

Report No.: KUPU-YT120-30D

Test Time: 2025/9/26 15:58:39

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: GZAILITELED
Luminaire Type: KUPU-YT120
Lamp Type:
Luminous Width: 113 mm
Luminous Length: 113 mm
Luminous Height: 35 mm

Voltage(V): 221.04 V
Current(A): 0.1130 A
Power(W): 24.53 W
Power Factor: 0.9810
Lamp Luminous Flux: 1881.64

Photometric Results

CIE Class: Direct
Luminaire Luminous Flux: 1881.644 lm
Downward Ratio: 100.00%
Luminaire Efficacy Rating(LER): 76.71 lm/W
Beam Angle(50%) C0-180,C90-270: 33.4,33.2
Field Angle(10%) C0-180,C90-270: 59.6,59.7
S/MH C0-180,C90-270: 0.573,0.536

Max. Intensity: 4757.77 cd
Max.Intensity Angle: C=180 Gamma=0
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 4757.77 cd
Effective Luminous Flux: 1462.71 lm
ERP(ϕ use)(120deg): 1715.18 lm

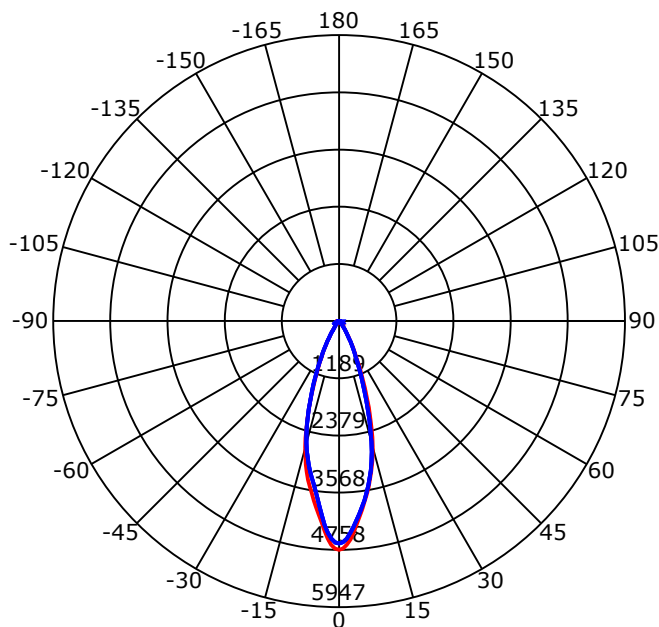
CIE Color Parameter

Chromaticity coordinates: $x=$ $y=$ $u=$ $v=$ $u^*=$ $v^*=0.0000$
Color temperature:K (duv=) Color difference:SDCM(CIE)= Main Wl: $\lambda_d=$ Purity:
Peak wavelength: $\lambda_p=$ 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



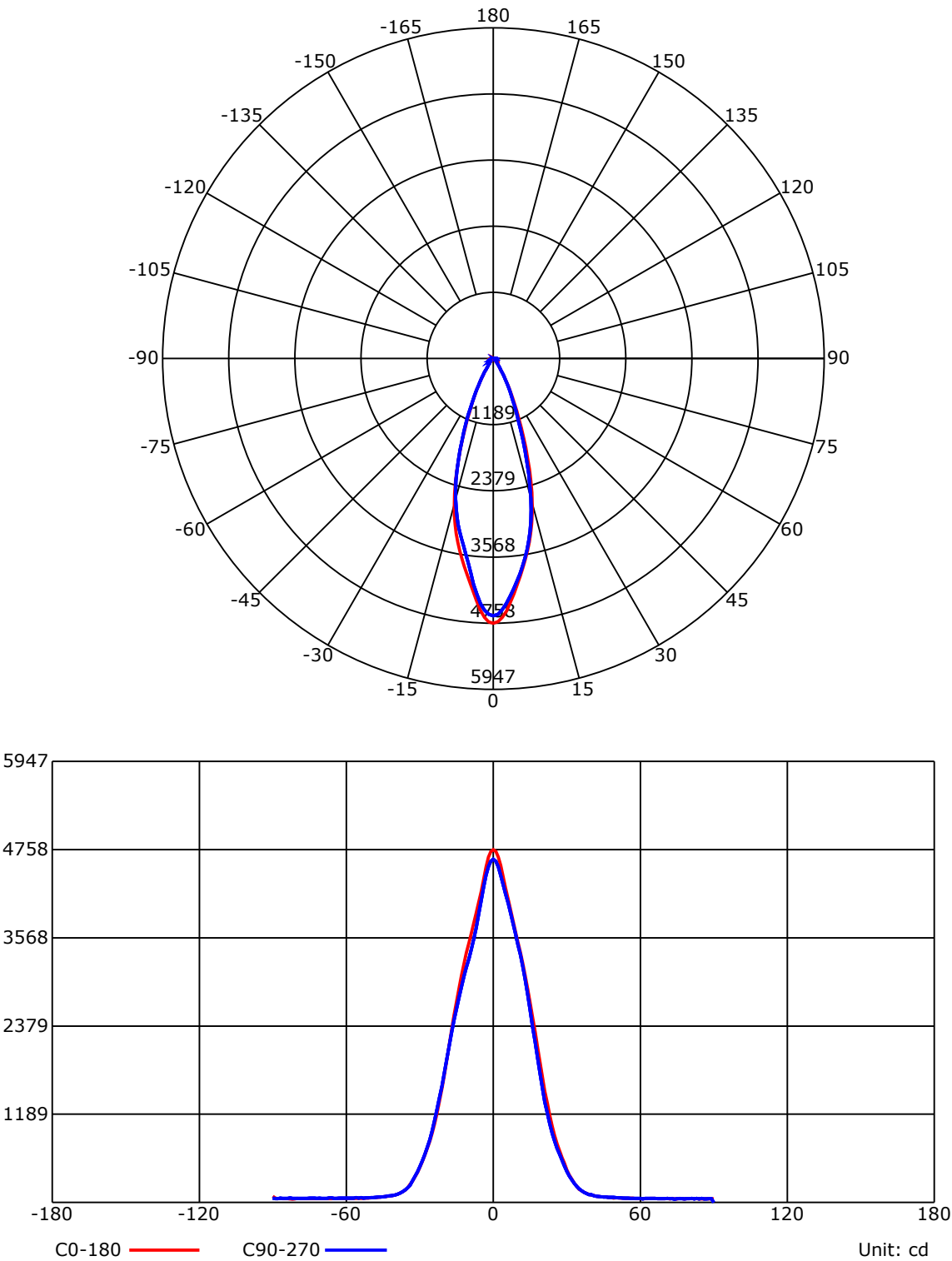
Beam Angle(50%) C0-180,C90-270: 33.4 deg,33.2 deg

C0-180 — C90-270 —

C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025/9/26 15:58:39

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

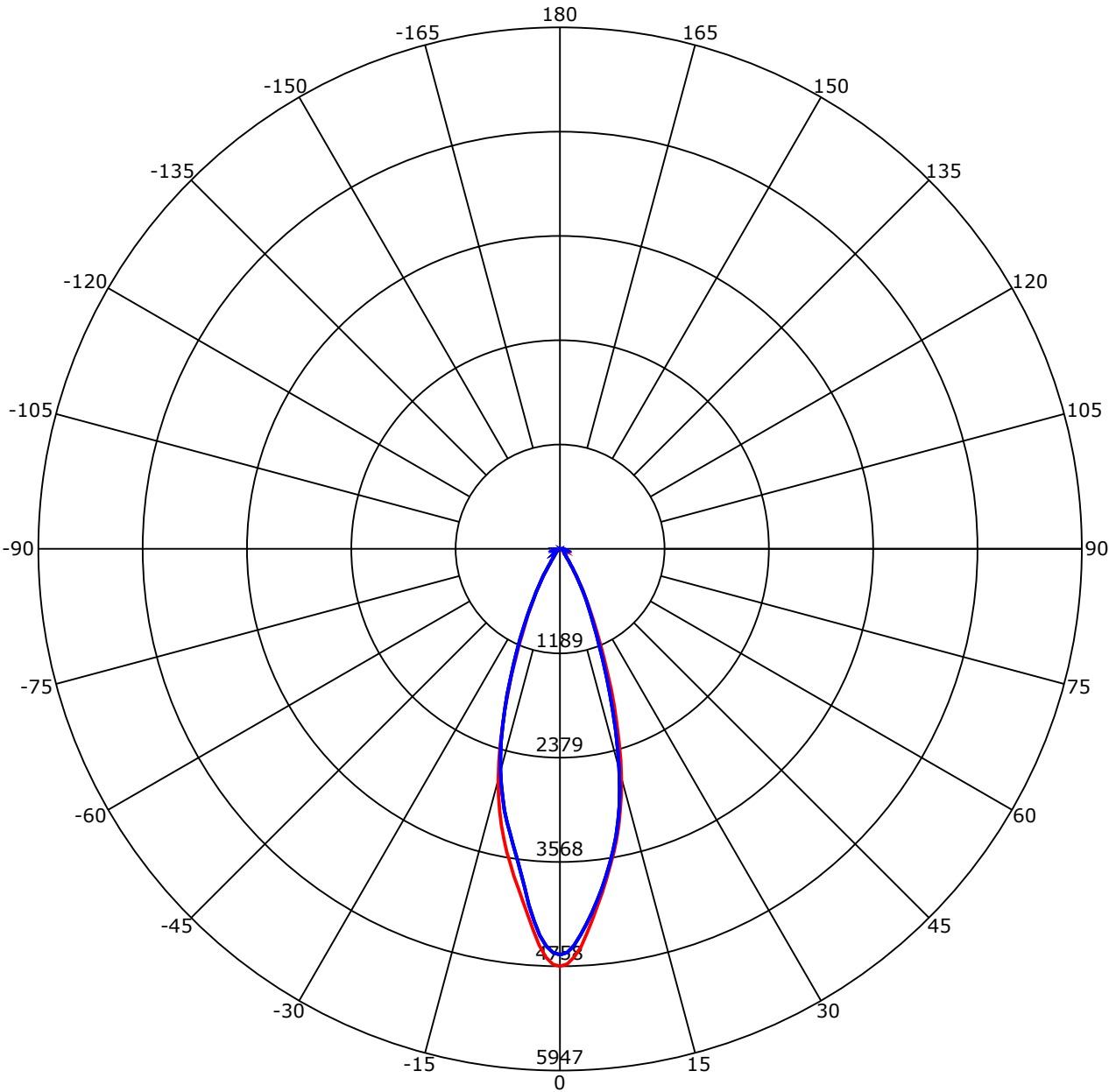
Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025/9/26 15:58:39

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

Luminous Intensity Distribution Curve



C0-180 — C90-270
Unit: cd/klm

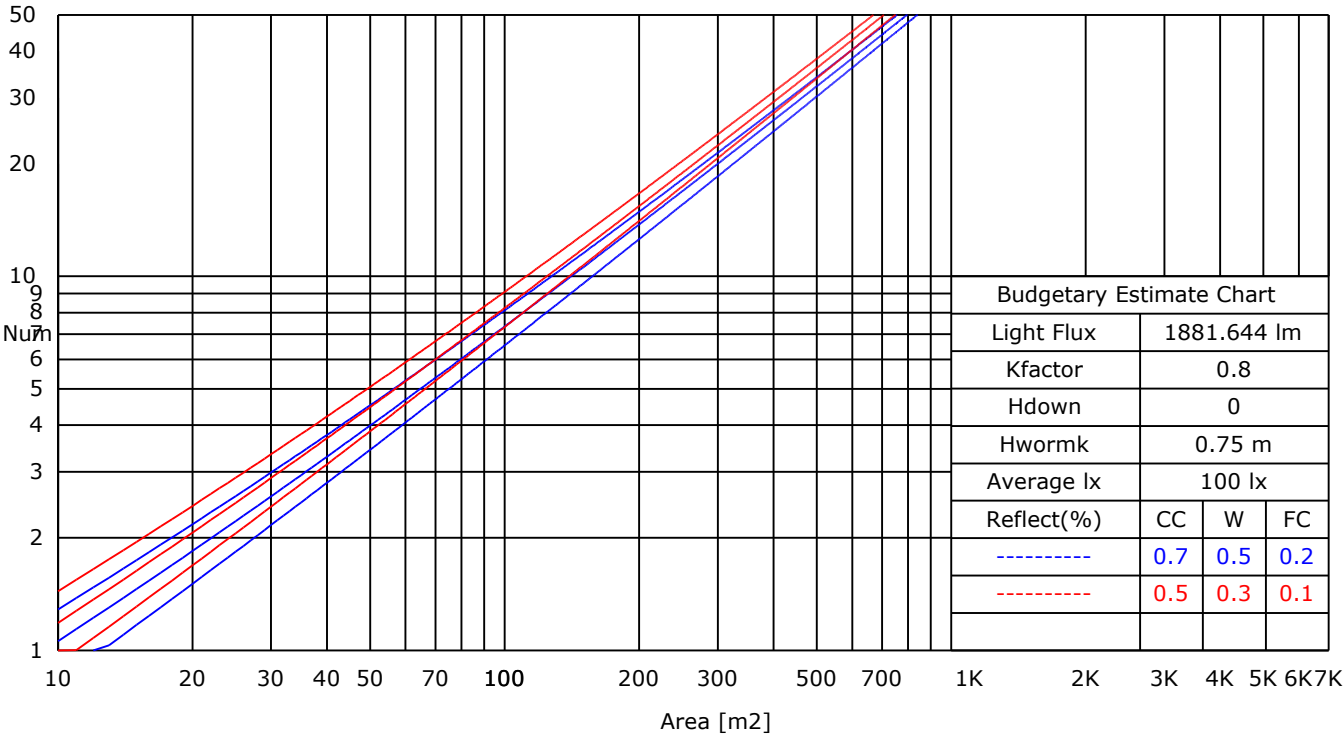
C Range: 0 - 360 Deg
C Interval: 5.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025/9/26 15:58:39

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

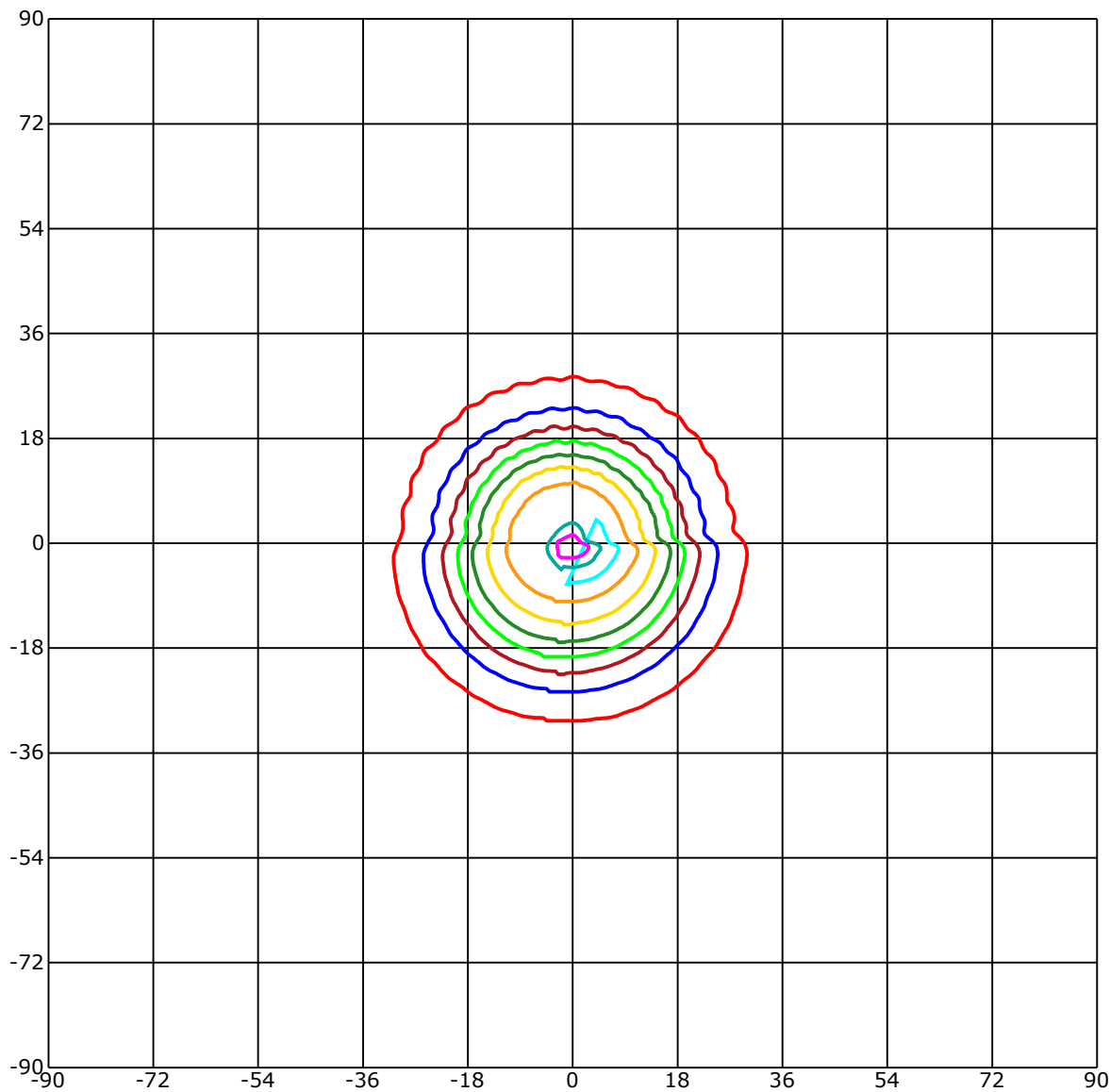
UTILIZATION FACTORS TABLE

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	1.15	1.15	1.15	1.13	1.13	1.13	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.97
1	1.11	1.10	1.09	1.09	1.08	1.07	1.05	1.04	1.03	0.99	0.98	0.97	0.92	0.91	0.90	0.85
2	1.03	1.02	1.01	1.02	1.00	0.99	0.98	0.96	0.95	0.93	0.91	0.90	0.88	0.85	0.84	0.79
3	0.97	0.95	0.95	0.96	0.94	0.93	0.92	0.90	0.88	0.89	0.86	0.84	0.84	0.81	0.78	0.74
4	0.92	0.90	0.89	0.90	0.89	0.87	0.88	0.85	0.83	0.84	0.81	0.79	0.80	0.77	0.74	0.70
5	0.87	0.85	0.85	0.86	0.84	0.83	0.83	0.81	0.79	0.80	0.77	0.75	0.77	0.73	0.70	0.66
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	0.79	0.78	0.77	0.78	0.76	0.75	0.76	0.73	0.71	0.74	0.70	0.68	0.71	0.67	0.64	0.60
8	0.76	0.74	0.74	0.75	0.73	0.72	0.73	0.70	0.68	0.71	0.67	0.65	0.68	0.64	0.61	0.58
9	0.73	0.71	0.71	0.72	0.70	0.69	0.70	0.67	0.66	0.68	0.65	0.62	0.66	0.62	0.59	0.55
10	0.70	0.69	0.68	0.69	0.67	0.66	0.68	0.65	0.63	0.66	0.62	0.60	0.64	0.59	0.56	0.53

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



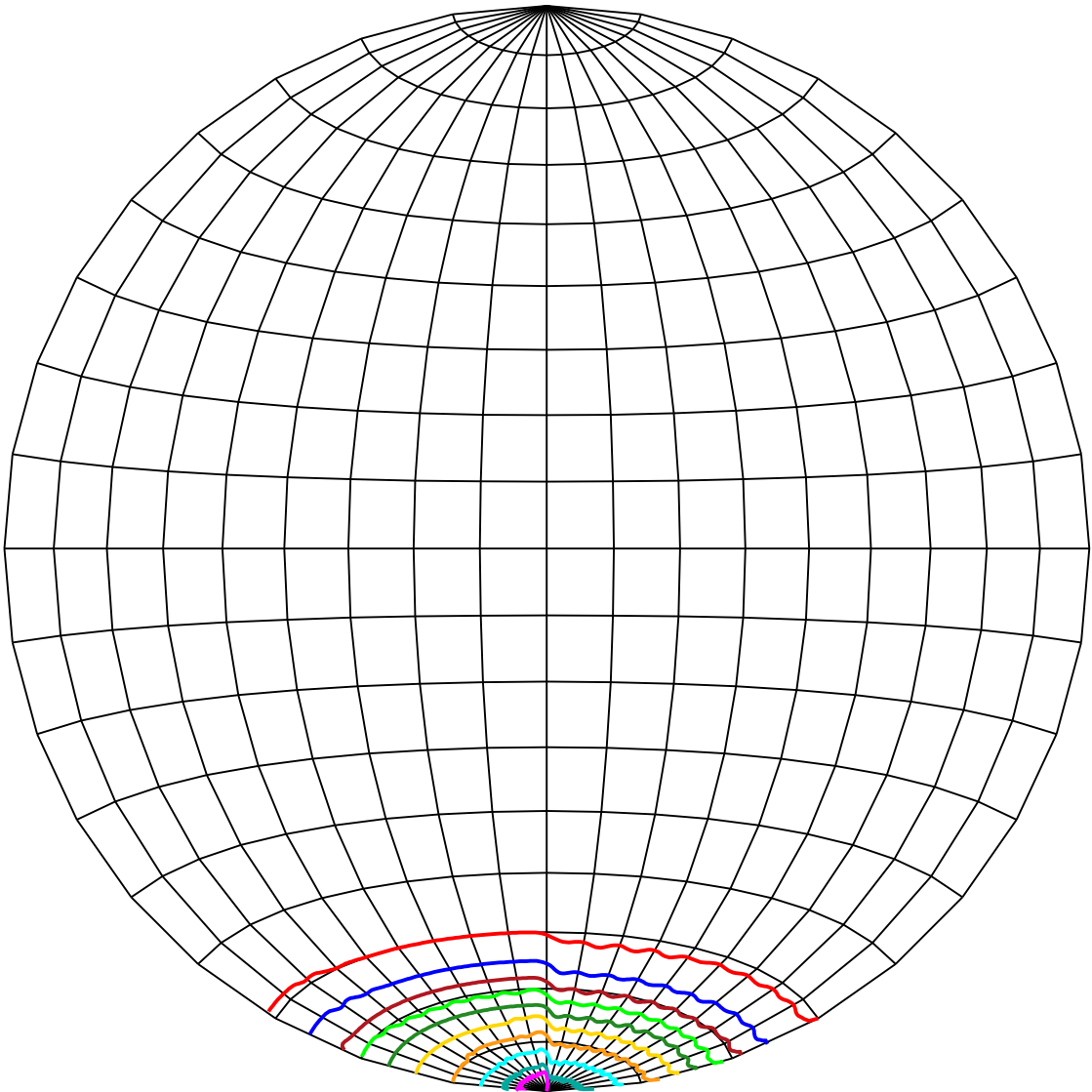
ISOCANDELA DIAGRAM (RECTANGULAR)



Unit of intensity:cd Imax(100%): 4757.772 cd

- | | |
|-------------------|-------------------|
| 4519.884(95%Imax) | 2378.886(50%Imax) |
| 4281.995(90%Imax) | 1903.109(40%Imax) |
| 3806.218(80%Imax) | 1427.332(30%Imax) |
| 3330.441(70%Imax) | 951.555(20%Imax) |
| 2854.664(60%Imax) | 475.777(10%Imax) |

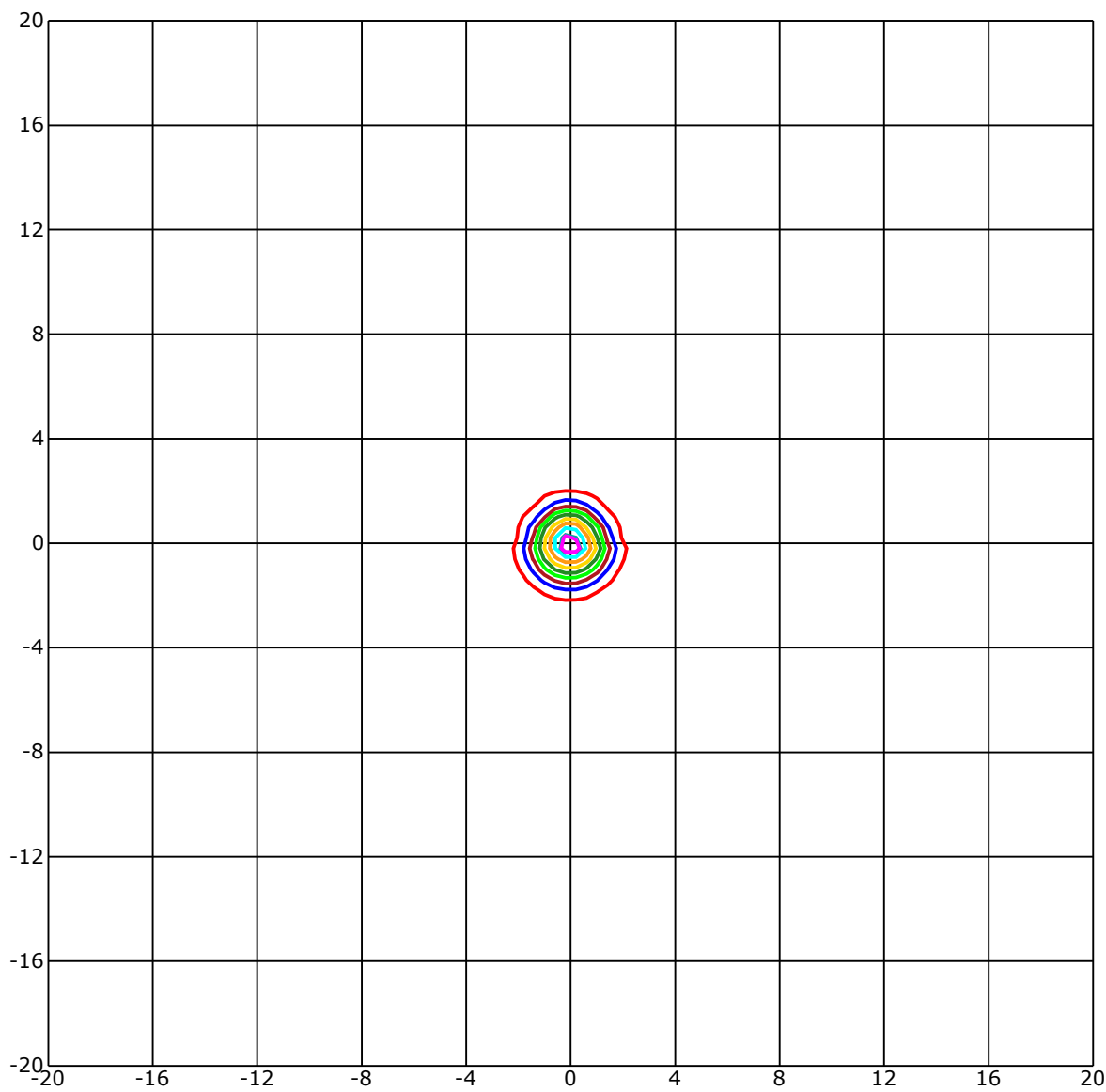
ISOCANDELA DIAGRAM (SPHERE)



Unit of intensity:cd I_{max}(100%): 4757.772 cd

- | | |
|--------------------------------|--------------------------------|
| 4519.884(95%I _{max}) | 2378.886(50%I _{max}) |
| 4281.995(90%I _{max}) | 1903.109(40%I _{max}) |
| 3806.218(80%I _{max}) | 1427.332(30%I _{max}) |
| 3330.441(70%I _{max}) | 951.555(20%I _{max}) |
| 2854.664(60%I _{max}) | 475.777(10%I _{max}) |

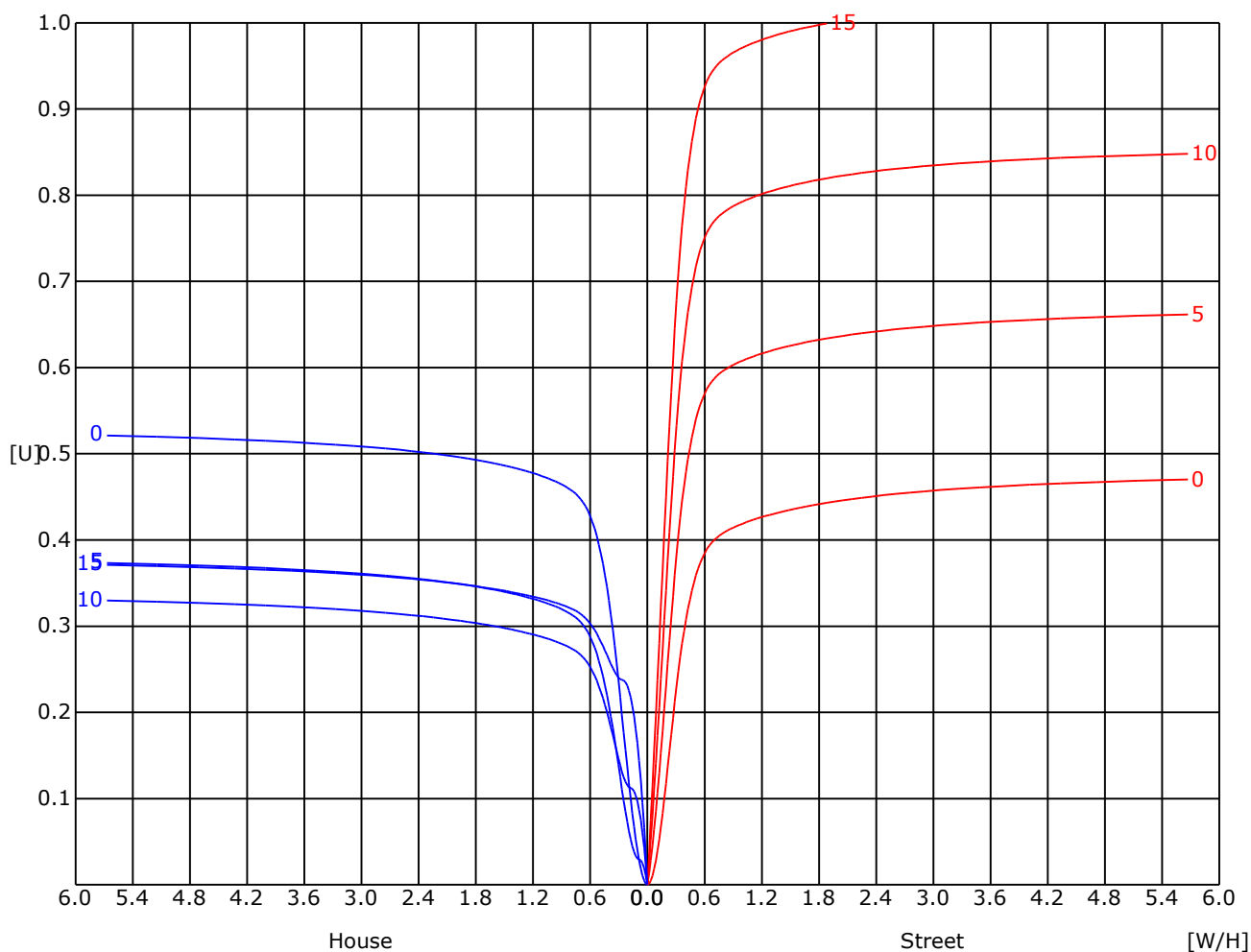
ISOLX DIAGRAM



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

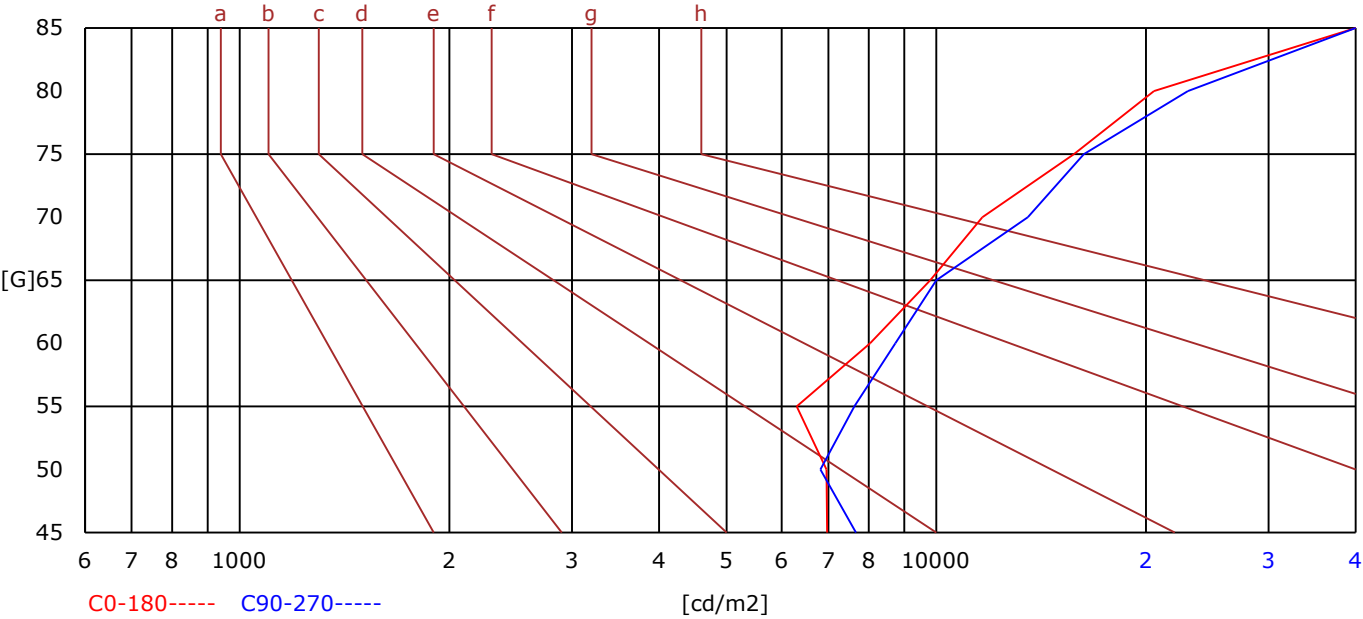
273.572(92%Emax)	148.68(50%Emax)
267.625(90%Emax)	118.944(40%Emax)
237.889(80%Emax)	89.208(30%Emax)
208.153(70%Emax)	59.472(20%Emax)
178.417(60%Emax)	29.736(10%Emax)

UTILIZATION FACTOR DIAGRAM (ROAD)

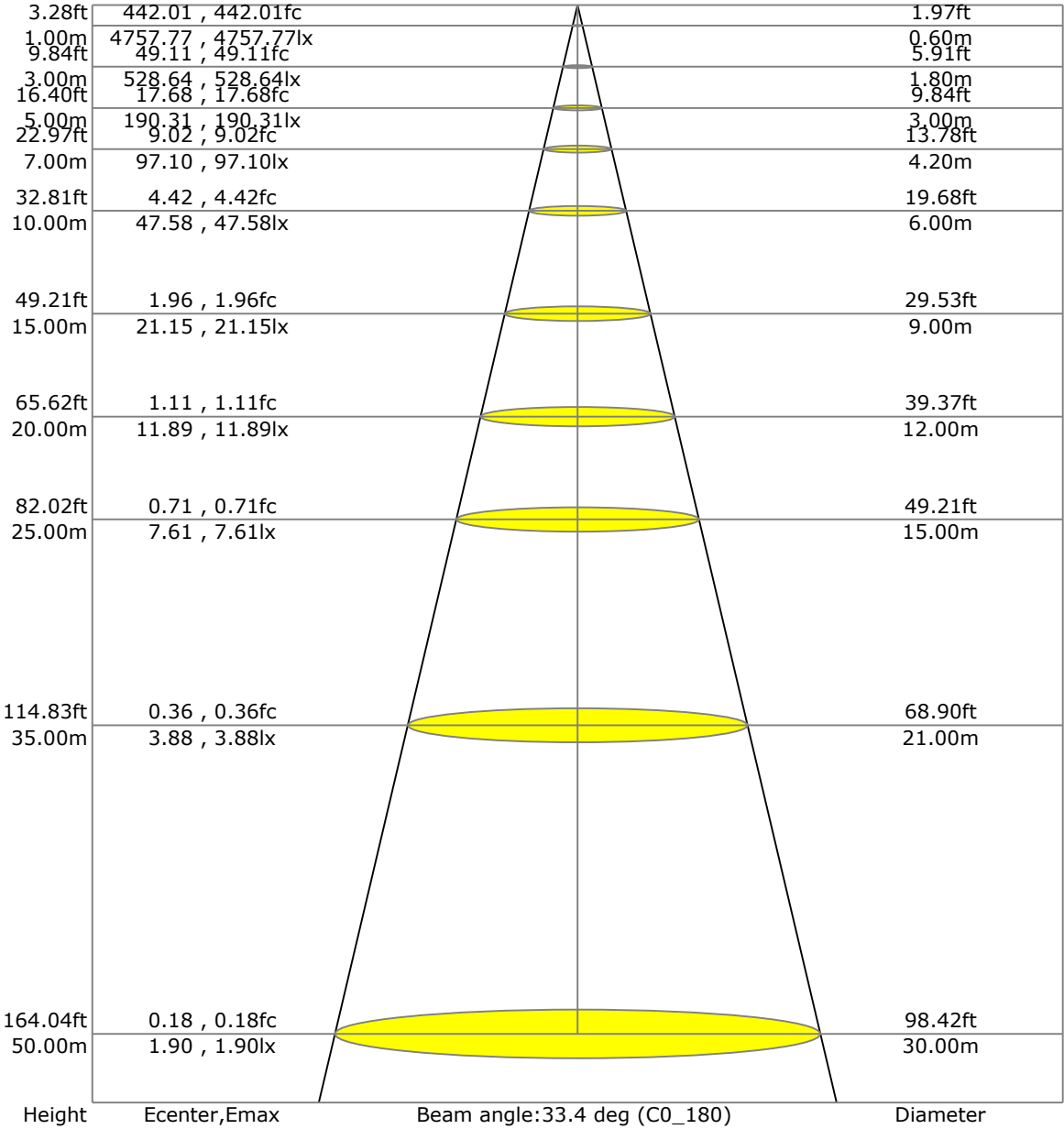


BRIGHT LIMIT DIAGRAM

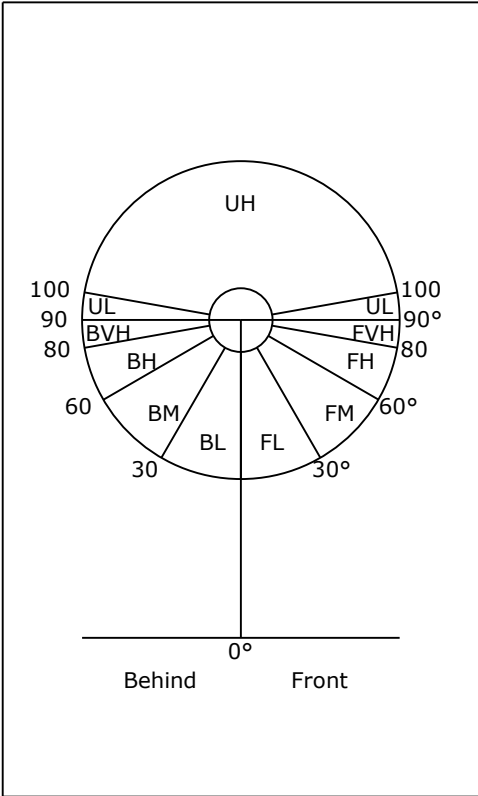
C/G	45	50	55	60	65	70	75	80	85
C0	6969	6955	6304	8036	9803	11645	15765	20529	48205
C90	7670	6822	7624	8731	9997	13528	16293	22980	44576
Dazzle	Quality	Illuminance	---	---	---	---	---	---	---
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
---	---	a	b	c	d	e	f	g	h



LX-DISTANCE DIAGRAM



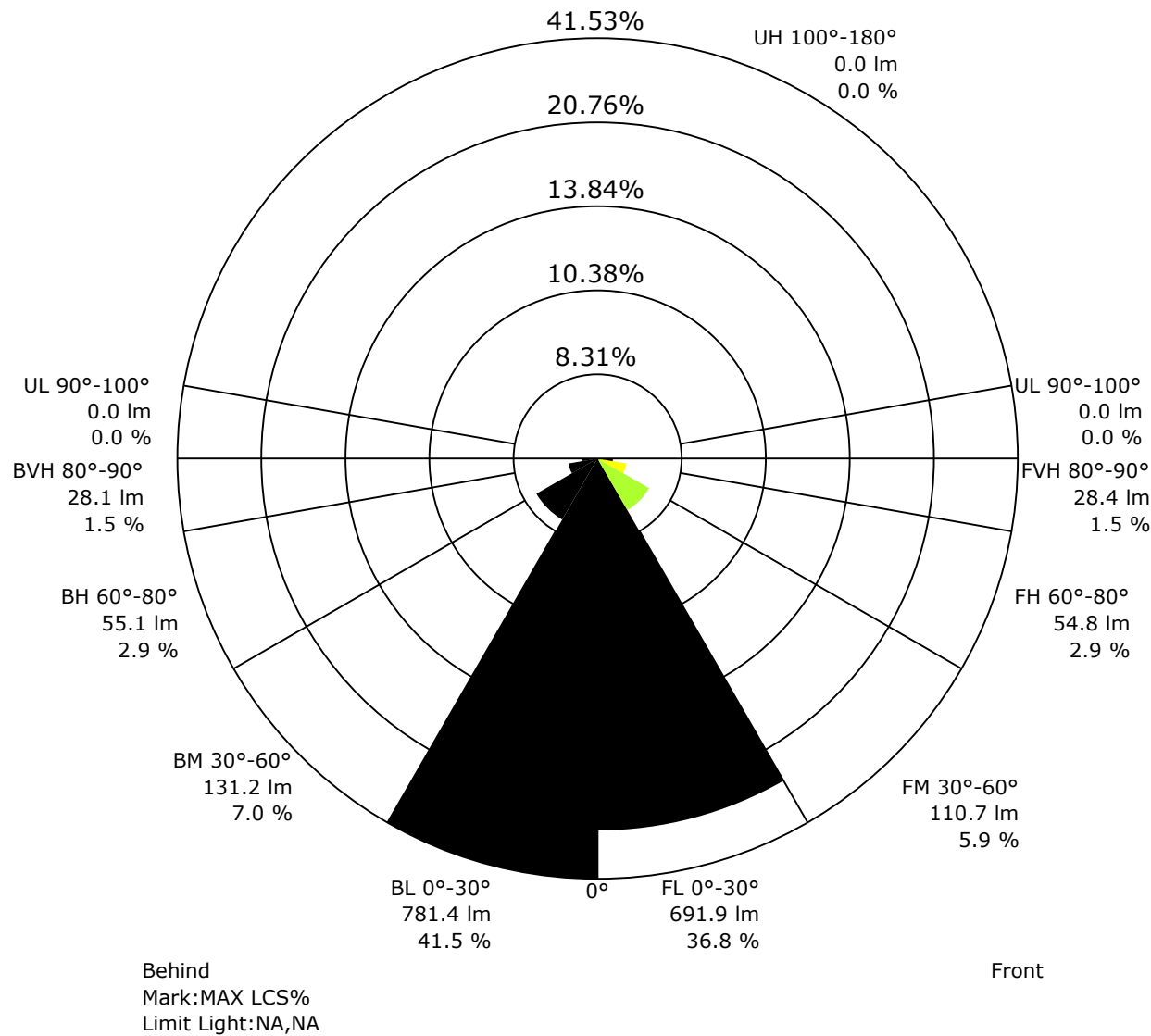
BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	885.7	47.1
FL (0°-30°)	691.9	36.8
FM (30°-60°)	110.7	5.9
FH (60°-80°)	54.8	2.9
FVH (80°-90°)	28.4	1.5
Behind	995.9	52.9
BL (0°-30°)	781.4	41.5
BM (30°-60°)	131.2	7.0
BH (60°-80°)	55.1	2.9
BVH (80°-90°)	28.1	1.5
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)	B2 U0 G1
Symmetrical Lighting Fixtures (Type V , Area Light)	B2 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	14.59	14.85	14.84	15.26	15.75	14.84	15.09	15.09	15.50	15.99
3H	14.80	15.05	15.06	15.46	15.96	15.02	15.27	15.29	15.68	16.18
4H	14.86	15.10	15.14	15.52	16.02	15.08	15.32	15.35	15.73	16.24
6H	14.86	15.09	15.14	15.51	16.02	15.05	15.29	15.34	15.70	16.22
8H	14.80	15.03	15.10	15.45	15.97	15.00	15.23	15.29	15.64	16.17
12H	14.75	14.97	15.05	15.39	15.92	14.94	15.17	15.24	15.58	16.11
4H 2H	19.13	19.37	19.41	19.79	20.29	19.21	19.46	19.49	19.87	20.38
3H	19.64	19.87	19.94	20.29	20.81	19.71	19.93	20.00	20.35	20.87
4H	19.86	20.07	20.17	20.49	21.03	19.91	20.13	20.23	20.54	21.08
6H	20.01	20.20	20.33	20.62	21.18	20.05	20.25	20.38	20.67	21.22
8H	20.05	20.23	20.38	20.66	21.22	20.09	20.28	20.43	20.70	21.26
12H	20.03	20.21	20.38	20.63	21.20	20.08	20.26	20.43	20.68	21.25
8H 4H	21.99	22.22	22.29	22.64	23.16	22.05	22.28	22.34	22.70	23.22
6H	23.66	23.83	24.02	24.25	24.83	23.67	23.83	24.02	24.26	24.84
8H	23.84	23.99	24.21	24.42	25.01	23.85	24.00	24.22	24.42	25.01
12H	23.98	24.11	24.36	24.54	25.14	23.99	24.12	24.37	24.55	25.15
12H 4H	24.56	24.74	24.91	25.16	25.73	24.44	24.62	24.79	25.04	25.62
6H	25.18	25.33	25.55	25.75	26.34	25.06	25.21	25.43	25.64	26.23

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity:
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	3516.4	3060.2	3271.8	3074.1	3291.5	3087.0	3307.5	3106.4	10	367.8	367.8	19.5	19.5
20	1701.7	1213.0	1439.2	1208.7	1437.2	1209.1	1436.3	1212.3	20	692.8	1060.6	56.4	56.4
30	441.0	281.0	365.8	282.7	364.7	288.7	371.7	291.6	30	412.7	1473.3	78.3	78.3
40	98.8	70.8	89.3	83.1	91.5	81.3	94.7	80.1	40	130.8	1604.1	85.3	85.3
50	63.3	57.1	62.3	60.3	63.7	56.8	58.9	58.1	50	58.8	1662.9	88.4	88.4
60	51.6	51.3	52.3	53.3	54.4	54.8	54.6	51.7	60	52.3	1715.2	91.2	91.2
70	50.2	50.9	50.5	54.5	52.3	54.0	53.4	51.4	70	53.7	1768.9	94.0	94.0
80	51.5	45.5	52.8	52.8	43.9	60.7	51.8	54.7	80	56.2	1825.1	97.0	97.0
90	47.9	38.3	0.0	46.0	0.0	69.7	0.0	74.2	90	56.5	1881.6	100.0	100.0

Conical surface Flux(90deg) : 1635.6 lm

%lum = 86.9%

%lamp = 86.9%

Conical surface Flux(120deg) : 1715.2 lm

%lum = 91.2%

%lamp = 91.2%

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/26 15:58:39

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

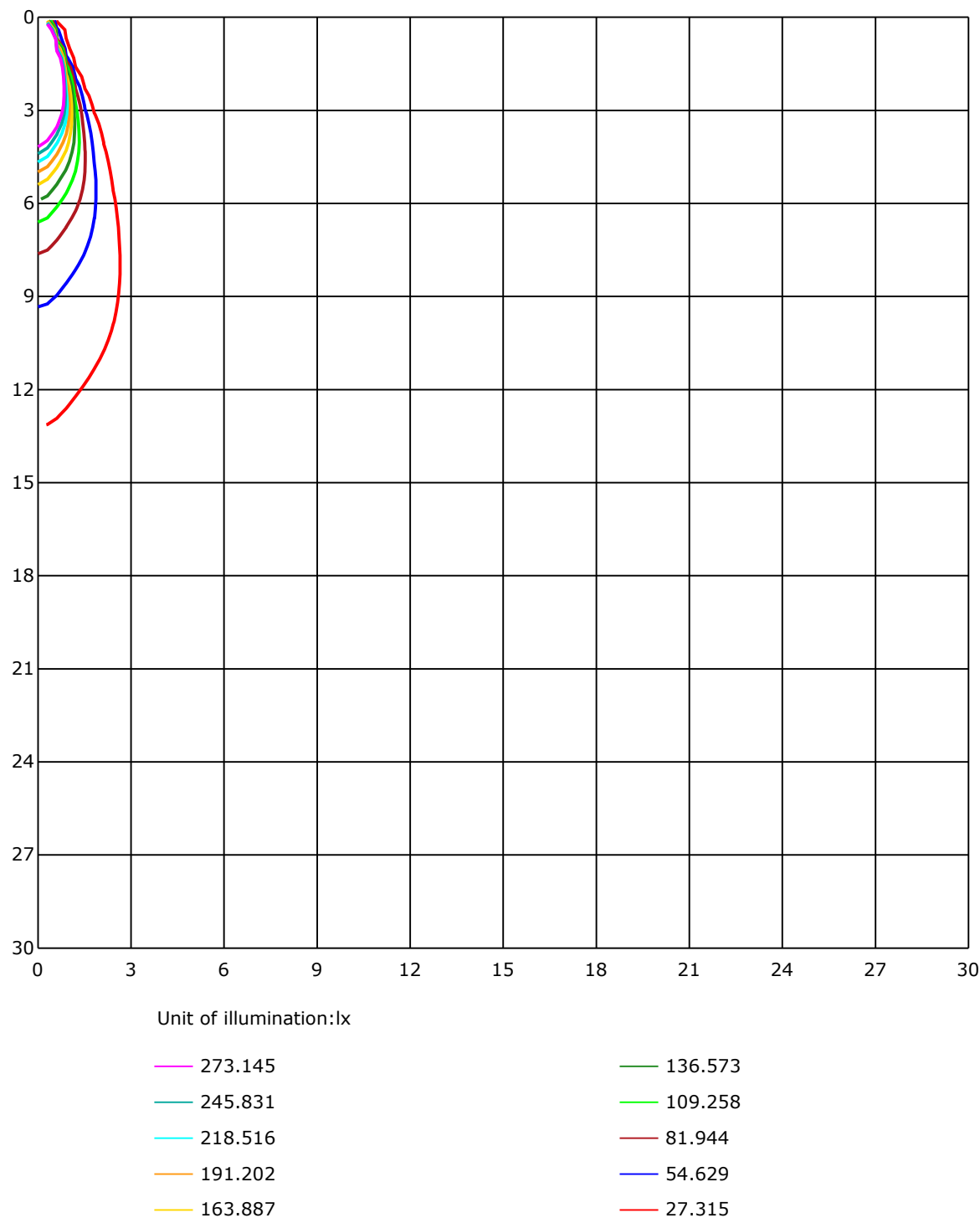
Test System: Huipu CPM-1600B Goniophotometer

Humidity:

Test Distance: 7.061 m

Remarks:

SPACE ISOLX DIAGRAM



LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C5	C10	C15	C20	C25	C30	C35	C40	C45
G0	4757.77	4518.31	4595.59	4515.17	4597.43	4518.81	4603.61	4521.45	4602.22	4523.09
G1	4731.4	4396.55	4540.29	4393.66	4546.83	4398.4	4542.69	4402.84	4547.92	4415.2
G2	4656.26	4246.13	4439.18	4249.32	4441.53	4248.08	4443.42	4260.09	4450.85	4268.22
G3	4544.43	4092.17	4296.99	4098.85	4298.08	4106.13	4306.66	4119.15	4313.69	4131.66
G4	4394.31	3932.43	4145.22	3947.24	4148.86	3958.9	4162.77	3975.26	4173.69	3998.29
G5	4241.45	3791.83	3990.66	3799.81	3996.25	3815.71	4016.64	3836.1	4037.83	3860.53
G6	4088.88	3649.49	3841.59	3657.01	3858.34	3680.65	3880.53	3696.05	3895.33	3724.67
G7	3946.14	3499.81	3700.59	3519.56	3716.3	3533.32	3735.64	3555.35	3757.68	3585.57
G8	3800.06	3359.96	3556.4	3378.76	3574.35	3403.39	3592.05	3414.41	3616.53	3443.72
G9	3657.56	3215.72	3420.44	3229.53	3436.59	3244.69	3452.95	3264.63	3477.38	3292.36
G10	3516.42	3060.22	3271.76	3074.13	3291.46	3086.99	3307.46	3106.39	3331.49	3128.92
G11	3370.63	2892.0	3127.23	2907.5	3136.2	2921.21	3153.5	2934.97	3173.59	2953.52
G12	3218.17	2714.55	2963.84	2727.62	2971.27	2738.54	2987.82	2753.64	3005.87	2764.96
G13	3053.84	2537.76	2782.91	2535.86	2806.44	2547.58	2811.73	2559.55	2828.88	2571.26
G14	2882.77	2334.59	2605.51	2337.53	2616.13	2346.45	2623.21	2356.82	2636.78	2367.54
G15	2697.1	2146.03	2412.32	2138.5	2414.11	2141.79	2425.23	2151.76	2436.75	2160.93
G16	2508.54	1945.2	2206.25	1940.11	2210.09	1941.86	2217.12	1949.69	2229.44	1965.59
G17	2306.87	1753.6	2016.35	1746.02	2013.21	1742.03	2016.8	1747.56	2026.82	1755.74
G18	2097.91	1571.57	1818.26	1557.06	1814.07	1552.82	1813.53	1556.61	1819.71	1563.49
G19	1897.88	1381.21	1626.16	1373.53	1621.42	1373.48	1619.73	1375.28	1627.51	1385.05
G20	1701.69	1212.99	1439.24	1208.7	1437.25	1209.15	1436.25	1212.34	1432.11	1211.29
G21	1504.76	1059.63	1266.44	1060.13	1260.8	1057.23	1270.08	1068.85	1269.03	1061.47
G22	1337.68	931.49	1119.85	919.48	1112.18	925.71	1114.12	930.44	1113.52	935.33
G23	1174.1	820.26	975.12	818.22	977.81	806.5	975.37	819.31	979.11	823.5
G24	1027.67	722.89	860.0	719.9	857.6	705.19	853.27	707.48	860.94	728.07
G25	904.62	637.58	760.63	631.7	762.52	617.34	746.07	617.29	758.78	630.25
G26	793.93	556.06	671.88	551.43	659.77	539.11	652.59	541.75	668.54	560.5
G27	694.92	476.09	592.51	471.35	576.31	466.67	572.82	467.42	582.54	482.97
G28	605.12	402.2	511.69	399.66	499.03	403.4	497.78	404.05	500.92	409.93
G29	529.49	336.54	433.66	336.64	429.03	342.57	422.34	334.45	436.11	346.36
G30	440.99	281.05	365.76	282.74	364.66	288.73	371.74	291.57	373.68	293.91
G31	372.84	235.78	306.08	235.68	309.32	239.62	304.68	244.45	319.09	244.5
G32	315.0	193.95	255.32	198.43	260.36	200.53	263.35	203.92	270.48	207.01
G33	261.5	164.58	208.41	167.37	219.72	168.47	219.62	171.06	226.85	174.9
G34	221.87	140.9	178.59	144.14	185.32	143.84	184.82	144.69	187.32	149.32
G35	178.14	122.85	155.36	126.49	158.5	130.43	163.53	126.84	161.24	129.08
G36	160.59	109.59	133.22	114.72	136.71	110.39	135.86	111.83	137.86	115.22

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/26 15:58:39

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity:

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	138.6	99.87	117.66	92.29	120.81	100.46	119.71	100.56	121.2	104.7
G38	121.85	92.88	105.3	96.82	108.24	92.69	108.09	92.34	108.99	96.87
G39	108.69	80.12	96.33	89.15	98.77	85.06	98.82	85.46	108.09	91.79
G40	98.77	70.8	89.3	83.11	91.54	81.32	94.73	80.12	92.49	74.94
G41	95.38	77.48	83.71	78.33	85.16	76.63	86.4	82.66	87.0	82.61
G42	84.41	73.19	79.17	74.24	80.57	73.69	81.62	71.35	81.82	78.13
G43	79.07	68.7	74.54	70.5	76.28	71.65	70.35	68.9	78.18	74.04
G44	74.89	65.66	71.99	67.71	72.99	68.85	74.49	66.71	75.34	71.4
G45	71.1	62.92	69.55	73.29	71.94	55.59	71.3	65.36	73.19	68.26
G46	75.19	61.13	67.26	71.65	68.21	64.12	60.53	64.17	71.05	66.36
G47	66.56	59.33	55.24	69.15	67.81	60.98	64.86	62.87	57.79	64.07
G48	65.06	58.28	65.41	61.03	55.49	59.18	62.42	61.47	57.09	62.97
G49	59.78	57.19	63.72	60.63	65.31	57.88	66.41	60.13	66.21	61.62
G50	63.32	57.09	62.27	60.33	63.72	56.84	58.88	58.08	64.47	60.83
G51	62.22	56.64	58.88	60.93	61.28	63.27	57.54	56.94	61.37	67.21
G52	60.18	56.99	57.83	60.63	59.98	55.19	63.97	55.29	60.03	65.51
G53	58.73	56.64	56.39	59.88	61.47	54.49	55.94	54.2	58.73	59.13
G54	56.64	56.39	61.18	58.43	56.69	54.49	55.39	59.83	57.69	60.08
G55	55.14	46.17	54.15	57.19	55.59	54.59	54.59	52.75	65.01	60.18
G56	58.58	49.06	53.6	56.04	54.94	54.94	55.34	51.9	56.49	59.83
G57	59.28	53.4	52.9	55.14	54.39	55.54	55.39	59.53	56.19	59.33
G58	52.4	56.74	52.55	54.2	60.08	55.94	55.64	51.6	56.04	58.83
G59	52.3	51.65	52.55	53.6	54.39	55.39	55.19	51.6	55.89	57.93
G60	51.55	51.3	52.3	53.3	54.44	54.79	54.59	51.65	55.99	57.39
G61	51.65	51.1	53.2	53.05	54.84	53.85	53.3	54.64	56.59	56.59
G62	51.9	51.15	53.6	53.1	55.69	52.7	56.84	49.11	48.66	55.19
G63	51.45	51.25	43.63	53.35	55.99	56.29	51.65	46.42	57.79	54.99
G64	53.15	55.84	48.56	53.55	56.44	51.85	51.45	44.32	57.88	54.74
G65	53.6	52.9	53.5	54.54	56.04	51.65	51.1	42.78	57.93	54.2
G66	53.3	54.44	48.66	48.11	51.05	51.8	58.23	48.19	57.04	54.44
G67	52.8	54.64	54.84	55.79	54.25	59.28	51.25	53.6	56.14	54.44
G68	51.95	54.2	51.05	55.54	56.79	58.93	51.65	52.85	55.24	54.44
G69	50.61	53.75	57.88	55.29	58.88	53.0	52.2	52.0	54.39	54.89
G70	50.16	50.85	50.46	54.49	52.3	54.0	53.4	51.35	54.25	57.14
G71	54.59	52.8	50.21	51.15	60.13	54.84	54.15	51.6	61.77	55.99
G72	49.31	52.65	50.41	53.45	52.1	55.59	54.74	51.4	61.82	56.69
G73	56.69	52.0	54.74	52.45	52.3	55.54	54.44	51.15	53.5	57.69

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/26 15:58:39

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity:

Test Distance: 7.061 m

Remarks:

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 3)

Gamma\C	C50	C55	C60	C65	C70	C75	C80	C85	C90	C95
G0	4611.49	4533.86	4610.99	4544.58	4622.61	4562.83	4621.96	4580.53	4627.3	4586.81
G1	4560.44	4421.28	4564.42	4437.39	4580.53	4452.39	4586.51	4476.92	4601.42	4498.86
G2	4457.78	4286.72	4470.74	4309.1	4488.34	4337.52	4506.54	4358.61	4524.24	4382.59
G3	4327.05	4152.75	4342.16	4165.81	4368.63	4209.09	4396.8	4233.82	4409.67	4257.45
G4	4189.99	4017.44	4210.73	4037.28	4237.06	4076.47	4261.59	4106.83	4287.37	4130.71
G5	4054.88	3886.91	4079.26	3916.87	4110.92	3952.47	4136.6	3977.7	4162.87	4001.18
G6	3919.02	3751.64	3950.38	3783.9	3981.49	3818.45	4009.36	3845.08	4035.33	3866.12
G7	3786.49	3622.41	3819.3	3642.36	3848.02	3680.75	3879.13	3707.32	3903.06	3727.01
G8	3646.1	3467.5	3680.95	3495.28	3714.05	3534.91	3741.57	3566.27	3766.75	3584.02
G9	3504.35	3315.64	3538.05	3342.26	3570.51	3394.36	3602.97	3419.24	3627.4	3440.43
G10	3354.13	3153.25	3384.59	3182.52	3419.04	3228.19	3457.48	3267.33	3481.91	3288.07
G11	3197.28	2982.69	3233.87	3012.2	3264.14	3064.41	3304.92	3098.36	3336.13	3127.72
G12	3027.66	2791.48	3057.72	2831.57	3097.01	2874.1	3140.54	2912.94	3174.44	2949.43
G13	2842.74	2587.17	2875.74	2625.91	2927.5	2675.22	2962.2	2712.56	3000.79	2752.55
G14	2651.48	2387.44	2689.67	2416.45	2722.23	2463.72	2771.14	2500.66	2806.24	2538.76
G15	2450.81	2168.96	2474.14	2206.1	2514.72	2251.18	2554.56	2286.67	2597.04	2323.52
G16	2241.6	1962.75	2262.24	1998.0	2299.89	2039.93	2348.6	2073.28	2378.01	2108.13
G17	2030.56	1771.94	2055.53	1793.53	2090.78	1830.98	2126.33	1866.08	2167.32	1896.14
G18	1834.07	1578.45	1850.97	1599.09	1873.35	1630.3	1915.68	1662.86	1952.63	1693.22
G19	1637.83	1393.67	1646.9	1412.37	1683.05	1441.19	1711.32	1469.66	1747.02	1499.22
G20	1447.42	1224.95	1467.86	1245.4	1492.64	1270.38	1517.62	1294.46	1550.18	1320.08
G21	1274.01	1070.84	1297.3	1091.29	1321.23	1113.32	1341.62	1133.27	1357.08	1149.92
G22	1115.92	941.51	1137.7	962.3	1159.74	974.97	1177.84	995.41	1202.97	1015.7
G23	981.7	828.14	999.65	833.72	1017.1	853.61	1025.17	879.74	1057.63	896.14
G24	865.78	730.96	878.09	731.01	889.36	749.01	914.19	776.43	932.24	790.69
G25	768.56	643.46	781.32	642.12	779.97	658.87	807.45	684.55	827.09	697.61
G26	682.25	565.14	688.93	565.19	684.25	581.54	709.18	602.88	731.91	623.77
G27	602.23	489.1	597.4	494.04	604.13	508.3	625.71	525.15	649.2	534.42
G28	524.7	421.55	522.36	431.77	529.54	444.23	546.24	452.06	568.03	461.83
G29	438.0	360.57	454.85	371.89	463.68	381.56	474.3	386.45	490.6	400.96
G30	369.4	304.83	396.02	317.34	402.15	326.52	417.86	327.32	418.41	338.09
G31	322.58	254.87	335.59	264.55	345.07	275.36	357.83	277.61	355.73	286.33
G32	272.62	216.88	286.18	222.96	292.27	229.69	298.25	233.68	301.44	242.46
G33	228.35	183.23	241.81	187.32	246.25	191.95	250.73	185.32	255.22	203.87
G34	192.8	156.2	203.32	158.65	195.74	162.39	210.3	166.92	216.08	172.86
G35	172.46	135.01	160.69	135.11	176.5	139.3	178.44	141.9	184.47	137.01
G36	142.04	118.96	148.93	126.54	151.32	122.6	154.41	123.1	159.0	126.79

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/26 15:58:39

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity:

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	4635.87	4600.77	4644.5	4619.07	4653.62	4628.69	4668.03	4643.15	4678.55	4666.53
G1	4608.2	4516.26	4621.91	4537.25	4640.81	4554.1	4654.77	4560.29	4675.91	4582.37
G2	4542.44	4401.44	4557.54	4409.72	4575.49	4425.22	4592.35	4448.71	4609.25	4455.49
G3	4433.4	4270.51	4451.1	4286.17	4470.49	4296.19	4477.27	4312.49	4497.27	4312.39
G4	4310.2	4152.05	4326.55	4167.61	4344.35	4175.53	4352.88	4178.83	4358.91	4173.14
G5	4181.02	4010.85	4203.06	4039.62	4209.59	4046.15	4211.73	4049.1	4221.65	4043.21
G6	4053.48	3885.96	4071.63	3901.87	4090.93	3911.14	4094.52	3918.92	4088.73	3922.71
G7	3921.11	3738.78	3941.95	3765.85	3958.25	3779.81	3960.9	3784.9	3961.3	3787.69
G8	3783.75	3602.82	3803.85	3618.27	3818.55	3639.96	3824.49	3644.75	3830.22	3648.14
G9	3641.36	3457.18	3663.6	3472.44	3679.7	3497.07	3688.97	3503.8	3693.96	3510.28
G10	3496.77	3307.01	3517.36	3325.36	3534.66	3344.16	3546.78	3356.47	3555.8	3364.35
G11	3351.83	3145.87	3368.94	3169.8	3388.78	3196.93	3402.04	3199.12	3413.06	3200.22
G12	3195.53	2971.47	3216.12	3002.43	3236.96	3026.31	3248.63	3043.32	3260.55	3047.55
G13	3028.01	2778.07	3049.2	2809.88	3072.83	2834.91	3086.79	2849.92	3102.5	2866.97
G14	2839.4	2570.42	2862.73	2597.24	2889.95	2633.73	2908.35	2650.44	2926.15	2669.63
G15	2633.88	2355.98	2662.55	2383.35	2692.67	2421.84	2713.31	2441.63	2733.9	2461.58
G16	2415.11	2139.84	2446.97	2178.63	2480.57	2206.35	2501.61	2229.59	2524.3	2248.93
G17	2202.47	1926.6	2233.08	1963.15	2266.53	1993.96	2291.81	2015.85	2311.25	2034.44
G18	1986.28	1721.59	2021.13	1753.55	2046.11	1784.71	2075.48	1808.89	2096.87	1826.24
G19	1777.98	1527.34	1807.99	1555.41	1840.8	1583.08	1867.27	1608.41	1891.55	1626.01
G20	1579.49	1351.99	1608.71	1374.38	1638.13	1395.57	1653.23	1420.05	1682.0	1441.29
G21	1395.02	1178.64	1427.28	1208.15	1450.46	1223.61	1466.52	1246.19	1492.49	1269.28
G22	1226.1	1044.12	1260.25	1061.27	1277.55	1073.19	1294.86	1095.08	1313.95	1114.97
G23	1078.87	915.49	1109.83	940.37	1123.84	945.45	1136.26	956.07	1155.9	973.02
G24	950.14	800.81	972.13	816.47	987.93	836.91	1000.45	852.32	1015.95	856.21
G25	845.84	700.75	851.97	714.11	880.64	740.04	887.67	750.76	898.39	749.51
G26	738.39	615.49	745.72	629.4	777.43	653.63	795.88	661.01	790.94	659.37
G27	650.09	536.77	654.38	550.53	677.97	573.66	697.61	577.6	696.51	577.25
G28	569.52	467.77	582.44	481.48	593.56	496.63	614.2	498.98	612.2	503.71
G29	498.48	404.84	502.67	417.46	516.78	424.09	534.18	425.64	532.73	434.71
G30	432.27	346.21	437.0	358.73	447.27	360.37	455.9	360.52	460.49	373.09
G31	373.14	292.66	378.12	303.38	384.75	303.43	387.24	313.85	395.02	318.54
G32	318.09	244.05	320.83	254.42	330.31	251.13	328.76	262.3	334.25	261.06
G33	267.39	204.57	272.27	212.19	280.65	210.6	276.86	213.19	282.84	217.33
G34	225.71	171.91	227.05	178.69	236.08	176.95	232.94	180.19	235.18	182.88
G35	188.76	146.18	192.45	152.17	198.58	149.47	196.89	151.02	196.59	155.11
G36	168.77	128.28	164.13	140.1	167.67	128.73	164.43	131.57	165.43	134.42

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/26 15:58:39

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity:

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	4702.18	4679.05	4716.49	4702.38	4734.99	4712.55	4757.77	4518.31	4595.59	4515.17
G1	4683.58	4590.4	4706.42	4599.42	4719.98	4611.14	4734.49	4592.79	4599.13	4589.85
G2	4618.72	4458.23	4625.5	4462.07	4646.19	4472.44	4657.41	4599.13	4553.76	4597.78
G3	4507.74	4311.2	4509.93	4305.91	4513.32	4303.42	4524.49	4539.2	4461.87	4539.2
G4	4360.01	4167.21	4360.11	4155.89	4352.63	4144.37	4360.26	4422.53	4330.79	4420.88
G5	4217.52	4033.84	4210.88	4016.79	4201.91	3997.34	4195.13	4264.58	4178.08	4260.69
G6	4083.65	3906.2	4069.54	3886.26	4056.72	3861.68	4041.27	4099.95	4024.86	4092.17
G7	3947.49	3774.98	3938.91	3757.13	3920.01	3737.93	3902.16	3940.21	3876.19	3925.25
G8	3827.13	3639.31	3808.23	3611.54	3790.28	3599.13	3767.75	3799.31	3741.17	3778.52
G9	3691.91	3498.82	3675.56	3472.79	3657.46	3463.17	3633.03	3674.02	3611.0	3642.31
G10	3550.47	3347.45	3535.31	3339.47	3519.46	3320.72	3503.15	3538.85	3486.55	3513.82
G11	3409.17	3199.97	3393.82	3190.15	3378.36	3163.52	3365.75	3408.37	3354.33	3382.5
G12	3256.41	3039.18	3246.04	3025.27	3229.28	3013.8	3217.12	3276.4	3221.86	3252.37
G13	3100.5	2869.21	3091.53	2850.37	3082.95	2831.67	3063.96	3133.76	3082.25	3115.76
G14	2927.15	2671.03	2921.01	2663.0	2905.46	2658.16	2896.83	2992.76	2937.02	2973.91
G15	2738.04	2464.32	2735.24	2463.87	2725.37	2464.57	2718.14	2835.11	2790.54	2817.71
G16	2532.17	2256.31	2535.22	2259.75	2529.83	2260.65	2528.83	2667.09	2620.87	2653.18
G17	2325.46	2046.66	2329.55	2054.39	2332.15	2060.07	2331.0	2482.42	2426.58	2471.4
G18	2114.42	1842.89	2121.3	1861.89	2129.27	1857.7	2128.28	2293.16	2238.96	2289.27
G19	1905.51	1645.31	1917.08	1655.13	1926.15	1660.01	1925.75	2098.66	2047.01	2106.19
G20	1702.54	1459.68	1716.85	1466.81	1722.29	1474.69	1727.32	1909.95	1853.66	1907.11
G21	1516.07	1287.88	1526.34	1291.46	1534.92	1296.65	1542.65	1713.01	1667.09	1719.24
G22	1340.82	1131.82	1346.71	1127.93	1353.64	1140.94	1364.76	1530.83	1486.41	1538.01
G23	1180.83	989.97	1184.22	999.1	1193.0	1003.89	1203.02	1357.43	1321.08	1365.55
G24	1033.95	865.98	1041.83	872.11	1050.95	887.02	1060.42	1201.87	1169.36	1208.65
G25	904.67	756.09	929.55	781.27	932.34	783.26	937.33	1059.38	1025.42	1067.5
G26	790.24	667.99	809.49	688.88	819.51	690.83	823.8	930.64	898.49	938.17
G27	703.14	580.34	719.0	602.78	730.22	603.88	724.83	814.28	784.81	825.49
G28	610.16	506.55	624.52	519.62	642.72	521.91	633.84	717.45	685.29	712.27
G29	534.67	444.88	544.45	438.9	563.79	444.48	551.63	632.15	599.34	633.09
G30	463.98	373.28	468.91	371.14	472.95	375.43	474.6	550.08	519.72	549.08
G31	401.3	313.36	402.2	310.81	406.54	316.7	404.94	476.84	446.33	473.4
G32	340.08	261.65	331.01	265.89	333.5	261.7	343.07	408.58	384.05	404.94
G33	286.43	218.63	288.08	215.93	286.58	217.13	286.28	346.91	323.53	344.47
G34	238.92	177.89	239.82	181.83	231.39	183.03	244.6	291.27	270.88	289.32
G35	190.21	156.15	199.68	153.56	199.93	153.36	198.53	243.36	224.11	241.51
G36	171.31	134.77	166.77	135.11	166.72	132.62	167.62	203.47	188.66	201.72

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/26 15:58:39

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity:

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	4597.43	4518.81	4603.61	4521.45	4602.22	4523.09	4611.49	4533.86	4610.99	4544.58
G1	4605.51	4594.44	4592.99	4595.64	4607.35	4595.29	4599.03	4603.96	4605.11	4609.1
G2	4549.92	4602.82	4542.94	4604.36	4560.93	4604.46	4534.51	4599.03	4549.82	4615.83
G3	4456.23	4541.54	4444.37	4543.88	4464.01	4542.79	4424.62	4545.58	4446.11	4539.94
G4	4325.41	4420.09	4307.86	4418.99	4328.15	4418.84	4275.8	4416.25	4297.24	4405.73
G5	4169.8	4255.06	4151.35	4247.23	4160.98	4244.39	4121.04	4235.46	4121.14	4231.62
G6	4012.1	4079.81	3988.47	4076.07	3986.57	4058.02	3948.93	4043.21	3947.19	4029.9
G7	3857.24	3914.43	3830.67	3884.42	3818.01	3869.31	3777.22	3848.62	3772.24	3826.38
G8	3718.89	3751.34	3688.47	3726.17	3666.49	3702.88	3627.15	3677.06	3612.94	3654.67
G9	3587.56	3611.0	3554.61	3578.49	3534.36	3551.76	3490.29	3528.13	3469.7	3497.47
G10	3461.97	3481.12	3425.28	3448.21	3396.76	3415.9	3364.7	3385.19	3336.43	3364.75
G11	3334.43	3350.59	3303.62	3317.48	3266.23	3282.58	3229.58	3255.51	3214.83	3238.46
G12	3201.81	3222.8	3172.75	3188.95	3138.99	3161.88	3116.26	3132.21	3088.99	3115.81
G13	3065.0	3090.13	3038.68	3059.02	3009.46	3037.28	2989.12	3008.37	2962.8	2991.26
G14	2923.41	2955.57	2900.67	2927.2	2876.29	2901.37	2856.9	2882.08	2831.32	2863.93
G15	2775.63	2805.59	2751.0	2783.71	2733.8	2760.32	2712.71	2740.78	2689.92	2723.63
G16	2600.58	2646.25	2591.01	2622.07	2568.12	2611.05	2558.25	2592.7	2536.81	2571.26
G17	2423.93	2471.0	2420.74	2460.43	2408.38	2447.47	2394.52	2431.51	2374.37	2415.61
G18	2240.66	2290.71	2241.2	2280.79	2228.29	2273.31	2218.32	2258.8	2199.27	2234.27
G19	2048.16	2099.16	2041.82	2097.42	2039.53	2086.75	2032.45	2075.03	2011.76	2051.15
G20	1857.9	1910.5	1863.18	1904.17	1850.17	1901.77	1850.57	1882.78	1832.87	1872.11
G21	1664.45	1719.64	1668.44	1717.35	1667.09	1718.55	1657.62	1709.17	1653.13	1697.21
G22	1488.8	1545.54	1488.2	1536.42	1488.15	1538.36	1482.62	1530.53	1476.54	1513.43
G23	1321.08	1360.47	1317.44	1363.91	1321.33	1371.19	1323.57	1361.52	1310.81	1343.42
G24	1151.22	1201.92	1159.89	1205.66	1172.95	1215.18	1169.81	1206.41	1154.76	1188.01
G25	1025.17	1060.37	1024.53	1062.77	1026.27	1070.15	1027.02	1061.77	1015.0	1039.68
G26	900.33	936.88	894.4	938.92	903.52	939.02	900.18	932.39	893.65	928.1
G27	794.03	829.63	801.11	832.18	794.78	823.05	785.46	817.17	787.0	822.1
G28	696.66	736.0	708.58	735.3	698.66	718.9	686.64	715.86	689.23	725.28
G29	614.9	646.95	622.22	645.76	609.36	637.68	597.59	624.17	600.64	635.34
G30	523.9	562.99	537.37	559.5	527.0	556.16	516.38	539.86	513.58	547.89
G31	446.58	480.18	454.8	480.13	452.16	482.07	443.38	464.97	436.9	465.27
G32	380.07	402.5	379.97	404.3	382.61	403.05	378.37	397.86	371.19	388.79
G33	321.53	341.23	326.47	339.68	321.83	341.43	316.65	335.94	312.06	334.55
G34	270.83	284.34	262.65	285.14	270.28	285.88	261.75	281.3	260.46	270.73
G35	226.8	237.77	219.42	237.67	224.01	238.22	216.28	234.18	218.58	226.2
G36	191.4	198.98	186.82	199.88	188.21	200.98	182.58	196.24	174.1	191.3

C Range: 0 - 360 Deg

C Interval: 5.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2025/9/26 15:58:39

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity:

Test Distance: 7.061 m

Remarks:

