

Report No.:

Test Time: 2022/8/27 9:25:53

## LUMINAIRE PHOTOMETRIC TEST REPORT

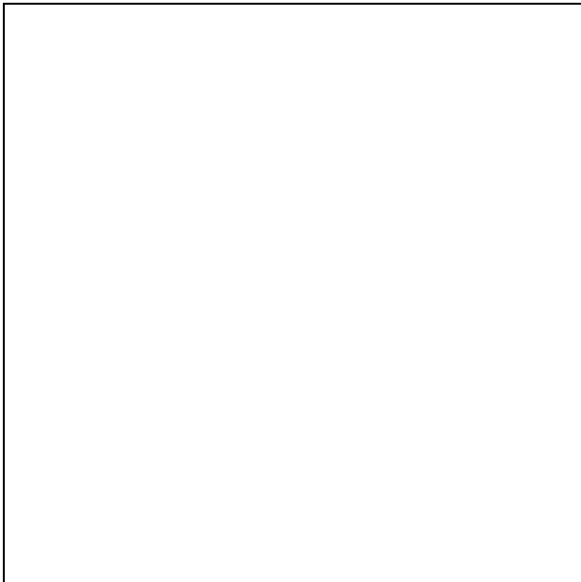
### Luminaire Property

Manufacturer: 0	Voltage(V): 219.70 V
Luminaire Type: 6372	Current(A): 0.0400 A
Lamp Type:	Power(W): 4.58 W
Luminous Width: 0 mm	Power Factor: 0.5100
Luminous Length: 0 mm	Lamp Luminous Flux: 300.90
Luminous Height: 0 mm	

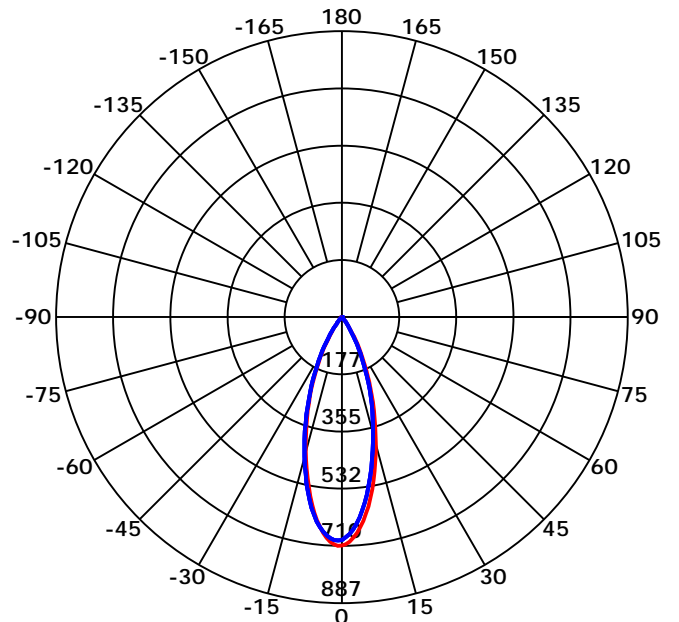
### Photometric Results

CIE Class: Direct	Max. Intensity: 709.76 cd
Luminaire Luminous Flux: 300.8951 lm	Max. Intensity Angle: C=180 Gamma=1
Downward Ratio: 100.00%	Upward Ratio: 0.00%
Luminaire Efficacy Rating(LER): 65.70 lm/W	Efficacy: 100.00%
Beam Angle(50%) C0-180,C90-270: 35.1,35.1	Center Intensity: 708.57 cd
Field Angle(10%) C0-180,C90-270: 64.8,64.7	Effective Luminous Flux: 274.68 lm
S/MH C0-180,C90-270: 0.573,0.573	ERP( $\varphi$ use)(120deg): 299.10 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 35.1 deg,35.1 deg

C0-180 — C90-270 —

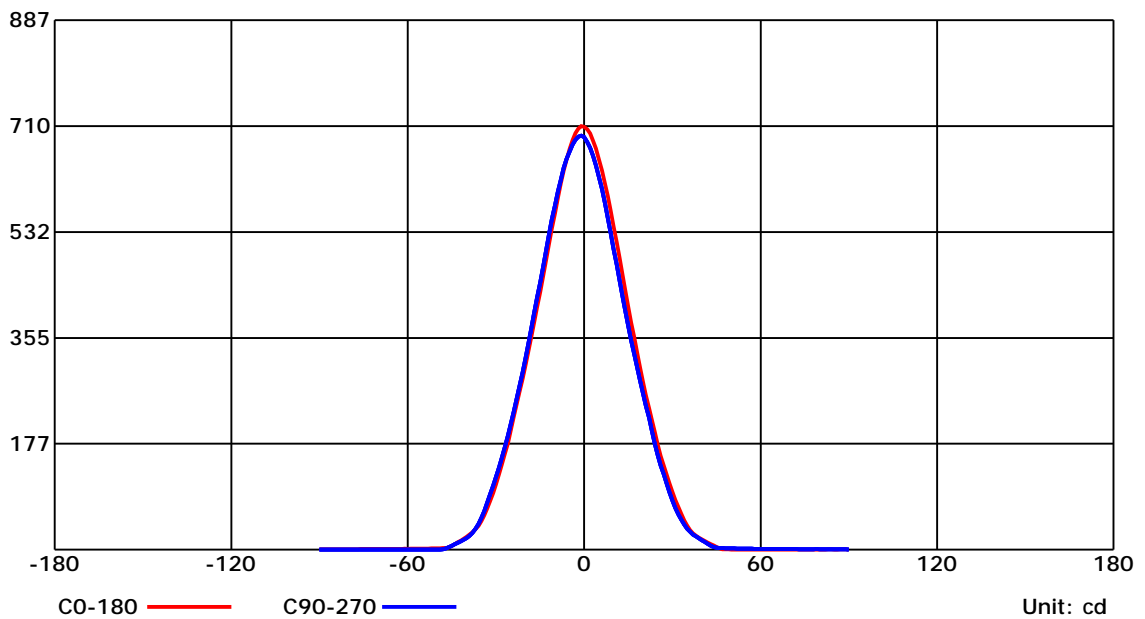
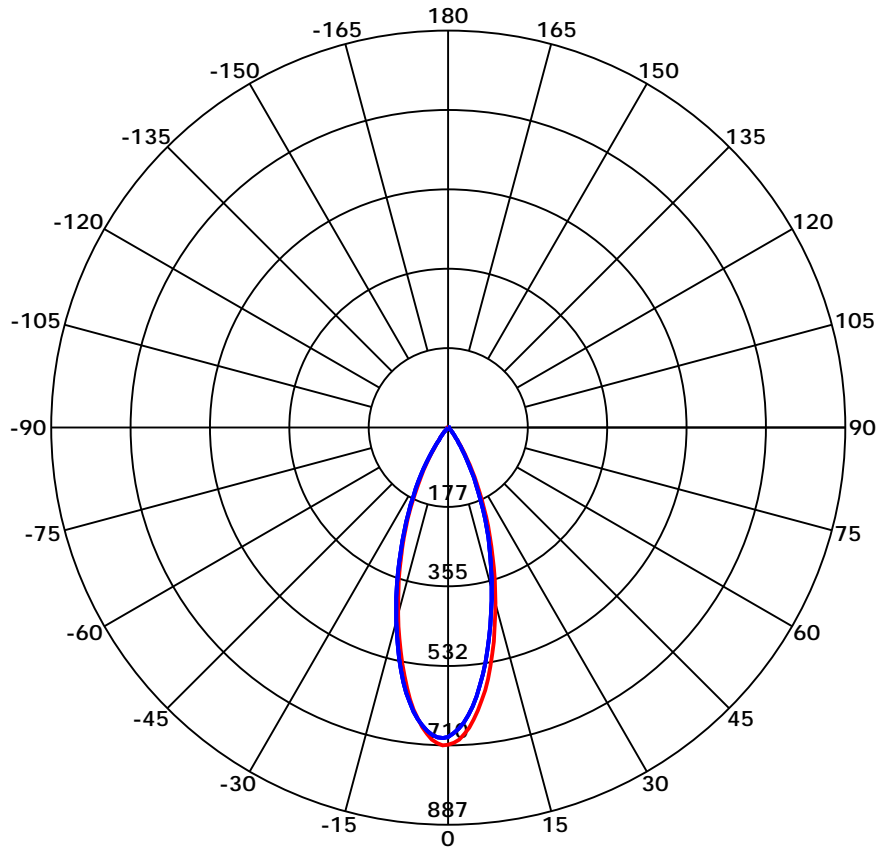
C Range: 0 - 360 Deg  
 C Interval: 45.0 Deg  
 Test Speed: High  
 Temperature: 6.38  
 Operators:  
 Test Date: 2022/8/27 9:25:53

G Range: 0 - 90 Deg  
 G Interval: 1.0 Deg  
 Test System: Huipu CPM-1800B Goniophotometer  
 Humidity: 1.13  
 Test Distance: 6.38 m  
 Remarks:

Report No.:

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## Luminous Intensity Distribution Curve



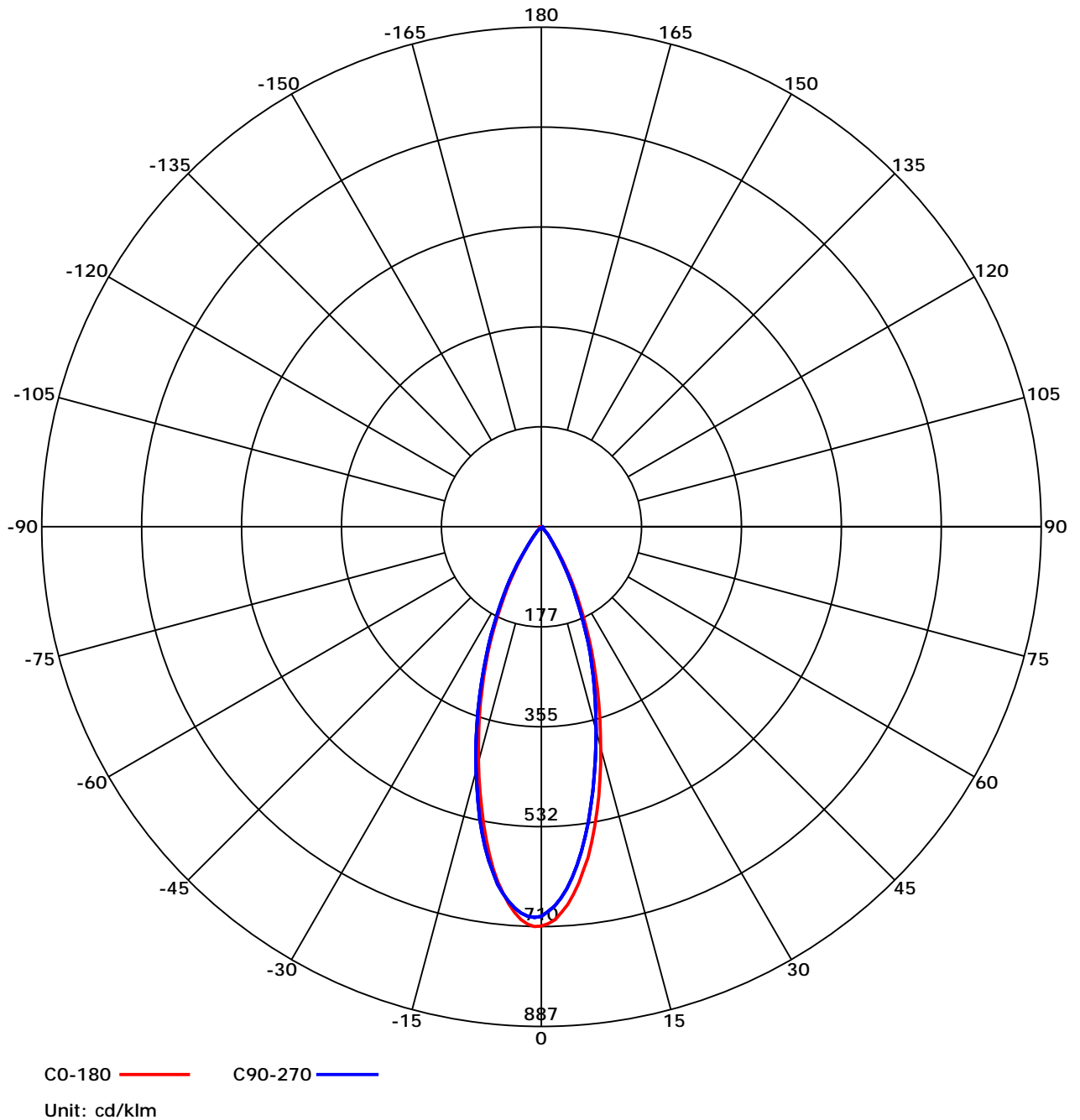
C Range: 0 - 360 Deg  
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 G Interval: 1.0 Deg  
 Test System: Huipu CPM-1800B Goniophotometer  
 Humidity: 1.13  
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## Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg  
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G Range: 0 - 90 Deg  
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 Humidity: 1.13  
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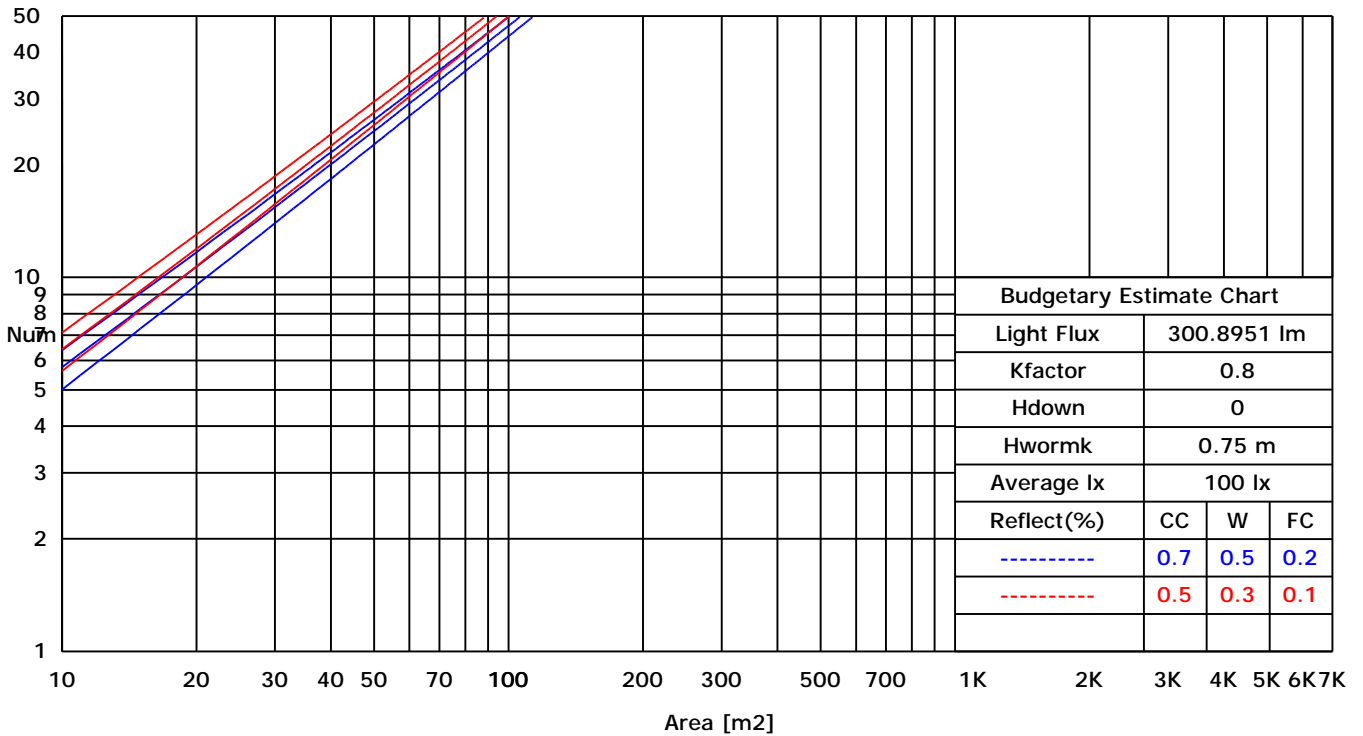
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### UTILIZATION FACTORS TABLE

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	0.99	0.97	0.95	0.98	0.95	0.93	0.95	0.92	0.89	0.90	0.87	0.85	0.84	0.81	0.79	0.73
2	0.95	0.93	0.91	0.94	0.92	0.90	0.91	0.88	0.86	0.88	0.84	0.81	0.82	0.79	0.76	0.71
3	0.92	0.90	0.89	0.91	0.89	0.87	0.88	0.85	0.83	0.85	0.82	0.79	0.81	0.77	0.74	0.69
4	0.89	0.87	0.86	0.88	0.86	0.84	0.86	0.83	0.81	0.83	0.79	0.76	0.79	0.75	0.72	0.68
5	0.87	0.85	0.84	0.86	0.84	0.82	0.84	0.81	0.78	0.81	0.77	0.74	0.77	0.73	0.70	0.66
6	0.84	0.83	0.82	0.84	0.81	0.80	0.81	0.78	0.76	0.79	0.75	0.72	0.75	0.71	0.68	0.64
7	0.82	0.81	0.80	0.81	0.80	0.78	0.79	0.76	0.74	0.77	0.73	0.71	0.74	0.70	0.67	0.63
8	0.80	0.79	0.78	0.80	0.78	0.76	0.77	0.75	0.73	0.75	0.71	0.69	0.72	0.68	0.65	0.62
9	0.79	0.77	0.77	0.78	0.76	0.75	0.76	0.73	0.71	0.73	0.70	0.67	0.71	0.67	0.64	0.60
10	0.77	0.76	0.75	0.76	0.74	0.73	0.74	0.71	0.70	0.72	0.68	0.66	0.69	0.65	0.62	0.59

### LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



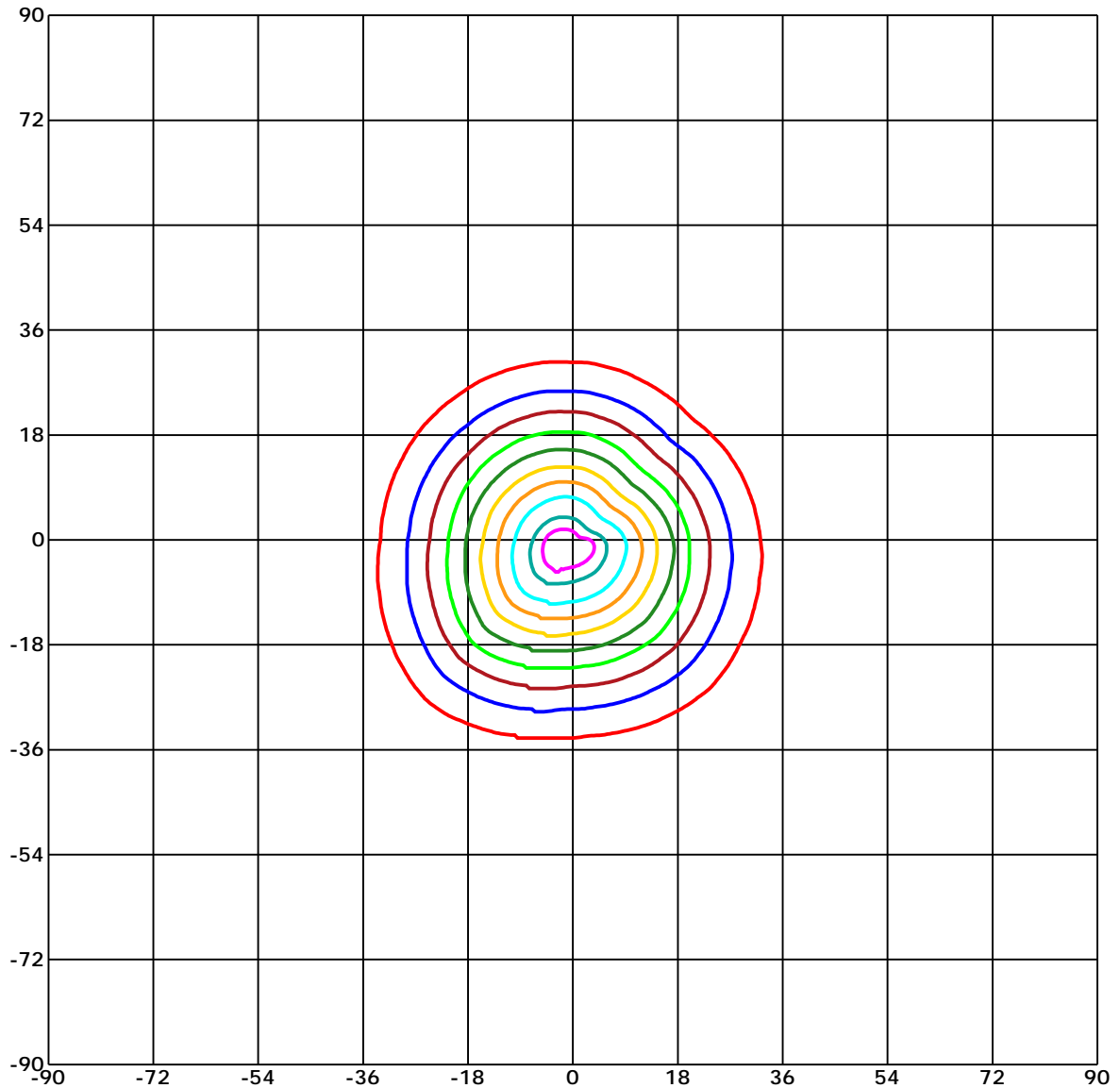
C Range: 0 - 360 Deg  
 C Interval: 45.0 Deg  
 Test Speed: High  
 Temperature: 6.38  
 Operators:  
 Test Date: 2022/8/27 9:25:53

G Range: 0 - 90 Deg  
 G Interval: 1.0 Deg  
 Test System: Huipu CPM-1800B Goniophotometer  
 Humidity: 1.13  
 Test Distance: 6.38 m  
 Remarks:

Report No.:

Test Time: 2022/8/27 9:25:53

## ISOCANDELA DIAGRAM (RECTANGULAR)



Unit of intensity:cd      Imax(100%): 709.764 cd

— 674.276(95%Imax)	— 354.882(50%Imax)
— 638.788(90%Imax)	— 283.906(40%Imax)
— 567.811(80%Imax)	— 212.929(30%Imax)
— 496.835(70%Imax)	— 141.953(20%Imax)
— 425.858(60%Imax)	— 70.976(10%Imax)

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.38

Operators:

Test Date: 2022/8/27 9:25:53

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity: 1.13

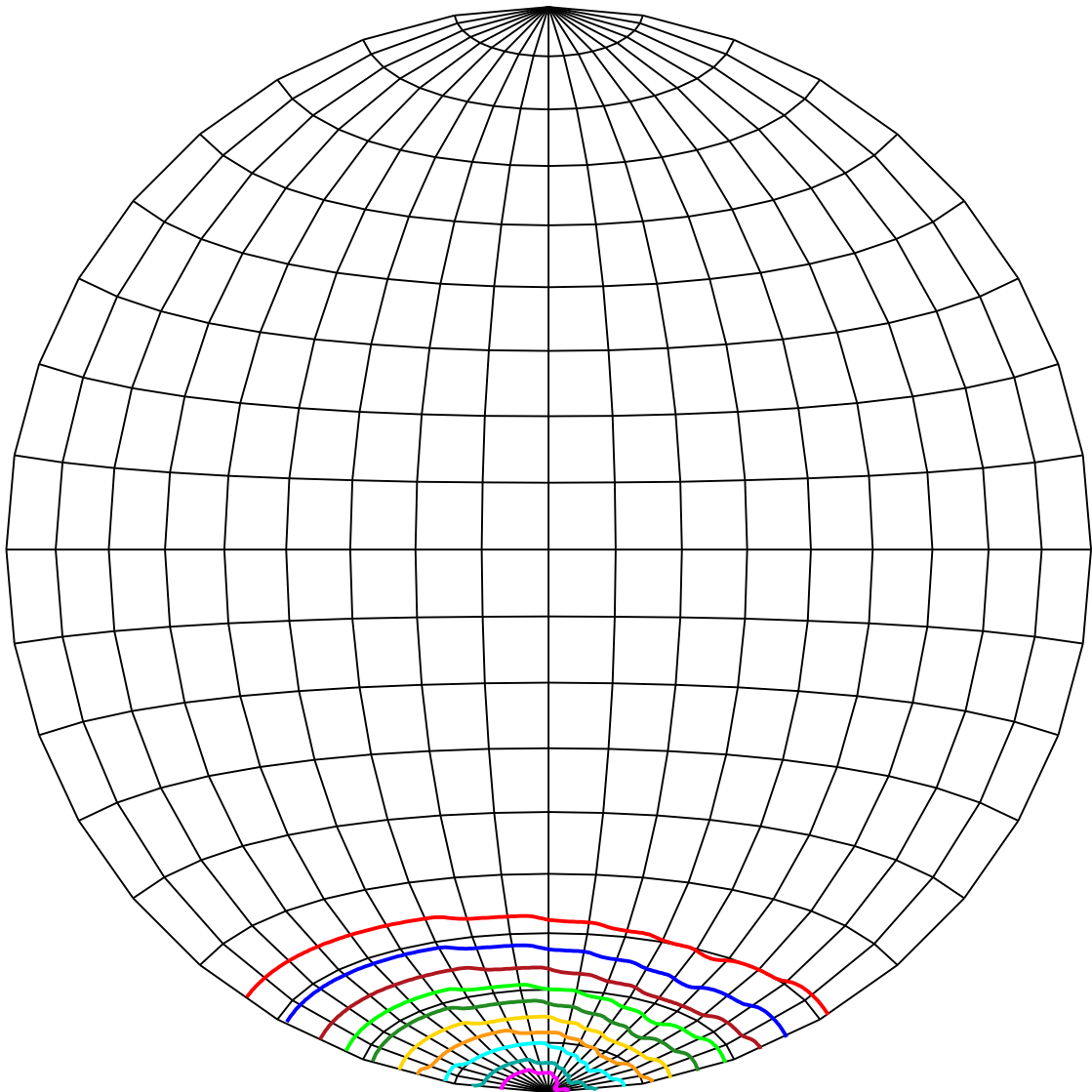
Test Distance: 6.38 m

Remarks:

Report No.:

Test Time: 2022/8/27 9:25:53

## ISOCANDELA DIAGRAM (SPHERE)



Unit of intensity:cd      I<sub>max</sub>(100%): 709.764 cd

— 674.276(95%I <sub>max</sub> )	— 354.882(50%I <sub>max</sub> )
— 638.788(90%I <sub>max</sub> )	— 283.906(40%I <sub>max</sub> )
— 567.811(80%I <sub>max</sub> )	— 212.929(30%I <sub>max</sub> )
— 496.835(70%I <sub>max</sub> )	— 141.953(20%I <sub>max</sub> )
— 425.858(60%I <sub>max</sub> )	— 70.976(10%I <sub>max</sub> )

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.38

Operators:

Test Date: 2022/8/27 9:25:53

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity: 1.13

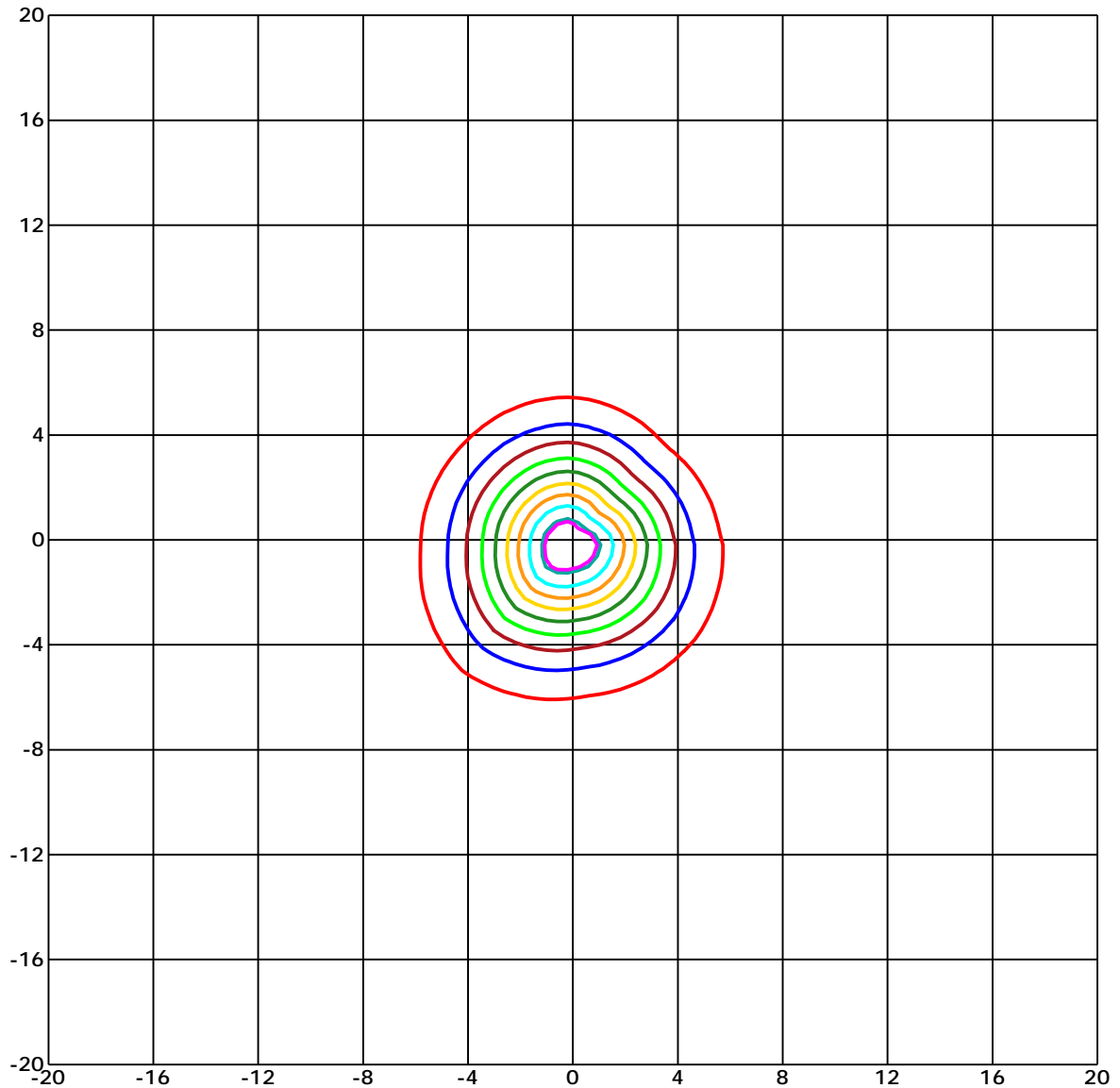
Test Distance: 6.38 m

Remarks:

Report No.:

Test Time: 2022/8/27 9:25:53

## ISOLX DIAGRAM



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

— 6.527(1%Emax)	— 3.547(0%Emax)
— 6.385(1%Emax)	— 2.838(0%Emax)
— 5.676(1%Emax)	— 2.128(0%Emax)
— 4.966(1%Emax)	— 1.419(0%Emax)
— 4.257(1%Emax)	— 0.709(0%Emax)

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.38

Operators:

Test Date: 2022/8/27 9:25:53

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity: 1.13

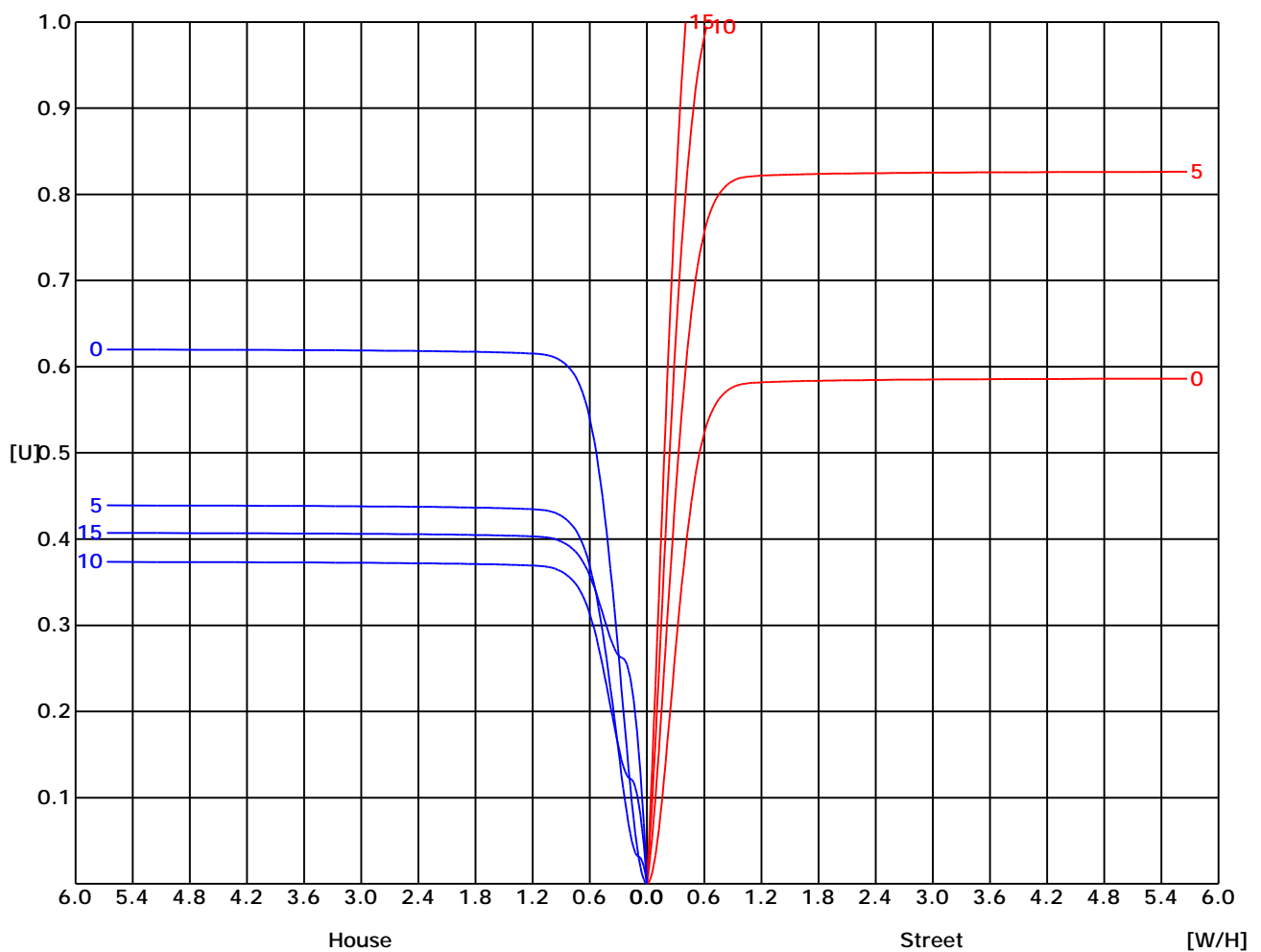
Test Distance: 6.38 m

Remarks:

Report No.:

Test Time: 2022/8/27 9:25:53

## UTILIZATION FACTOR DIAGRAM (ROAD)



C Range: 0 - 360 Deg  
 C Interval: 45.0 Deg  
 Test Speed: High  
 Temperature: 6.38  
 Operators:  
 Test Date: 2022/8/27 9:25:53

G Range: 0 - 90 Deg  
 G Interval: 1.0 Deg  
 Test System: Huipu CPM-1800B Goniophotometer  
 Humidity: 1.13  
 Test Distance: 6.38 m  
 Remarks:

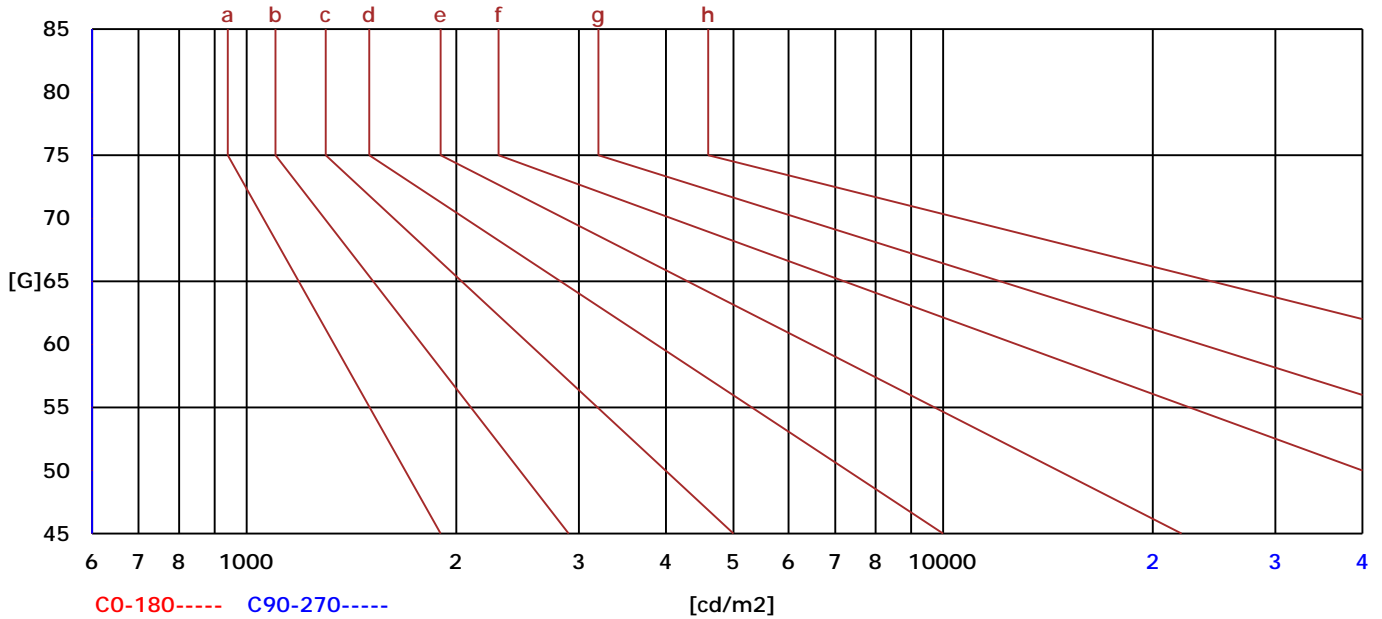


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## BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	5	0	0	0	0	0	4	0	13
C90	70	4	2	2	0	0	4	13	40
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



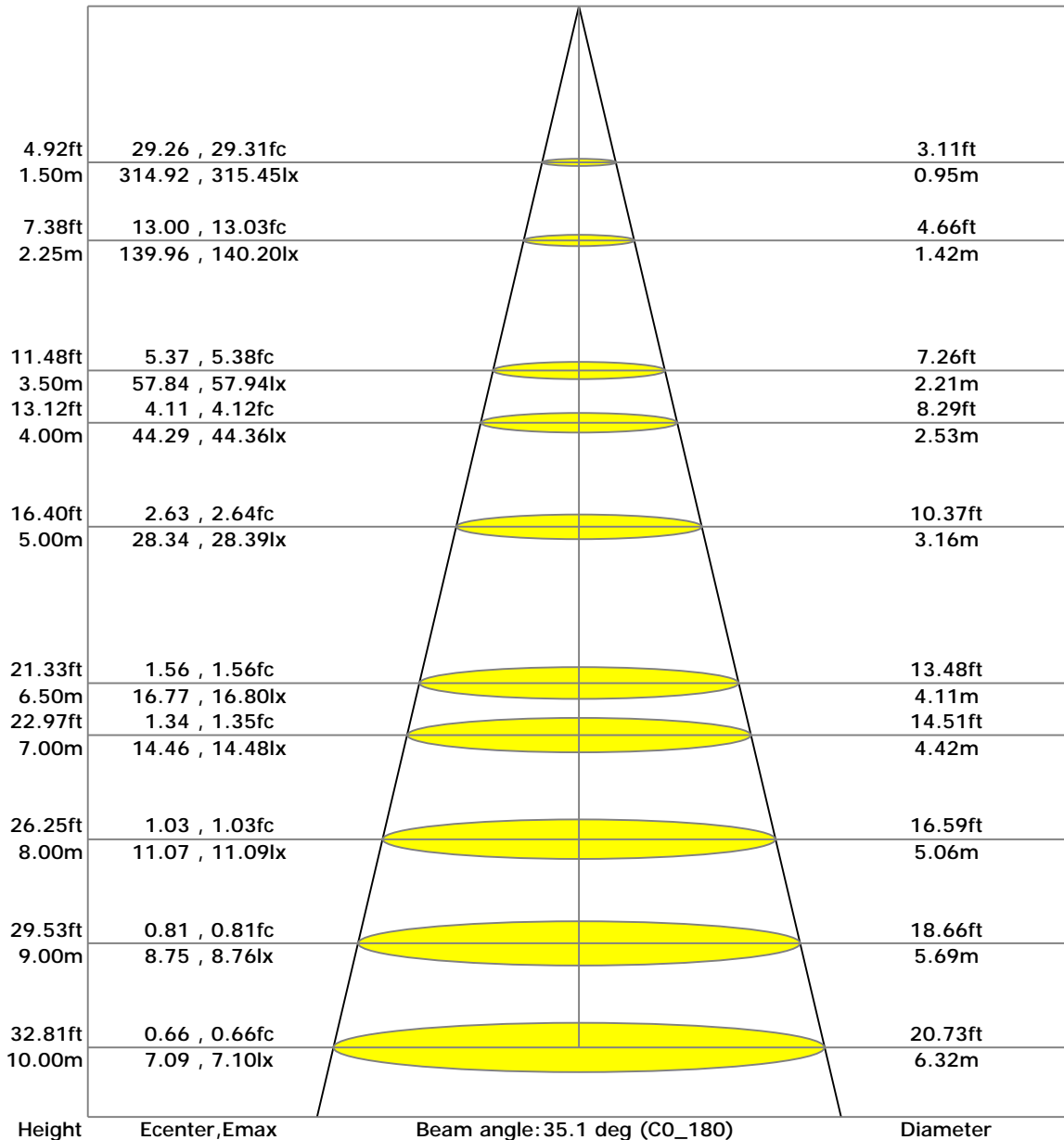
C Range: 0 - 360 Deg  
 C Interval: 45.0 Deg  
 Test Speed: High  
 Temperature: 6.38  
 Operators:  
 Test Date: 2022/8/27 9:25:53

G Range: 0 - 90 Deg  
 G Interval: 1.0 Deg  
 Test System: Huipu CPM-1800B Goniophotometer  
 Humidity: 1.13  
 Test Distance: 6.38 m  
 Remarks:

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### LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg  
 C Interval: 45.0 Deg  
 Test Speed: High  
 Temperature: 6.38  
 Operators:  
 Test Date: 2022/8/27 9:25:53

G Range: 0 - 90 Deg  
 G Interval: 1.0 Deg  
 Test System: Huipu CPM-1800B Goniophotometer  
 Humidity: 1.13  
 Test Distance: 6.38 m  
 Remarks:

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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	3.16	3.21	3.36	3.39	3.64	2.76	2.81	2.96	3.00	3.24
3H	3.13	3.19	3.34	3.38	3.62	2.73	2.79	2.94	2.98	3.22
4H	3.12	3.17	3.33	3.37	3.62	2.72	2.77	2.93	2.97	3.22
6H	3.11	3.16	3.32	3.36	3.61	2.71	2.76	2.92	2.96	3.21
8H	3.10	3.15	3.32	3.36	3.61	2.70	2.75	2.92	2.95	3.21
12H	3.09	3.14	3.31	3.35	3.60	2.69	2.74	2.91	2.95	3.20
4H 2H	3.14	3.19	3.35	3.39	3.63	2.92	2.98	3.13	3.17	3.42
3H	3.11	3.16	3.33	3.37	3.62	2.90	2.95	3.12	3.16	3.41
4H	3.09	3.14	3.32	3.36	3.62	2.88	2.93	3.11	3.14	3.40
6H	3.08	3.13	3.31	3.35	3.61	2.86	2.91	3.10	3.13	3.39
8H	3.07	3.12	3.31	3.34	3.61	2.85	2.90	3.09	3.12	3.39
12H	3.06	3.11	3.31	3.34	3.61	2.84	2.89	3.08	3.12	3.39
8H 4H	3.18	3.23	3.40	3.44	3.69	3.28	3.33	3.50	3.54	3.79
6H	3.13	3.18	3.39	3.42	3.69	3.29	3.34	3.54	3.58	3.85
8H	3.12	3.17	3.39	3.42	3.69	3.28	3.32	3.54	3.57	3.85
12H	3.12	3.17	3.39	3.42	3.70	3.27	3.31	3.54	3.56	3.85
12H 4H	3.29	3.34	3.54	3.57	3.84	3.67	3.72	3.92	3.95	4.22
6H	3.29	3.34	3.55	3.58	3.86	3.69	3.74	3.95	3.98	4.26

C Range: 0 - 360 Deg  
 C Interval: 45.0 Deg  
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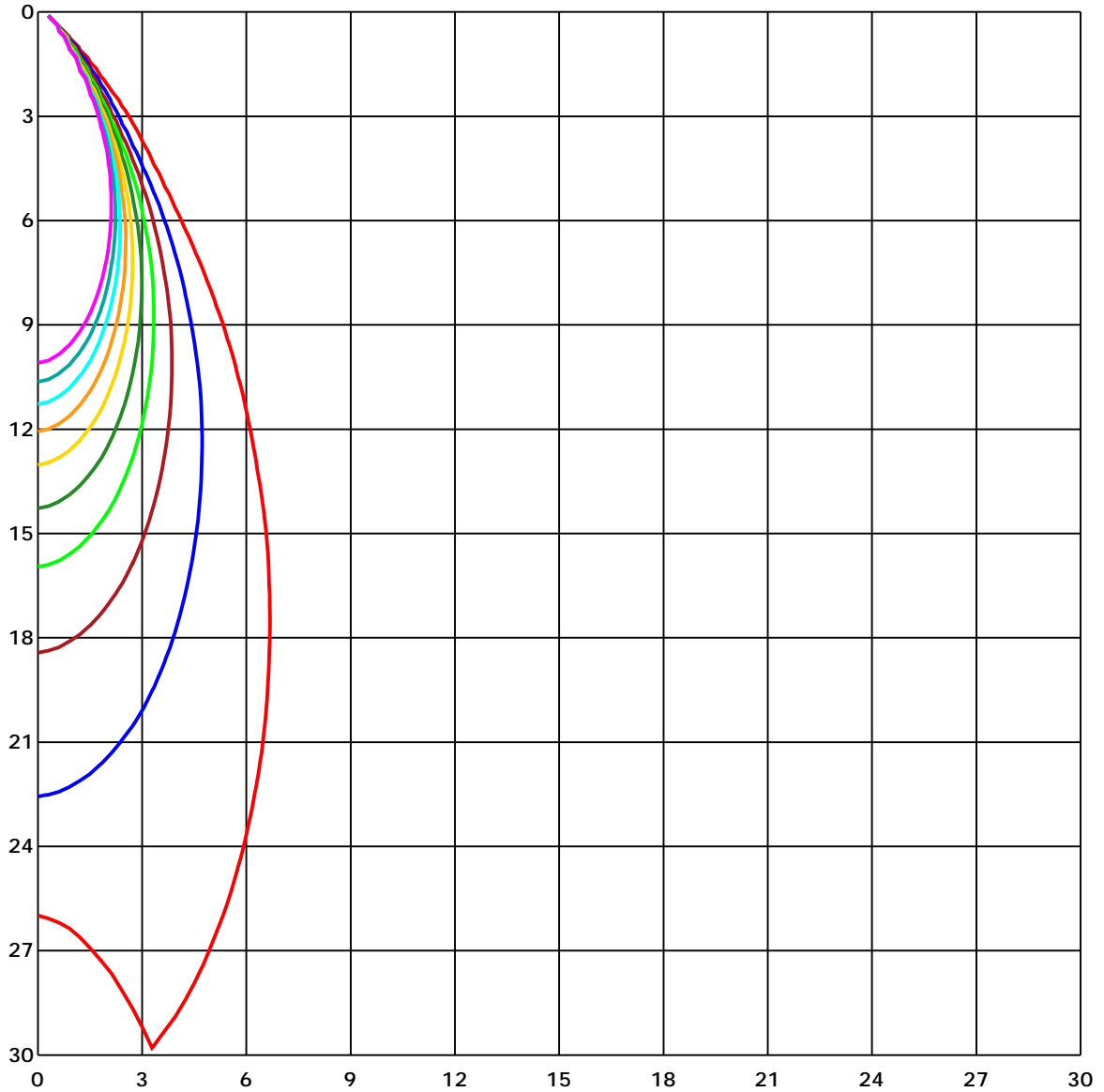
G Range: 0 - 90 Deg  
 G Interval: 1.0 Deg  
 Test System: Huipu CPM-1800B Goniophotometer  
 Humidity: 1.13  
 Test Distance: 6.38 m  
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## SPACE ISOLX DIAGRAM



Unit of illumination: lx

- |         |         |
|---------|---------|
| — 6.959 | — 3.48  |
| — 6.263 | — 2.784 |
| — 5.567 | — 2.088 |
| — 4.871 | — 1.392 |
| — 4.175 | — 0.696 |

C Range: 0 - 360 Deg  
 C Interval: 45.0 Deg  
 Test Speed: High  
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 Test Date: 2022/8/27 9:25:53

G Range: 0 - 90 Deg  
 G Interval: 1.0 Deg  
 Test System: Huipu CPM-1800B Goniophotometer  
 Humidity: 1.13  
 Test Distance: 6.38 m  
 Remarks:

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## LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma/C	C0	C45	C90	C135	C180	C225	C270	C315	C360
G0	708.57	678.39	691.46	701.12	708.57	678.39	691.46	701.12	708.57
G1	704.47	664.0	683.18	697.07	709.76	688.51	693.48	700.43	704.47
G2	697.67	647.72	673.38	687.92	705.67	694.08	692.24	695.64	697.67
G3	684.93	630.93	659.86	676.05	698.26	696.56	687.0	686.9	684.93
G4	672.0	609.45	644.04	661.05	686.26	693.67	678.49	676.88	672.0
G5	654.52	585.53	624.95	644.17	671.77	689.53	667.54	662.16	654.52
G6	635.39	561.47	603.88	623.84	653.05	680.97	654.66	645.78	635.39
G7	613.63	536.04	580.88	602.46	634.74	669.98	639.48	628.31	613.63
G8	592.98	507.57	556.0	579.41	613.17	655.86	619.29	606.46	592.98
G9	568.19	480.57	530.56	554.16	589.07	638.47	599.74	583.69	568.19
G10	542.11	453.24	503.84	528.82	563.59	621.13	576.97	559.86	542.11
G11	514.97	426.15	477.39	501.36	537.51	599.51	553.1	534.06	514.97
G12	488.98	399.52	450.81	474.63	511.25	578.45	527.67	509.13	488.98
G13	460.97	373.12	424.45	447.59	484.38	552.18	500.53	483.83	460.97
G14	433.74	347.55	399.29	421.28	458.17	526.65	473.85	457.02	433.74
G15	406.65	323.21	374.64	396.16	431.9	501.54	448.09	431.53	406.65
G16	380.34	299.57	350.49	371.0	406.19	475.41	422.47	407.11	380.34
G17	355.09	277.13	326.94	346.99	381.12	451.04	396.95	384.34	355.09
G18	329.52	255.28	304.86	323.35	356.42	426.66	370.87	362.86	329.52
G19	304.95	234.53	282.92	300.4	332.6	403.84	345.75	342.26	304.95
G20	281.04	214.85	261.9	278.09	309.23	381.86	320.68	320.18	281.04
G21	258.68	194.75	241.06	256.34	286.37	360.33	297.13	297.5	258.68
G22	236.97	173.91	220.87	234.95	264.25	338.12	273.86	274.6	236.97
G23	216.83	154.32	198.7	213.79	243.04	315.16	252.06	253.25	216.83
G24	196.86	137.85	177.08	191.44	222.3	292.72	230.99	232.65	196.86
G25	176.35	122.63	158.64	170.23	200.22	270.87	211.21	212.92	176.35
G26	157.49	107.77	141.3	151.19	178.42	249.94	191.16	192.86	157.49
G27	140.79	93.79	126.17	135.6	160.16	229.8	171.38	172.67	140.79
G28	125.52	80.63	110.85	119.13	142.86	209.47	153.9	156.29	125.52
G29	110.53	68.49	95.72	104.18	126.35	189.09	137.39	140.47	110.53
G30	96.68	57.08	82.06	89.69	110.11	170.6	122.4	125.16	96.68
G31	83.21	47.38	69.73	76.86	94.98	153.72	107.45	109.93	83.21
G32	70.74	39.14	58.83	64.44	81.27	136.65	92.45	95.81	70.74
G33	59.47	32.47	50.04	53.63	68.95	121.2	78.33	82.33	59.47
G34	49.08	27.28	41.76	44.43	57.36	106.3	64.62	69.78	49.08
G35	40.2	23.04	35.05	36.84	47.74	91.62	52.99	58.0	40.2
G36	32.89	19.5	30.04	30.68	39.83	77.92	42.96	48.11	32.89

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.38

Operators:

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G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity: 1.13

Test Distance: 6.38 m

Remarks:

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### LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

GammaC	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	27.32	16.28	25.62	26.03	33.9	65.13	34.4	39.83	27.32	
G38	23.23	13.38	22.12	22.08	29.3	53.86	27.92	33.35	23.23	
G39	20.1	10.63	19.0	18.86	25.39	44.48	23.04	27.97	20.1	
G40	17.39	7.91	15.78	15.68	21.85	36.8	19.5	24.01	17.39	
G41	14.72	5.11	12.79	12.6	18.54	30.82	16.6	20.47	14.72	
G42	12.1	2.67	9.75	9.8	15.36	26.26	14.12	17.25	12.1	
G43	9.52	1.1	6.67	6.85	12.33	22.31	11.64	14.21	9.52	
G44	6.95	0.46	4.46	4.14	9.2	18.86	9.2	11.41	6.95	
G45	4.32	0.14	3.27	1.98	6.44	15.5	6.81	8.56	4.32	
G46	2.21	0.05	2.81	0.69	4.09	12.56	4.55	5.8	2.21	
G47	0.92	0.0	2.67	0.28	2.9	9.66	2.25	3.96	0.92	
G48	0.46	0.0	2.39	0.18	2.67	7.08	0.87	2.9	0.46	
G49	0.41	0.0	2.25	0.14	2.48	4.6	0.28	2.53	0.41	
G50	0.32	0.0	2.12	0.09	2.39	3.27	0.18	2.44	0.32	
G51	0.28	0.0	2.02	0.09	2.25	2.62	0.14	2.35	0.28	
G52	0.32	0.0	1.93	0.09	2.21	2.44	0.05	2.21	0.32	
G53	0.28	0.0	1.79	0.09	1.98	2.3	0.05	2.07	0.28	
G54	0.28	0.0	1.52	0.05	1.84	2.21	0.05	1.93	0.28	
G55	0.28	0.0	1.61	0.05	1.79	2.21	0.05	1.84	0.28	
G56	0.23	0.0	1.61	0.05	1.7	1.93	0.05	1.75	0.23	
G57	0.28	0.0	1.52	0.05	1.66	1.84	0.0	1.7	0.28	
G58	0.28	0.0	1.47	0.05	1.61	1.75	0.0	1.61	0.28	
G59	0.28	0.0	1.43	0.05	1.56	1.7	0.05	1.52	0.28	
G60	0.28	0.0	1.33	0.05	1.47	1.66	0.05	1.52	0.28	
G61	0.28	0.0	1.33	0.05	1.61	1.56	0.05	1.43	0.28	
G62	0.28	0.0	1.29	0.05	1.43	1.52	0.05	1.43	0.28	
G63	0.28	0.0	1.2	0.0	1.38	1.47	0.05	1.33	0.28	
G64	0.28	0.0	1.15	0.0	1.33	1.47	0.05	1.29	0.28	
G65	0.28	0.0	1.15	0.0	1.29	1.43	0.05	1.24	0.28	
G66	0.28	0.0	1.1	0.0	1.24	1.38	0.05	1.2	0.28	
G67	0.28	0.0	1.1	0.0	1.29	1.33	0.09	1.2	0.28	
G68	0.32	0.0	1.24	0.0	1.2	1.29	0.09	1.15	0.32	
G69	0.28	0.0	1.01	0.0	1.24	1.24	0.09	1.1	0.28	
G70	0.32	0.0	1.01	0.0	1.15	1.2	0.09	1.1	0.32	
G71	0.28	0.0	1.2	0.05	1.15	1.2	0.09	1.24	0.28	
G72	0.32	0.05	0.97	0.05	1.1	1.15	0.09	1.06	0.32	
G73	0.28	0.05	0.92	0.05	1.1	1.13	0.09	1.01	0.28	

C Range: 0 - 360 Deg  
 C Interval: 45.0 Deg  
 Test Speed: High  
 Temperature: 6.38  
 Operators:  
 Test Date: 2022/8/27 9:25:53

G Range: 0 - 90 Deg  
 G Interval: 1.0 Deg  
 Test System: Huipu CPM-1800B Goniophotometer  
 Humidity: 1.13  
 Test Distance: 6.38 m  
 Remarks:

