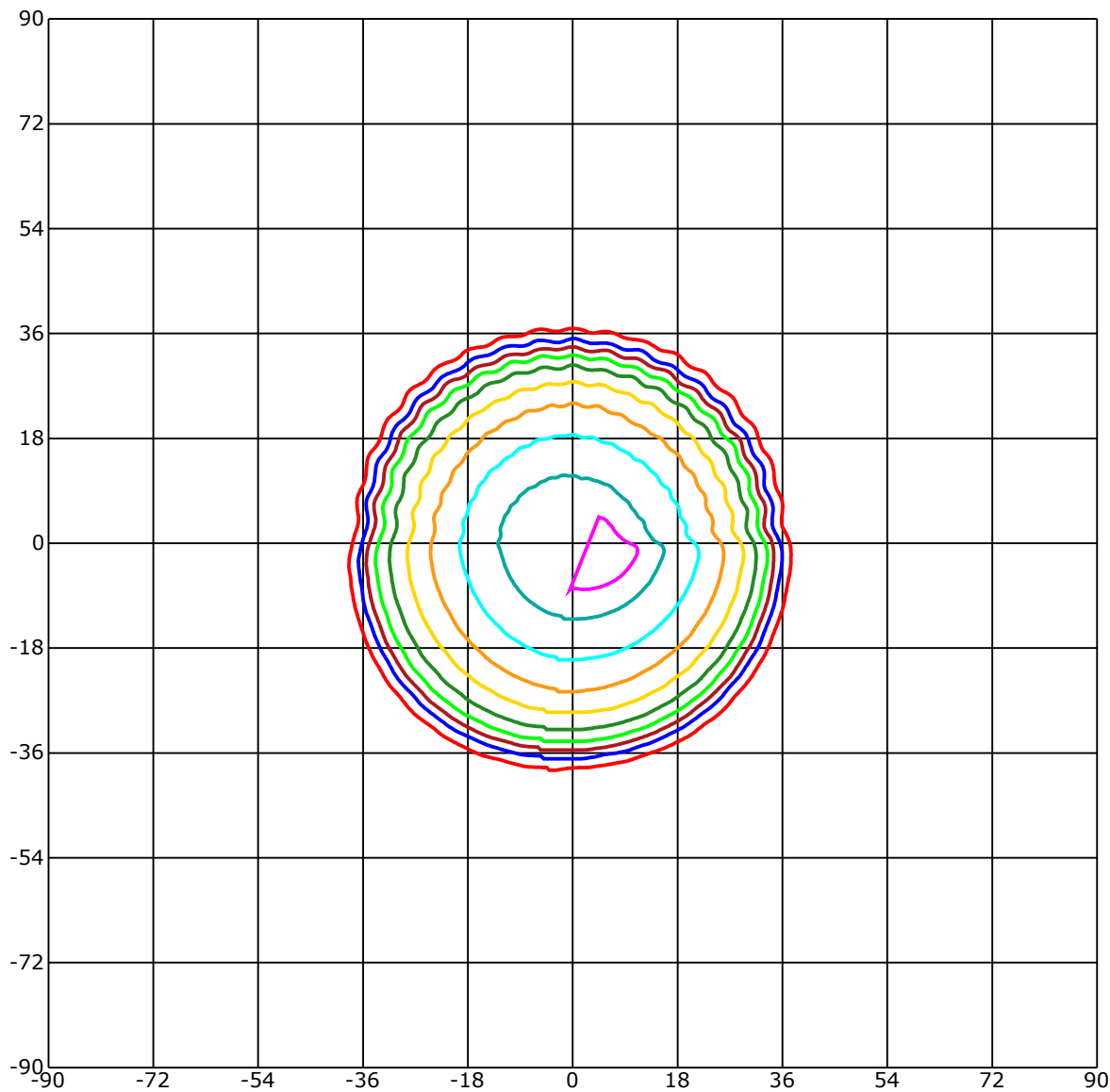
LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/25 16:20:27

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)



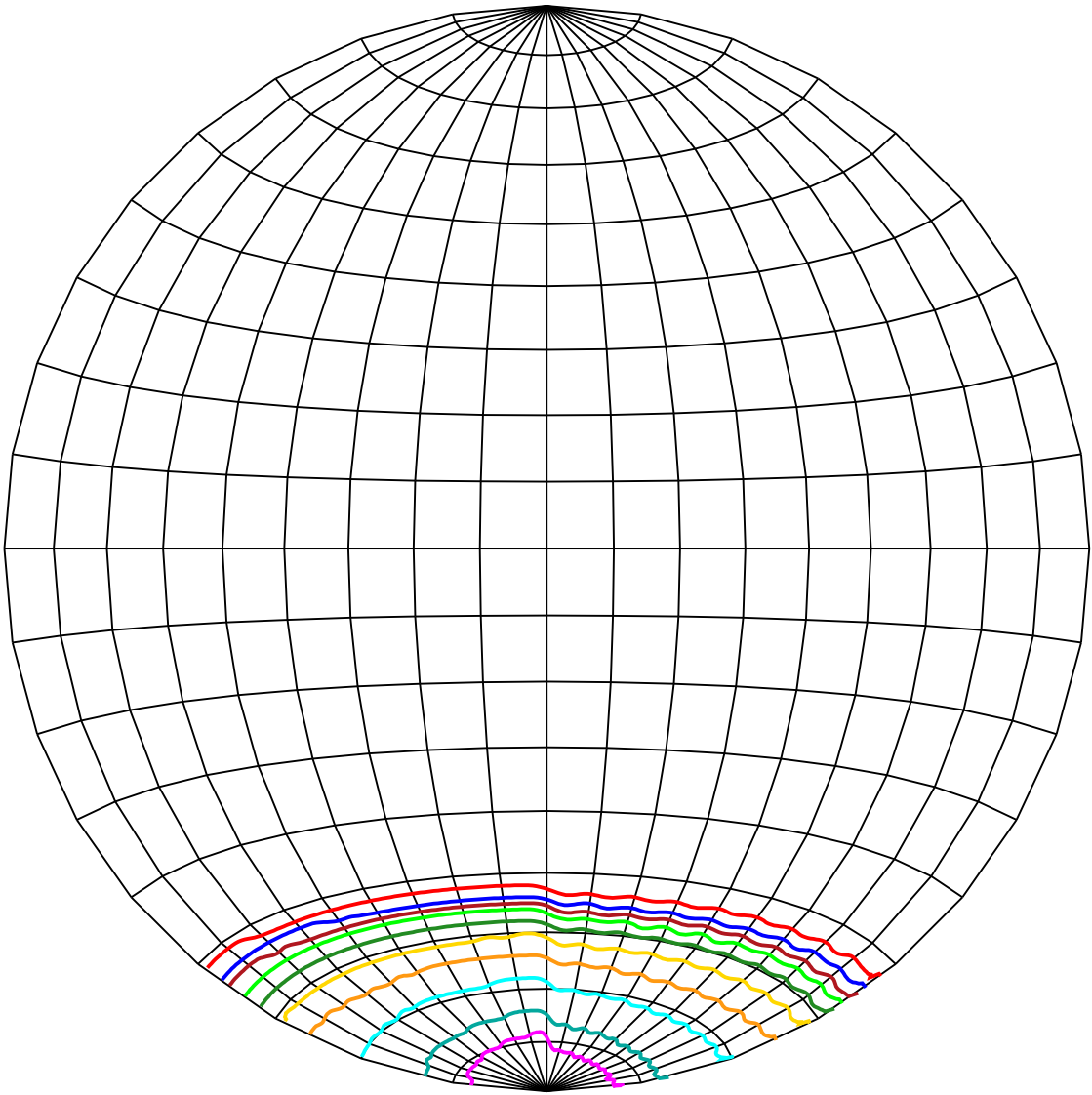
Unit of intensity:cd Imax(100%): 43127.57 cd

- | | |
|-------------------|-------------------|
| 40971.19(95%Imax) | 21563.79(50%Imax) |
| 38814.81(90%Imax) | 17251.03(40%Imax) |
| 34502.06(80%Imax) | 12938.27(30%Imax) |
| 30189.3(70%Imax) | 8625.515(20%Imax) |
| 25876.54(60%Imax) | 4312.757(10%Imax) |

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/25 16:20:27

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

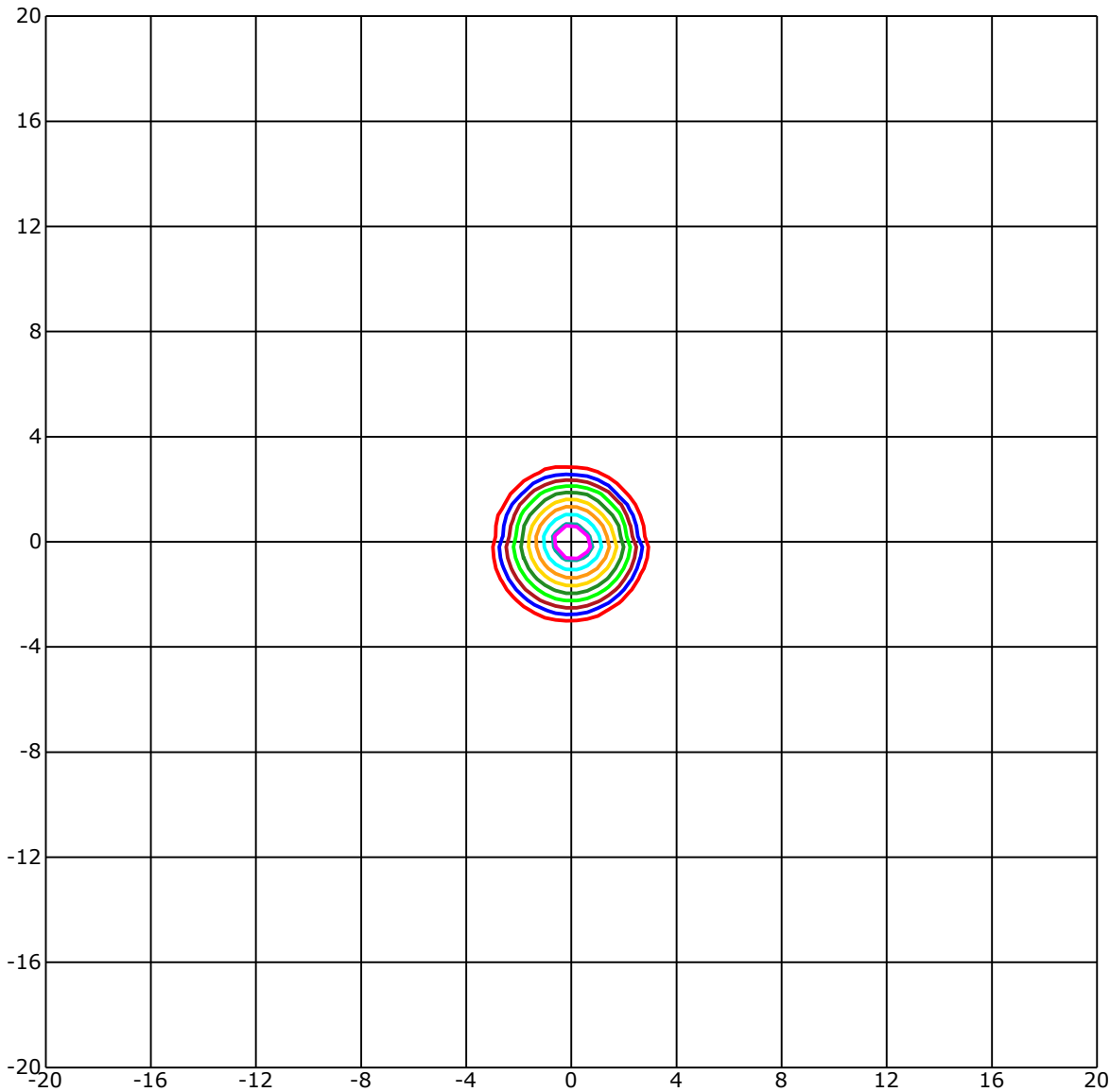
ISOCANDELA DIAGRAM (SPHERE)



Unit of intensity:cd I_{max}(100%): 43127.57 cd

40971.19(95%I _{max})	21563.79(50%I _{max})
38814.81(90%I _{max})	17251.03(40%I _{max})
34502.06(80%I _{max})	12938.27(30%I _{max})
30189.3(70%I _{max})	8625.515(20%I _{max})
25876.54(60%I _{max})	4312.757(10%I _{max})

ISOLX DIAGRAM



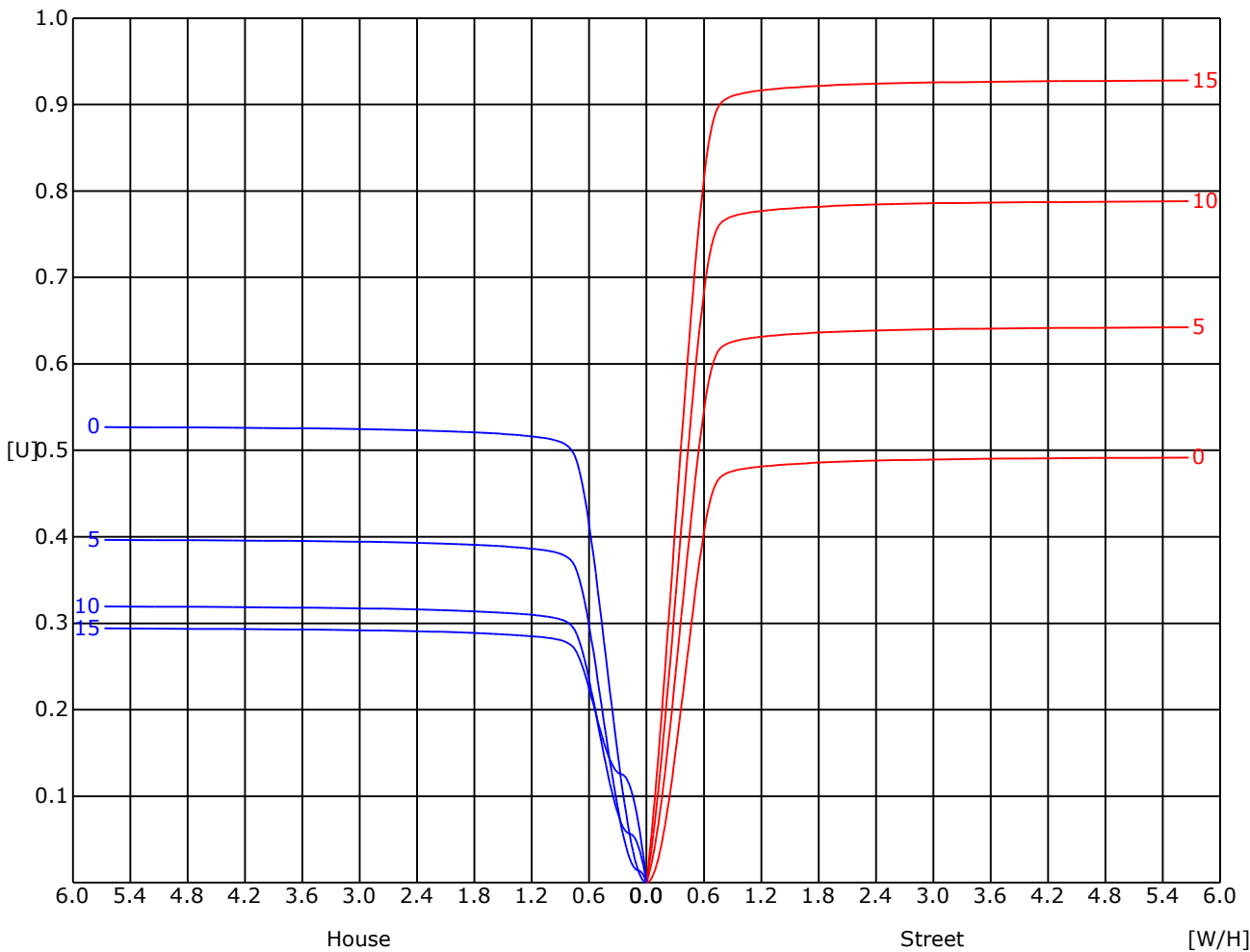
Unit of illumination:lx Height of plane:4.0(m)/13.12(ft)

2479.286(92%Emax)	1347.438(50%Emax)
2425.388(90%Emax)	1077.95(40%Emax)
2155.901(80%Emax)	808.463(30%Emax)
1886.413(70%Emax)	538.975(20%Emax)
1616.926(60%Emax)	269.488(10%Emax)

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/25 16:20:27

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

UTILIZATION FACTOR DIAGRAM (ROAD)

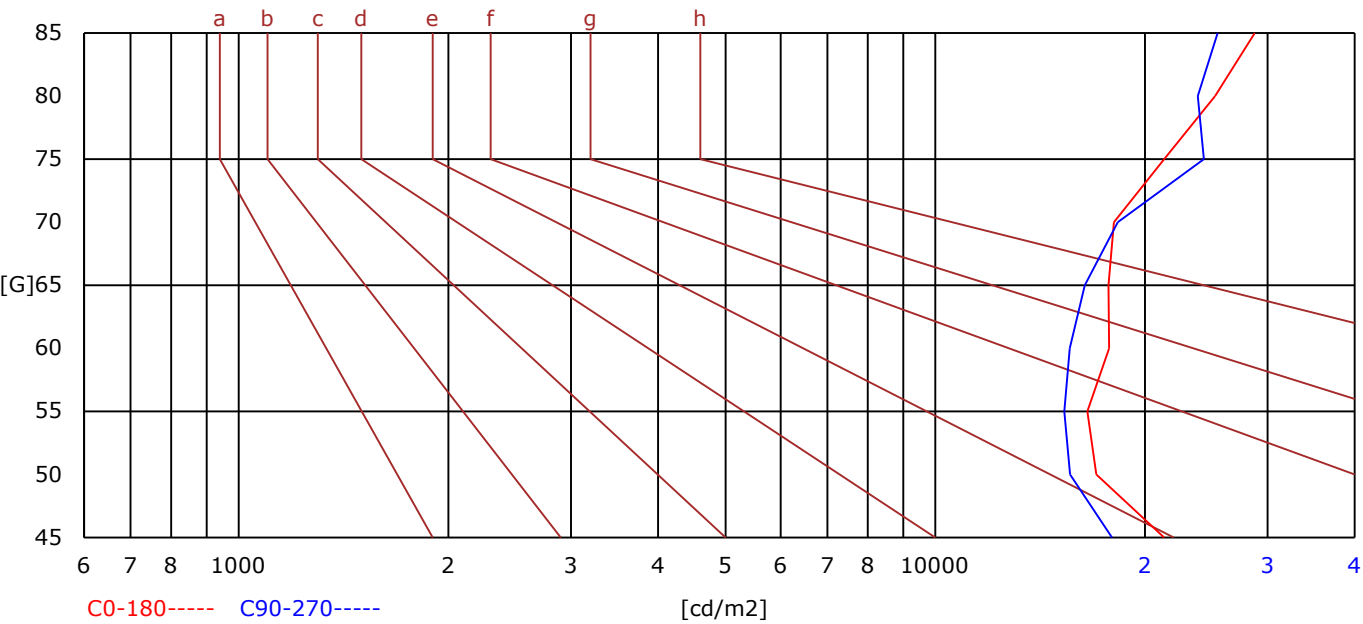


C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/25 16:20:27

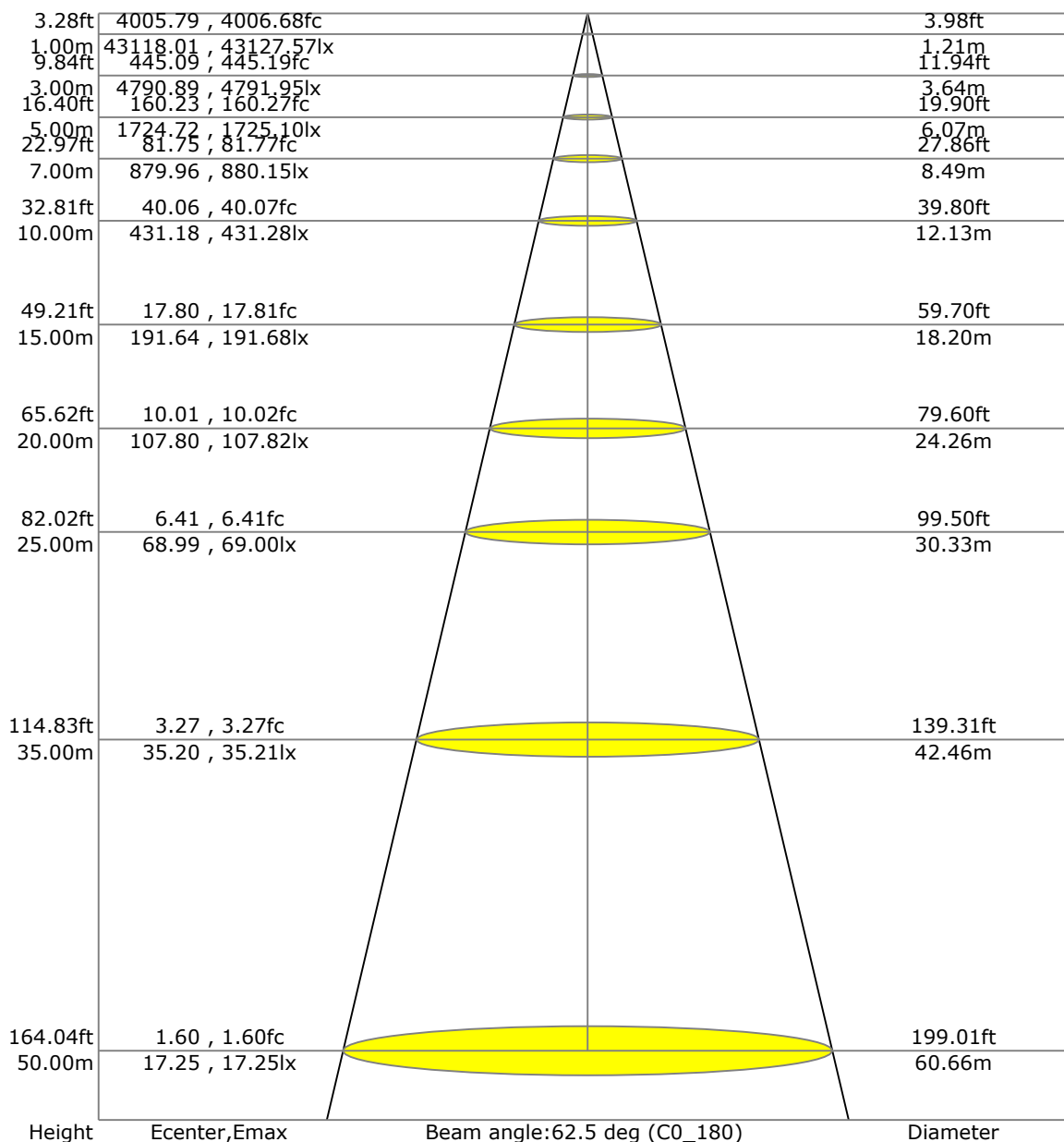
G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 1
Test Distance: 7.061 m
Remarks:

BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	21304	17019	16535	17762	17721	18056	21313	25208	28754
C90	17936	15612	15324	15600	16392	18269	24289	23814	25418
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



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 16:20:27

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

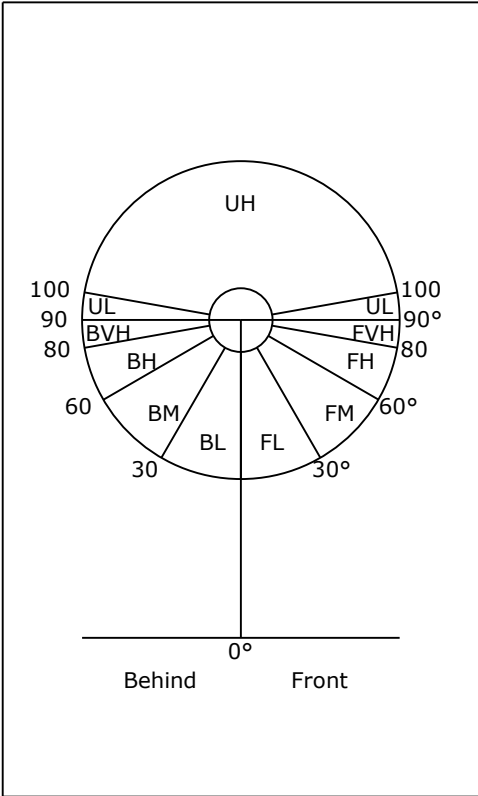
Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	17270.5	47.9
FL (0°-30°)	13645.8	37.8
FM (30°-60°)	3351.7	9.3
FH (60°-80°)	217.2	0.6
FVH (80°-90°)	55.8	0.2

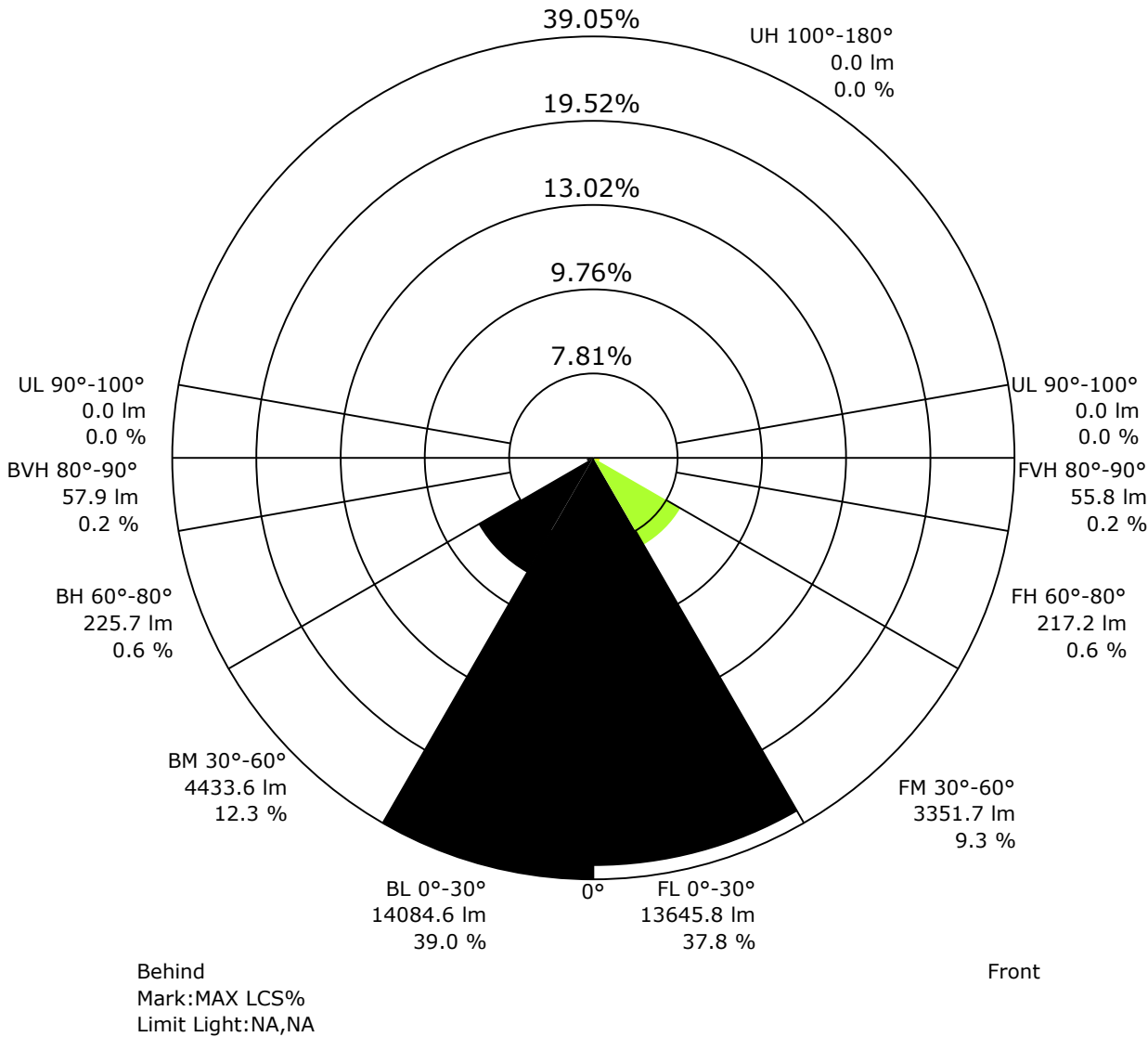
Behind	18801.7	52.1
BL (0°-30°)	14084.6	39.0
BM (30°-60°)	4433.6	12.3
BH (60°-80°)	225.7	0.6
BVH (80°-90°)	57.9	0.2

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	22.44	22.74	22.65	23.12	23.58	22.52	22.81	22.72	23.19	23.65
3H	22.20	22.48	22.44	22.87	23.35	22.27	22.55	22.51	22.94	23.42
4H	22.08	22.34	22.33	22.74	23.23	22.15	22.41	22.40	22.81	23.30
6H	21.95	22.20	22.22	22.60	23.11	22.02	22.27	22.29	22.67	23.18
8H	21.88	22.12	22.16	22.53	23.04	21.95	22.20	22.23	22.60	23.12
12H	21.82	22.05	22.10	22.46	22.98	21.89	22.12	22.18	22.53	23.05
4H 2H	22.34	22.60	22.59	23.00	23.49	22.38	22.64	22.63	23.04	23.53
3H	22.13	22.36	22.42	22.77	23.29	22.17	22.40	22.46	22.81	23.33
4H	22.01	22.23	22.32	22.65	23.18	22.06	22.28	22.37	22.69	23.23
6H	21.90	22.09	22.22	22.51	23.07	21.94	22.14	22.27	22.56	23.11
8H	21.83	22.02	22.17	22.44	23.00	21.88	22.06	22.22	22.49	23.05
12H	21.77	21.94	22.12	22.37	22.94	21.81	21.99	22.16	22.41	22.98
8H 4H	22.40	22.64	22.68	23.05	23.56	22.42	22.66	22.69	23.07	23.58
6H	22.12	22.28	22.48	22.71	23.29	22.12	22.28	22.48	22.71	23.29
8H	22.08	22.22	22.45	22.65	23.25	22.08	22.22	22.45	22.65	23.25
12H	22.03	22.16	22.41	22.59	23.19	22.03	22.16	22.42	22.59	23.20
12H 4H	22.27	22.45	22.62	22.87	23.44	22.26	22.44	22.61	22.86	23.43
6H	22.24	22.39	22.62	22.82	23.41	22.22	22.37	22.59	22.80	23.39

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
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	41472.1	39897.4	40395.4	39767.4	40275.8	39602.1	40138.9	39443.5	10	3940.1	3940.1	10.9	10.9
20	35698.5	33510.4	34472.4	33247.0	34170.7	32937.5	33873.4	32657.0	20	10471.9	14412.0	40.0	40.0
30	24187.8	20248.0	22774.6	20051.4	22605.3	19881.8	22442.4	19771.6	30	13318.3	27730.4	76.9	76.9
40	1507.4	1039.9	1299.0	999.4	1264.5	976.2	1252.7	958.0	40	6872.7	34603.0	95.9	95.9
50	607.9	415.9	398.9	359.3	392.3	364.7	400.1	365.4	50	606.4	35209.4	97.6	97.6
60	456.0	337.6	287.7	277.0	284.5	278.5	289.0	273.9	60	306.3	35515.7	98.5	98.5
70	274.9	234.8	218.4	201.7	206.9	208.4	215.8	199.5	70	252.2	35767.9	99.2	99.2
80	228.4	166.4	141.1	136.3	133.3	127.7	132.3	128.8	80	190.7	35958.6	99.7	99.7
90	52.4	70.9	0.0	97.9	0.0	64.8	0.0	76.6	90	113.6	36072.2	100.0	100.0

Conical surface Flux(90deg) : 34999.6 lm

%lum = 97.0%

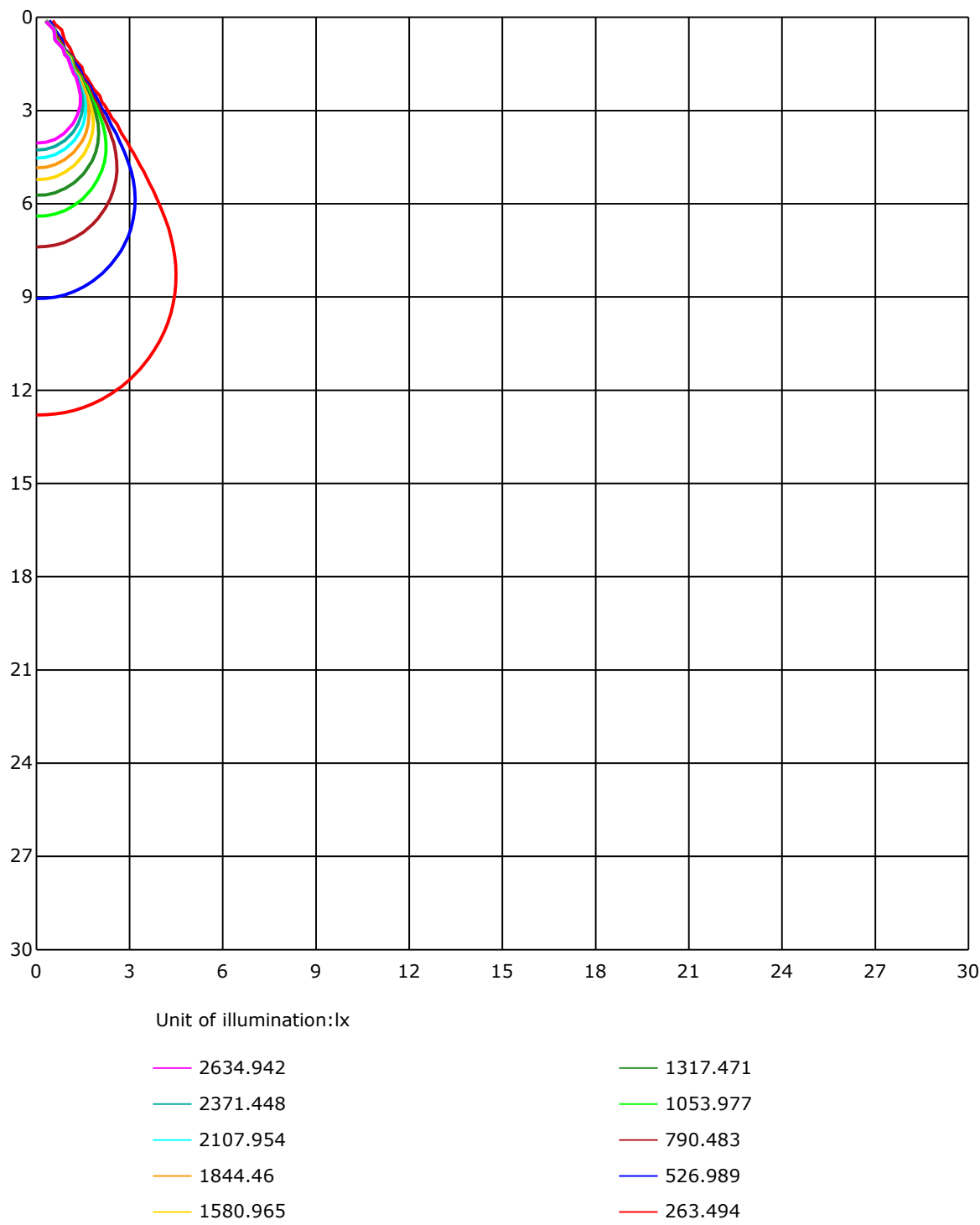
%lamp = 97.0%

Conical surface Flux(120deg) : 35515.7 lm

%lum = 98.5%

%lamp = 98.5%

SPACE ISOLX DIAGRAM



LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C5	C10	C15	C20	C25	C30	C35	C40	C45
G0	43118.01	42159.5	42150.59	42176.58	42156.79	42192.9	42173.8	42212.86	42210.38	42240.65
G1	43127.57	42146.84	42176.29	42159.28	42185.73	42164.77	42201.94	42165.59	42233.71	42171.37
G2	43120.21	42096.07	42170.56	42093.81	42173.4	42074.59	42180.86	42065.05	42194.82	42063.19
G3	43059.2	41988.58	42131.89	41971.4	42123.85	41955.99	42110.71	41916.4	42112.28	41895.63
G4	42982.57	41824.21	42039.81	41797.8	42010.23	41762.21	41985.86	41714.81	41962.71	41673.95
G5	42835.95	41614.44	41881.91	41575.49	41851.76	41519.0	41813.62	41453.65	41773.96	41399.76
G6	42663.42	41349.47	41686.68	41299.75	41633.71	41229.54	41570.45	41144.1	41522.59	41070.88
G7	42430.21	41046.69	41433.69	40975.39	41367.18	40879.82	41292.57	40782.7	41223.0	40700.27
G8	42161.07	40701.09	41122.68	40613.39	41041.94	40502.27	40951.94	40368.74	40860.66	40280.07
G9	41837.91	40306.75	40782.41	40205.68	40679.67	40066.02	40569.05	39924.8	40462.45	39822.17
G10	41472.12	39897.36	40395.42	39767.42	40275.83	39602.05	40138.89	39443.46	40022.38	39331.12
G11	41082.75	39434.95	39983.07	39298.64	39836.7	39108.45	39679.96	38931.45	39546.08	38806.02
G12	40647.72	38933.59	39526.34	38782.34	39367.52	38582.72	39184.85	38385.11	39041.88	38247.64
G13	40182.01	38396.33	39046.22	38237.52	38863.15	38003.96	38658.54	37809.32	38502.43	37654.54
G14	39678.33	37818.11	38511.41	37634.29	38307.84	37393.5	38094.03	37190.63	37927.92	37031.05
G15	39133.46	37194.1	37943.02	37001.35	37717.57	36746.28	37493.35	36537.61	37315.71	36377.35
G16	38539.48	36539.99	37316.63	36326.23	37083.32	36049.51	36843.74	35844.27	36665.01	35678.09
G17	37879.18	35845.37	36671.15	35616.74	36412.25	35331.1	36176.27	35111.73	35988.28	34947.23
G18	37195.02	35110.28	35974.04	34868.22	35695.8	34569.09	35454.04	34335.61	35251.56	34180.25
G19	36456.52	34326.57	35245.02	34076.76	34951.34	33763.39	34689.43	33515.96	34493.1	33368.59
G20	35698.53	33510.35	34472.44	33246.98	34170.7	32937.5	33873.42	32656.95	33681.5	32519.43
G21	34906.54	32619.45	33658.52	32354.82	33353.25	32039.08	33064.2	31770.16	32849.75	31619.27
G22	34050.89	31666.85	32785.16	31412.86	32485.56	31112.87	32181.12	30847.08	31963.66	30697.4
G23	33138.93	30635.82	31849.81	30388.55	31567.7	30106.44	31267.59	29855.18	31045.67	29703.36
G24	32140.66	29530.99	30847.43	29295.02	30577.47	29033.16	30293.28	28794.29	30071.54	28658.03
G25	31078.78	28333.27	29796.62	28110.02	29530.88	27863.11	29267.7	27652.54	29065.69	27532.66
G26	29928.75	27048.44	28623.14	26847.19	28381.89	26614.86	28133.75	26418.52	27963.35	26344.89
G27	28687.55	25612.12	27376.26	25433.1	27158.29	25230.93	26920.35	25045.47	26778.76	24991.82
G28	27349.59	24064.46	26000.1	23891.62	25806.08	23719.6	25581.86	23539.54	25455.51	23509.79
G29	25849.32	22293.43	24483.34	22111.33	24312.64	21949.1	24117.59	21789.4	24002.53	21777.3
G30	24187.79	20248.04	22774.59	20051.36	22605.34	19881.77	22442.35	19771.57	22332.55	19762.25
G31	22349.63	17652.09	20836.86	17408.18	20649.61	17246.98	20511.16	17168.21	20409.41	17220.47
G32	20206.48	14582.27	18416.35	14296.06	18218.63	14133.3	18084.41	14050.12	18054.01	14097.41
G33	17491.06	11176.23	15432.65	10903.9	15237.89	10694.49	15100.6	10607.21	15090.29	10664.62
G34	14286.04	7996.9	12078.42	7760.7	11837.28	7612.0	11684.02	7560.54	11667.46	7688.98
G35	10846.72	5114.28	8773.6	5048.35	8572.82	5031.85	8429.97	5102.53	8435.7	5241.44
G36	7579.64	3111.84	5885.3	3080.47	5820.59	3146.74	5809.42	3256.25	5876.8	3381.04

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/25 16:20:27

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	4762.88	1984.67	3600.35	1960.59	3611.98	2001.28	3692.21	2079.82	3816.13	2177.12
G38	2895.77	1508.78	2224.24	1461.6	2256.42	1457.72	2330.39	1487.76	2436.2	1534.36
G39	1928.47	1241.6	1604.74	1207.51	1583.27	1170.81	1618.98	1159.58	1669.22	1164.5
G40	1507.39	1039.88	1299.02	999.43	1264.46	976.21	1252.71	958.04	1260.93	944.44
G41	1253.58	874.63	1079.71	829.14	1051.69	818.2	1023.04	801.47	1020.61	788.97
G42	1051.4	754.47	902.24	703.37	876.08	697.11	864.62	691.21	853.1	694.74
G43	911.22	670.84	758.7	612.84	737.52	612.44	734.97	609.77	732.6	619.32
G44	801.59	619.44	657.06	552.99	639.93	552.64	641.09	552.99	647.4	563.7
G45	755.69	572.67	585.75	505.41	573.54	508.83	575.51	507.96	592.64	520.52
G46	719.8	537.71	534.47	465.19	524.63	471.84	526.19	470.69	536.38	482.96
G47	697.75	516.76	491.87	430.81	483.01	436.3	484.58	436.77	496.38	455.06
G48	681.66	482.09	454.13	402.33	447.42	405.97	448.0	407.07	461.37	417.09
G49	651.45	447.48	421.26	376.98	416.51	381.55	416.97	384.62	429.71	390.58
G50	607.92	415.87	398.91	359.32	392.26	364.71	400.13	365.4	404.35	372.17
G51	568.74	398.97	367.89	346.76	371.42	351.51	374.08	350.06	374.78	357.64
G52	540.03	384.67	350.47	336.63	355.1	340.05	358.45	338.43	365.28	346.88
G53	516.7	375.01	337.1	319.73	348.96	335.01	345.32	328.07	341.03	337.27
G54	499.92	367.08	326.5	309.31	337.85	320.14	335.3	319.27	330.61	329.4
G55	488.45	360.54	318.86	302.14	319.73	316.26	326.33	308.39	329.92	321.64
G56	479.48	355.62	300.11	297.45	309.26	306.88	317.71	300.98	320.02	309.89
G57	472.83	351.05	304.28	292.47	301.62	300.52	306.65	293.45	315.62	301.15
G58	466.81	347.86	289.63	288.13	295.83	293.51	297.33	286.57	299.24	291.43
G59	461.95	343.29	293.11	282.69	289.81	286.1	288.88	279.68	290.16	280.95
G60	455.98	337.62	287.72	277.02	284.48	278.52	289.0	273.95	282.34	272.27
G61	449.56	330.79	282.11	270.71	278.52	272.27	275.16	268.39	275.11	272.15
G62	441.63	315.74	275.45	262.14	271.4	264.63	268.62	262.26	268.22	256.41
G63	431.33	313.42	269.32	257.28	263.47	258.03	261.97	255.83	261.45	248.77
G64	417.2	297.91	271.11	250.28	255.2	251.67	255.43	247.96	254.85	248.42
G65	396.19	284.71	262.37	242.87	246.63	245.18	252.94	241.36	247.67	238.35
G66	373.74	273.02	252.13	235.17	238.87	238.64	244.08	233.61	239.92	225.73
G67	347.23	262.72	241.77	226.31	231.12	231.52	230.42	225.1	231.46	219.43
G68	319.5	251.38	234.24	218.09	222.96	223.3	220.87	224.11	223.01	200.85
G69	293.11	241.77	226.89	209.76	215.08	216.82	224.17	208.49	213.81	202.81
G70	274.88	234.76	218.44	201.71	206.92	208.37	215.78	199.51	203.74	194.13
G71	261.16	228.17	211.44	194.71	199.57	188.29	206.29	193.78	195.0	185.8
G72	250.39	221.16	204.72	178.68	191.99	191.41	197.84	193.38	185.62	176.13
G73	238.58	215.43	196.68	181.46	175.26	182.61	188.4	183.08	177.52	167.68

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/25 16:20:27

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

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	42243.96	42271.56	42275.73	42295.18	42324.75	42327.88	42366.89	42374.01	42408.04	42430.45
G1	42254.72	42185.03	42295.87	42208.99	42325.68	42238.34	42370.71	42287.77	42415.29	42328.98
G2	42211.25	42059.55	42228.39	42069.39	42257.61	42088.84	42294.59	42125.18	42347.85	42183.98
G3	42104.46	41875.08	42112.97	41878.21	42132.36	41879.65	42154.53	41906.74	42220.05	41965.2
G4	41942.46	41638.59	41931.8	41613.58	41948.88	41619.59	41972.33	41649.23	42012.9	41696.29
G5	41736.97	41347.61	41710.53	41317.28	41709.07	41313.8	41724.54	41342.24	41765.68	41391.48
G6	41462.39	41011.96	41430.68	40981.17	41409.32	40957.73	41431.32	40991.07	41467.14	41043.86
G7	41154.93	40634.58	41108.16	40603.38	41088.54	40581.91	41095.02	40608.54	41135.42	40668.68
G8	40786.17	40224.5	40734.25	40187.69	40715.32	40167.95	40723.95	40193.93	40756.77	40259.92
G9	40386.11	39760.18	40329.55	39731.47	40314.97	39716.71	40327.24	39746.93	40352.64	39811.41
G10	39934.92	39271.26	39880.23	39244.7	39868.82	39248.05	39880.0	39274.22	39921.78	39344.02
G11	39456.43	38739.57	39415.62	38722.78	39402.77	38728.0	39414.8	38777.37	39461.0	38841.85
G12	38938.04	38179.75	38899.9	38165.1	38892.38	38177.66	38912.11	38217.32	38958.82	38310.16
G13	38388.29	37579.23	38349.57	37575.36	38341.41	37605.52	38381.93	37671.39	38444.91	37757.62
G14	37801.91	36949.79	37765.66	36950.77	37766.82	37010.33	37815.1	37088.87	37893.18	37179.34
G15	37183.96	36286.65	37138.13	36301.41	37168.17	36383.71	37236.12	36479.68	37317.39	36576.0
G16	36520.66	35587.62	36485.69	35617.49	36531.71	35732.32	36624.32	35841.38	36727.82	35945.96
G17	35846.87	34873.67	35818.8	34903.65	35885.01	35051.65	35994.52	35183.09	36104.15	35289.2
G18	35126.6	34124.23	35103.68	34174.18	35192.01	34333.05	35324.21	34493.8	35446.16	34599.43
G19	34366.05	33321.13	34359.34	33403.04	34481.06	33586.69	34645.33	33779.78	34775.86	33863.42
G20	33576.5	32507.56	33593.8	32596.81	33723.75	32809.59	33920.66	33015.41	34049.91	33094.71
G21	32749.04	31625.58	32791.05	31735.32	32935.94	31977.89	33165.55	32189.62	33305.91	32273.38
G22	31883.78	30714.77	31939.99	30853.8	32120.22	31100.95	32359.67	31334.84	32508.14	31403.43
G23	30972.97	29741.22	31053.31	29897.73	31246.75	30155.06	31508.2	30398.28	31663.77	30465.71
G24	30010.13	28709.5	30114.83	28890.6	30325.23	29151.24	30596.05	29392.25	30753.6	29470.63
G25	29012.49	27591.87	29127.5	27785.2	29351.33	28056.13	29627.48	28305.89	29788.79	28389.35
G26	27908.31	26402.49	28042.19	26623.93	28295.42	26889.55	28566.01	27140.12	28731.37	27226.47
G27	26743.29	25072.28	26888.11	25286.49	27138.85	25560.67	27423.09	25820.73	27576.94	25936.72
G28	25455.67	23616.41	25607.72	23850.35	25854.99	24145.14	26135.59	24409.25	26315.08	24561.94
G29	24031.58	21923.8	24203.25	22174.3	24469.74	22479.8	24748.95	22782.0	24952.92	22965.13
G30	22402.18	19951.52	22594.41	20230.21	22885.48	20608.58	23171.88	20949.61	23401.03	21216.44
G31	20487.84	17423.0	20733.42	17785.5	21054.32	18225.28	21392.28	18691.56	21693.32	19054.42
G32	18153.28	14319.21	18452.0	14687.79	18833.78	15254.09	19257.41	15834.98	19615.28	16398.57
G33	15219.54	10845.15	15549.46	11227.28	16008.51	11726.15	16561.91	12377.19	17062.35	13012.55
G34	11782.19	7923.45	12065.8	8278.32	12512.0	8729.1	13094.92	9256.85	13745.38	9810.07
G35	8603.9	5481.65	8920.45	5775.1	9353.8	6177.37	9862.57	6577.33	10418.52	6953.78
G36	6081.69	3579.17	6362.07	3796.16	6735.86	4080.7	7159.03	4368.08	7575.19	4675.25

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/25 16:20:27

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	42479.53	42491.92	42535.38	42556.28	42604.38	42618.73	42682.29	42685.35	42761.06	42764.65
G1	42464.02	42400.17	42535.55	42470.67	42597.61	42540.42	42674.76	42603.8	42742.3	42679.74
G2	42409.32	42248.23	42465.8	42318.33	42545.69	42391.89	42609.47	42466.34	42679.86	42535.67
G3	42276.66	42045.49	42334.31	42110.48	42404.63	42190.25	42481.84	42263.0	42548.93	42343.16
G4	42084.55	41772.98	42153.6	41851.35	42224.85	41937.65	42294.88	42020.66	42377.37	42091.55
G5	41832.37	41467.6	41907.78	41544.99	41981.35	41635.16	42063.36	41709.6	42145.09	41796.2
G6	41541.86	41128.02	41611.84	41202.62	41705.72	41291.41	41782.64	41370.14	41859.8	41457.13
G7	41207.14	40752.02	41285.04	40833.41	41369.03	40912.76	41452.09	40987.72	41529.36	41062.09
G8	40835.37	40344.31	40910.9	40415.21	41008.02	40497.11	41078.35	40557.25	41154.88	40629.43
G9	40451.21	39907.6	40511.81	39967.04	40592.85	40038.12	40664.86	40097.8	40737.84	40154.86
G10	40010.17	39427.66	40084.84	39498.39	40157.13	39535.54	40218.6	39589.09	40279.14	39640.32
G11	39550.54	38929.47	39620.75	38990.66	39685.87	39019.77	39731.47	39048.42	39781.19	39099.64
G12	39053.29	38395.48	39131.6	38438.59	39176.22	38456.19	39204.0	38478.59	39248.17	38541.33
G13	38535.42	37830.62	38612.7	37850.94	38633.54	37864.59	38656.46	37877.79	38689.96	37927.39
G14	37987.93	37228.08	38039.62	37241.96	38050.96	37231.44	38065.14	37256.67	38106.41	37287.29
G15	37406.7	36610.72	37449.99	36590.86	37440.9	36582.59	37450.75	36588.67	37475.11	36627.56
G16	36795.13	35958.41	36813.77	35914.25	36790.09	35899.48	36792.06	35901.98	36816.78	35939.25
G17	36174.07	35278.31	36164.98	35231.83	36127.82	35185.76	36115.66	35177.83	36150.0	35205.55
G18	35508.44	34572.97	35472.09	34501.44	35429.73	34460.39	35402.24	34424.4	35424.0	34438.18
G19	34824.36	33826.43	34760.74	33740.36	34704.89	33672.06	34664.26	33625.7	34663.44	33627.67
G20	34092.45	33048.98	34021.02	32952.32	33944.33	32866.66	33887.55	32807.1	33883.04	32803.15
G21	33335.09	32212.31	33249.47	32101.24	33161.44	32013.6	33088.22	31936.85	33052.45	31931.13
G22	32519.2	31340.57	32429.48	31228.16	32328.42	31113.86	32236.92	31040.29	32197.03	31034.5
G23	31664.13	30404.35	31569.38	30293.28	31463.34	30176.13	31355.1	30094.51	31317.48	30093.71
G24	30753.72	29408.29	30648.84	29295.6	30530.88	29178.79	30426.7	29100.54	30379.64	29108.47
G25	29794.76	28332.28	29692.77	28222.88	29567.52	28122.47	29462.23	28047.97	29432.36	28048.9
G26	28739.53	27204.19	28648.09	27091.55	28514.15	26985.06	28423.21	26947.72	28389.47	26932.72
G27	27623.31	25939.9	27532.89	25848.05	27411.29	25763.31	27321.05	25727.6	27306.3	25708.9
G28	26380.84	24574.73	26312.48	24526.11	26203.9	24469.56	26138.61	24438.19	26116.44	24419.38
G29	25037.66	23044.42	24994.25	23032.56	24917.1	23016.53	24869.35	22985.62	24849.66	22962.64
G30	23547.01	21348.69	23537.68	21384.06	23498.44	21410.86	23466.48	21400.21	23446.18	21379.14
G31	21873.15	19280.62	21914.71	19416.93	21930.8	19508.15	21917.66	19536.97	21912.52	19544.21
G32	19904.92	16774.51	20037.17	17062.75	20113.24	17270.49	20145.42	17387.29	20175.46	17429.77
G33	17509.47	13591.82	17772.48	13999.71	17957.01	14377.84	18076.99	14622.28	18131.11	14752.9
G34	14386.7	10345.99	14816.93	10786.69	15193.09	11165.41	15473.29	11446.48	15609.08	11578.62
G35	11072.8	7354.55	11547.13	7719.72	11962.3	8038.41	12311.56	8234.85	12535.9	8306.91
G36	8047.32	4896.59	8460.24	5101.89	8831.49	5285.78	9120.77	5388.4	9276.76	5391.18

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/25 16:20:27

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	42832.48	42830.87	42917.57	42903.16	43018.16	42992.47	43118.01	42159.5	42150.59	42176.58
G1	42806.84	42733.68	42883.02	42809.16	42972.85	42895.12	43070.21	42139.77	42089.42	42159.15
G2	42743.29	42598.19	42807.65	42669.96	42898.99	42736.29	42976.44	42079.86	41995.36	42099.36
G3	42612.13	42419.16	42688.37	42475.19	42753.3	42542.56	42843.59	41966.13	41874.11	41995.36
G4	42446.65	42160.78	42512.88	42231.98	42572.48	42301.14	42652.3	41826.92	41710.06	41842.6
G5	42218.08	41864.89	42283.37	41929.49	42344.9	42000.52	42414.41	41622.83	41509.04	41644.89
G6	41943.68	41518.6	42003.93	41594.64	42078.14	41646.79	42127.96	41372.86	41246.15	41393.63
G7	41616.53	41131.83	41683.04	41208.12	41747.92	41256.85	41796.54	41077.83	40942.57	41087.03
G8	41233.13	40701.5	41288.51	40775.36	41371.69	40835.61	41406.31	40734.14	40609.92	40749.18
G9	40808.7	40232.31	40876.82	40304.95	40951.54	40371.17	40984.24	40338.64	40223.74	40351.55
G10	40349.17	39724.23	40423.55	39811.47	40499.73	39871.07	40533.87	39931.62	39811.58	39922.77
G11	39853.25	39182.76	39938.57	39277.63	40016.59	39343.5	40041.13	39463.01	39344.66	39446.36
G12	39327.24	38605.23	39413.53	38711.85	39496.3	38788.77	39520.61	38980.64	38861.24	38959.92
G13	38765.27	38004.95	38853.71	38112.55	38943.48	38194.75	38974.62	38450.75	38333.48	38440.1
G14	38163.84	37373.82	38264.89	37482.75	38358.25	37561.98	38394.26	37914.02	37766.95	37868.0
G15	37530.5	36701.59	37633.13	36814.57	37736.91	36885.59	37773.72	37322.14	37161.92	37271.6
G16	36870.77	35999.91	36965.41	36109.13	37075.73	36190.68	37110.75	36696.38	36517.82	36650.37
G17	36185.7	35261.35	36282.42	35372.95	36385.97	35456.52	36416.93	36035.97	35847.51	35980.39
G18	35455.82	34487.83	35556.48	34597.98	35656.1	34694.0	35683.82	35345.86	35148.89	35288.62
G19	34701.53	33694.4	34792.75	33806.23	34896.88	33898.78	34921.25	34618.0	34429.38	34549.3
G20	33898.84	32863.25	33984.73	32983.63	34106.57	33075.03	34132.62	33866.77	33677.28	33804.84
G21	33087.07	32000.94	33183.96	32111.71	33300.64	32195.01	33322.75	33098.76	32878.0	33022.01
G22	32230.6	31106.04	32329.18	31216.31	32440.76	31278.64	32467.74	32282.01	32062.57	32206.7
G23	31349.55	30163.33	31443.31	30245.64	31552.07	30298.37	31570.82	31437.93	31230.19	31357.94
G24	30418.36	29159.8	30507.04	29225.96	30594.37	29255.26	30598.71	30554.38	30320.14	30491.29
G25	29472.59	28086.41	29544.42	28122.24	29596.34	28128.67	29586.27	29593.62	29351.27	29552.07
G26	28411.7	26944.19	28472.36	26972.5	28511.08	26964.28	28490.99	28564.38	28327.43	28544.82
G27	27307.85	25687.49	27327.53	25702.71	27360.99	25682.86	27324.46	27484.04	27243.78	27491.92
G28	26107.12	24398.42	26110.31	24396.81	26113.08	24376.72	26088.54	26326.89	26099.83	26367.12
G29	24833.0	22950.83	24819.33	22920.16	24819.86	22886.41	24775.64	25098.43	24842.37	25168.99
G30	23424.07	21366.82	23401.21	21326.82	23389.45	21285.09	23343.67	23779.05	23518.59	23857.7
G31	21884.66	19522.74	21858.1	19462.77	21822.57	19420.05	21771.86	22364.44	22087.2	22488.6
G32	20151.66	17419.59	20110.74	17369.63	20070.22	17314.13	20006.44	20771.8	20496.0	20934.79
G33	18143.21	14779.77	18103.62	14744.97	18062.18	14750.88	18005.68	19037.58	18694.53	19239.75
G34	15664.41	11612.47	15638.08	11613.98	15613.25	11588.11	15565.73	16963.48	16617.13	17221.41
G35	12627.82	8275.49	12646.22	8147.63	12655.08	8114.81	12606.34	14522.19	14056.38	14852.69
G36	9319.94	5308.06	9271.55	5186.51	9225.89	5186.1	9165.0	11456.55	10967.92	11882.66

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/25 16:20:27

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	42156.79	42192.9	42173.8	42212.86	42210.38	42240.65	42243.96	42271.56	42275.73	42295.18
G1	42103.14	42187.57	42115.16	42195.86	42151.52	42239.44	42187.99	42272.2	42227.58	42306.11
G2	42006.18	42126.81	42027.89	42150.77	42055.73	42185.32	42073.5	42216.75	42131.21	42259.59
G3	41884.4	42017.58	41885.27	42038.54	41914.91	42078.14	41922.31	42112.21	41996.17	42150.48
G4	41701.67	41873.12	41713.88	41882.43	41728.23	41918.84	41729.28	41950.91	41815.17	41984.7
G5	41488.08	41662.84	41496.08	41685.0	41517.67	41708.61	41507.02	41736.8	41602.41	41759.67
G6	41241.29	41417.42	41237.46	41436.81	41250.61	41453.25	41244.64	41464.37	41340.09	41509.5
G7	40939.73	41109.38	40939.15	41125.99	40947.49	41142.71	40947.54	41164.6	41039.52	41195.04
G8	40587.12	40752.08	40583.3	40771.3	40599.21	40790.28	40607.9	40806.02	40696.46	40854.7
G9	40195.85	40351.14	40198.29	40359.48	40207.77	40384.43	40217.09	40418.8	40315.49	40465.23
G10	39769.62	39916.7	39761.98	39928.79	39774.02	39951.18	39802.5	39995.47	39898.51	40049.52
G11	39292.39	39434.95	39287.13	39434.48	39302.23	39475.69	39328.73	39525.01	39430.78	39587.12
G12	38798.84	38932.49	38768.28	38932.49	38789.58	38969.36	38829.34	39019.08	38924.79	39107.52
G13	38254.25	38389.33	38226.51	38381.58	38236.25	38409.07	38282.9	38477.83	38381.93	38576.63
G14	37698.94	37832.29	37660.55	37812.61	37665.94	37842.14	37713.17	37901.4	37810.19	38020.52
G15	37098.08	37218.12	37063.23	37194.74	37066.12	37221.41	37112.95	37285.5	37195.72	37417.63
G16	36472.28	36587.34	36410.34	36561.07	36419.18	36594.45	36450.22	36648.98	36567.77	36799.7
G17	35789.74	35911.29	35735.05	35883.45	35727.12	35915.23	35758.61	35985.43	35909.04	36146.0
G18	35070.0	35210.36	35021.09	35191.38	35018.43	35217.3	35054.07	35301.01	35216.38	35488.93
G19	34314.19	34469.54	34280.68	34446.68	34278.89	34471.28	34315.86	34580.67	34505.37	34787.43
G20	33547.32	33709.28	33497.04	33684.57	33503.63	33722.36	33568.0	33852.53	33767.04	34073.06
G21	32770.51	32914.0	32690.58	32889.98	32702.56	32938.54	32807.96	33091.46	33003.66	33321.42
G22	31952.65	32100.66	31868.96	32056.38	31882.79	32126.02	32005.45	32287.32	32221.34	32534.94
G23	31099.27	31259.31	31028.13	31219.08	31041.04	31282.52	31166.82	31468.13	31392.08	31710.78
G24	30226.14	30393.47	30154.48	30354.52	30177.23	30423.62	30277.88	30607.86	30525.44	30866.87
G25	29283.96	29483.18	29233.66	29443.01	29241.47	29506.51	29378.07	29705.97	29610.0	29969.73
G26	28293.39	28496.78	28269.14	28482.43	28289.63	28553.79	28418.87	28736.81	28633.78	28995.08
G27	27239.96	27486.3	27238.51	27493.83	27288.64	27568.37	27411.7	27744.22	27616.47	27989.11
G28	26112.79	26380.2	26164.07	26417.77	26211.31	26510.6	26339.16	26680.37	26546.14	26909.17
G29	24894.12	25216.63	24954.72	25283.83	25037.89	25375.16	25180.51	25540.36	25341.19	25743.98
G30	23593.82	23941.46	23665.2	24027.47	23774.42	24129.69	23919.0	24281.68	24044.19	24456.02
G31	22196.48	22594.06	22303.72	22698.88	22421.0	22802.72	22522.29	22944.18	22663.8	23084.08
G32	20639.65	21085.28	20803.87	21218.93	20914.65	21308.24	21029.08	21421.91	21141.13	21546.7
G33	18882.34	19414.04	19063.86	19567.94	19197.04	19663.09	19287.39	19753.85	19356.62	19826.08
G34	16851.61	17432.55	17050.25	17601.21	17174.28	17693.59	17242.58	17743.94	17248.78	17759.16
G35	14339.35	15118.83	14597.67	15307.58	14724.83	15380.1	14745.5	15379.92	14670.95	15299.07
G36	11315.2	12205.93	11644.2	12431.49	11779.28	12473.63	11774.94	12397.23	11643.5	12231.97

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/25 16:20:27

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

