

Report No.:

Test Time: 2022/4/21 10:41:11

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: 0
 Luminaire Type: 6378-6377-线条灯-38°-20W
 Lamp Type:
 Luminous Width: 0 mm
 Luminous Length: 0 mm
 Luminous Height: 0 mm

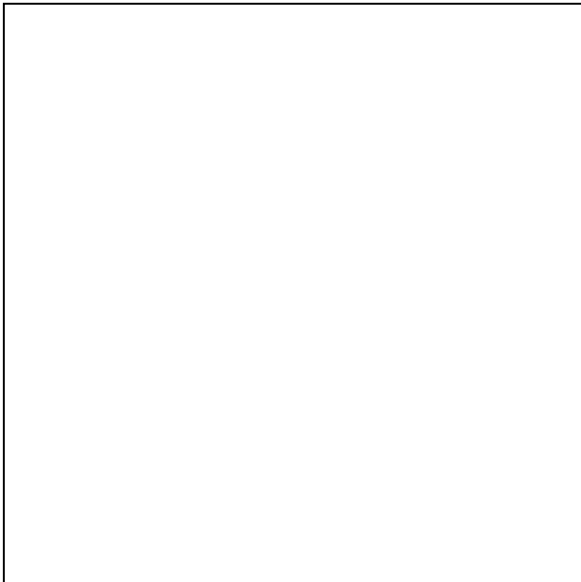
Voltage(V): 219.30 V
 Current(A): 0.1690 A
 Power(W): 20.86 W
 Power Factor: 0.5600
 Lamp Luminous Flux: 1593.87

Photometric Results

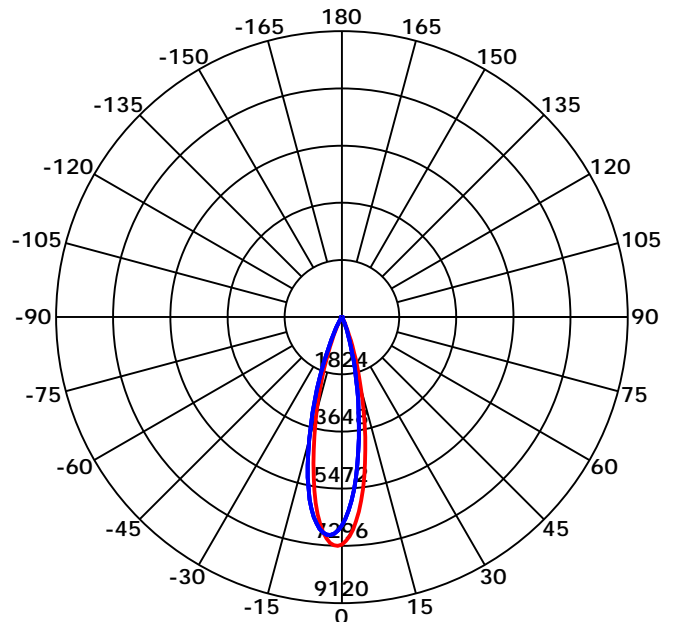
CIE Class: Direct
 Luminaire Luminous Flux: 1593.866 lm
 Downward Ratio: 100.00%
 Luminaire Efficacy Rating(LER): 76.40 lm/W
 Beam Angle(50%) C0-180,C90-270: 25.2,25.3
 Field Angle(10%) C0-180,C90-270: 44.9,44.2
 S/MH C0-180,C90-270: 0.425,0.425

Max. Intensity: 7296.38 cd
 Max.Intensity Angle: C=180 Gamma=1
 Upward Ratio: 0.00%
 Efficacy: 100.00%
 Center Intensity: 7250.50 cd
 Effective Luminous Flux: 1454.48 lm
 ERP(φ use)(120deg): 1593.87 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 25.2 deg,25.3 deg

C0-180 ——— C90-270 ———

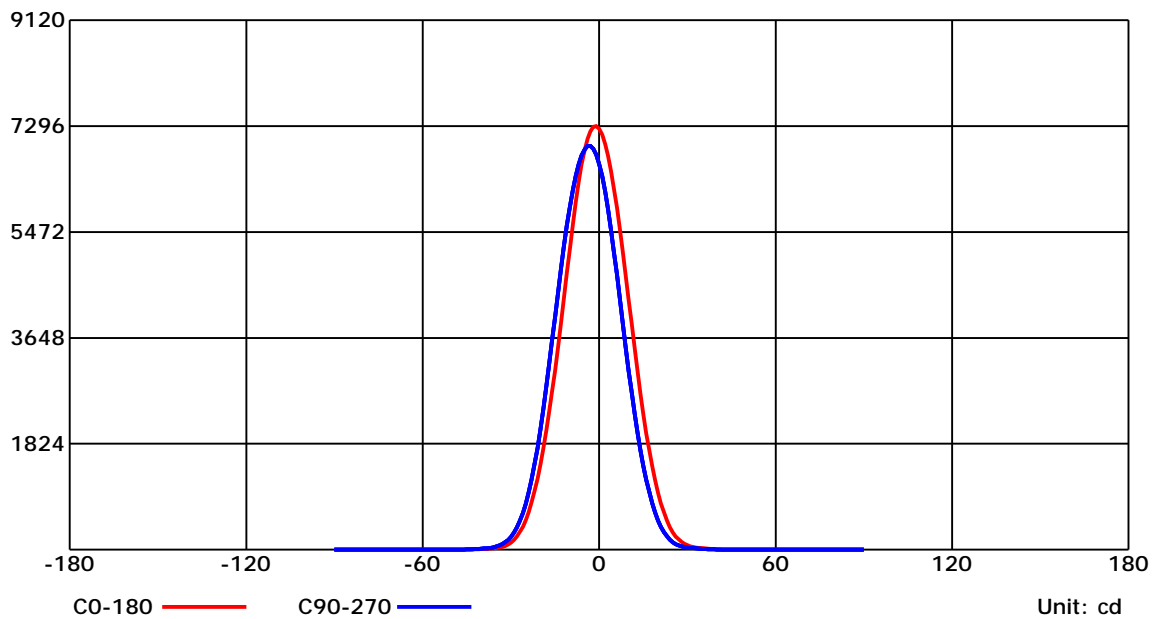
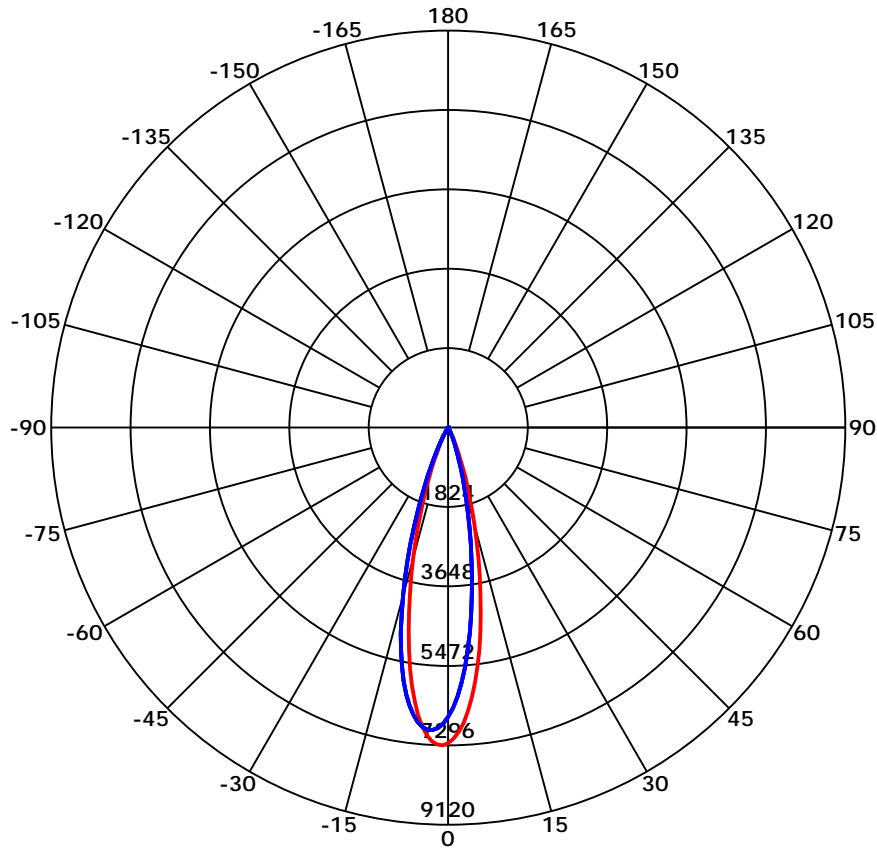
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.15
 Operators:
 Test Date: 2022/4/21 10:41:11

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.15 m
 Remarks:

Report No.:

Test Time: 2022/4/21 10:41:11

Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.15

Operators:

Test Date: 2022/4/21 10:41:11

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity: 1

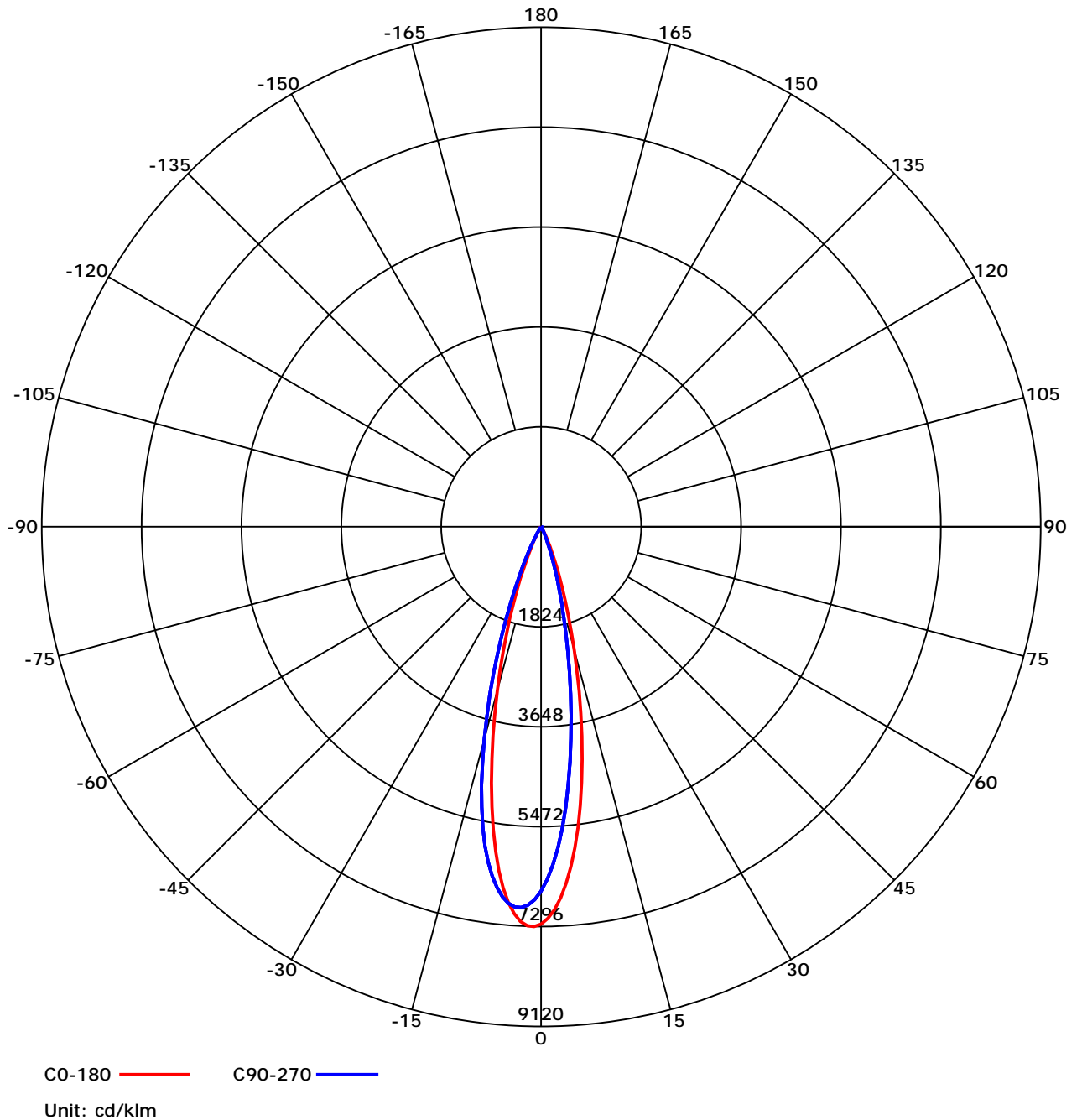
Test Distance: 6.15 m

Remarks:

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Test Time: 2022/4/21 10:41:11

Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.15

Operators:

Test Date: 2022/4/21 10:41:11

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity: 1

Test Distance: 6.15 m

Remarks:

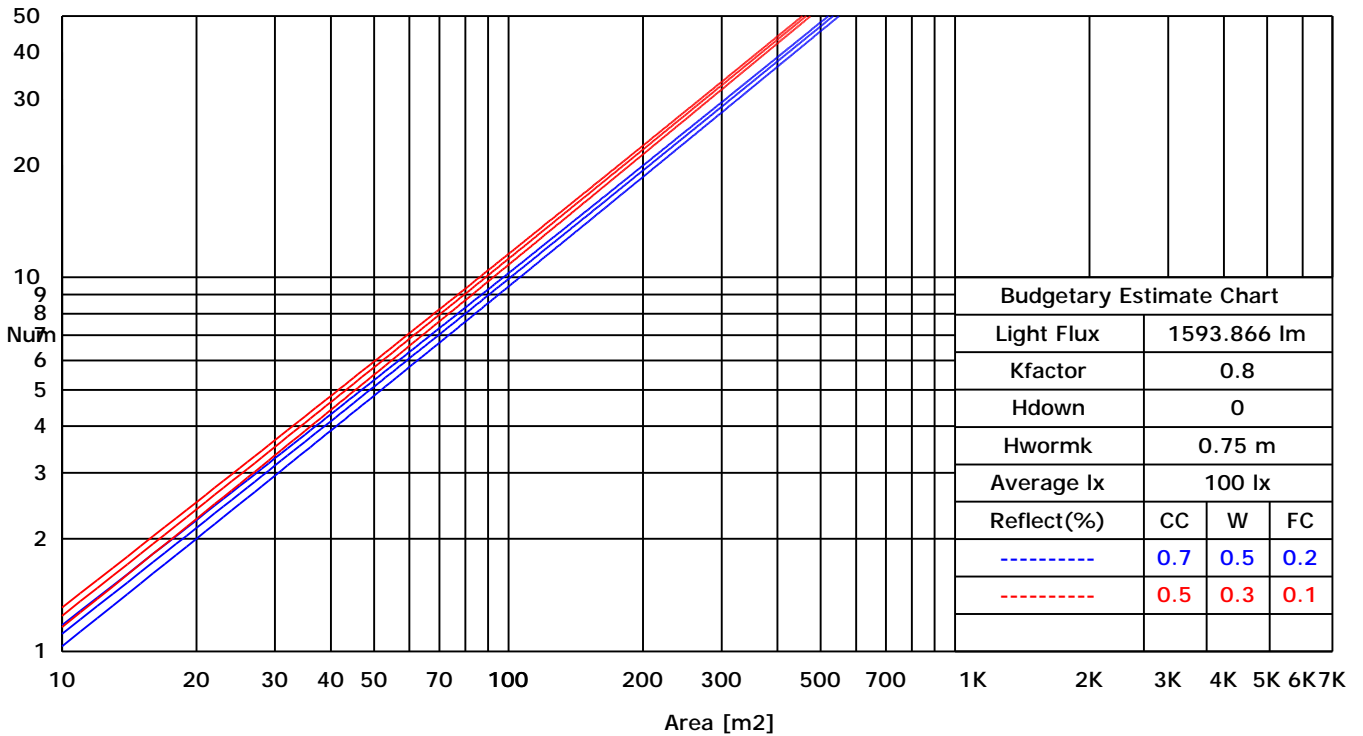
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UTILIZATION FACTORS TABLE

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	0.86	0.83	0.80	0.86	0.82	0.78	0.84	0.79	0.75	0.80	0.76	0.72	0.75	0.71	0.67	0.61
2	0.83	0.80	0.78	0.83	0.79	0.77	0.81	0.77	0.74	0.78	0.74	0.70	0.74	0.70	0.65	0.61
3	0.81	0.79	0.77	0.81	0.78	0.75	0.79	0.75	0.72	0.77	0.72	0.69	0.73	0.68	0.64	0.60
4	0.80	0.77	0.76	0.79	0.76	0.74	0.78	0.74	0.71	0.75	0.71	0.67	0.72	0.67	0.63	0.59
5	0.78	0.76	0.75	0.78	0.75	0.73	0.76	0.73	0.70	0.74	0.70	0.66	0.71	0.66	0.63	0.59
6	0.77	0.75	0.74	0.76	0.74	0.72	0.75	0.71	0.69	0.73	0.69	0.66	0.70	0.65	0.62	0.58
7	0.76	0.74	0.73	0.75	0.73	0.72	0.74	0.70	0.68	0.72	0.68	0.65	0.69	0.65	0.61	0.57
8	0.75	0.73	0.73	0.74	0.72	0.71	0.73	0.70	0.67	0.71	0.67	0.64	0.68	0.64	0.60	0.57
9	0.74	0.73	0.72	0.73	0.71	0.70	0.72	0.69	0.67	0.70	0.66	0.63	0.67	0.63	0.60	0.56
10	0.73	0.72	0.71	0.72	0.71	0.69	0.71	0.68	0.66	0.69	0.65	0.63	0.66	0.62	0.59	0.56

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



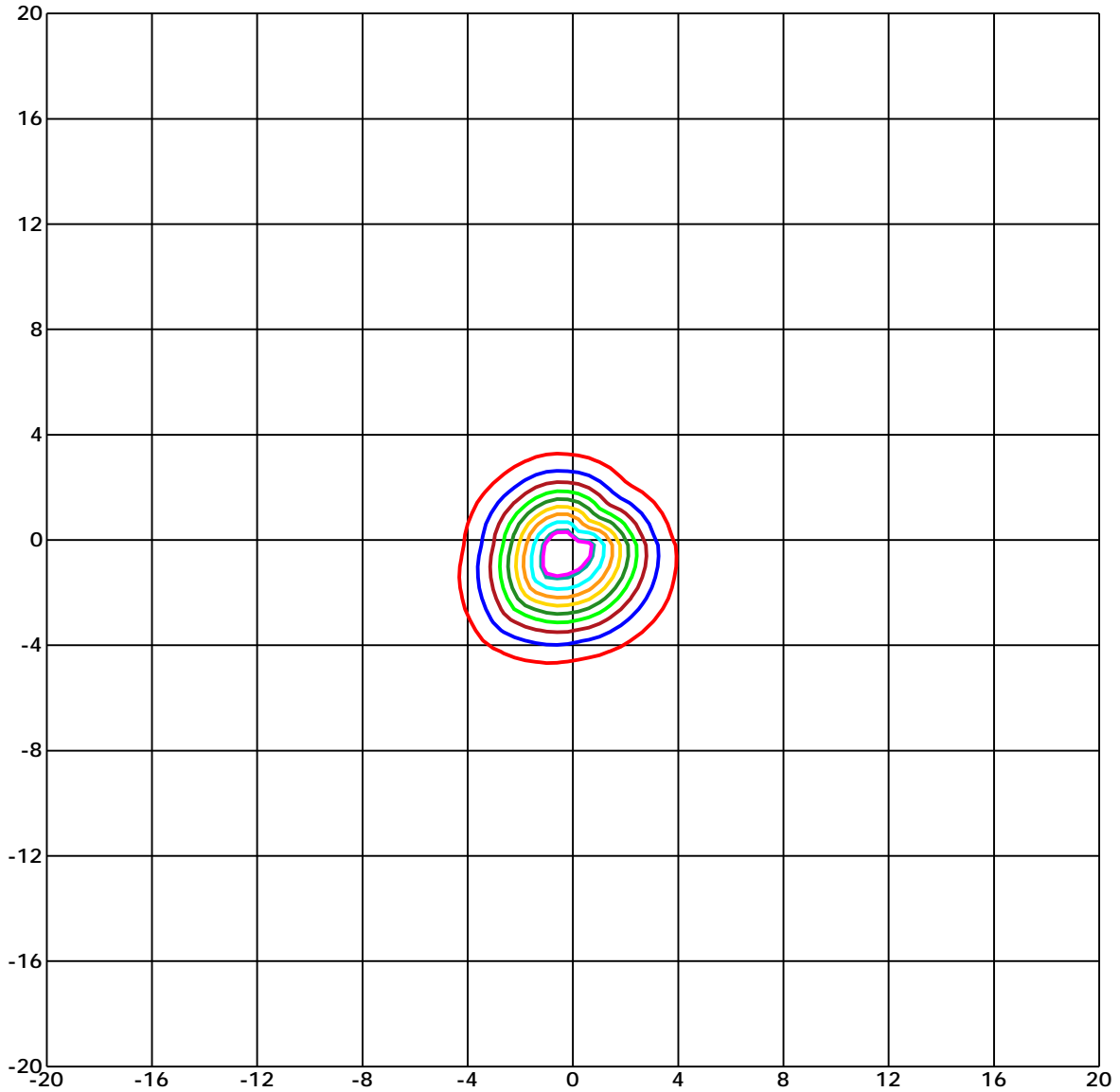
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.15
 Operators:
 Test Date: 2022/4/21 10:41:11

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.15 m
 Remarks:

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ISOLX DIAGRAM



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

- | | |
|-------------------------------|-------------------------------|
| — 67.096(1%E _{max}) | — 36.465(0%E _{max}) |
| — 65.637(1%E _{max}) | — 29.172(0%E _{max}) |
| — 58.344(1%E _{max}) | — 21.879(0%E _{max}) |
| — 51.051(1%E _{max}) | — 14.586(0%E _{max}) |
| — 43.758(1%E _{max}) | — 7.293(0%E _{max}) |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.15

Operators:

Test Date: 2022/4/21 10:41:11

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity: 1

Test Distance: 6.15 m

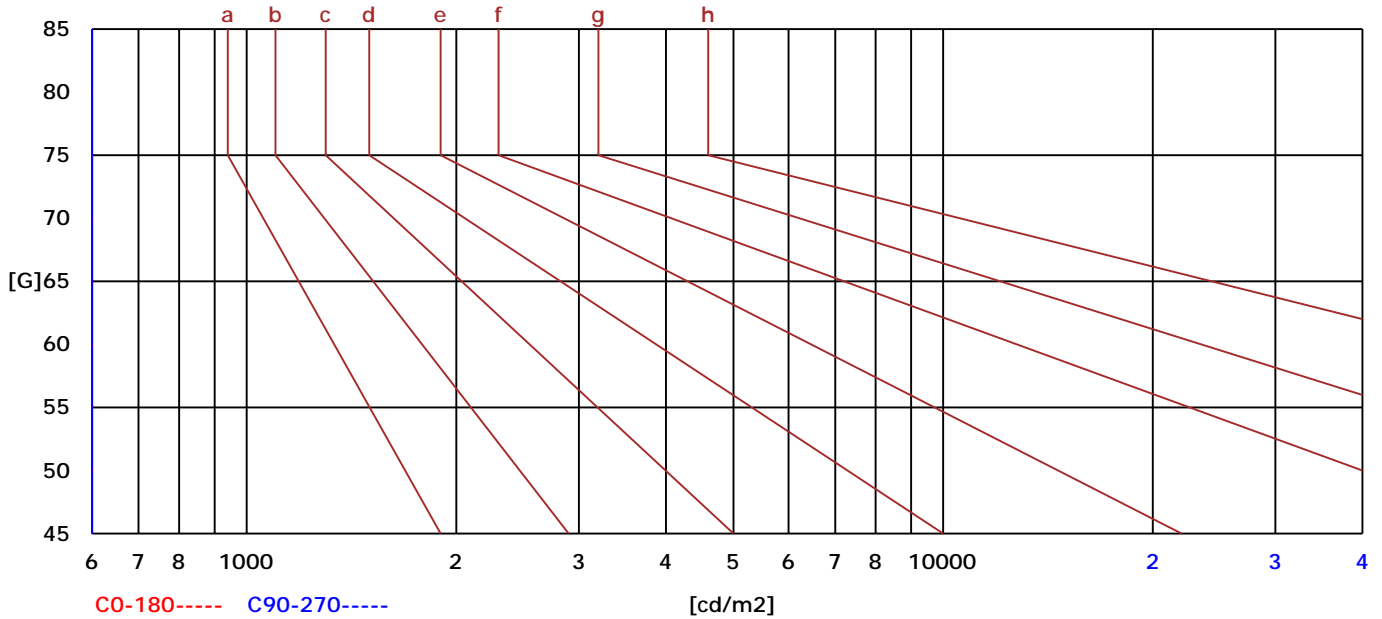
Remarks:

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BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0
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: 6.15

Operators:

Test Date: 2022/4/21 10:41:11

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity: 1

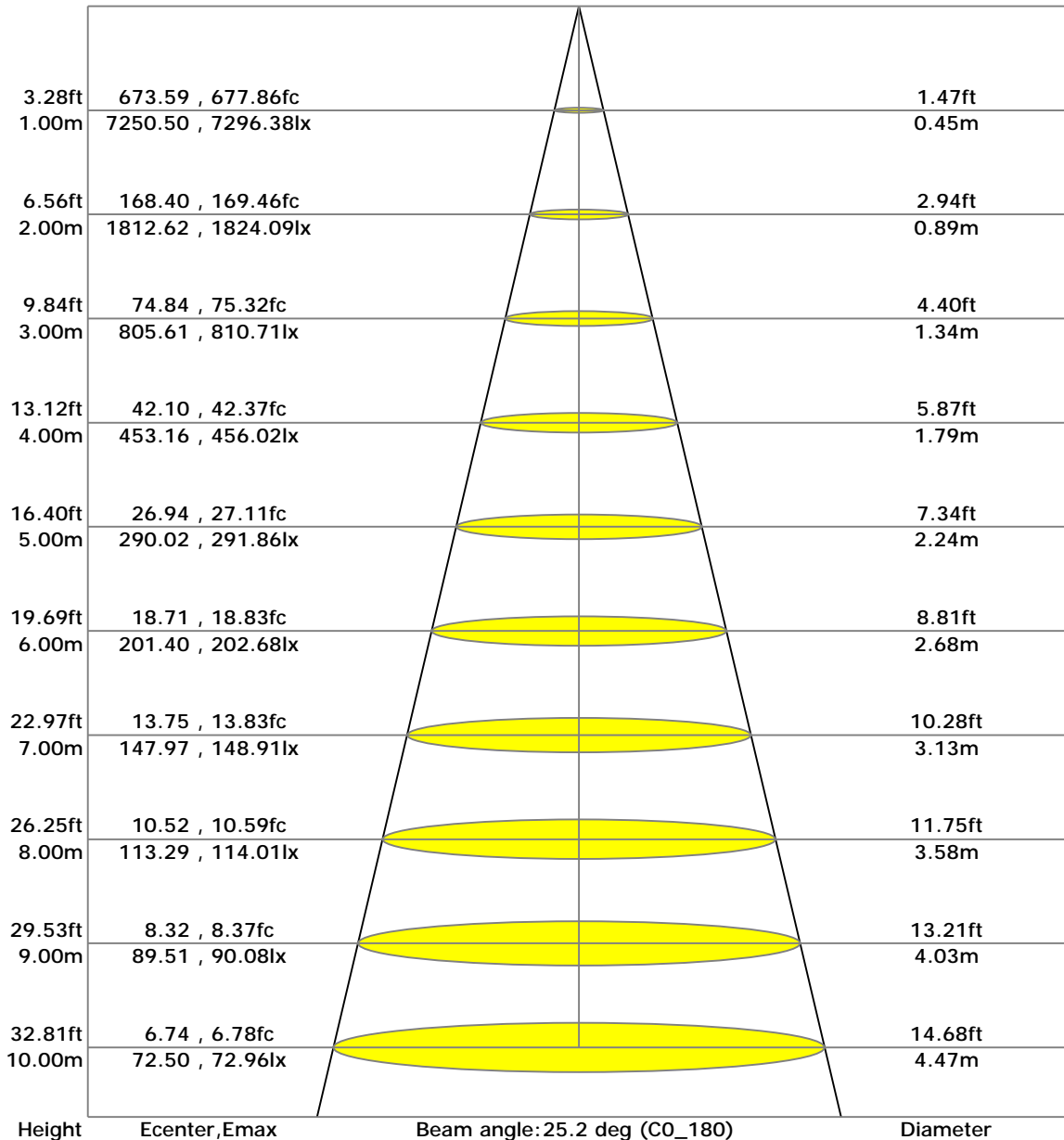
Test Distance: 6.15 m

Remarks:

Report No.:

Test Time: 2022/4/21 10:41:11

LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.15
 Operators:
 Test Date: 2022/4/21 10:41:11

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.15 m
 Remarks:

Report No.:

Test Time: 2022/4/21 10:41:11

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	1.48	1.53	1.68	1.72	1.96	1.48	1.53	1.68	1.72	1.96
3H	1.45	1.51	1.66	1.71	1.95	1.45	1.51	1.66	1.71	1.95
4H	1.44	1.50	1.65	1.70	1.95	1.44	1.50	1.65	1.70	1.95
6H	1.43	1.49	1.65	1.69	1.94	1.43	1.49	1.65	1.69	1.94
8H	1.42	1.48	1.64	1.69	1.94	1.42	1.48	1.64	1.69	1.94
12H	1.41	1.48	1.64	1.68	1.94	1.41	1.48	1.64	1.68	1.94
4H 2H	1.44	1.50	1.65	1.70	1.95	1.44	1.50	1.65	1.70	1.95
3H	1.41	1.48	1.64	1.68	1.94	1.41	1.48	1.64	1.68	1.94
4H	1.40	1.46	1.63	1.67	1.93	1.40	1.46	1.63	1.67	1.93
6H	1.38	1.44	1.62	1.66	1.92	1.38	1.44	1.62	1.66	1.92
8H	1.37	1.43	1.61	1.65	1.92	1.37	1.43	1.61	1.65	1.92
12H	1.35	1.41	1.60	1.65	1.92	1.35	1.41	1.60	1.65	1.92
8H 4H	1.42	1.48	1.64	1.69	1.94	1.42	1.48	1.64	1.69	1.94
6H	1.34	1.40	1.60	1.64	1.91	1.34	1.40	1.60	1.64	1.91
8H	1.33	1.39	1.59	1.63	1.91	1.33	1.39	1.59	1.63	1.91
12H	1.31	1.37	1.58	1.62	1.91	1.31	1.37	1.58	1.62	1.91
12H 4H	1.35	1.41	1.60	1.65	1.92	1.35	1.41	1.60	1.65	1.92
6H	1.33	1.39	1.59	1.63	1.91	1.33	1.39	1.59	1.63	1.91

C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
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 Temperature: 6.15
 Operators:
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G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.15 m
 Remarks:

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ZONAL LUMINOUS FLUX TABLE

Gamma [deg]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0	6805.94	0.00	0.00	0.00	0.00
5	6388.50	154.92	154.92	9.72	9.72
10	4951.74	382.37	537.30	23.99	33.71
15	3127.20	429.47	966.77	26.95	60.66
20	1588.37	327.52	1294.29	20.55	81.20
25	652.01	185.16	1479.45	11.62	92.82
30	202.30	77.44	1556.90	4.86	97.68
35	55.49	25.76	1582.66	1.62	99.30
40	15.87	8.11	1590.77	0.51	99.81
45	4.17	2.50	1593.27	0.16	99.96
50	0.58	0.57	1593.84	0.04	100.00
55	0.00	0.03	1593.87	0.00	100.00
60	0.00	0.00	1593.87	0.00	100.00
65	0.00	0.00	1593.87	0.00	100.00
70	0.00	0.00	1593.87	0.00	100.00
75	0.00	0.00	1593.87	0.00	100.00
80	0.00	0.00	1593.87	0.00	100.00
85	0.00	0.00	1593.87	0.00	100.00
90	0.00	0.00	1593.87	0.00	100.00

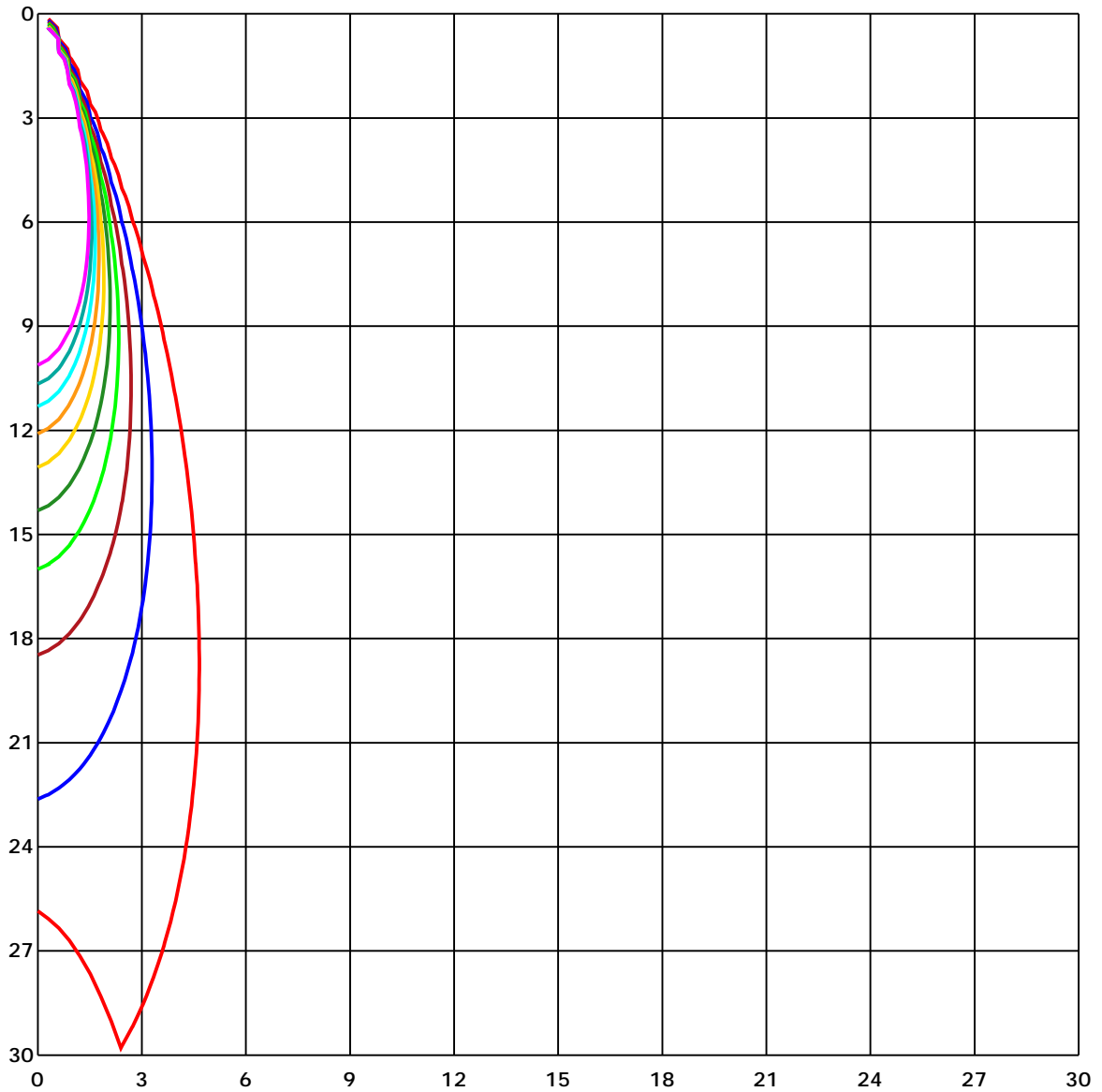
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.15
 Operators:
 Test Date: 2022/4/21 10:41:11

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.15 m
 Remarks:

Report No.:

Test Time: 2022/4/21 10:41:11

SPACE ISOLX DIAGRAM



Unit of illumination: lx

- | | |
|----------|----------|
| — 70.837 | — 35.419 |
| — 63.754 | — 28.335 |
| — 56.67 | — 21.251 |
| — 49.586 | — 14.167 |
| — 42.502 | — 7.084 |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.15

Operators:

Test Date: 2022/4/21 10:41:11

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity: 1

Test Distance: 6.15 m

Remarks:

Report No.:

Test Time: 2022/4/21 10:41:11

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma/C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	7250.5	6374.04	6647.42	6951.81	7250.5	6374.04	6647.42	6951.81	7250.5	
G1	7145.92	6051.45	6432.32	6851.47	7296.38	6645.68	6807.71	6988.35	7145.92	
G2	6990.02	5694.67	6171.01	6699.2	7283.44	6863.8	6907.6	6969.4	6990.02	
G3	6783.24	5303.36	5862.64	6490.04	7210.63	7024.47	6957.03	6900.26	6783.24	
G4	6528.13	4897.48	5515.54	6227.93	7075.91	7132.0	6953.1	6777.87	6528.13	
G5	6226.04	4468.62	5134.97	5911.81	6880.93	7193.65	6896.78	6601.92	6226.04	
G6	5889.19	4049.09	4736.1	5563.39	6633.05	7202.65	6790.73	6376.5	5889.19	
G7	5521.14	3630.7	4318.12	5180.28	6328.88	7164.87	6634.07	6109.51	5521.14	
G8	5134.48	3227.47	3902.6	4773.77	5981.67	7072.2	6437.84	5806.81	5134.48	
G9	4727.06	2846.26	3488.29	4362.6	5595.69	6926.28	6195.36	5472.39	4727.06	
G10	4312.22	2484.79	3091.95	3949.73	5188.34	6724.95	5914.19	5111.45	4312.22	
G11	3892.24	2141.55	2709.72	3536.22	4759.85	6468.59	5584.57	4726.45	3892.24	
G12	3479.67	1833.6	2350.1	3137.57	4328.33	6158.26	5227.07	4333.14	3479.67	
G13	3082.16	1551.48	2019.34	2758.32	3907.56	5811.2	4843.21	3933.09	3082.16	
G14	2695.08	1301.62	1718.5	2402.22	3498.47	5427.64	4435.75	3538.33	2695.08	
G15	2341.18	1082.67	1445.73	2075.25	3099.4	5015.72	4026.28	3153.83	2341.18	
G16	2008.68	887.88	1207.07	1768.77	2727.23	4599.41	3606.22	2787.44	2008.68	
G17	1710.26	718.44	993.45	1494.48	2375.52	4177.8	3201.52	2447.87	1710.26	
G18	1442.48	569.87	802.71	1245.91	2044.72	3764.1	2808.7	2133.08	1442.48	
G19	1199.16	446.08	640.94	1027.18	1747.25	3371.46	2429.42	1845.47	1199.16	
G20	984.22	342.29	503.04	831.87	1471.18	3005.0	2078.23	1585.18	984.22	
G21	797.68	261.16	391.35	667.91	1225.49	2668.49	1755.0	1355.18	797.68	
G22	639.12	196.98	301.26	526.83	1007.4	2361.79	1470.31	1152.83	639.12	
G23	500.62	147.47	230.83	411.05	814.96	2083.53	1209.75	965.31	500.62	
G24	388.66	110.63	173.49	316.01	647.45	1805.04	985.81	788.98	388.66	
G25	298.34	83.51	130.83	238.17	507.09	1524.44	789.51	632.39	298.34	
G26	226.59	62.71	97.51	179.01	393.05	1268.42	629.29	498.65	226.59	
G27	176.22	47.62	73.34	132.3	302.62	1044.81	489.54	389.65	176.22	
G28	131.89	37.94	56.32	97.43	225.46	848.09	379.78	299.4	131.89	
G29	100.99	29.8	43.5	70.77	166.57	684.7	291.84	230.23	100.99	
G30	76.4	25.95	35.59	50.53	121.52	546.19	221.56	176.44	76.4	
G31	58.25	22.5	28.97	36.31	87.98	433.11	168.42	134.53	58.25	
G32	45.65	16.04	26.93	27.16	63.09	341.73	129.39	103.18	45.65	
G33	36.35	12.48	21.86	23.75	45.92	265.06	95.12	80.11	36.35	
G34	28.82	10.67	16.6	16.45	35.52	202.09	71.52	62.22	28.82	
G35	26.74	8.25	13.58	12.1	27.88	152.77	55.18	49.66	26.74	
G36	21.41	5.98	11.61	9.76	23.64	115.17	41.04	40.85	21.41	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.15

Operators:

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G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity: 1

Test Distance: 6.15 m

Remarks:

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Test Time: 2022/4/21 10:41:11

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

GammaC	C0	C45	C90	C135	C180	C225	C270	C315	C360
G37	15.36	3.97	9.38	7.9	17.21	86.16	31.28	34.08	15.36
G38	12.14	2.08	7.41	5.6	14.11	62.44	25.98	29.09	12.14
G39	10.1	0.42	5.3	3.97	11.72	45.84	22.81	26.82	10.1
G40	8.06	0.0	3.71	2.12	10.02	36.61	16.53	21.75	8.06
G41	6.24	0.0	2.16	0.64	8.09	29.09	12.22	16.53	6.24
G42	4.08	0.0	1.17	0.0	5.82	23.98	10.14	13.84	4.08
G43	2.12	0.0	0.38	0.0	4.31	17.4	7.94	11.65	2.12
G44	0.64	0.0	0.11	0.0	2.57	14.45	6.17	9.42	0.64
G45	0.0	0.0	0.0	0.0	1.17	12.25	4.61	7.3	0.0
G46	0.0	0.0	0.0	0.0	0.42	10.17	2.99	5.14	0.0
G47	0.0	0.0	0.0	0.0	0.0	8.06	1.1	3.1	0.0
G48	0.0	0.0	0.0	0.0	0.0	5.9	0.0	1.55	0.0
G49	0.0	0.0	0.0	0.0	0.0	3.97	0.0	0.68	0.0
G50	0.0	0.0	0.0	0.0	0.0	2.19	0.0	0.08	0.0
G51	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0
G52	0.0	0.0	0.0	0.0	0.0	0.42	0.0	0.0	0.0
G53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G73	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.15

Operators:

Test Date: 2022/4/21 10:41:11

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity: 1

Test Distance: 6.15 m

Remarks:

Report No.:

Test Time: 2022/4/21 10:41:11

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 2)

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G76	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G81	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	