

Report No.: KUPU-T200A-60D

Test Time: 2025/9/25 15:20:03

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: GZAILITELED
Luminaire Type: KUPU-T200A
Lamp Type:
Luminous Width: 144 mm
Luminous Length: 270 mm
Luminous Height: 0.8 mm

Voltage(V): 221.86 V
Current(A): 0.8300 A
Power(W): 199.21 W
Power Factor: 0.9830
Lamp Luminous Flux: 35626.24

Photometric Results

CIE Class: Direct
Luminaire Luminous Flux: 35626.24 lm
Downward Ratio: 100.00%
Luminaire Efficacy Rating(LER): 178.84 lm/W
Beam Angle(50%) C0-180,C90-270: 64.0,64.6
Field Angle(10%) C0-180,C90-270: 75.5,75.6
S/MH C0-180,C90-270: 0.975,0.975

Max. Intensity: 41434.80 cd
Max.Intensity Angle: C=180 Gamma=4
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 41111.63 cd
Effective Luminous Flux: 34065.25 lm
ERP(ϕ use)(120deg): 35142.57 lm

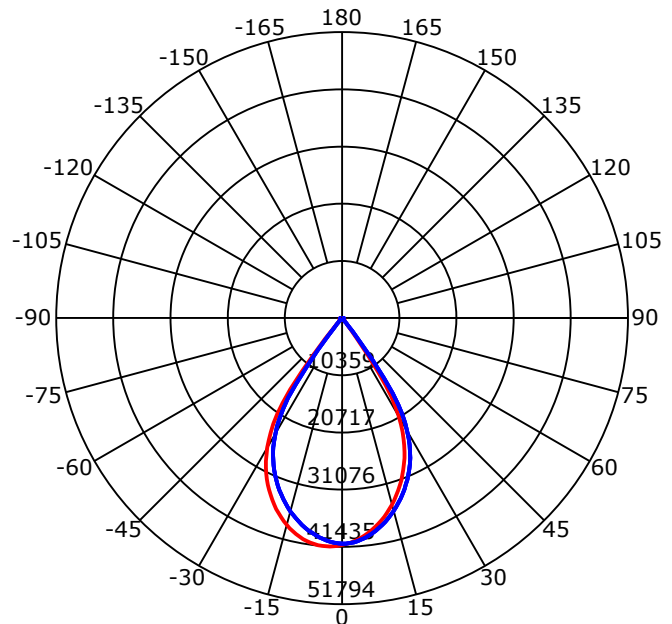
CIE Color Parameter

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



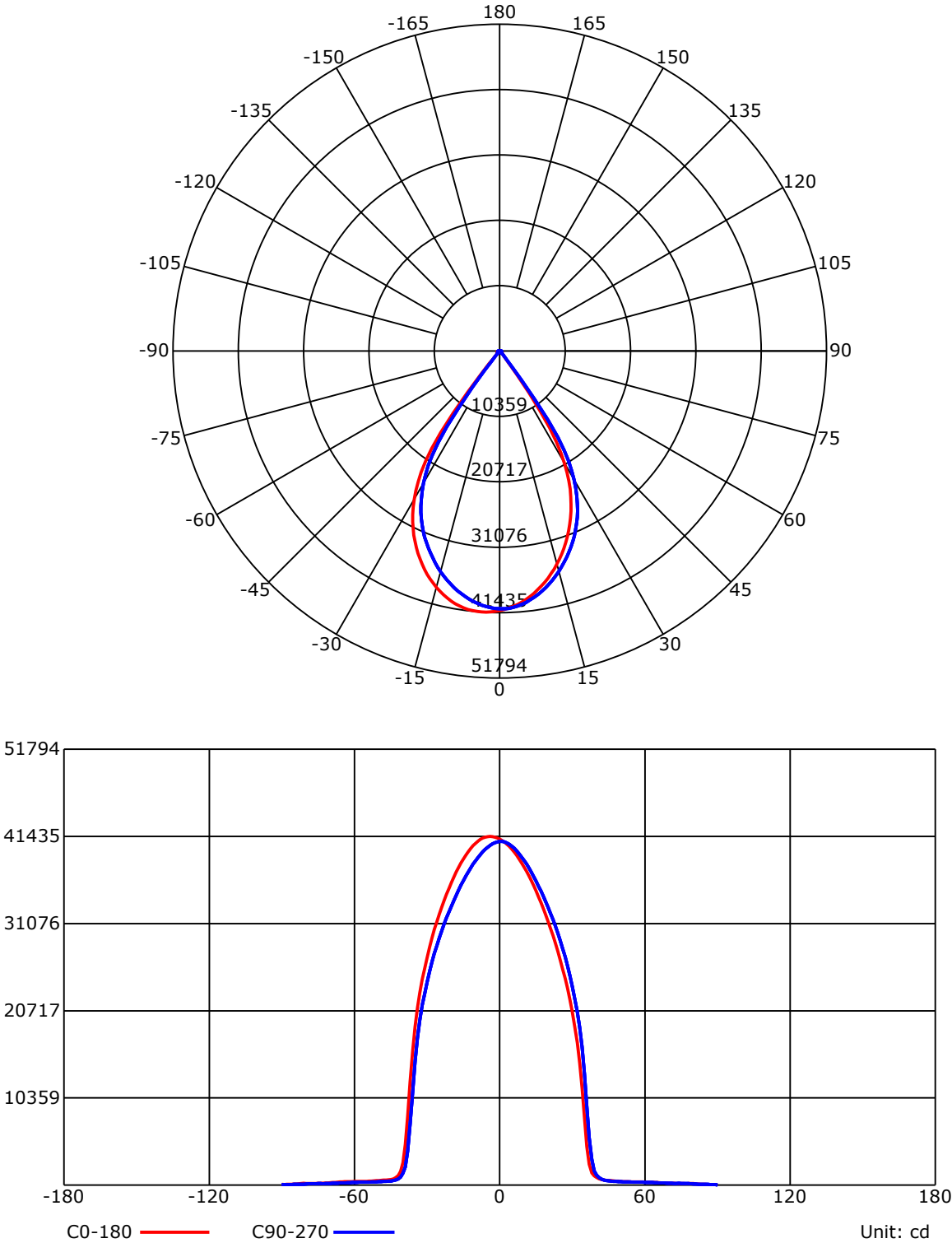
Beam Angle(50%) C0-180,C90-270: 64.0 deg,64.6 deg

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 15:20:03

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

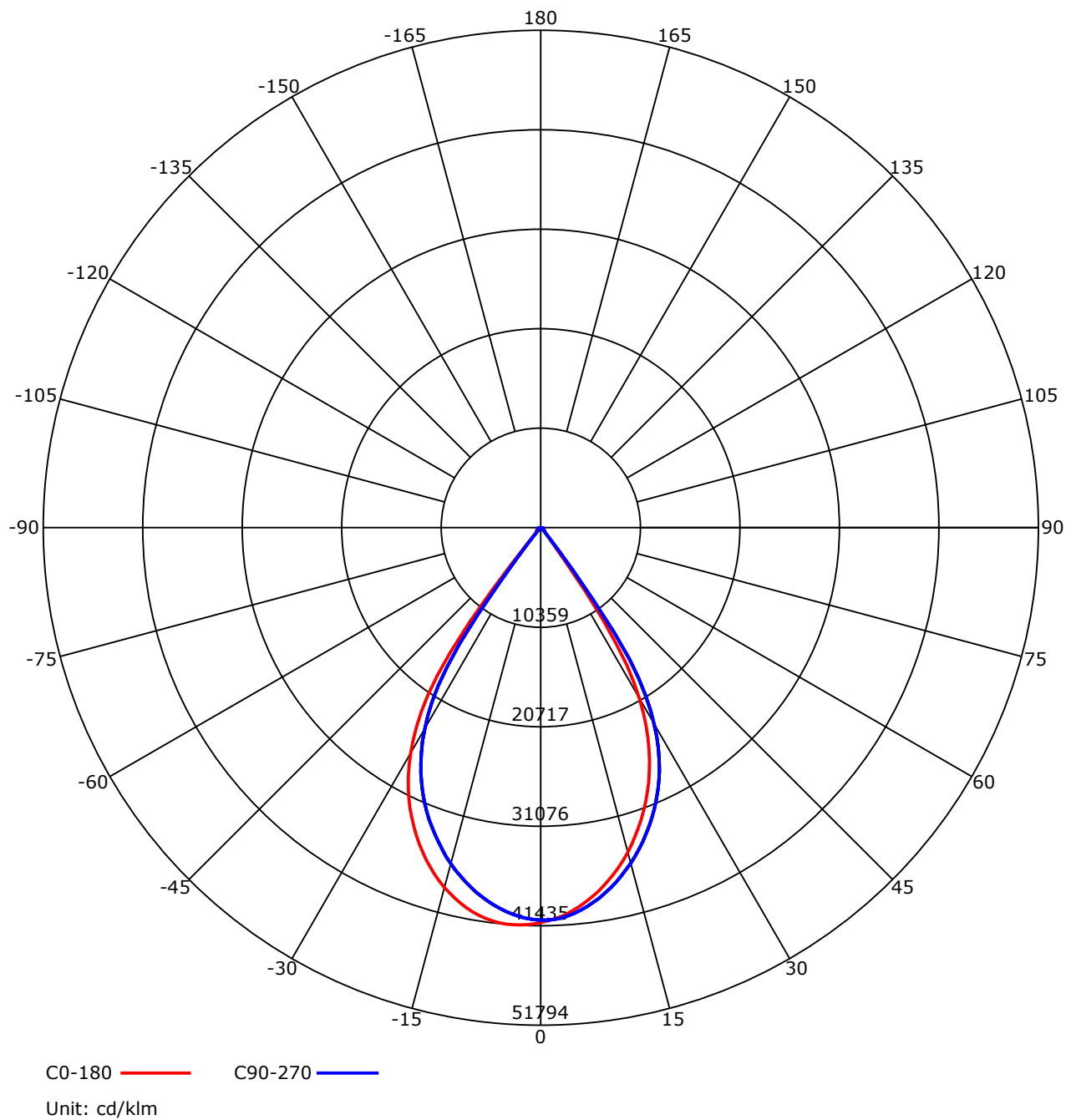
Luminous Intensity Distribution Curve



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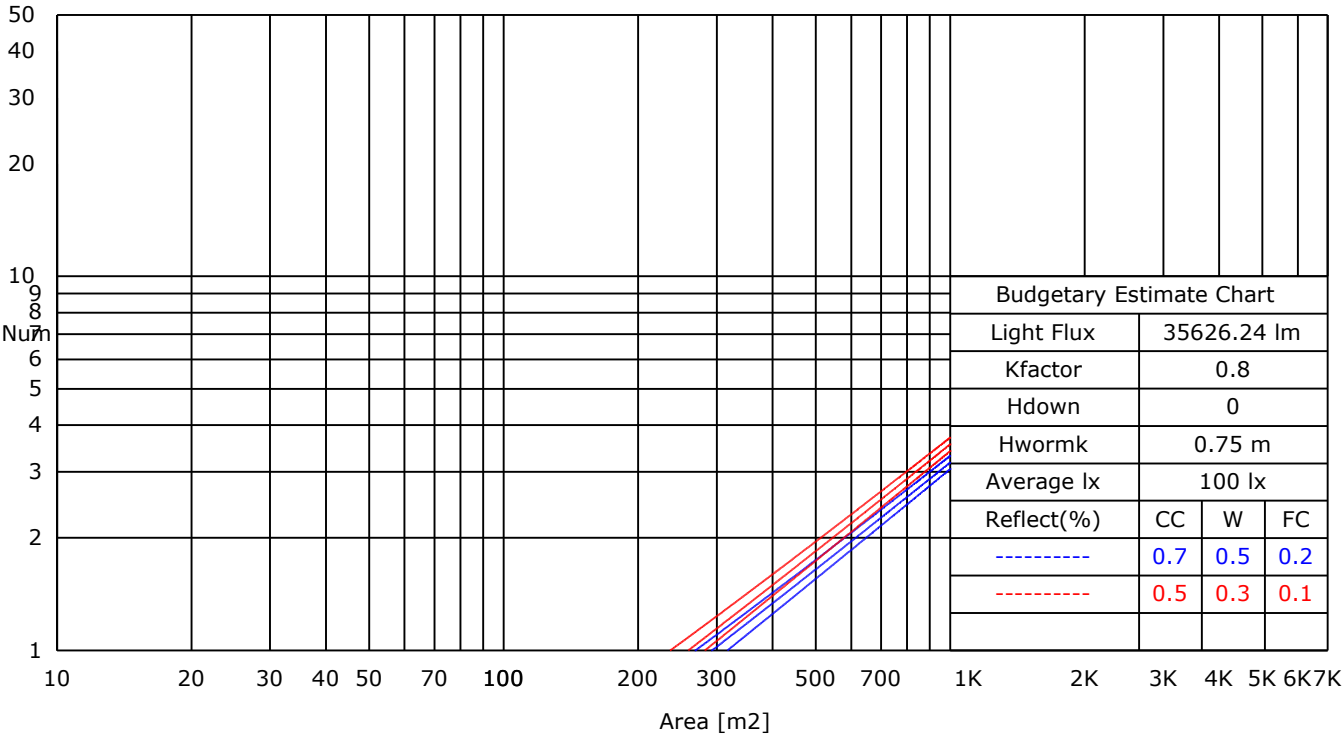
Luminous Intensity Distribution Curve



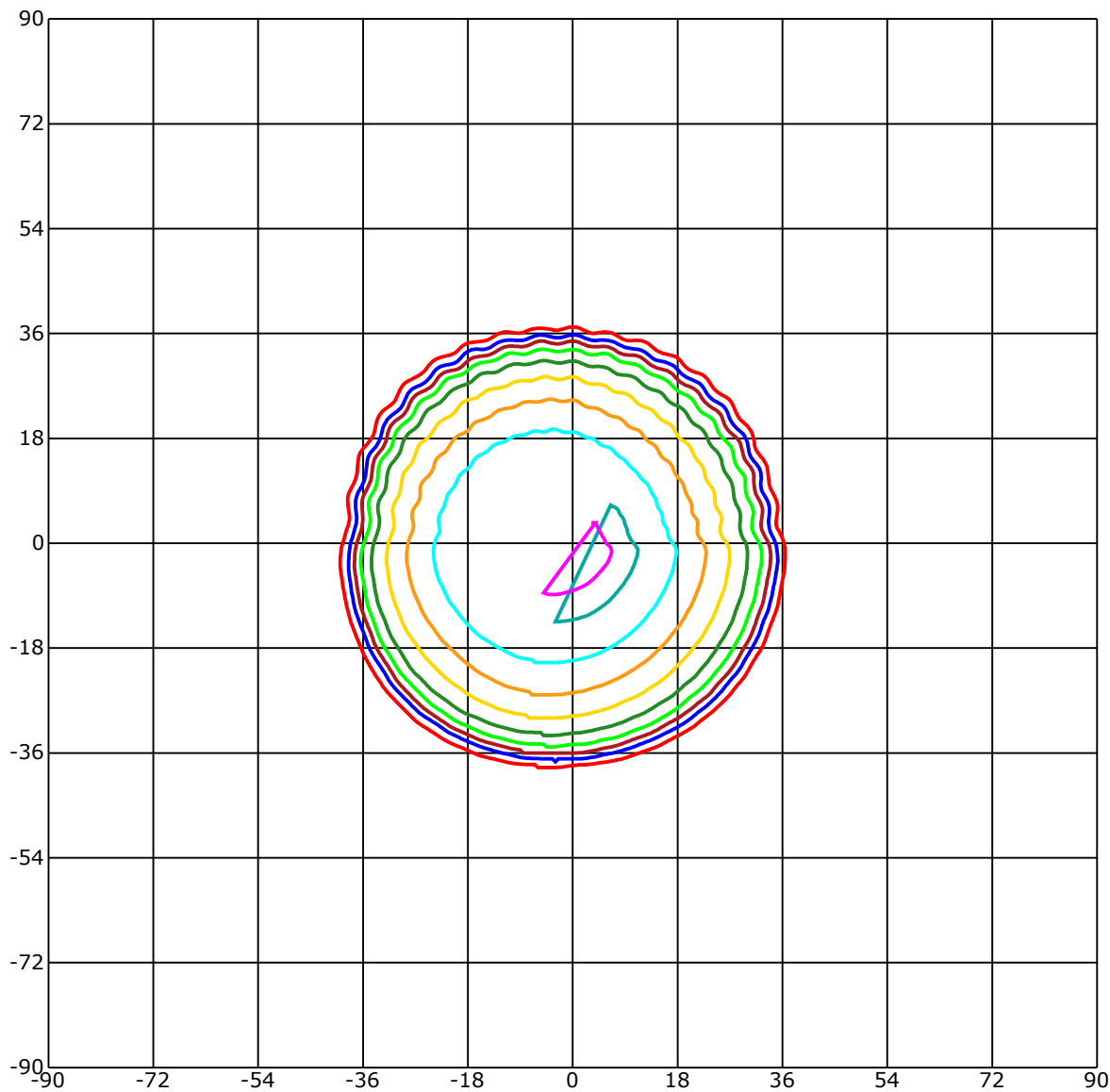
UTILIZATION FACTORS TABLE

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	0.98	0.97	0.95	0.95	0.93	0.91	0.91	0.88	0.86	0.86	0.83	0.81	0.76
4	0.93	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	0.75	0.71
5	0.88	0.86	0.85	0.87	0.85	0.83	0.84	0.81	0.79	0.81	0.78	0.75	0.78	0.74	0.71	0.67
6	0.82	0.81	0.80	0.81	0.79	0.78	0.79	0.76	0.74	0.77	0.73	0.70	0.74	0.70	0.66	0.63
7	0.77	0.76	0.75	0.77	0.74	0.73	0.75	0.72	0.70	0.73	0.69	0.66	0.70	0.66	0.62	0.59
8	0.73	0.71	0.70	0.72	0.70	0.69	0.71	0.68	0.65	0.69	0.65	0.62	0.67	0.62	0.59	0.55
9	0.69	0.67	0.66	0.68	0.66	0.65	0.67	0.64	0.62	0.65	0.61	0.58	0.63	0.59	0.55	0.52
10	0.65	0.63	0.63	0.64	0.62	0.61	0.63	0.60	0.58	0.62	0.58	0.55	0.60	0.56	0.52	0.49

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



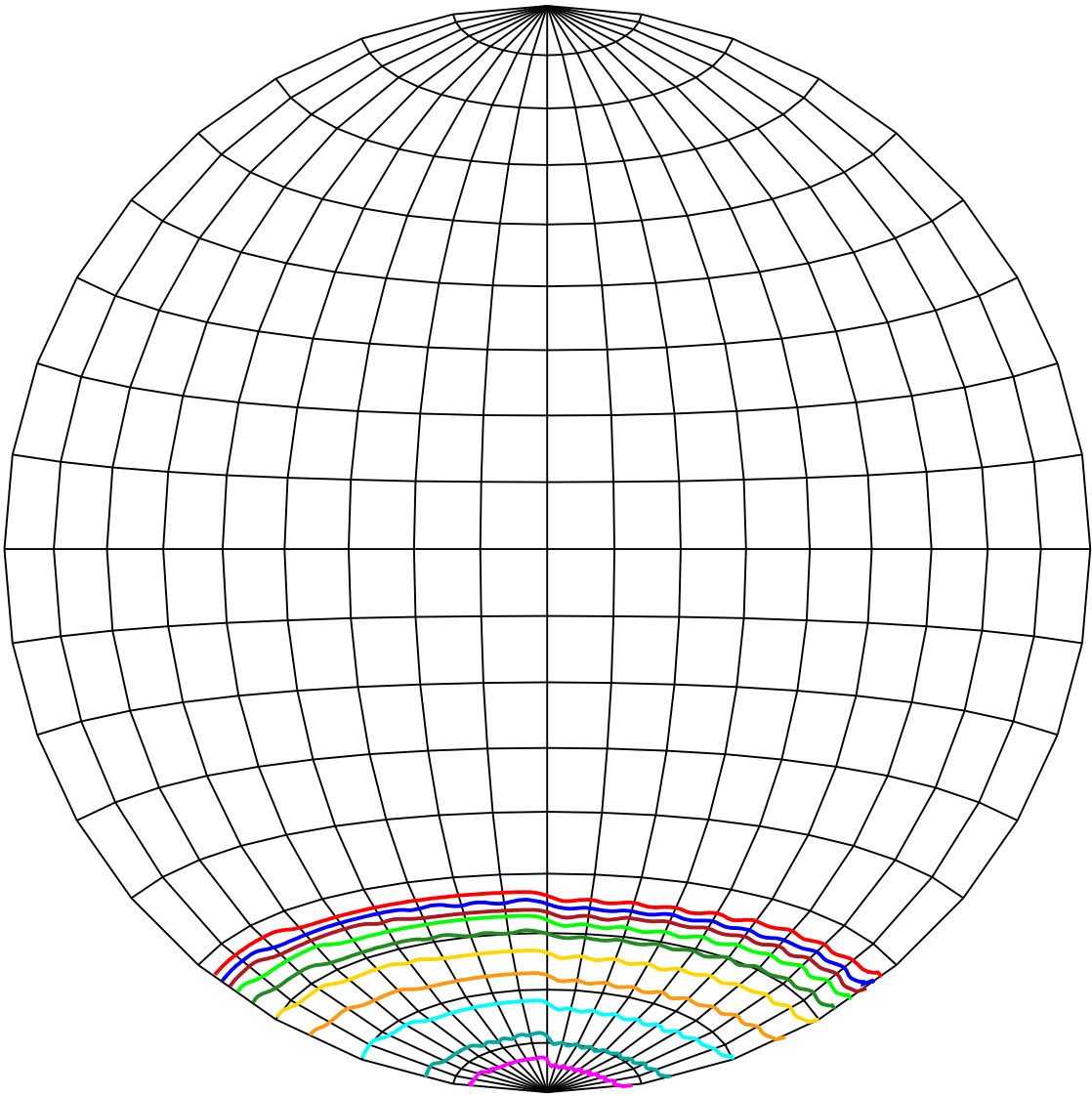
ISOCANDELA DIAGRAM (RECTANGULAR)



C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/25 15:20:03

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)



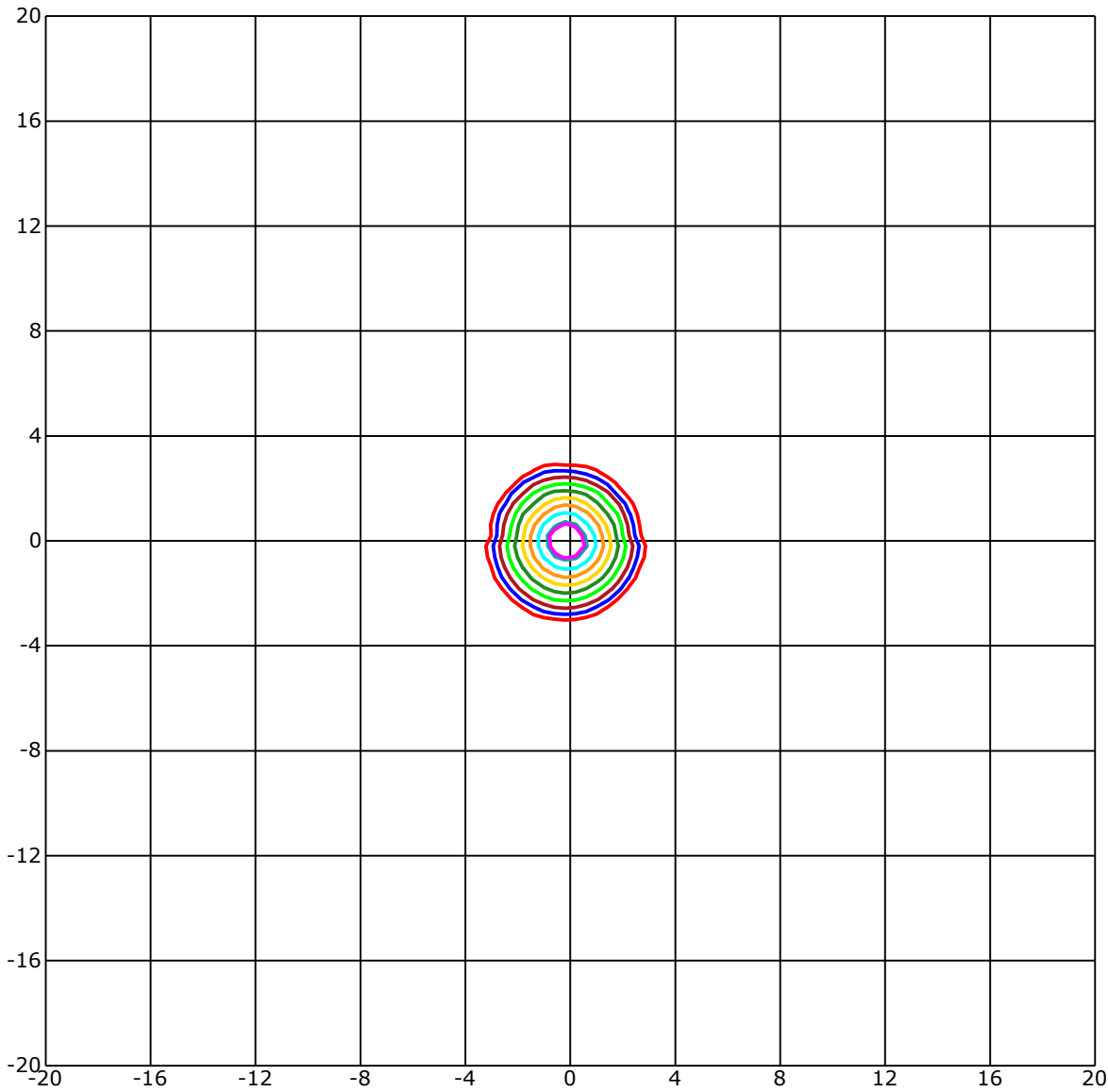
Unit of intensity:cd I_{max}(100%): 41434.8 cd

39363.06(95%I _{max})	20717.4(50%I _{max})
37291.32(90%I _{max})	16573.92(40%I _{max})
33147.84(80%I _{max})	12430.44(30%I _{max})
29004.36(70%I _{max})	8286.96(20%I _{max})
24860.88(60%I _{max})	4143.48(10%I _{max})

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/25 15:20:03

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

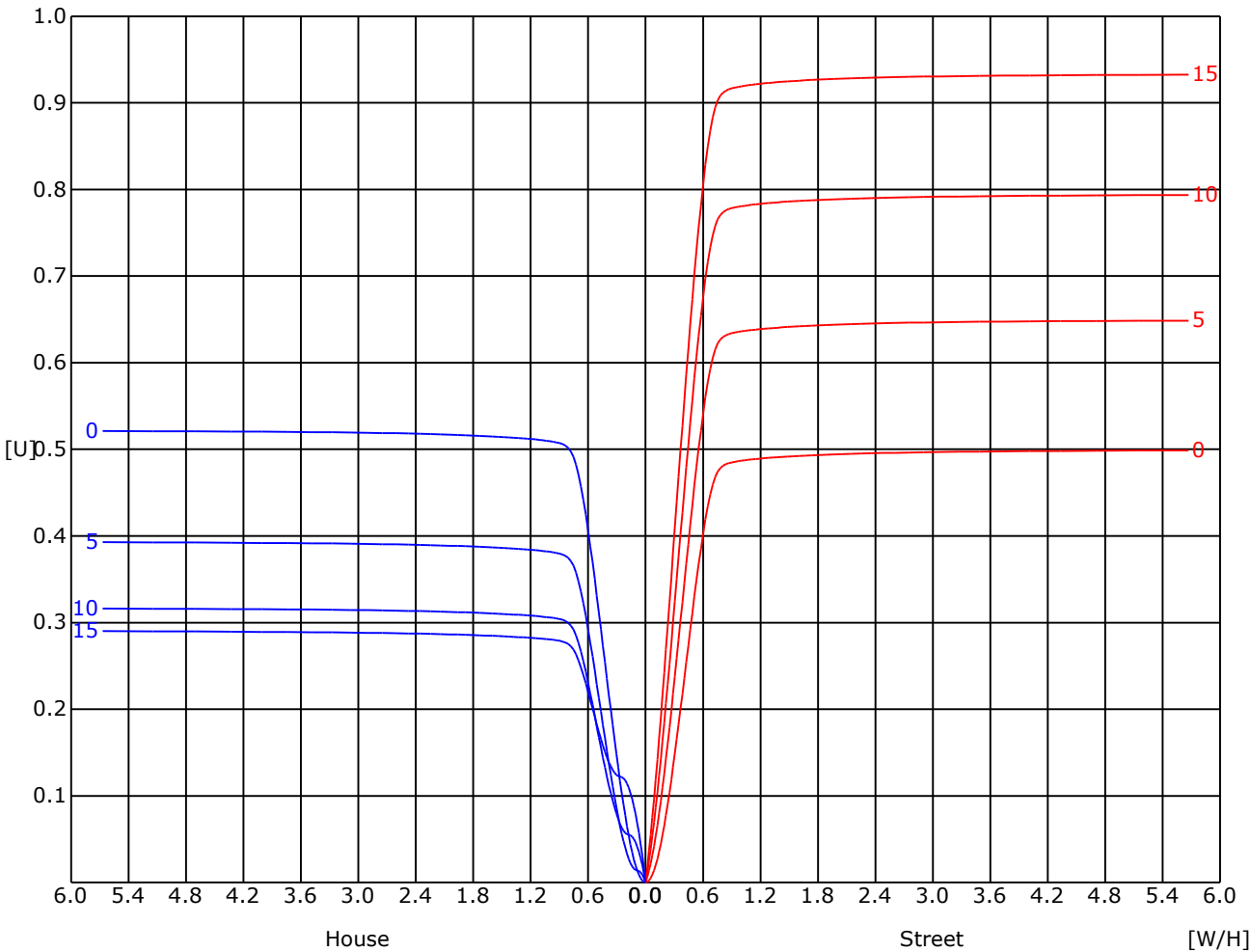
ISOLX DIAGRAM



C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/25 15:20:03

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)

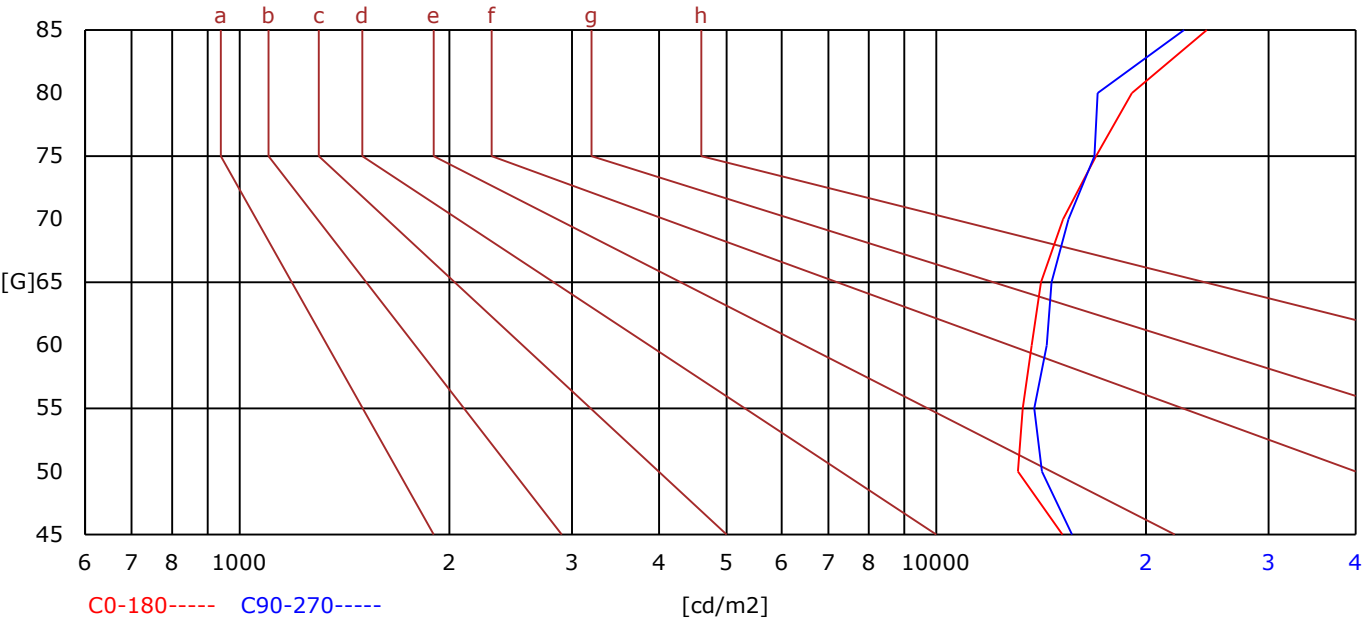


C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature: 7.061
Operators:
Test Date: 2025/9/25 15:20:03

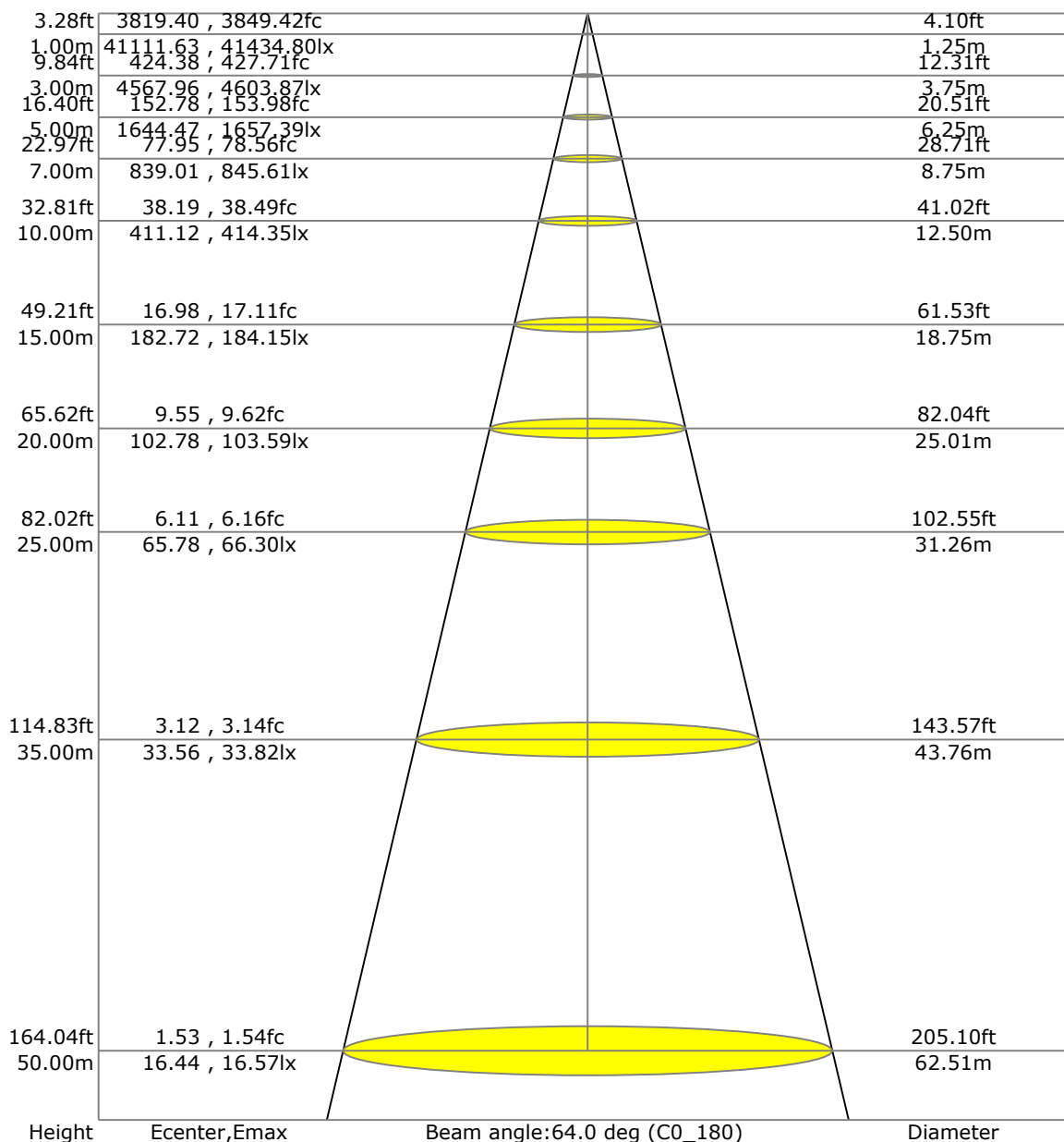
G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 1
Test Distance: 7.061 m
Remarks:

BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	15168	13101	13305	13711	14140	15207	16950	19097	24454
C90	15663	14176	13817	14401	14634	15485	16870	17044	22688
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 15:20:03

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

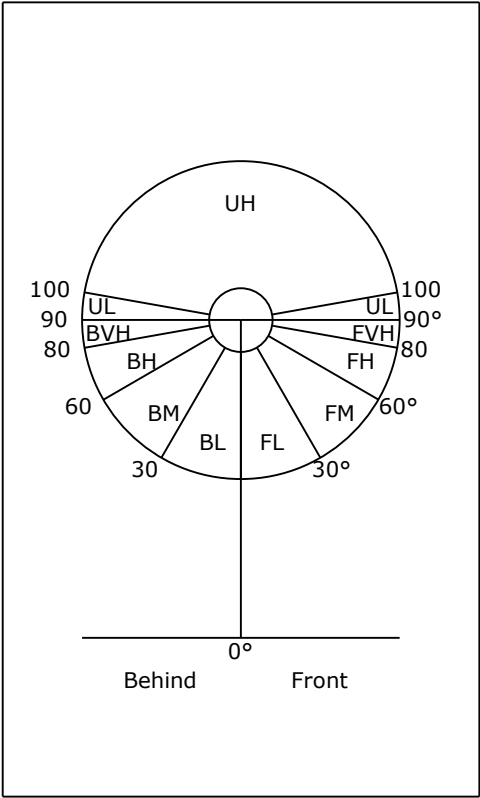
Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

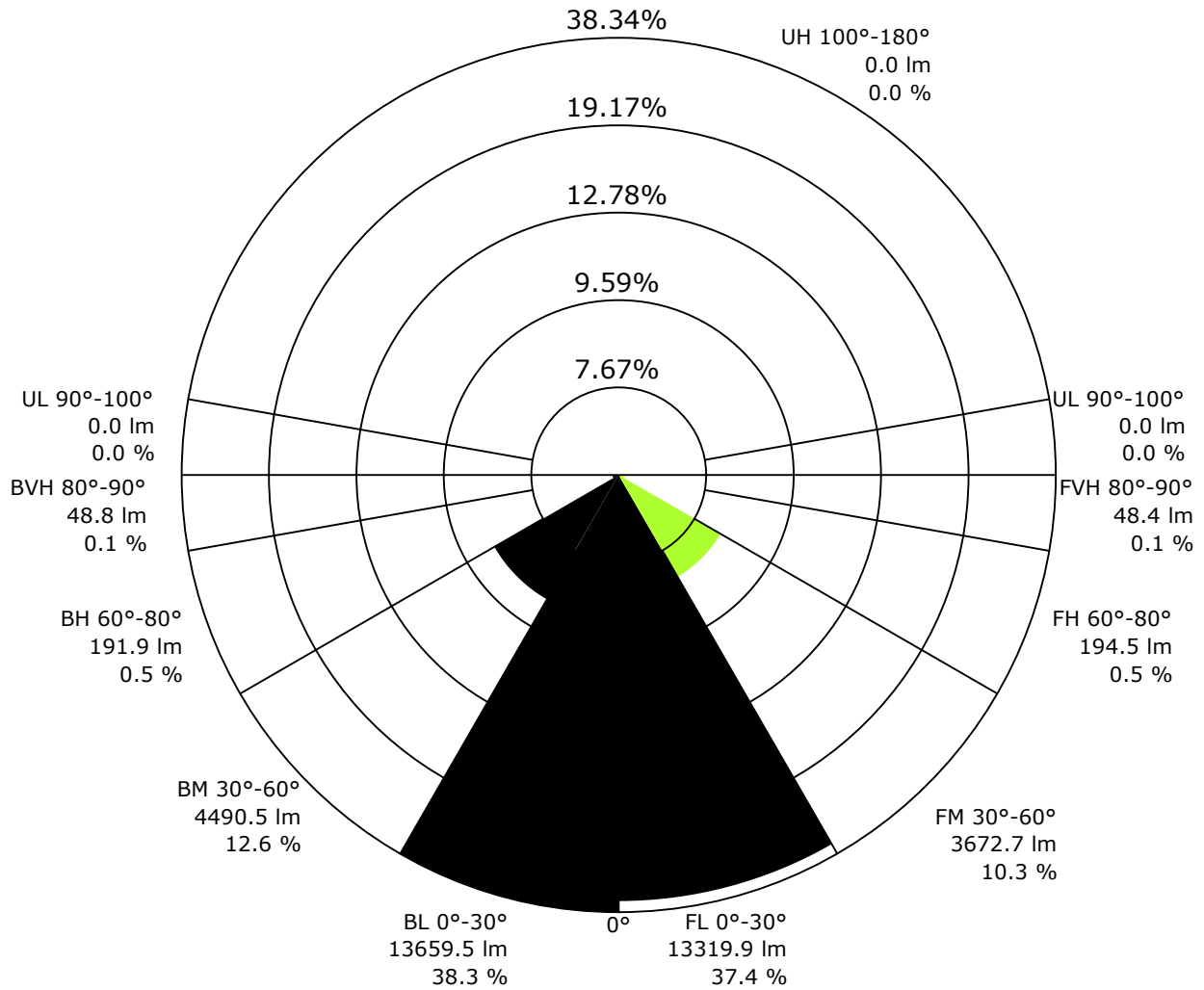
BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	17235.5	48.4
FL (0°-30°)	13319.9	37.4
FM (30°-60°)	3672.7	10.3
FH (60°-80°)	194.5	0.5
FVH (80°-90°)	48.4	0.1
Behind	18390.8	51.6
BL (0°-30°)	13659.5	38.3
BM (30°-60°)	4490.5	12.6
BH (60°-80°)	191.9	0.5
BVH (80°-90°)	48.8	0.1
Above	0.0	0.0
UL (90°-100°)	0.0	0.0
UH (100°-180°)	0.0	0.0
Limit Light	NA	NA

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



Behind
Mark:MAX LCS%
Limit Light:NA,NA

Front

UGR(Unified Glare Rating) TABLE

RHOCC	70	70	50	50	30	70	70	50	50	30
RHOW	50	30	50	30	30	50	30	50	30	30
RHOF	20	20	20	20	20	20	20	20	20	20
Room Size X Y	Viewed Endwise					Viewed Crosswise				
2H 2H	21.45	21.75	21.65	22.13	22.58	21.99	22.29	22.20	22.67	23.13
3H	21.20	21.48	21.43	21.87	22.35	21.75	22.03	21.98	22.42	22.89
4H	21.07	21.34	21.32	21.74	22.23	21.62	21.89	21.87	22.28	22.77
6H	20.94	21.20	21.21	21.60	22.10	21.49	21.74	21.76	22.14	22.65
8H	20.88	21.12	21.15	21.53	22.04	21.42	21.67	21.70	22.07	22.59
12H	20.81	21.05	21.10	21.46	21.98	21.36	21.59	21.64	22.00	22.52
4H 2H	21.32	21.58	21.57	21.98	22.47	21.83	22.09	22.08	22.49	22.98
3H	21.10	21.34	21.39	21.75	22.27	21.61	21.84	21.89	22.25	22.77
4H	20.99	21.21	21.30	21.62	22.16	21.49	21.71	21.80	22.12	22.66
6H	20.87	21.07	21.20	21.49	22.04	21.37	21.57	21.70	21.99	22.54
8H	20.80	20.99	21.14	21.41	21.98	21.31	21.49	21.65	21.92	22.48
12H	20.74	20.91	21.09	21.34	21.91	21.24	21.42	21.59	21.84	22.41
8H 4H	21.34	21.58	21.62	21.99	22.50	21.79	22.03	22.06	22.44	22.95
6H	21.05	21.21	21.41	21.64	22.22	21.44	21.60	21.80	22.03	22.61
8H	21.01	21.16	21.38	21.58	22.18	21.40	21.55	21.77	21.97	22.57
12H	20.96	21.09	21.34	21.52	22.12	21.35	21.48	21.74	21.91	22.52
12H 4H	21.19	21.37	21.54	21.79	22.37	21.56	21.73	21.91	22.16	22.73
6H	21.17	21.31	21.54	21.74	22.33	21.51	21.65	21.88	22.08	22.67

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	37823.3	36674.5	37373.5	36639.7	37357.4	36621.3	37367.5	36649.6	10	3794.7	3794.7	10.7	10.7
20	31319.1	29630.3	30680.5	29549.2	30590.7	29491.4	30569.0	29528.4	20	10118.6	13913.4	39.1	39.1
30	20534.8	17319.0	19694.0	17358.9	19788.2	17548.7	19997.1	17883.6	30	13066.1	26979.4	75.7	75.7
40	920.3	656.9	835.7	647.6	845.3	662.5	869.5	682.1	40	7421.5	34400.9	96.6	96.6
50	449.0	327.4	305.2	290.9	315.1	298.3	320.8	305.5	50	476.2	34877.2	97.9	97.9
60	366.8	266.5	236.6	230.8	236.1	229.0	231.0	230.3	60	265.4	35142.6	98.6	98.6
70	234.5	202.2	187.1	170.5	169.8	171.5	175.4	169.4	70	222.5	35365.1	99.3	99.3
80	182.2	128.9	110.7	110.8	114.9	117.1	118.2	110.1	80	163.9	35529.1	99.7	99.7
90	55.5	42.4	0.0	65.6	0.0	75.2	0.0	58.2	90	97.2	35626.3	100.0	100.0

Conical surface Flux(90deg) : 34711.8 lm

%lum = 97.4%

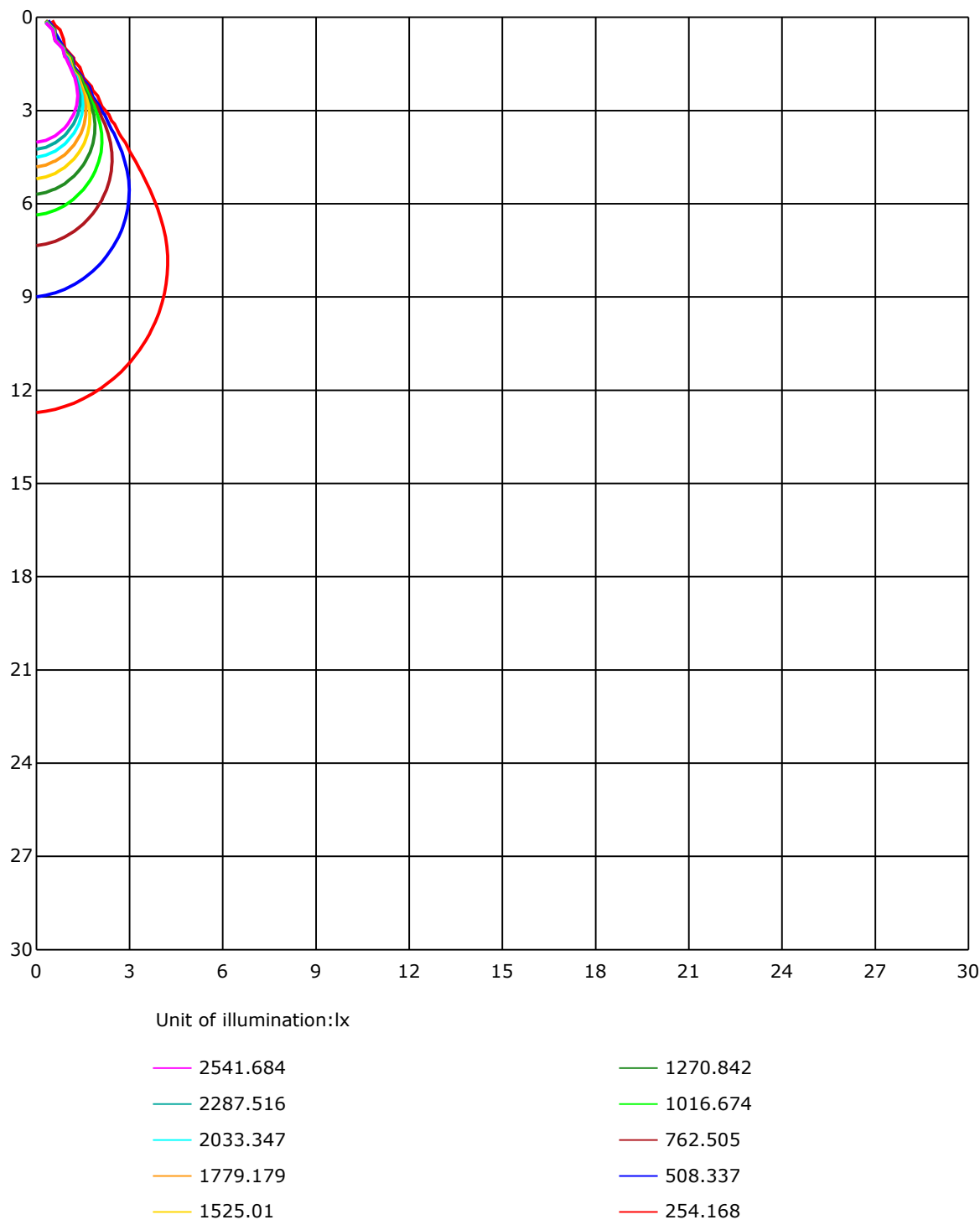
%lamp = 97.4%

Conical surface Flux(120deg) : 35142.6 lm

%lum = 98.6%

%lamp = 98.6%

SPACE ISOLX DIAGRAM



LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C5	C10	C15	C20	C25	C30	C35	C40	C45
G0	41111.63	40629.05	40818.27	40625.37	40800.37	40629.75	40787.55	40637.98	40790.94	40651.84
G1	40942.66	40417.46	40679.31	40415.37	40667.55	40418.21	40660.32	40440.24	40678.32	40461.93
G2	40741.73	40156.05	40502.47	40154.56	40493.14	40168.62	40501.72	40188.31	40519.67	40225.21
G3	40509.3	39852.07	40246.0	39849.93	40253.98	39865.58	40272.92	39893.66	40291.17	39944.81
G4	40236.68	39501.47	39956.52	39501.62	39957.77	39509.75	39981.95	39550.23	40020.99	39606.02
G5	39924.12	39109.24	39620.83	39106.25	39621.98	39117.02	39647.21	39153.66	39696.62	39222.52
G6	39566.74	38683.21	39240.22	38667.3	39244.46	38680.02	39279.06	38711.48	39328.62	38797.83
G7	39178.0	38217.19	38819.22	38195.8	38819.47	38208.81	38847.94	38252.48	38909.71	38335.2
G8	38757.85	37731.08	38363.92	37708.04	38357.94	37706.55	38386.95	37745.39	38445.84	37835.82
G9	38306.93	37217.34	37886.48	37186.68	37875.46	37176.41	37891.47	37213.55	37960.67	37303.7
G10	37823.31	36674.54	37373.5	36639.69	37357.39	36621.34	37367.46	36649.56	37429.54	36743.74
G11	37312.27	36097.79	36840.42	36060.74	36812.8	36033.52	36819.03	36059.39	36880.25	36161.36
G12	36771.36	35496.15	36263.71	35443.61	36233.85	35416.73	36237.94	35445.1	36303.05	35554.44
G13	36196.5	34862.71	35675.74	34794.75	35634.86	34762.65	35632.41	34795.95	35698.18	34924.14
G14	35601.3	34191.13	35040.21	34118.39	34993.74	34073.86	34994.04	34122.63	35065.13	34245.37
G15	34970.75	33503.99	34383.08	33423.02	34323.4	33376.3	34317.77	33415.64	34404.57	33563.97
G16	34298.42	32786.54	33689.01	32705.77	33622.95	32643.39	33608.99	32689.01	33707.61	32839.78
G17	33586.65	32048.64	32980.78	31955.66	32909.93	31889.3	32902.05	31928.58	32991.75	32094.76
G18	32852.85	31282.68	32239.45	31191.64	32159.88	31123.98	32147.36	31154.79	32239.79	31312.59
G19	32099.3	30472.19	31483.16	30374.02	31395.06	30311.5	31376.81	30346.3	31465.01	30516.41
G20	31319.07	29630.29	30680.5	29549.22	30590.65	29491.44	30568.96	29528.38	30671.82	29697.9
G21	30499.51	28733.05	29858.99	28654.73	29772.63	28614.19	29756.58	28665.25	29856.75	28838.75
G22	29632.14	27796.13	28981.0	27727.77	28910.5	27715.61	28902.57	27779.28	29011.76	27964.15
G23	28732.71	26794.49	28059.97	26736.0	28008.12	26746.72	28023.33	26843.95	28146.48	27045.72
G24	27782.92	25749.37	27080.27	25702.95	27057.98	25733.21	27097.47	25857.96	27234.13	26085.26
G25	26758.79	24634.35	26075.74	24600.25	26060.13	24659.38	26129.58	24806.86	26293.96	25068.46
G26	25680.26	23466.13	24979.62	23446.64	24978.97	23525.02	25081.53	23698.62	25273.08	23977.47
G27	24559.31	22177.31	23836.18	22161.21	23856.77	22267.95	23976.93	22472.52	24200.09	22786.07
G28	23359.59	20783.24	22590.83	20792.31	22625.78	20923.94	22768.13	21153.38	23023.75	21495.66
G29	22027.14	19173.83	21235.45	19193.68	21298.37	19363.49	21469.83	19625.89	21752.52	20008.15
G30	20534.8	17319.03	19693.95	17358.91	19788.18	17548.72	19997.08	17883.56	20309.19	18308.7
G31	18863.02	15039.43	17938.86	15080.32	18051.73	15303.58	18301.02	15676.06	18669.72	16190.25
G32	16930.29	12249.0	15817.86	12282.5	15944.8	12496.64	16240.0	12952.94	16672.37	13551.13
G33	14507.35	8832.25	13178.59	8855.88	13320.54	9109.8	13656.78	9514.0	14165.88	10170.53
G34	11561.06	5271.76	9932.9	5316.38	10055.06	5570.35	10387.46	5988.56	10947.81	6578.48
G35	8048.23	2879.48	6289.25	2889.95	6445.76	3014.6	6793.71	3285.77	7330.83	3675.26
G36	4584.82	1614.89	3486.95	1668.59	3559.14	1777.78	3806.14	1912.99	4209.74	2122.49

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/25 15:20:03

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	2497.87	1164.18	1919.92	1169.11	2012.81	1207.06	2152.76	1279.6	2363.9	1363.86
G38	1461.68	949.54	1276.31	948.09	1309.86	967.64	1389.19	996.01	1496.43	1023.13
G39	1114.87	785.96	1013.86	780.17	1034.6	800.76	1056.49	823.0	1085.8	835.42
G40	920.27	656.93	835.67	647.55	845.29	662.51	869.52	682.1	891.9	694.12
G41	772.74	563.64	688.34	532.73	696.71	550.53	721.39	565.59	738.94	581.64
G42	666.45	506.7	570.22	468.81	576.7	476.94	598.94	494.19	610.56	507.7
G43	606.67	467.91	489.8	424.19	493.39	429.42	512.74	445.58	528.29	465.42
G44	574.86	440.04	440.39	392.13	441.59	396.87	458.19	408.04	473.85	422.49
G45	553.07	417.01	406.44	359.92	407.34	371.79	415.07	380.46	434.41	395.52
G46	532.38	397.17	380.26	341.08	381.11	352.05	389.19	360.07	405.19	372.84
G47	508.7	379.12	359.82	322.98	360.22	334.2	368.3	350.4	380.51	353.74
G48	489.5	359.62	343.22	312.31	334.99	320.04	350.1	328.11	359.87	338.43
G49	469.31	341.03	318.94	299.6	318.99	308.72	334.35	322.63	343.77	326.42
G50	448.97	327.42	305.23	290.87	315.05	298.35	320.78	305.48	336.89	315.4
G51	430.87	318.04	302.29	275.41	303.93	289.67	316.55	296.85	322.48	306.08
G52	419.15	315.0	291.62	270.28	293.96	282.24	305.68	287.03	306.38	297.0
G53	410.63	309.82	281.95	263.95	284.89	274.92	289.03	281.3	296.6	289.47
G54	397.22	303.33	273.07	258.56	276.31	266.59	280.7	273.92	289.17	281.6
G55	395.32	296.7	263.6	252.38	266.14	260.46	272.97	264.89	282.24	274.52
G56	389.44	288.23	257.02	246.5	259.26	254.32	263.6	258.21	276.16	264.45
G57	384.0	283.79	251.13	241.06	253.13	247.49	256.67	251.18	267.19	256.87
G58	379.52	273.52	246.6	236.18	255.07	241.51	244.0	244.5	260.56	249.29
G59	374.38	274.47	241.56	230.79	241.81	235.08	246.45	237.32	254.17	241.61
G60	366.8	266.54	236.62	230.84	236.13	229.0	230.99	230.29	240.91	234.03
G61	366.25	261.25	232.09	220.52	235.23	223.16	234.83	224.46	239.37	233.13
G62	350.5	254.37	227.4	215.83	224.86	216.38	228.7	218.13	233.04	220.02
G63	343.87	247.64	222.56	211.2	218.63	210.55	222.07	217.93	229.84	213.54
G64	330.46	239.67	214.24	205.91	210.25	204.62	215.93	205.26	217.78	206.96
G65	308.32	232.34	207.56	191.4	206.76	198.88	209.1	198.98	210.7	200.53
G66	290.57	226.4	209.2	187.22	201.38	192.95	201.92	192.75	211.25	197.09
G67	273.02	219.77	204.27	188.66	194.99	187.07	194.84	191.2	195.39	188.46
G68	256.57	213.89	198.68	182.68	179.09	181.43	188.36	180.19	188.06	179.94
G69	244.1	208.7	192.9	176.15	174.6	174.4	180.88	174.7	179.79	176.3
G70	234.53	202.22	187.07	170.46	169.82	171.51	175.4	169.37	175.3	170.16
G71	225.31	197.79	181.53	163.93	167.82	164.78	169.07	163.28	166.33	161.74
G72	215.34	191.9	179.79	157.15	161.14	157.35	162.09	155.71	158.3	144.24
G73	205.76	186.07	170.41	151.07	154.51	141.9	157.0	148.78	151.97	140.05

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/25 15:20:03

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	40777.28	40664.95	40787.9	40696.21	40798.42	40743.18	40812.53	40798.57	40838.21	40867.23
G1	40668.2	40497.88	40701.95	40550.83	40742.78	40620.18	40779.18	40707.48	40845.14	40799.57
G2	40529.44	40276.91	40583.89	40348.76	40638.78	40441.44	40702.75	40560.8	40787.4	40681.21
G3	40339.63	40009.67	40397.57	40101.91	40465.22	40218.03	40564.34	40358.23	40667.64	40512.94
G4	40069.55	39683.4	40144.49	39798.43	40242.36	39935.59	40358.08	40110.24	40500.07	40293.76
G5	39753.36	39323.38	39855.36	39457.89	39975.97	39627.06	40114.77	39824.75	40281.45	40032.95
G6	39405.6	38917.24	39515.73	39075.49	39656.58	39271.98	39830.53	39493.0	40022.59	39733.51
G7	38998.16	38469.67	39134.02	38654.19	39307.28	38882.39	39501.37	39128.39	39718.3	39399.66
G8	38558.11	37988.44	38705.64	38187.82	38906.97	38453.66	39132.03	38731.77	39379.13	39025.43
G9	38076.29	37472.51	38251.69	37706.3	38471.91	38000.21	38731.42	38310.32	39008.38	38630.36
G10	37559.52	36932.15	37753.06	37199.09	38010.28	37517.34	38301.75	37861.6	38603.84	38201.29
G11	37015.87	36355.55	37237.63	36651.45	37528.45	36999.51	37848.54	37370.95	38176.0	37735.81
G12	36443.85	35765.43	36687.11	36073.31	37002.3	36451.23	37352.36	36852.78	37710.68	37244.16
G13	35858.57	35137.88	36109.16	35460.5	36452.18	35875.32	36829.9	36309.73	37217.54	36717.22
G14	35232.8	34484.04	35496.2	34822.63	35864.05	35263.02	36275.43	35738.66	36691.39	36169.33
G15	34578.02	33804.73	34860.17	34166.6	35249.46	34641.24	35694.84	35142.91	36143.21	35605.49
G16	33898.06	33102.39	34189.63	33488.83	34605.75	33988.46	35094.75	34519.59	35564.26	35000.22
G17	33193.72	32377.15	33516.5	32783.69	33949.17	33318.17	34463.1	33875.58	34967.96	34376.3
G18	32461.61	31629.29	32801.64	32057.17	33263.68	32618.32	33813.66	33208.28	34335.66	33735.13
G19	31702.18	30838.89	32065.24	31298.68	32554.4	31879.57	33132.65	32505.04	33683.63	33052.08
G20	30917.22	30040.67	31302.12	30519.01	31814.51	31123.23	32418.44	31773.43	33000.27	32347.89
G21	30113.21	29194.98	30519.36	29695.65	31056.77	30322.57	31690.51	30999.79	32299.63	31598.03
G22	29271.77	28329.75	29700.49	28850.77	30254.86	29490.74	30911.64	30190.84	31555.45	30815.61
G23	28409.47	27419.6	28854.21	27953.23	29431.81	28611.4	30107.78	29334.44	30770.44	29973.76
G24	27514.73	26473.55	27967.99	27005.98	28559.65	27681.85	29255.16	28423.49	29935.67	29088.49
G25	26588.62	25460.19	27053.1	26012.02	27659.17	26693.67	28364.65	27455.25	29070.39	28140.35
G26	25583.99	24389.1	26055.64	24952.99	26671.54	25655.34	27397.56	26410.33	28132.91	27137.06
G27	24541.96	23225.02	25027.73	23796.19	25644.67	24504.47	26382.31	25288.78	27132.72	26025.43
G28	23390.0	21961.68	23879.16	22565.35	24520.97	23291.53	25272.98	24094.64	26037.25	24856.87
G29	22144.16	20515.85	22658.09	21163.9	23327.53	21931.02	24082.88	22750.63	24871.32	23549.65
G30	20745.4	18894.03	21294.53	19593.44	21998.17	20425.46	22776.55	21291.44	23593.02	22127.85
G31	19153.34	16877.63	19761.56	17682.69	20516.85	18629.93	21350.47	19561.63	22184.69	20475.72
G32	17232.47	14337.09	17940.65	15324.62	18789.33	16461.27	19687.67	17568.37	20581.62	18582.37
G33	14834.76	11059.54	15675.62	12167.68	16680.9	13524.01	17738.88	14875.45	18746.8	16164.57
G34	11703.75	7382.88	12673.88	8470.43	13896.49	9863.6	15188.75	11399.37	16434.0	12894.65
G35	8072.71	4227.69	9045.74	4982.53	10334.31	6058.81	11798.48	7361.94	13275.17	8912.07
G36	4769.34	2389.28	5525.63	2774.68	6583.26	3387.48	7872.09	4211.23	9365.32	5314.43

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/25 15:20:03

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	40871.61	40924.81	40901.68	40977.86	40921.97	41025.02	40941.86	41076.23	40965.7	41122.6
G1	40891.71	40888.31	40945.65	40982.4	40991.22	41060.63	41033.95	41128.38	41067.26	41192.95
G2	40869.12	40811.54	40950.19	40925.26	41020.64	41033.4	41084.8	41137.41	41147.07	41222.96
G3	40785.66	40673.18	40897.84	40821.3	40998.95	40951.93	41094.18	41087.95	41180.33	41198.93
G4	40651.69	40477.89	40790.7	40652.44	40927.2	40831.63	41050.05	40991.17	41160.69	41123.54
G5	40462.73	40244.21	40633.99	40454.36	40804.11	40655.13	40958.86	40843.54	41092.09	41008.92
G6	40226.65	39969.49	40433.11	40207.81	40625.86	40432.66	40811.14	40642.37	40974.07	40835.02
G7	39953.83	39660.37	40183.03	39917.14	40406.84	40172.01	40614.3	40412.72	40809.59	40619.43
G8	39635.69	39309.42	39892.31	39588.97	40142.59	39867.53	40385.45	40132.57	40597.34	40365.36
G9	39289.68	38929.61	39564.34	39228.75	39843.55	39527.25	40106.05	39806.16	40348.11	40062.18
G10	38907.97	38521.57	39207.16	38838.41	39499.23	39154.27	39783.12	39443.24	40043.18	39722.29
G11	38506.26	38087.26	38820.77	38416.82	39130.13	38739.45	39425.39	39050.91	39706.39	39339.19
G12	38060.89	37608.97	38399.87	37967.05	38732.47	38304.74	39029.87	38617.95	39324.38	38914.8
G13	37588.63	37099.48	37940.58	37477.85	38292.42	37832.59	38610.71	38160.5	38912.7	38453.52
G14	37082.03	36562.76	37454.46	36946.61	37822.86	37323.14	38164.79	37662.57	38460.39	37955.38
G15	36551.74	36005.5	36935.7	36397.78	37314.21	36782.48	37677.43	37128.2	37975.08	37433.63
G16	35985.21	35421.67	36380.13	35822.47	36766.63	36203.43	37135.93	36558.17	37449.63	36873.87
G17	35409.3	34799.99	35813.95	35209.42	36204.38	35591.38	36578.77	35951.66	36903.89	36286.25
G18	34794.21	34172.13	35203.49	34562.52	35604.59	34945.68	35972.64	35311.08	36312.32	35655.8
G19	34160.46	33494.62	34572.19	33880.71	34969.81	34260.43	35335.76	34630.38	35687.71	34984.76
G20	33496.16	32796.16	33906.59	33178.97	34290.99	33547.81	34659.29	33918.8	35021.46	34282.41
G21	32810.37	32058.31	33219.35	32431.05	33597.47	32794.96	33964.27	33181.21	34328.93	33534.95
G22	32081.05	31289.91	32495.42	31666.33	32856.89	32020.32	33227.73	32401.29	33596.77	32749.99
G23	31318.47	30464.16	31732.94	30846.72	32096.41	31203.25	32463.36	31572.65	32831.46	31934.47
G24	30506.24	29594.64	30930.98	29987.67	31292.05	30344.26	31655.07	30709.71	32018.68	31069.19
G25	29659.66	28678.81	30099.9	29077.17	30463.32	29440.78	30823.44	29792.38	31187.25	30150.26
G26	28741.08	27693.77	29196.08	28119.4	29563.24	28489.9	29918.12	28845.73	30271.91	29212.83
G27	27772.4	26619.83	28248.98	27078.97	28624.27	27469.96	28997.85	27828.93	29334.59	28192.39
G28	26702.55	25493.8	27222.21	25987.24	27614.7	26399.01	27992.52	26768.71	28331.7	27138.01
G29	25567.39	24219.93	26125.7	24772.11	26555.62	25217.69	26942.21	25603.59	27291.72	25968.59
G30	24313.96	22849.34	24920.63	23453.27	25395.98	23947.61	25799.87	24344.58	26159.85	24720.15
G31	22952.35	21280.47	23611.17	21941.63	24143.1	22501.79	24563.4	22927.12	24937.48	23296.42
G32	21431.39	19500.95	22146.25	20251.16	22723.8	20870.24	23202.69	21342.59	23587.29	21725.8
G33	19666.93	17253.86	20484.59	18161.02	21138.92	18891.64	21655.65	19425.31	22066.43	19828.46
G34	17523.64	14282.04	18468.4	15481.82	19246.88	16380.1	19825.62	17036.43	20265.12	17515.12
G35	14684.94	10483.38	15909.25	11886.73	16871.0	13030.51	17555.8	13870.02	18075.96	14424.64
G36	10987.64	6590.69	12465.98	7938.05	13698.96	9151.33	14627.06	10064.73	15251.08	10685.31

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/25 15:20:03

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	41009.57	41170.66	41082.96	41218.87	41088.99	41258.36	41111.63	40629.05	40818.27	40625.37
G1	41115.37	41251.73	41187.56	41301.64	41209.3	41350.25	41246.59	40796.43	40922.87	40797.92
G2	41202.07	41296.4	41265.84	41350.85	41297.85	41395.02	41347.31	40920.22	40994.86	40907.91
G3	41253.27	41295.1	41315.15	41365.11	41360.07	41416.91	41413.02	41002.29	41036.69	40987.04
G4	41256.07	41244.05	41336.29	41332.2	41389.09	41386.45	41434.8	41047.11	41044.72	41023.63
G5	41214.33	41147.57	41309.46	41246.74	41370.59	41309.51	41417.41	41049.11	41016.1	41016.7
G6	41119.75	40998.2	41234.28	41111.13	41310.11	41184.12	41354.23	41013.51	40952.48	40973.92
G7	40985.54	40808.74	41120.05	40940.71	41198.18	41013.46	41243.3	40927.75	40848.88	40880.14
G8	40793.64	40568.38	40947.85	40714.16	41042.03	40799.12	41088.45	40801.31	40704.69	40739.89
G9	40564.59	40286.29	40737.45	40456.5	40844.89	40539.86	40886.77	40617.14	40500.52	40554.02
G10	40280.25	39961.71	40472.2	40141.65	40596.3	40229.7	40637.63	40402.5	40271.77	40325.92
G11	39966.2	39588.43	40167.22	39780.03	40295.06	39878.1	40340.58	40131.23	39988.34	40037.29
G12	39595.36	39178.09	39817.42	39385.8	39963.45	39489.31	39997.71	39816.47	39657.63	39718.8
G13	39195.84	38725.98	39427.18	38952.99	39585.63	39069.01	39619.34	39451.62	39279.86	39339.54
G14	38746.58	38243.41	38995.32	38479.34	39169.67	38608.87	39207.26	39066.21	38880.3	38935.09
G15	38270.04	37729.58	38533.58	37975.38	38717.76	38112.49	38761.14	38632.65	38443.14	38482.23
G16	37754.26	37169.78	38025.44	37435.72	38221.82	37581.25	38271.34	38174.01	37977.47	38008.58
G17	37210.41	36586.29	37488.52	36852.09	37703.4	37010.03	37755.01	37673.04	37483.48	37490.91
G18	36626.68	35961.68	36914.01	36234.25	37133.53	36394.74	37194.11	37139.21	36930.31	36951.8
G19	36008.19	35289.99	36304.6	35569.74	36530.95	35743.9	36592.43	36560.62	36328.23	36361.63
G20	35350.87	34592.48	35638.8	34880.81	35879.01	35047.88	35944.57	35955.04	35704.86	35744.89
G21	34664.48	33852.14	34963.92	34141.12	35205.38	34327.84	35270.75	35296.82	35045.39	35082.18
G22	33936.11	33083.39	34235.35	33380.64	34484.19	33572.89	34551.15	34610.23	34355.26	34381.48
G23	33173.78	32269.66	33481.15	32574.99	33734.58	32775.02	33811.46	33882.41	33617.76	33645.09
G24	32372.92	31421.58	32687.62	31726.96	32950.57	31929.58	33028.45	33132.4	32834.1	32879.27
G25	31537.0	30518.56	31866.31	30829.77	32127.22	31015.74	32211.68	32348.79	32042.81	32083.89
G26	30641.81	29578.74	30987.07	29881.38	31244.98	30062.16	31323.36	31499.81	31212.48	31243.19
G27	29710.46	28564.29	30052.44	28846.68	30298.39	29008.81	30379.46	30617.72	30315.49	30371.13
G28	28720.69	27501.17	29060.82	27769.9	29284.68	27910.4	29353.58	29662.45	29357.17	29428.22
G29	27668.79	26319.69	27998.2	26576.56	28207.9	26696.91	28260.9	28624.66	28313.7	28433.11
G30	26529.64	25060.38	26851.12	25300.45	27033.05	25406.1	27075.19	27495.09	27182.08	27342.77
G31	25288.98	23625.23	25608.07	23877.36	25776.29	23964.06	25809.65	26308.37	25970.64	26177.6
G32	23940.93	22061.54	24238.43	22295.42	24392.04	22369.51	24418.32	25016.41	24681.21	24898.6
G33	22420.27	20176.77	22722.86	20402.13	22865.05	20432.89	22875.77	23617.85	23232.2	23516.44
G34	20631.07	17848.12	20938.5	18038.22	21060.4	18056.67	21050.13	22010.89	21616.01	21932.31
G35	18472.88	14792.69	18768.64	14977.06	18852.05	14995.26	18824.03	20133.54	19637.36	20124.07
G36	15720.29	11023.99	15946.59	11169.13	16030.95	11071.95	15975.16	17746.41	17192.94	17772.58

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/25 15:20:03

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	40800.37	40629.75	40787.55	40637.98	40790.94	40651.84	40777.28	40664.95	40787.9	40696.21
G1	40898.34	40782.57	40878.79	40785.16	40864.38	40784.21	40837.91	40784.56	40826.74	40791.54
G2	40967.84	40895.1	40938.62	40879.59	40903.57	40851.42	40861.04	40833.92	40822.65	40814.33
G3	41001.59	40962.2	40959.56	40927.9	40913.05	40886.62	40851.32	40838.56	40782.02	40791.89
G4	40999.45	40974.87	40949.69	40927.6	40871.96	40863.39	40805.15	40788.25	40697.36	40716.31
G5	40967.49	40965.1	40898.89	40884.68	40800.71	40790.7	40695.67	40683.35	40566.78	40578.0
G6	40899.43	40899.04	40804.21	40795.23	40680.61	40675.52	40551.33	40536.07	40394.77	40397.37
G7	40783.11	40787.9	40660.81	40653.18	40520.46	40503.86	40355.34	40334.2	40175.05	40170.31
G8	40622.67	40629.61	40480.28	40471.25	40317.7	40290.27	40124.34	40093.09	39912.6	39897.49
G9	40413.82	40418.26	40247.89	40238.07	40068.86	40031.36	39846.74	39808.55	39606.92	39592.76
G10	40164.63	40175.2	39976.62	39969.84	39776.19	39737.75	39530.54	39490.55	39275.52	39259.66
G11	39867.13	39869.67	39657.33	39646.36	39435.21	39393.58	39170.42	39129.78	38895.8	38876.91
G12	39517.83	39529.54	39297.25	39289.83	39053.1	39031.96	38774.4	38743.69	38482.08	38470.17
G13	39125.45	39138.96	38889.32	38886.78	38635.2	38608.67	38331.26	38310.57	38028.03	38019.8
G14	38703.35	38713.67	38449.77	38448.03	38181.09	38160.6	37870.88	37857.66	37557.12	37553.48
G15	38241.67	38240.72	37965.91	37961.27	37688.35	37662.22	37371.1	37345.48	37054.41	37043.39
G16	37750.27	37741.54	37458.85	37440.8	37157.96	37140.96	36837.63	36830.84	36518.73	36514.9
G17	37231.35	37203.04	36914.3	36890.97	36591.88	36575.47	36277.32	36256.73	35967.71	35955.54
G18	36672.95	36642.23	36324.69	36295.92	35986.25	35984.41	35681.52	35665.42	35369.56	35359.69
G19	36062.69	36040.45	35705.55	35683.87	35353.11	35346.23	35038.71	35035.37	34727.3	34744.2
G20	35426.8	35410.35	35057.36	35033.57	34691.2	34695.69	34372.51	34390.26	34076.45	34115.44
G21	34758.21	34747.39	34387.42	34356.5	33998.88	34009.45	33683.73	33713.04	33411.4	33456.07
G22	34051.08	34033.33	33683.08	33649.47	33284.46	33291.25	32982.68	33002.47	32719.88	32767.94
G23	33303.71	33300.72	32932.67	32911.58	32546.17	32550.76	32225.39	32276.74	31997.34	32052.68
G24	32517.06	32519.2	32140.68	32143.17	31766.9	31788.68	31450.15	31523.49	31233.47	31312.49
G25	31698.54	31702.18	31316.88	31337.57	30957.56	30993.35	30660.8	30742.67	30443.12	30529.93
G26	30854.95	30842.19	30465.86	30480.27	30110.87	30158.19	29831.72	29905.51	29617.58	29703.13
G27	29969.82	29966.73	29569.77	29604.27	29223.75	29293.71	28961.85	29053.24	28751.95	28836.61
G28	29026.07	29041.92	28615.39	28666.74	28297.4	28367.7	28039.68	28144.93	27801.11	27906.01
G29	28014.85	28060.97	27630.55	27686.84	27295.46	27402.45	27054.64	27176.79	26814.98	26906.81
G30	26938.03	26998.95	26585.48	26632.1	26249.39	26359.13	25988.13	26114.08	25739.95	25812.44
G31	25766.47	25883.98	25444.89	25539.87	25115.63	25248.9	24846.39	25002.1	24558.42	24652.4
G32	24491.11	24655.59	24210.31	24329.02	23880.45	24023.19	23592.52	23736.31	23266.8	23351.71
G33	23073.6	23313.17	22840.52	23013.33	22508.82	22689.7	22168.79	22353.21	21791.56	21912.52
G34	21475.17	21745.24	21241.88	21480.65	20918.45	21117.29	20531.66	20710.5	20080.25	20197.26
G35	19563.52	19956.85	19339.11	19669.77	18971.51	19274.0	18512.57	18785.74	17917.47	18125.22
G36	17164.07	17652.38	16924.0	17331.29	16515.37	16856.2	15900.82	16189.2	15137.05	15373.83

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature: 7.061

Operators:

Test Date: 2025/9/25 15:20:03

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity: 1

Test Distance: 7.061 m

Remarks:

