

Report No.:

Test Time: 2024/6/13 10:12:04

LUMINAIRE PHOTOMETRIC TEST REPORT

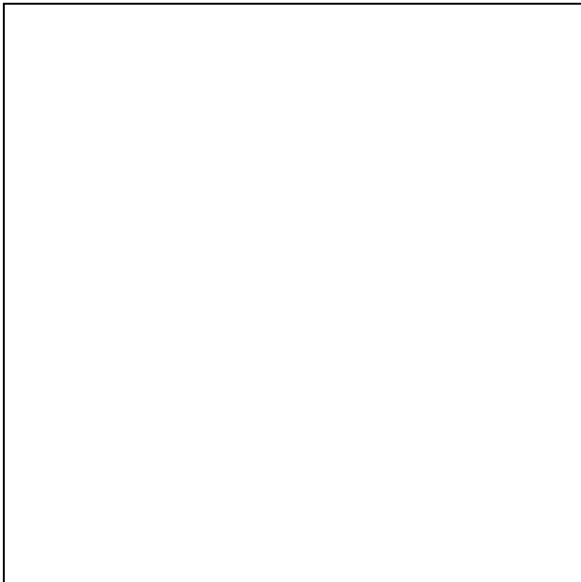
Luminaire Property

Manufacturer: 0	Voltage(V): 218.70 V
Luminaire Type: MB20-T010	Current(A): 0.3660 A
Lamp Type:	Power(W): 50.12 W
Luminous Width: 0 mm	Power Factor: 0.6240
Luminous Length: 0 mm	Lamp Luminous Flux: 2487.04
Luminous Height: 0 mm	

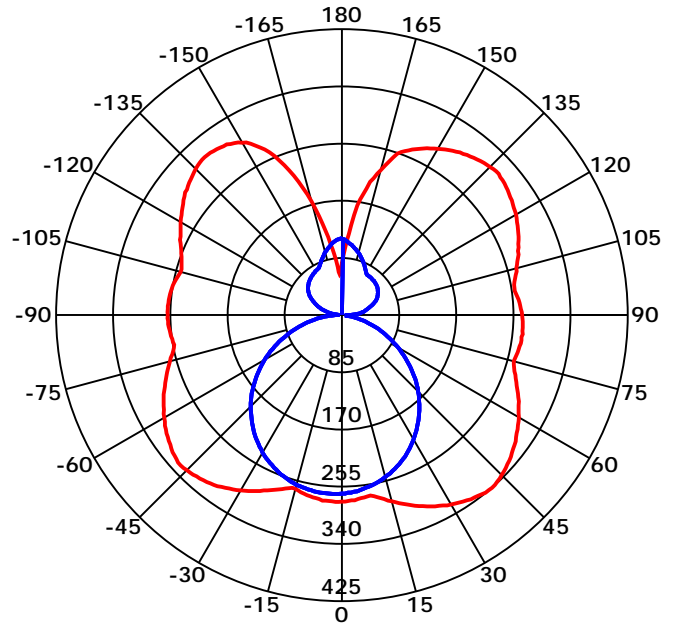
Photometric Results

CIE Class: Direct	Max. Intensity: 340.23 cd
Luminaire Luminous Flux: 2487.036 lm	Max. Intensity Angle: C=0 Gamma=41
Downward Ratio: 54.79%	Upward Ratio: 45.21%
Luminaire Efficacy Rating(LER): 49.62 lm/W	Efficacy: 100.00%
Beam Angle(50%) C0-180,C90-270: 336.9,111.4	Center Intensity: 277.54 cd
Field Angle(10%) C0-180,C90-270: 0.0,284.1	Effective Luminous Flux: 2487.04 lm
S/MH C0-180,C90-270: 1.739,1.202	ERP(φ use)(120deg): 805.13 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 336.9 deg,111.4 deg

C0-180 ——— C90-270 ———

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.25

Operators:

Test Date: 2024/6/13 10:12:04

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 1

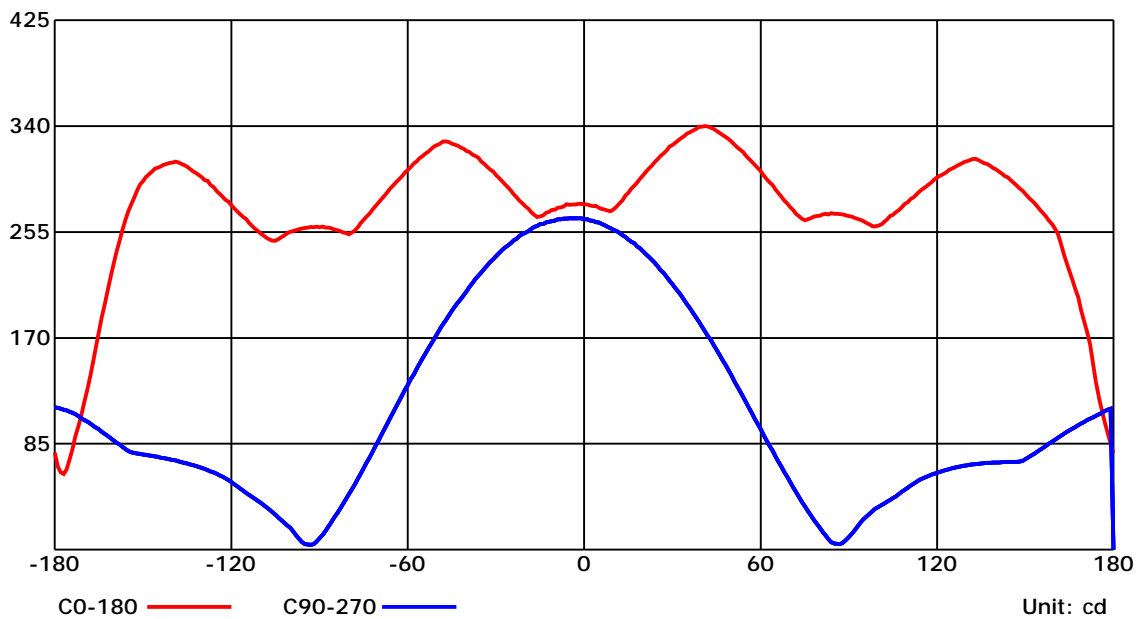
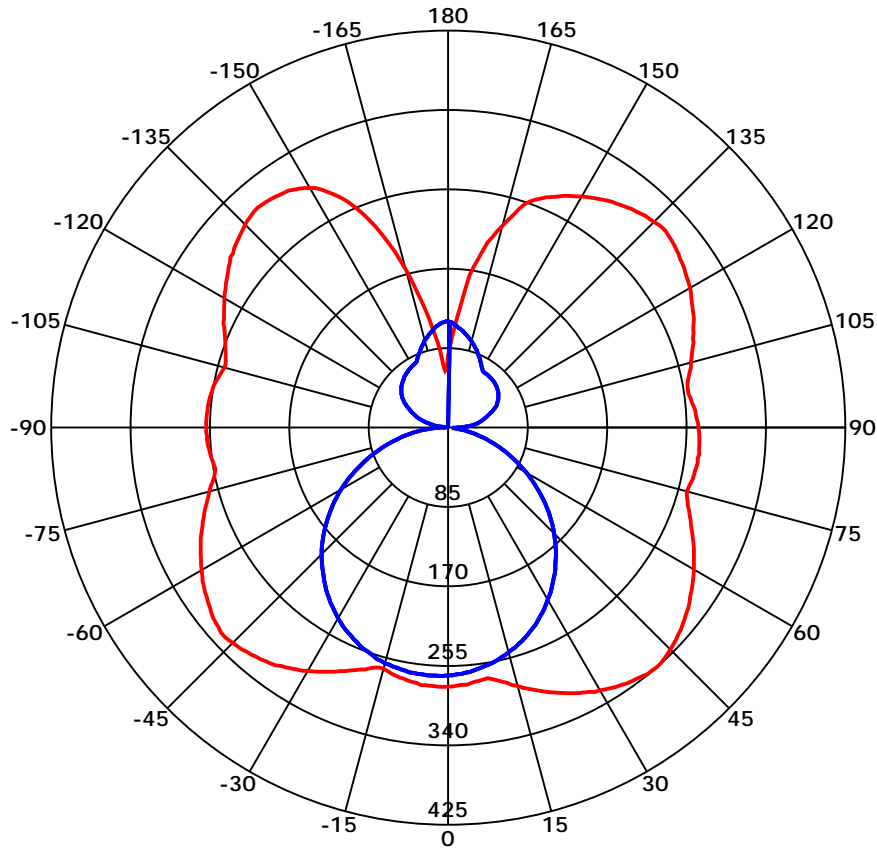
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/6/13 10:12:04

Luminous Intensity Distribution Curve



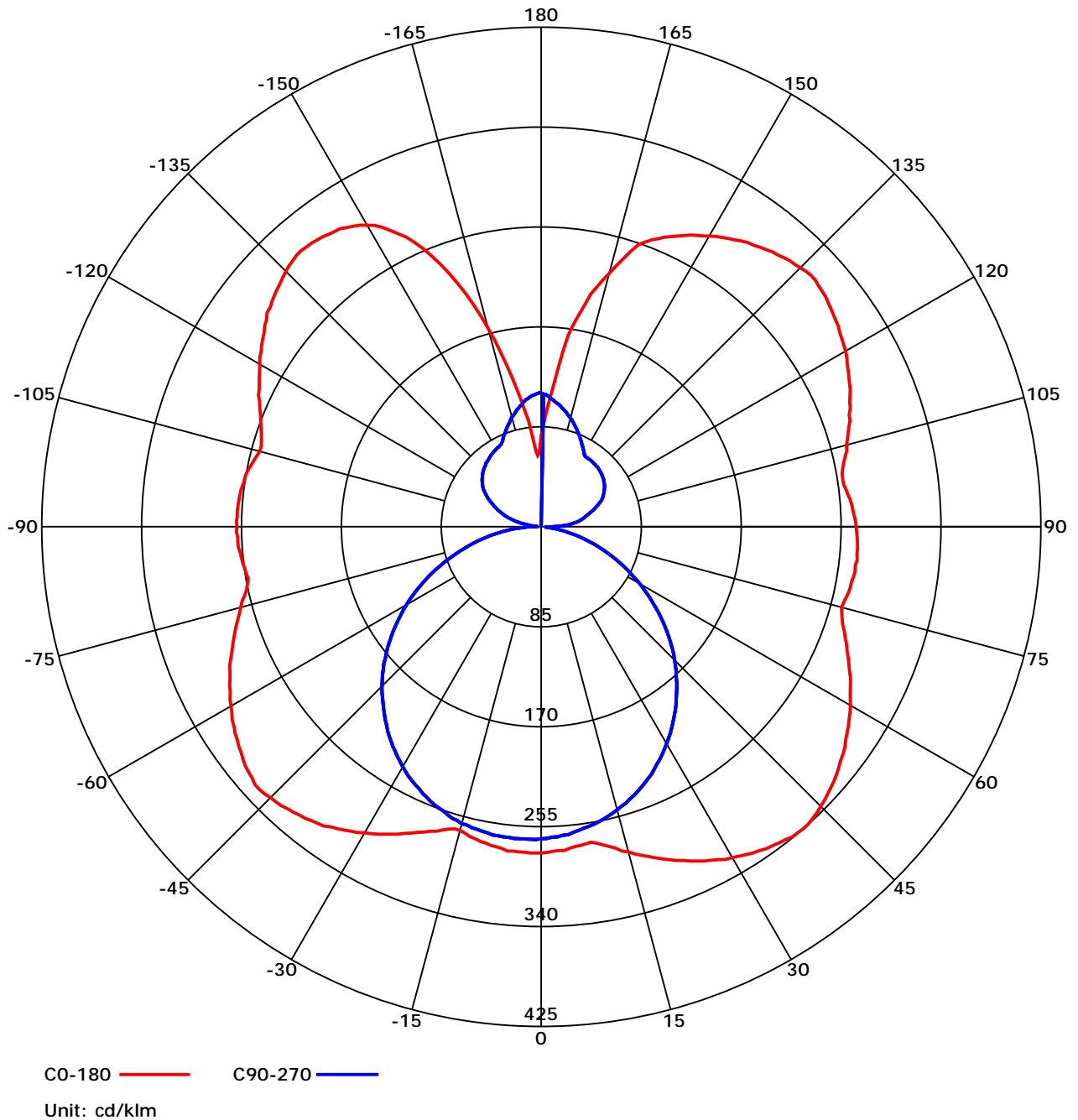
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.25
 Operators:
 Test Date: 2024/6/13 10:12:04

G Range: 0 - 180 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 1
 Test Distance: 6.25 m
 Remarks:

Report No.:

Test Time: 2024/6/13 10:12:04

Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.25

Operators:

Test Date: 2024/6/13 10:12:04

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 1

Test Distance: 6.25 m

Remarks:

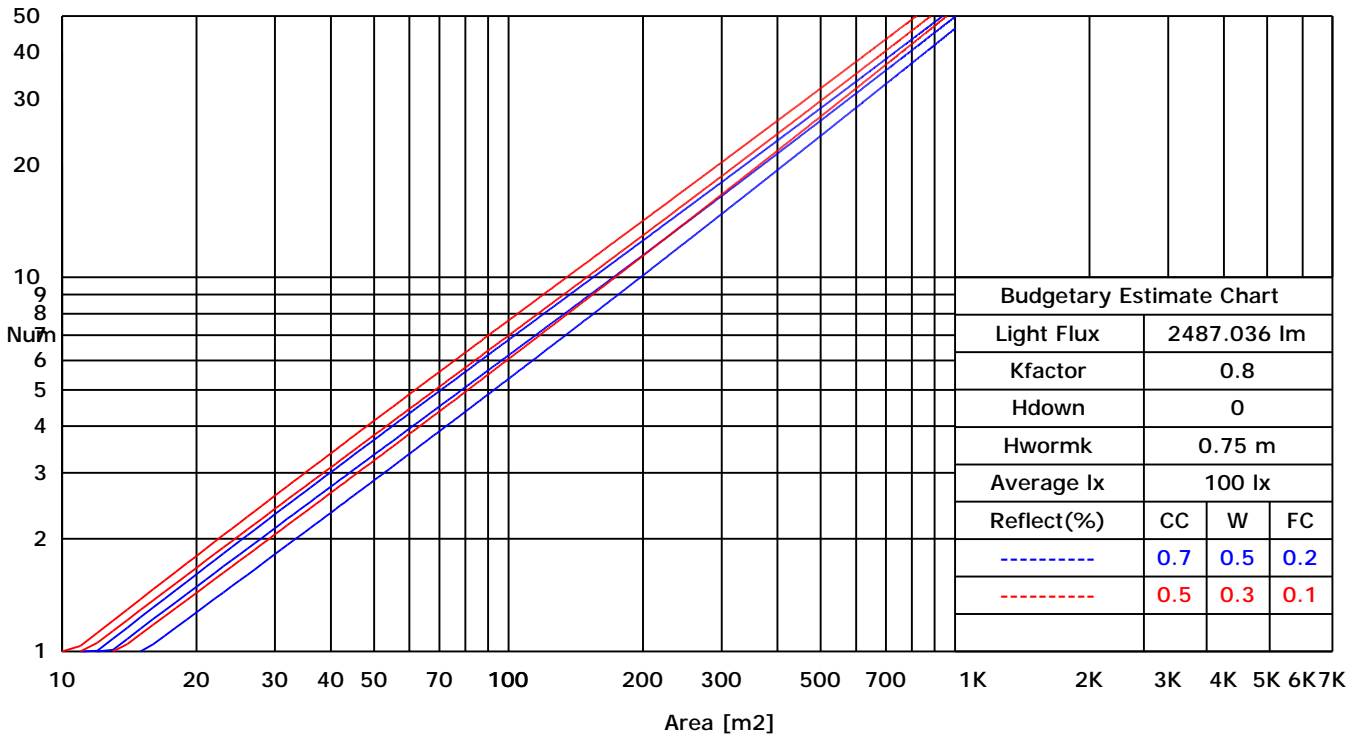
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UTILIZATION FACTORS TABLE

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION FOR RHOFC=20															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.05	1.04	1.02	1.04	1.02	1.00	1.00	0.98	0.96	0.95	0.93	0.91	0.89	0.87	0.85	0.79
2	0.95	0.93	0.91	0.94	0.91	0.89	0.91	0.88	0.86	0.87	0.84	0.81	0.82	0.79	0.76	0.71
3	0.87	0.85	0.84	0.87	0.84	0.82	0.84	0.81	0.78	0.81	0.78	0.74	0.77	0.73	0.70	0.65
4	0.82	0.80	0.78	0.81	0.78	0.77	0.79	0.76	0.73	0.77	0.73	0.69	0.74	0.69	0.65	0.61
5	0.78	0.76	0.74	0.77	0.74	0.73	0.76	0.72	0.69	0.73	0.69	0.66	0.71	0.66	0.62	0.58
6	0.74	0.72	0.71	0.74	0.71	0.70	0.72	0.69	0.66	0.71	0.66	0.63	0.68	0.63	0.59	0.56
7	0.72	0.70	0.69	0.71	0.69	0.67	0.70	0.67	0.64	0.68	0.64	0.61	0.66	0.61	0.57	0.54
8	0.70	0.68	0.67	0.69	0.67	0.65	0.68	0.65	0.62	0.66	0.62	0.59	0.64	0.60	0.56	0.53
9	0.68	0.66	0.65	0.67	0.65	0.64	0.66	0.63	0.61	0.65	0.61	0.58	0.63	0.58	0.55	0.51
10	0.66	0.65	0.64	0.66	0.64	0.63	0.65	0.62	0.60	0.63	0.59	0.57	0.61	0.57	0.54	0.50

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



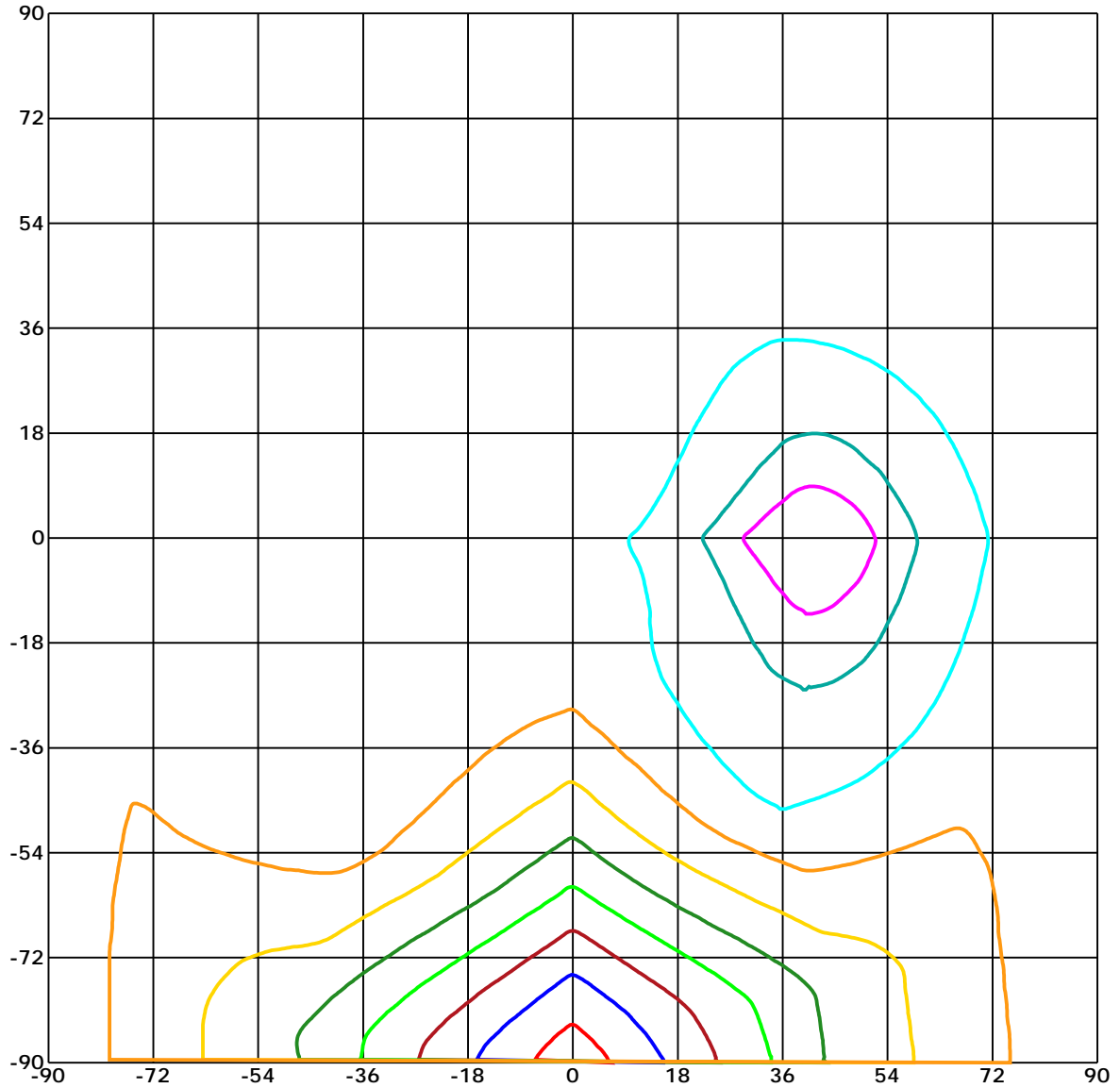
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.25
 Operators:
 Test Date: 2024/6/13 10:12:04

G Range: 0 - 180 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 1
 Test Distance: 6.25 m
 Remarks:

Report No.:

Test Time: 2024/6/13 10:12:04

ISOCANDELA DIAGRAM (RECTANGULAR)



Unit of intensity:cd Imax(100%): 340.234 cd

- 323.223(95%Imax)
- 306.211(90%Imax)
- 272.188(80%Imax)
- 238.164(70%Imax)
- 204.141(60%Imax)
- 170.117(50%Imax)
- 136.094(40%Imax)
- 102.07(30%Imax)
- 68.047(20%Imax)
- 34.023(10%Imax)

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.25

Operators:

Test Date: 2024/6/13 10:12:04

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 1

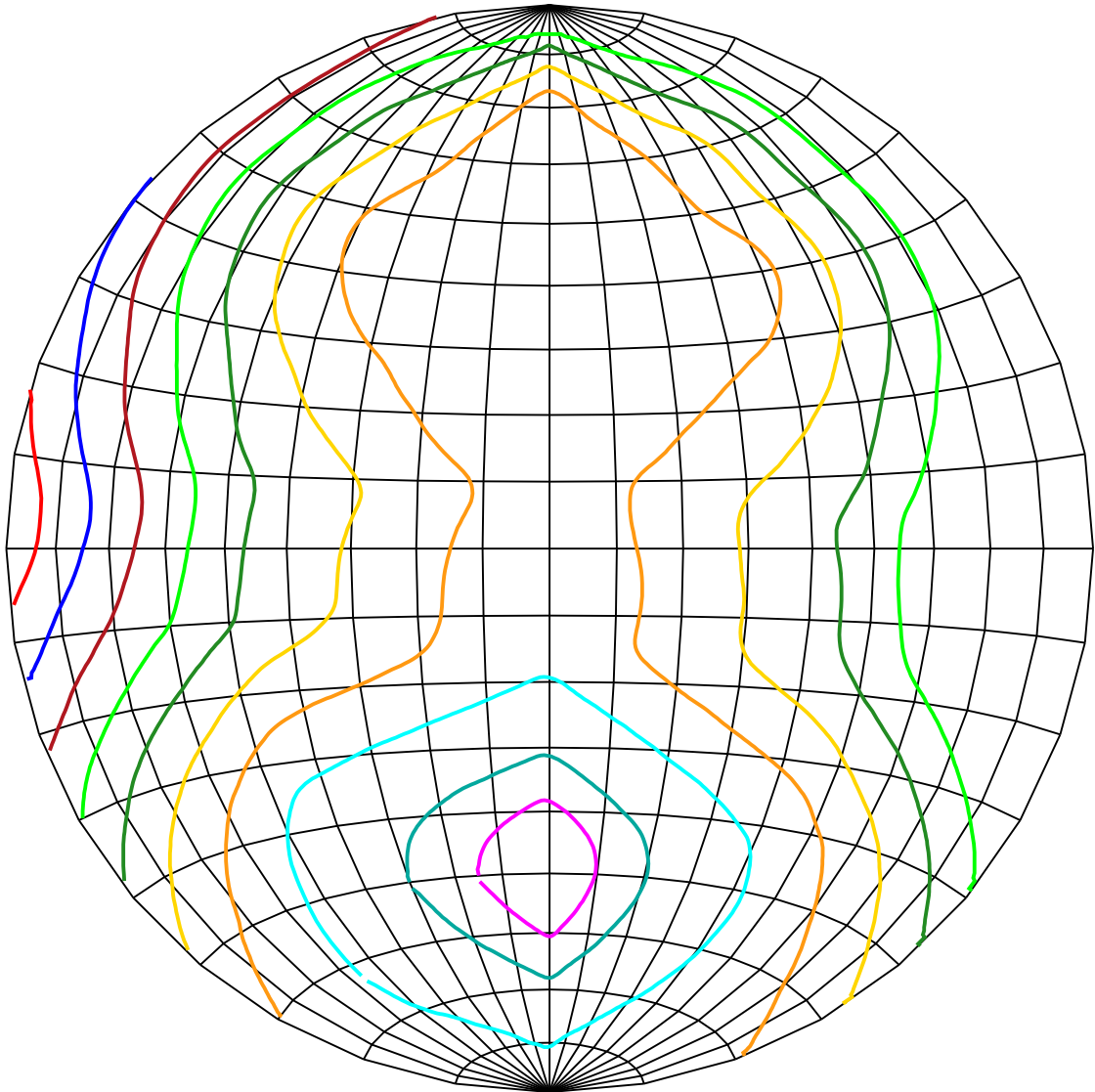
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/6/13 10:12:04

ISOCANDELA DIAGRAM (SPHERE)



Unit of intensity:cd I_{max}(100%): 340.234 cd

- | | |
|---------------------------------|---------------------------------|
| — 323.223(95%I _{max}) | — 170.117(50%I _{max}) |
| — 306.211(90%I _{max}) | — 136.094(40%I _{max}) |
| — 272.188(80%I _{max}) | — 102.07(30%I _{max}) |
| — 238.164(70%I _{max}) | — 68.047(20%I _{max}) |
| — 204.141(60%I _{max}) | — 34.023(10%I _{max}) |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.25

Operators:

Test Date: 2024/6/13 10:12:04

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 1

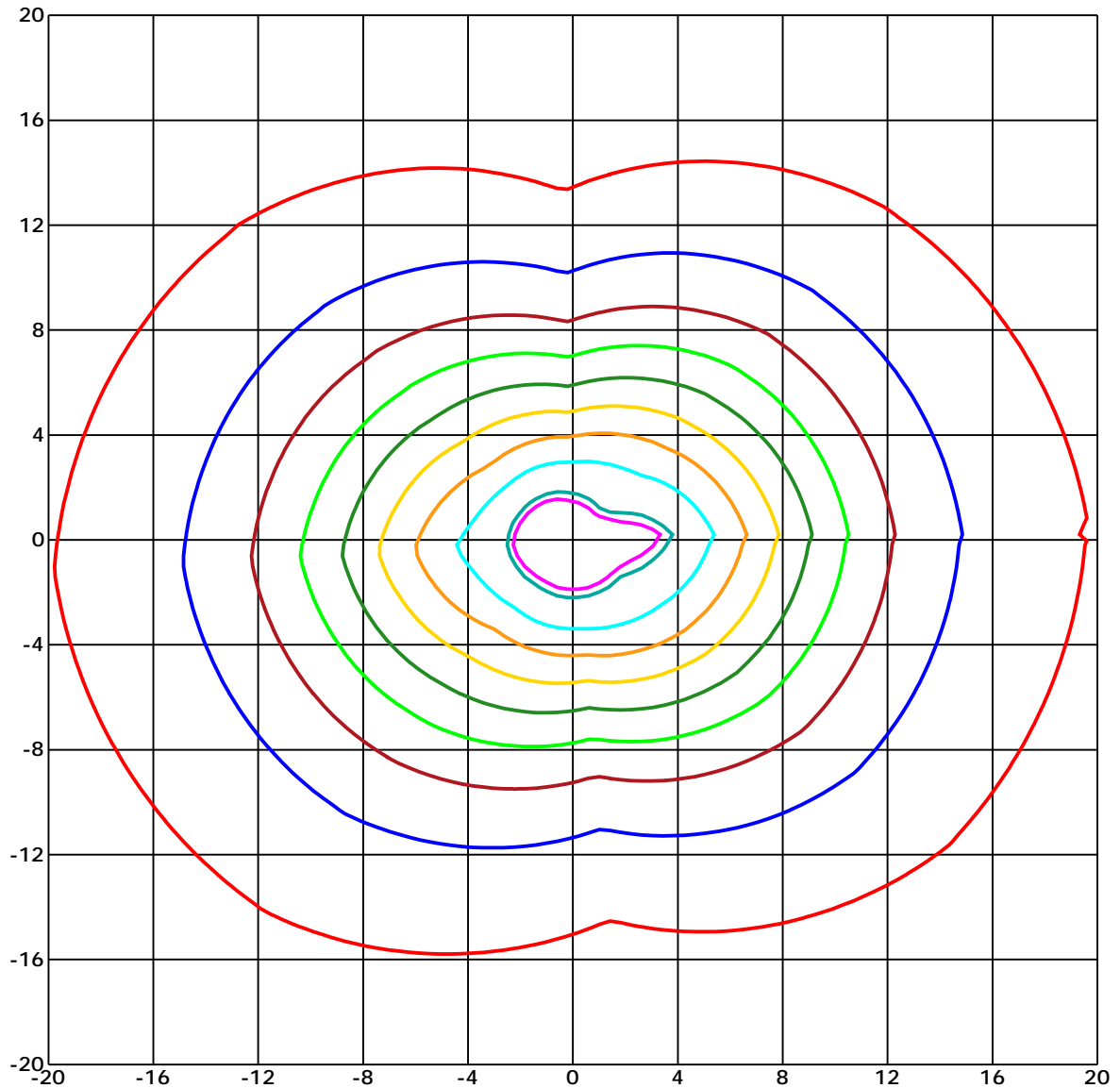
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/6/13 10:12:04

ISOLX DIAGRAM



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

- | | |
|------------------|------------------|
| — 2.554(92%Emax) | — 1.388(50%Emax) |
| — 2.498(90%Emax) | — 1.11(40%Emax) |
| — 2.221(80%Emax) | — 0.833(30%Emax) |
| — 1.943(70%Emax) | — 0.555(20%Emax) |
| — 1.666(60%Emax) | — 0.278(10%Emax) |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.25

Operators:

Test Date: 2024/6/13 10:12:04

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 1

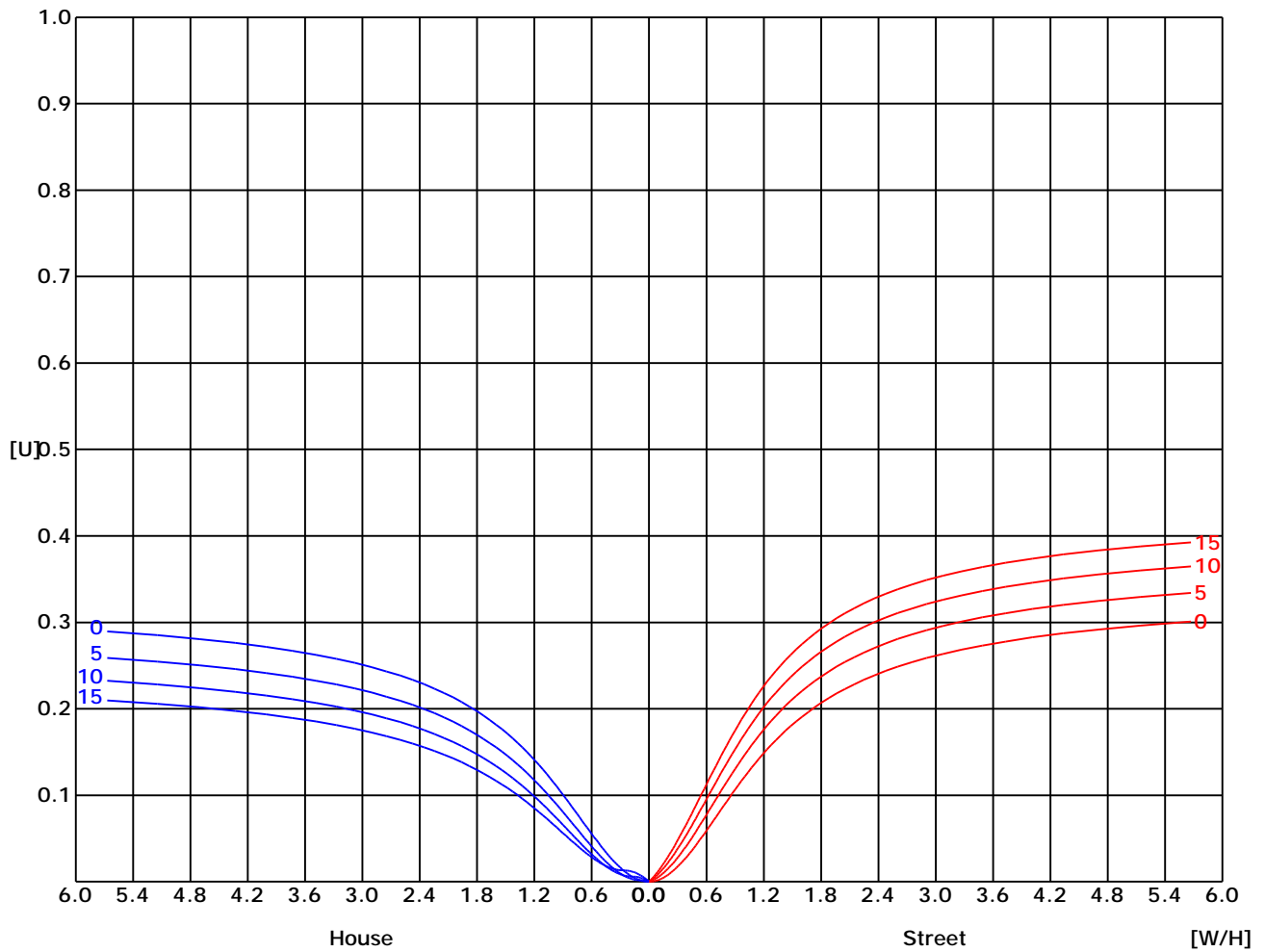
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/6/13 10:12:04

UTILIZATION FACTOR DIAGRAM (ROAD)



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.25

Operators:

Test Date: 2024/6/13 10:12:04

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 1

Test Distance: 6.25 m

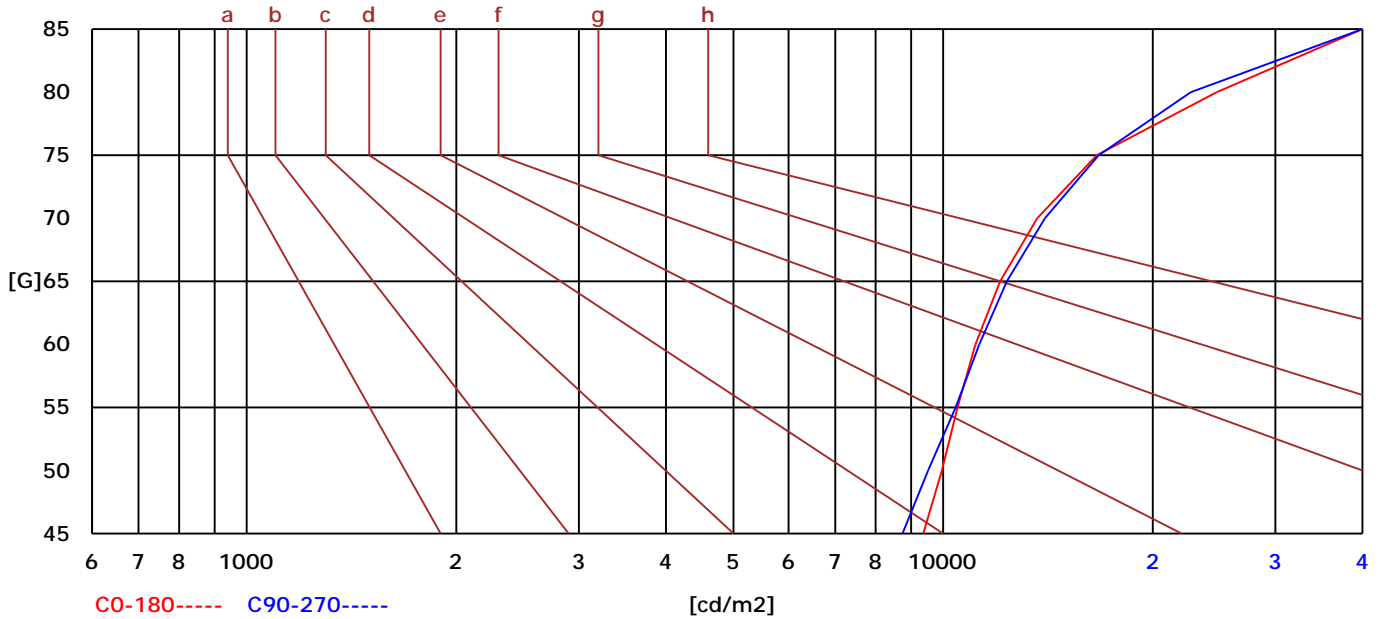
Remarks:

Report No.:

Test Time: 2024/6/13 10:12:04

BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	9369	9954	10490	11127	12076	13643	16621	24705	48943
C90	8741	9511	10422	11273	12342	13994	16719	22681	45088
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



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.25

Operators:

Test Date: 2024/6/13 10:12:04

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 1

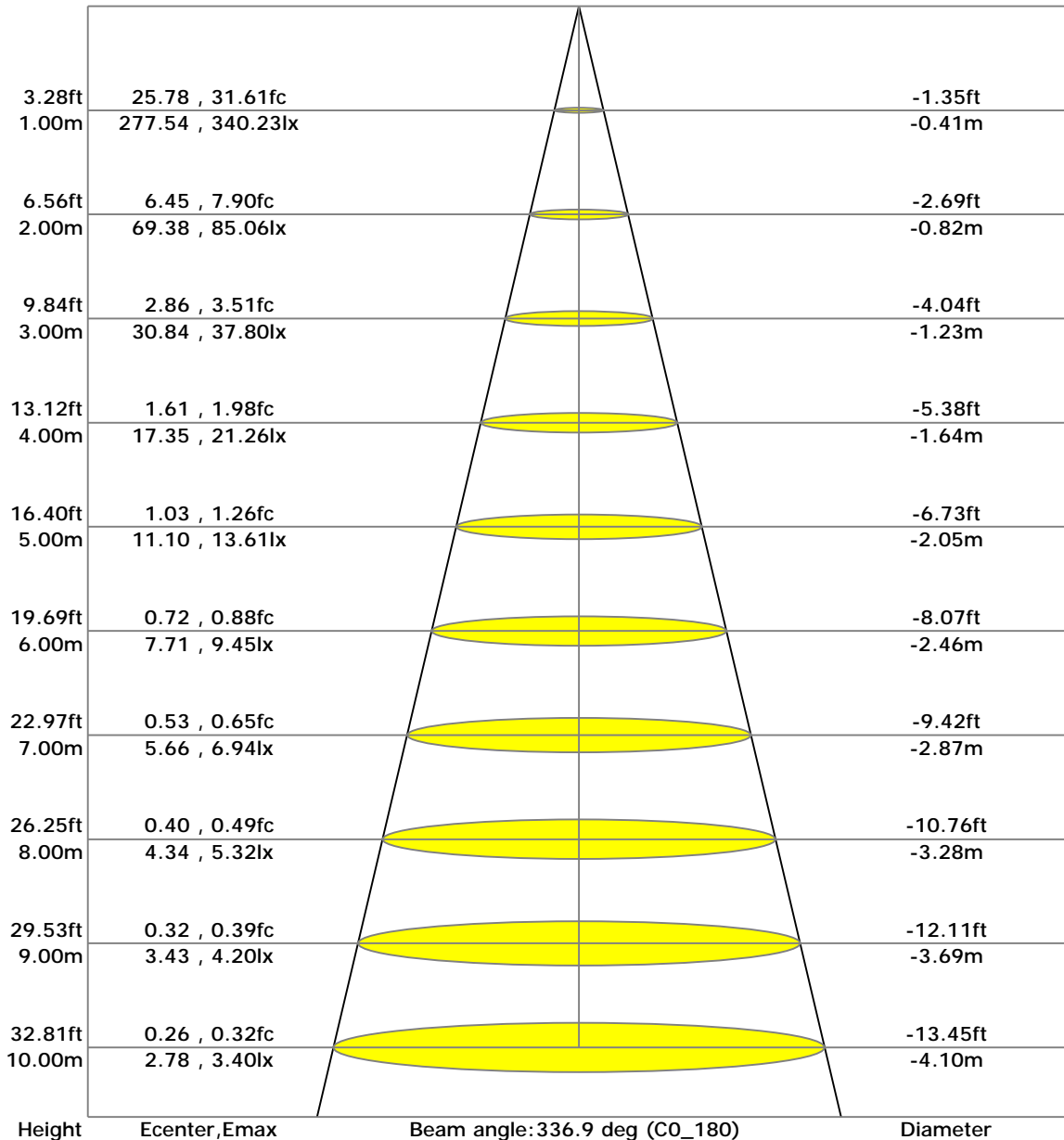
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/6/13 10:12:04

LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.25

Operators:

Test Date: 2024/6/13 10:12:04

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 1

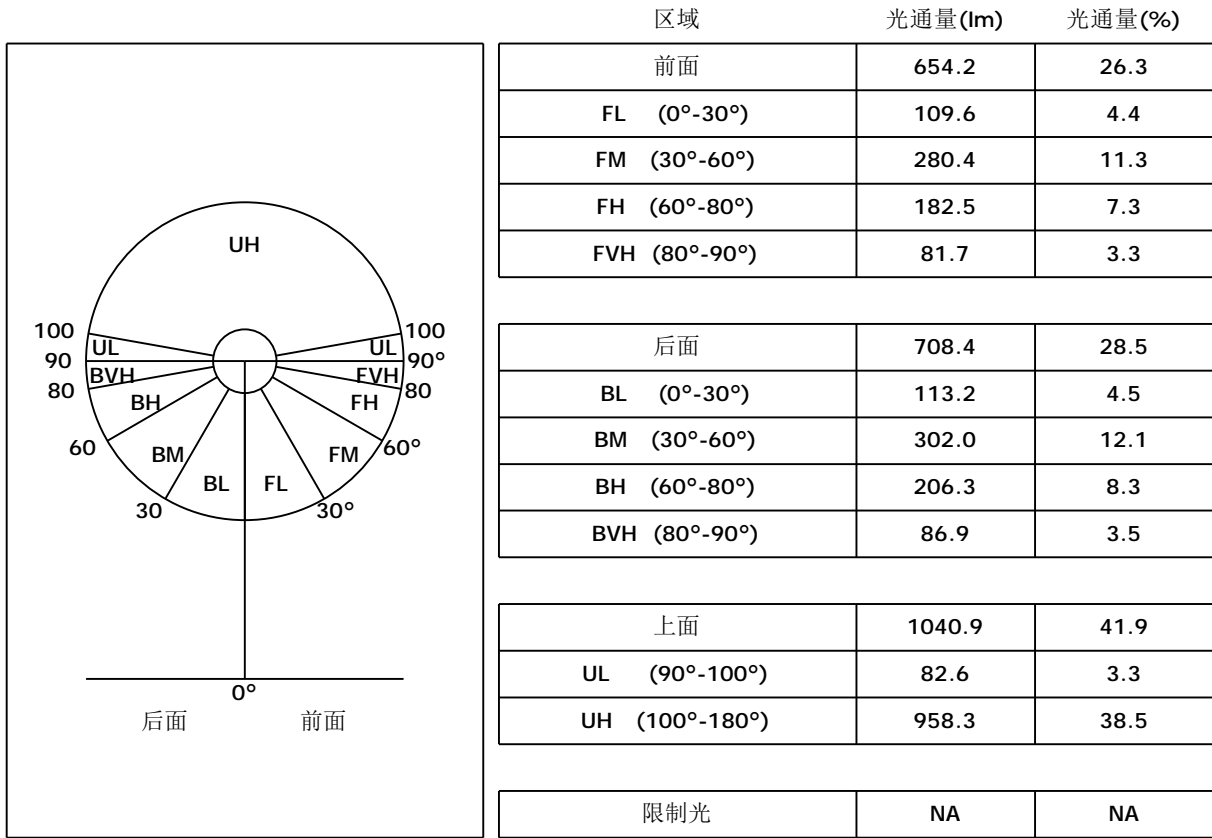
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/6/13 10:12:04

BUG等级评价表



BUG评价等级(基于TM-15-07)	
非对称灯具 (Type I , II , III , IV)	B1 U4 G1
对称灯具 (Type V , Area Light)	B1 U4 G1

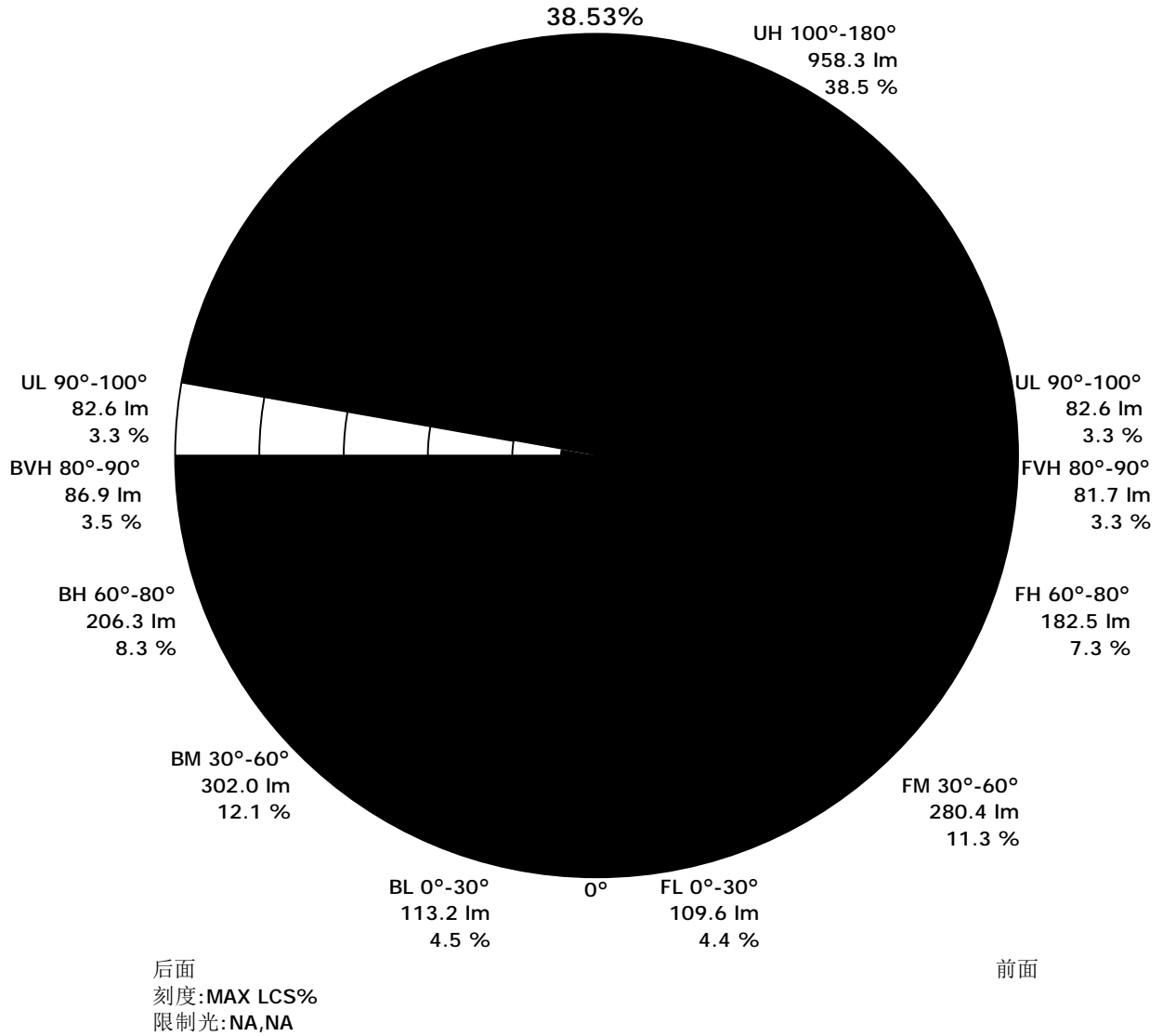
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.25
 Operators:
 Test Date: 2024/6/13 10:12:04

G Range: 0 - 180 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 1
 Test Distance: 6.25 m
 Remarks:

Report No.:

Test Time: 2024/6/13 10:12:04

LCS 图



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.25

Operators:

Test Date: 2024/6/13 10:12:04

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 1

Test Distance: 6.25 m

Remarks:

Report No.:

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UGR(Unified Glare Rating) TABLE

RHOCC		70	70	50	50	30	70	70	50	50	30
RHOW		50	30	50	30	30	50	30	50	30	30
RHOF		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewed Endwise					Viewed Crosswise				
2H	2H	19.78	20.11	19.95	20.47	20.90	17.67	18.00	17.84	18.36	18.79
	3H	19.80	20.14	19.98	20.49	20.93	18.15	18.49	18.32	18.84	19.27
	4H	19.76	20.09	19.93	20.44	20.88	18.32	18.66	18.50	19.01	19.44
	6H	19.67	20.01	19.85	20.35	20.80	18.39	18.73	18.57	19.07	19.51
	8H	19.61	19.95	19.80	20.30	20.74	18.33	18.67	18.52	19.01	19.46
	12H	19.55	19.89	19.75	20.24	20.69	18.27	18.61	18.47	18.95	19.40
4H	2H	24.71	25.05	24.89	25.40	25.83	20.16	20.50	20.34	20.85	21.28
	3H	24.95	25.28	25.14	25.63	26.08	21.11	21.45	21.31	21.80	22.25
	4H	24.98	25.31	25.19	25.65	26.12	21.58	21.91	21.79	22.25	22.72
	6H	24.93	25.24	25.16	25.60	26.07	22.00	22.31	22.22	22.66	23.14
	8H	24.87	25.18	25.12	25.54	26.02	22.16	22.46	22.40	22.82	23.31
	12H	24.80	25.10	25.06	25.46	25.96	22.21	22.51	22.47	22.86	23.37
8H	4H	27.86	28.20	28.05	28.55	28.99	20.87	21.21	21.06	21.55	22.00
	6H	28.80	29.08	29.07	29.44	29.96	24.03	24.31	24.30	24.67	25.19
	8H	28.82	29.09	29.11	29.46	29.99	24.53	24.80	24.82	25.17	25.70
	12H	28.80	29.04	29.11	29.41	29.96	24.98	25.22	25.29	25.60	26.15
12H	4H	30.15	30.45	30.41	30.80	31.31	23.38	23.68	23.64	24.04	24.54
	6H	30.47	30.74	30.76	31.11	31.64	24.61	24.87	24.90	25.24	25.77

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.25

Operators:

Test Date: 2024/6/13 10:12:04

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 1

Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/6/13 10:12:04

ZONAL LUMINOUS FLUX TABLE-1

Gamma [deg]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0	269.54	0.00	0.00	0.00	0.00
5	268.69	6.43	6.43	0.26	0.26
10	265.40	19.05	25.48	0.77	1.02
15	263.40	31.30	56.78	1.26	2.28
20	263.48	43.41	100.19	1.75	4.03
25	264.15	55.35	155.53	2.23	6.25
30	266.01	67.20	222.73	2.70	8.96
35	266.32	78.44	301.17	3.15	12.11
40	265.24	88.65	389.82	3.56	15.67
45	261.23	97.19	487.01	3.91	19.58
50	253.92	103.59	590.60	4.17	23.75
55	242.67	107.02	697.63	4.30	28.05
60	228.04	107.51	805.13	4.32	32.37
65	211.19	105.17	910.30	4.23	36.60
70	193.13	100.51	1010.81	4.04	40.64
75	175.52	94.42	1105.23	3.80	44.44
80	162.16	88.74	1193.98	3.57	48.01
85	154.95	85.14	1279.12	3.42	51.43
90	151.85	83.48	1362.60	3.36	54.79
95	151.56	82.90	1445.50	3.33	58.12
100	154.12	83.23	1528.73	3.35	61.47
105	160.40	84.75	1613.48	3.41	64.88
110	168.42	86.62	1700.10	3.48	68.36
115	177.75	88.51	1788.62	3.56	71.92
120	188.46	89.96	1878.58	3.62	75.53
125	199.26	90.61	1969.19	3.64	79.18
130	207.25	89.13	2058.32	3.58	82.76
135	211.72	85.11	2143.44	3.42	86.18
140	211.80	78.51	2221.95	3.16	89.34
145	207.27	69.68	2291.62	2.80	92.14
150	199.29	59.45	2351.07	2.39	94.53
155	186.46	48.34	2399.41	1.94	96.48
160	167.29	36.42	2435.83	1.46	97.94
165	145.31	25.15	2460.98	1.01	98.95
170	124.02	15.53	2476.52	0.62	99.58
175	107.02	8.09	2484.61	0.33	99.90
180	100.49	2.42	2487.03	0.10	100.00

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.25

Operators:

Test Date: 2024/6/13 10:12:04

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 1

Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/6/13 10:12:04

ZONAL LUMINOUS FLUX TABLE-2

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	φ zonal	φ total	%lum	%lamp
10	273.5	252.7	257.0	265.2	273.2	265.0	264.5	265.8	10	25.5	25.5	1.0	1.0
20	300.8	259.8	239.6	249.2	275.7	255.7	254.7	273.5	20	74.7	100.2	4.0	4.0
30	325.0	267.4	213.1	246.4	300.8	256.1	235.9	283.9	30	122.5	222.7	9.0	9.0
40	339.8	268.7	179.3	248.6	320.3	263.3	207.7	288.8	40	167.1	389.8	15.7	15.7
50	328.0	255.9	140.2	244.5	325.0	263.8	173.3	284.1	50	200.8	590.6	23.7	23.7
60	303.9	222.5	96.6	225.5	305.0	255.4	132.3	258.4	60	214.5	805.1	32.4	32.4
70	275.1	186.6	54.3	191.4	278.6	222.7	87.3	218.9	70	205.7	1010.8	40.6	40.6
80	268.2	171.6	17.9	157.5	253.4	185.4	44.6	181.1	80	183.2	1194.0	48.0	48.0
90	268.0	168.6	10.2	157.1	259.1	165.0	9.1	175.6	90	168.6	1362.6	54.8	54.8
100	260.2	183.6	34.4	156.8	255.3	163.3	17.5	171.3	100	166.1	1528.7	61.5	61.5
110	279.0	201.9	49.8	176.3	254.0	171.2	37.5	190.5	110	171.4	1700.1	68.4	68.4
120	299.1	226.0	61.8	208.2	276.8	192.0	54.3	208.6	120	178.5	1878.6	75.5	75.5
130	312.1	234.8	67.8	236.8	299.2	225.0	65.5	226.3	130	179.7	2058.3	82.8	82.8
140	305.6	213.4	70.1	247.7	311.0	241.4	72.0	227.5	140	163.6	2221.9	89.3	89.3
150	285.7	201.8	72.7	221.8	296.1	223.8	76.5	199.0	150	129.1	2351.1	94.5	94.5
160	258.0	160.6	88.3	149.2	229.5	164.4	87.7	167.4	160	84.8	2435.8	97.9	97.9
170	182.9	120.2	102.6	102.7	118.0	102.7	104.3	130.3	170	40.7	2476.5	99.6	99.6
180	77.6	0.0	0.0	0.0	78.0	103.8	114.3	109.8	180	10.5	2487.0	100.0	100.0

Conical surface Flux(90deg) : 487.0 lm

%lum = 19.6%

%lamp = 19.6%

Conical surface Flux(120deg) : 805.1 lm

%lum = 32.4%

%lamp = 32.4%

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.25

Operators:

Test Date: 2024/6/13 10:12:04

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 1

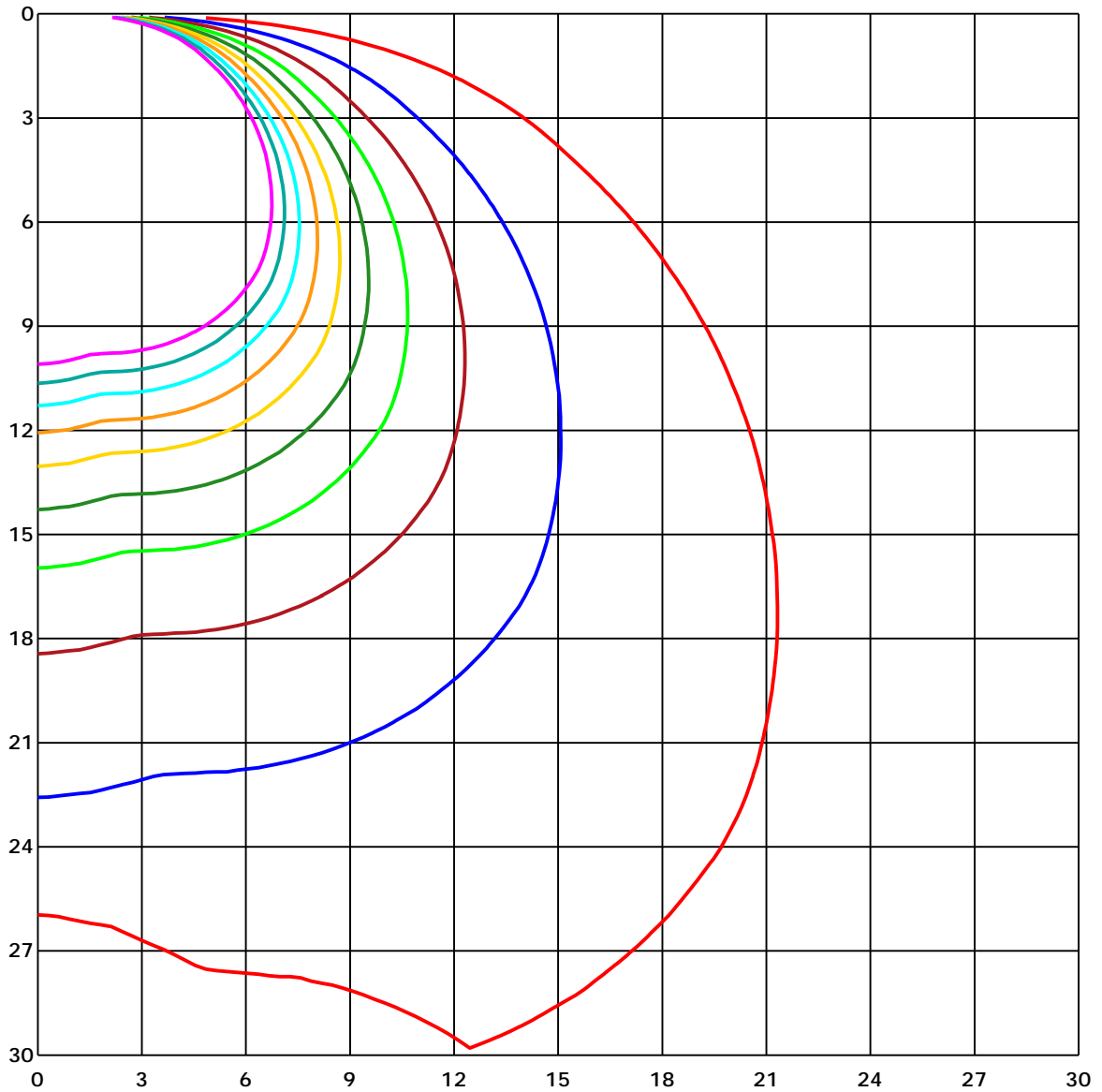
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/6/13 10:12:04

SPACE ISOLX DIAGRAM



Unit of illumination: lx

- | | |
|---------|---------|
| — 2.723 | — 1.362 |
| — 2.451 | — 1.089 |
| — 2.179 | — 0.817 |
| — 1.906 | — 0.545 |
| — 1.634 | — 0.272 |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.25

Operators:

Test Date: 2024/6/13 10:12:04

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 1

Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/6/13 10:12:04

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma/C	C0	C45	C90	C135	C180	C225	C270	C315	C360
G0	277.54	263.79	265.43	271.41	277.54	263.79	265.43	271.41	277.54
G1	277.27	263.95	265.39	270.74	277.73	264.57	266.13	270.78	277.27
G2	276.45	262.34	264.3	270.55	277.81	264.8	266.17	271.05	276.45
G3	275.94	261.64	264.26	270.63	277.3	265.94	266.13	270.78	275.94
G4	276.13	260.47	263.16	270.2	277.3	266.02	266.17	270.04	276.13
G5	274.77	259.57	262.97	269.65	276.99	265.78	266.17	269.61	274.77
G6	273.71	258.75	261.45	268.98	277.54	265.82	265.82	269.22	273.71
G7	273.16	257.42	260.43	267.81	275.7	265.59	265.82	268.98	273.16
G8	272.42	255.63	259.14	267.11	275.0	265.82	265.51	268.01	272.42
G9	271.8	254.34	258.13	266.29	274.57	265.74	265.55	266.76	271.8
G10	273.48	252.73	257.03	265.16	273.2	264.96	264.49	265.82	273.48
G11	275.74	252.3	255.86	263.75	272.77	264.49	263.95	265.23	275.74
G12	278.24	252.93	254.41	262.62	271.45	263.71	263.28	264.06	278.24
G13	280.7	253.52	252.7	261.56	270.59	263.24	262.89	264.69	280.7
G14	284.34	254.1	251.25	259.49	268.63	262.46	261.68	265.27	284.34
G15	286.48	255.0	249.18	257.85	267.62	261.56	261.52	266.76	286.48
G16	289.77	256.72	247.38	256.37	267.34	260.39	259.92	267.97	289.77
G17	292.42	256.91	246.09	254.57	268.91	259.3	259.34	269.02	292.42
G18	295.12	257.89	243.63	252.7	271.13	258.05	257.7	270.12	295.12
G19	297.97	259.06	241.95	250.35	273.95	256.95	255.98	271.6	297.97
G20	300.78	259.8	239.65	249.18	275.7	255.74	254.73	273.52	300.78
G21	303.55	261.29	237.46	246.76	278.13	253.91	253.59	273.95	303.55
G22	306.25	261.6	235.12	245.43	280.43	252.66	251.95	275.39	306.25
G23	308.55	262.66	232.73	244.41	283.2	252.15	249.84	276.56	308.55
G24	311.37	263.32	230.59	244.65	285.59	251.37	248.44	277.89	311.37
G25	313.87	264.1	227.7	245.04	288.59	252.54	246.02	278.59	313.87
G26	316.37	265.27	224.65	244.8	291.05	253.13	244.41	280.04	316.37
G27	318.48	265.78	222.15	245.31	293.67	254.14	242.58	281.02	318.48
G28	320.78	266.64	219.14	246.02	296.17	254.8	240.55	282.15	320.78
G29	323.71	266.88	216.17	246.02	298.63	255.66	238.16	282.85	323.71
G30	325.04	267.42	213.13	246.37	300.82	256.09	235.9	283.91	325.04
G31	326.99	268.13	210.16	247.15	303.67	257.11	233.16	284.26	326.99
G32	328.91	268.05	207.15	247.3	305.47	257.73	230.86	285.0	328.91
G33	330.86	268.63	203.87	248.2	307.7	258.71	228.16	285.86	330.86
G34	332.3	268.95	200.43	247.58	310.04	259.49	225.66	286.09	332.3
G35	334.34	269.1	197.07	247.85	311.8	260.08	222.85	286.88	334.34
G36	335.31	269.77	193.83	248.59	314.84	260.78	220.16	287.81	335.31

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.25

Operators:

Test Date: 2024/6/13 10:12:04

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 1

Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/6/13 10:12:04

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

GammaC	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	336.64	269.1	190.31	248.2	316.21	261.64	217.38	287.54	336.64	
G38	337.81	269.34	186.52	248.63	317.46	262.27	213.98	287.85	337.81	
G39	339.65	269.26	183.05	248.87	319.3	262.62	211.09	288.09	339.65	
G40	339.77	268.71	179.3	248.63	320.31	263.28	207.7	288.79	339.77	
G41	340.23	268.67	175.74	248.2	321.91	263.83	204.49	288.16	340.23	
G42	340.0	267.5	171.8	248.09	322.93	263.95	201.48	288.09	340.0	
G43	338.95	266.84	168.4	248.05	324.57	264.18	198.32	287.89	338.95	
G44	338.01	265.86	164.34	248.13	325.39	264.77	195.31	288.05	338.01	
G45	336.41	265.0	160.43	247.23	326.09	264.49	191.88	287.66	336.41	
G46	334.96	264.38	156.76	246.8	327.34	264.96	188.28	288.05	334.96	
G47	333.32	262.85	152.62	246.45	327.93	264.34	184.8	286.41	333.32	
G48	331.6	261.13	148.55	245.86	327.93	264.22	181.09	286.33	331.6	
G49	329.96	258.59	144.41	245.51	326.13	264.26	177.58	284.88	329.96	
G50	328.01	255.94	140.23	244.53	325.04	263.75	173.32	284.14	328.01	
G51	325.66	252.97	135.63	243.63	324.02	263.59	169.61	282.85	325.66	
G52	323.28	249.92	131.45	242.46	321.95	262.89	165.66	281.8	323.28	
G53	321.56	246.95	127.3	241.52	319.77	262.34	161.64	279.69	321.56	
G54	319.45	243.87	122.77	240.27	318.16	262.23	157.46	277.15	319.45	
G55	316.37	240.66	118.24	239.1	315.98	260.9	153.48	274.69	316.37	
G56	313.95	236.88	114.06	236.84	314.41	260.2	149.38	272.11	313.95	
G57	311.64	233.2	109.77	234.14	312.03	259.18	145.23	268.59	311.64	
G58	309.06	229.88	105.31	231.09	310.27	257.85	140.82	264.96	309.06	
G59	306.64	226.17	100.94	228.24	307.34	256.56	136.8	261.64	306.64	
G60	303.95	222.54	96.64	225.47	304.96	255.39	132.3	258.4	303.95	
G61	300.78	219.22	92.07	222.11	302.97	252.73	128.4	255.08	300.78	
G62	297.93	215.7	87.7	218.67	300.0	249.8	123.67	251.02	297.93	
G63	295.27	211.56	83.67	215.55	297.7	246.95	119.45	247.38	295.27	
G64	292.81	207.77	79.41	212.38	294.88	244.14	114.61	243.52	292.81	
G65	289.45	204.14	74.92	208.63	292.46	240.47	110.2	239.88	289.45	
G66	286.6	200.82	70.78	205.08	290.23	237.15	105.63	235.74	286.6	
G67	283.63	197.07	66.84	201.91	287.11	233.67	101.13	231.45	283.63	
G68	280.55	193.36	62.58	198.44	284.18	229.96	96.64	227.7	280.55	
G69	278.13	189.84	58.48	195.0	281.41	226.99	91.99	223.2	278.13	
G70	275.12	186.64	54.3	191.45	278.63	222.7	87.34	218.91	275.12	
G71	272.85	183.2	50.31	187.5	275.98	219.18	83.01	214.92	272.85	
G72	269.88	179.77	46.41	184.18	273.16	215.43	78.48	211.02	269.88	
G73	267.89	176.64	42.46	180.35	270.16	211.8	74.06	206.91	267.89	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.25

Operators:

Test Date: 2024/6/13 10:12:04

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 1

Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/6/13 10:12:04

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 2)

GammaC	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G74	265.9	173.71	38.67	176.95	267.46	208.67	69.73	203.05	265.9	
G75	264.57	172.07	34.84	173.09	264.8	204.14	65.43	199.26	264.57	
G76	265.35	171.84	31.13	169.45	262.42	200.47	61.09	195.0	265.35	
G77	266.29	171.52	27.73	166.17	258.98	196.68	56.8	191.25	266.29	
G78	267.5	171.76	24.3	162.77	256.45	192.62	52.58	187.66	267.5	
G79	268.01	171.64	21.09	159.69	254.8	189.22	48.59	184.22	268.01	
G80	268.24	171.6	17.89	157.54	253.4	185.43	44.57	181.05	268.24	
G81	269.34	171.91	14.57	156.29	254.38	181.84	40.63	178.24	269.34	
G82	269.73	171.48	11.52	156.6	254.96	178.44	36.88	177.3	269.73	
G83	269.38	171.13	8.63	156.72	256.02	175.0	33.05	177.58	269.38	
G84	270.35	170.98	6.02	157.03	256.64	171.72	29.34	177.54	270.35	
G85	269.77	170.63	5.04	157.19	257.15	168.55	25.7	177.3	269.77	
G86	269.69	170.23	4.57	157.3	258.32	165.74	21.91	177.27	269.69	
G87	269.49	169.8	4.38	157.5	258.79	164.53	18.48	176.76	269.49	
G88	269.18	169.3	5.63	157.15	258.63	164.61	15.08	176.72	269.18	
G89	268.55	168.71	7.73	157.07	259.49	165.23	11.95	176.05	268.55	
G90	268.01	168.55	10.2	157.11	259.1	165.0	9.14	175.59	268.01	
G91	267.5	167.38	12.93	156.95	259.53	165.2	6.48	175.08	267.5	
G92	266.52	166.68	15.82	156.45	259.1	165.0	4.41	174.61	266.52	
G93	265.63	167.03	18.91	156.25	259.14	164.92	3.95	173.87	265.63	
G94	265.0	168.24	21.99	156.09	258.71	165.16	4.06	173.2	265.0	
G95	263.91	170.43	24.57	155.94	258.52	164.57	4.45	172.19	263.91	
G96	262.34	173.05	26.76	155.66	258.05	164.38	6.17	171.52	262.34	
G97	261.25	175.59	28.87	155.04	257.46	164.18	8.75	170.2	261.25	
G98	259.73	178.67	30.98	154.57	256.56	163.95	11.68	169.45	259.73	
G99	259.69	181.21	32.89	154.77	255.9	164.18	14.77	169.53	259.69	
G100	260.16	183.59	34.38	156.76	255.31	163.28	17.46	171.33	260.16	
G101	261.29	185.7	35.7	158.67	254.22	162.97	19.53	173.44	261.29	
G102	263.24	187.58	37.19	160.94	252.42	162.38	21.64	175.63	263.24	
G103	265.31	189.77	38.63	163.24	251.05	162.11	23.79	178.48	265.31	
G104	267.89	191.91	40.04	165.59	249.61	161.45	25.86	180.82	267.89	
G105	268.95	193.55	41.37	167.46	248.16	161.45	28.05	182.93	268.95	
G106	271.17	196.21	42.85	169.14	248.2	162.62	30.2	184.77	271.17	
G107	273.01	197.15	44.73	171.37	249.26	164.53	32.3	186.05	273.01	
G108	275.23	198.63	46.48	172.46	250.59	166.64	34.02	187.89	275.23	
G109	277.81	200.31	48.2	174.34	252.3	169.38	35.9	189.14	277.81	
G110	278.98	201.91	49.8	176.25	253.98	171.21	37.5	190.51	278.98	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.25

Operators:

Test Date: 2024/6/13 10:12:04

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 1

Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/6/13 10:12:04

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 3)

GammaC	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G111	281.6	203.59	51.45	178.36	255.9	173.2	39.22	192.34	281.6	
G112	283.16	205.43	52.93	180.98	257.93	174.92	40.86	193.67	283.16	
G113	285.47	207.7	54.69	183.71	260.27	176.88	42.54	194.61	285.47	
G114	287.89	210.31	56.05	187.11	262.5	178.09	44.06	196.02	287.89	
G115	289.49	212.77	57.27	190.2	265.59	179.84	45.66	197.3	289.49	
G116	291.25	215.43	58.24	193.67	267.15	181.45	47.42	198.91	291.25	
G117	293.2	218.09	59.18	197.46	269.49	183.63	49.26	200.43	293.2	
G118	294.88	220.86	60.2	200.82	271.88	185.94	51.09	202.89	294.88	
G119	297.34	223.59	61.05	204.34	274.26	189.22	52.62	205.27	297.34	
G120	299.1	226.02	61.8	208.16	276.84	191.99	54.34	208.63	299.1	
G121	300.39	228.28	62.5	211.33	279.45	195.39	55.94	210.74	300.39	
G122	301.72	228.79	63.36	214.77	281.21	199.02	57.34	213.59	301.72	
G123	303.01	230.16	64.06	217.89	283.79	202.66	58.67	216.21	303.01	
G124	305.08	231.45	64.69	221.91	286.09	206.25	59.84	218.79	305.08	
G125	306.05	232.15	65.31	225.08	288.16	209.3	60.98	220.59	306.05	
G126	307.23	233.91	65.78	227.85	291.02	212.66	61.99	221.76	307.23	
G127	308.75	234.26	66.52	230.66	293.05	215.86	62.93	222.77	308.75	
G128	309.96	234.84	66.95	232.89	296.21	218.87	63.83	224.22	309.96	
G129	311.29	235.31	67.34	235.27	296.76	222.27	64.8	224.92	311.29	
G130	312.07	234.77	67.77	236.84	299.18	224.96	65.55	226.25	312.07	
G131	312.7	234.22	68.09	238.79	300.82	228.13	66.33	226.88	312.7	
G132	313.87	233.01	68.48	240.63	302.38	230.59	67.19	227.77	313.87	
G133	313.95	231.64	68.75	242.15	304.06	232.73	67.89	228.79	313.95	
G134	313.09	229.77	68.98	243.4	305.7	234.65	68.55	229.61	313.09	
G135	311.64	227.73	69.3	244.73	307.62	235.9	69.22	230.16	311.64	
G136	310.55	224.69	69.49	245.66	308.98	237.34	69.84	230.9	310.55	
G137	309.8	221.68	69.73	246.91	310.0	238.87	70.35	230.94	309.8	
G138	308.32	218.91	69.73	247.5	311.17	240.23	70.98	230.63	308.32	
G139	306.68	215.66	70.0	247.58	311.6	241.6	71.76	229.49	306.68	
G140	305.63	213.4	70.08	247.7	311.02	241.45	72.03	227.54	305.63	
G141	303.63	211.88	70.12	246.91	310.66	241.99	72.54	224.49	303.63	
G142	302.15	210.23	70.23	246.09	309.96	241.72	73.05	221.64	302.15	
G143	300.2	209.49	70.47	244.69	309.1	241.05	73.52	218.48	300.2	
G144	299.06	208.24	70.43	242.93	307.81	240.27	73.98	215.39	299.06	
G145	296.88	207.46	70.55	240.63	306.88	238.44	74.57	211.91	296.88	
G146	294.69	206.91	70.51	238.16	306.17	235.78	74.92	208.09	294.69	
G147	292.58	205.7	70.55	234.69	303.71	233.24	75.43	204.8	292.58	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.25

Operators:

Test Date: 2024/6/13 10:12:04

G Range: 0 - 180 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 1

Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/6/13 10:12:04

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 4)

GammaC	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G148	290.35	204.65	70.66	231.48	301.72	230.51	75.78	202.46	290.35	
G149	288.28	203.13	71.41	226.64	299.45	228.55	76.21	200.63	288.28	
G150	285.74	201.76	72.73	221.76	296.13	223.83	76.48	198.98	285.74	
G151	283.13	199.88	74.22	215.86	293.44	219.65	76.88	197.66	283.13	
G152	280.9	196.68	75.55	210.27	288.79	215.35	77.11	196.33	280.9	
G153	278.75	192.89	77.07	203.48	283.09	210.35	77.7	194.22	278.75	
G154	275.78	188.2	78.63	196.41	277.3	205.27	78.16	191.95	275.78	
G155	272.93	182.85	80.35	189.38	271.88	199.22	79.3	187.97	272.93	
G156	270.39	177.97	81.95	181.88	264.88	192.7	80.9	183.98	270.39	
G157	267.73	172.62	83.48	173.71	257.19	186.37	82.7	179.45	267.73	
G158	264.34	168.48	85.12	165.98	248.4	179.34	84.34	175.59	264.34	
G159	261.56	164.41	86.64	157.34	239.1	172.07	85.9	171.25	261.56	
G160	258.05	160.59	88.28	149.22	229.45	164.38	87.66	167.42	258.05	
G161	253.83	157.11	89.8	141.33	219.38	156.91	89.61	164.18	253.83	
G162	246.68	152.93	91.29	133.91	208.91	149.77	91.29	160.9	246.68	
G163	238.28	149.1	93.01	127.11	197.93	141.95	92.93	156.84	238.28	
G164	231.02	145.27	94.41	121.37	186.76	135.35	94.77	153.55	231.02	
G165	223.2	141.45	95.94	116.17	175.0	128.4	96.84	149.65	223.2	
G166	216.56	137.58	97.23	110.94	163.2	121.76	97.97	145.94	216.56	
G167	209.14	133.28	98.55	106.99	150.86	116.45	99.49	142.34	209.14	
G168	202.66	128.98	100.16	104.77	139.3	110.39	101.37	138.63	202.66	
G169	192.03	124.65	101.33	103.24	128.67	105.47	102.81	133.95	192.03	
G170	182.85	120.23	102.58	102.7	118.05	102.73	104.3	130.31	182.85	
G171	174.3	115.47	104.1	102.19	107.89	101.45	105.47	125.98	174.3	
G172	164.8	111.6	105.31	102.27	99.02	100.86	107.34	122.15	164.8	
G173	149.8	108.67	106.37	102.19	91.52	101.02	108.83	116.68	149.8	
G174	134.77	106.52	107.42	102.07	81.45	100.9	109.84	113.2	134.77	
G175	121.72	105.39	108.95	102.3	72.03	100.98	110.94	111.17	121.72	
G176	111.72	105.47	109.96	103.28	64.3	101.37	111.99	110.0	111.72	
G177	102.23	105.66	111.33	104.61	60.78	101.6	112.54	109.45	102.23	
G178	93.63	105.86	112.54	106.64	62.03	102.03	113.32	109.06	93.63	
G179	85.08	104.8	113.09	108.16	66.76	102.66	113.91	109.45	85.08	
G180	77.58	0.0	0.0	0.0	77.98	103.76	114.3	109.76	77.58	

C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.25
 Operators:
 Test Date: 2024/6/13 10:12:04

G Range: 0 - 180 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 1
 Test Distance: 6.25 m
 Remarks: