

Report No.:

Test Time: 2023/6/7 18:08:09

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: 0
Luminaire Type: WV-WL106C-6W
Lamp Type:
Luminous Width: 0 mm
Luminous Length: 0 mm
Luminous Height: 0 mm

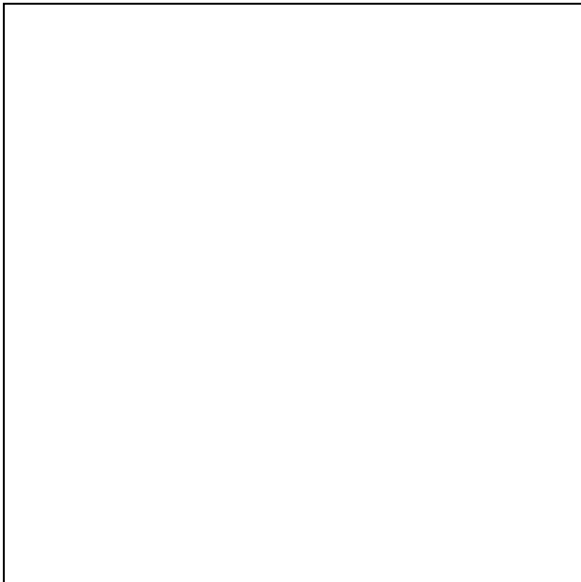
Voltage(V): 239.80 V
Current(A): 0.0530 A
Power(W): 7.85 W
Power Factor: 0.6070
Lamp Luminous Flux: 113.97

Photometric Results

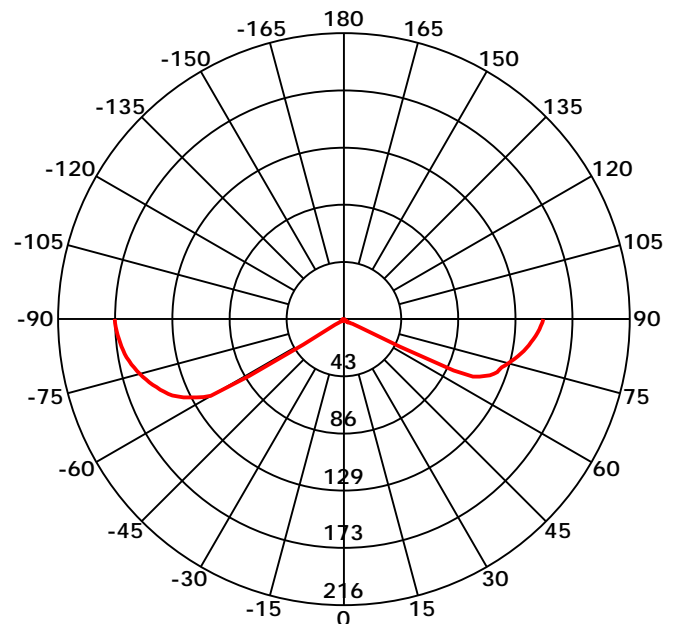
CIE Class: Direct
Luminaire Luminous Flux: 113.9677 lm
Downward Ratio: 100.00%
Luminaire Efficacy Rating(LER): 14.52 lm/W
Beam Angle(50%) C0-180,C90-270: 149.1,非数字
Field Angle(10%) C0-180,C90-270: 147.3,非数字
S/MH C0-180,C90-270: 19.029,0.000

Max. Intensity: 172.63 cd
Max.Intensity Angle: C=180 Gamma=89
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 0.24 cd
Effective Luminous Flux: 109.22 lm
ERP(φ_{use})(120deg): 4.38 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 149.1 deg,非数字

C0-180 — C90-270 —

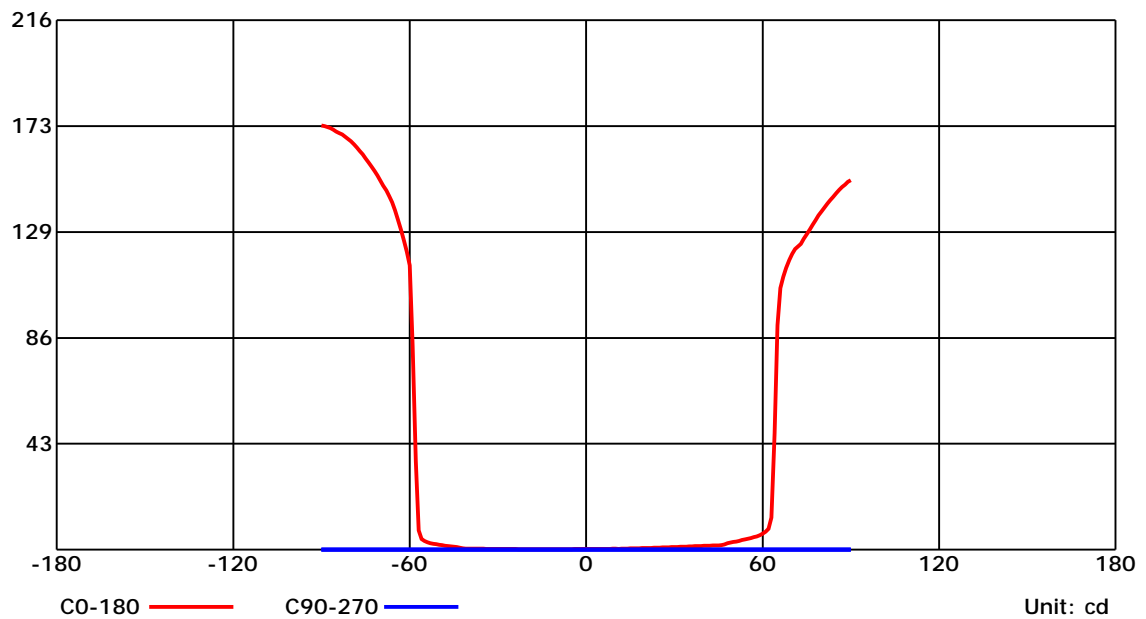
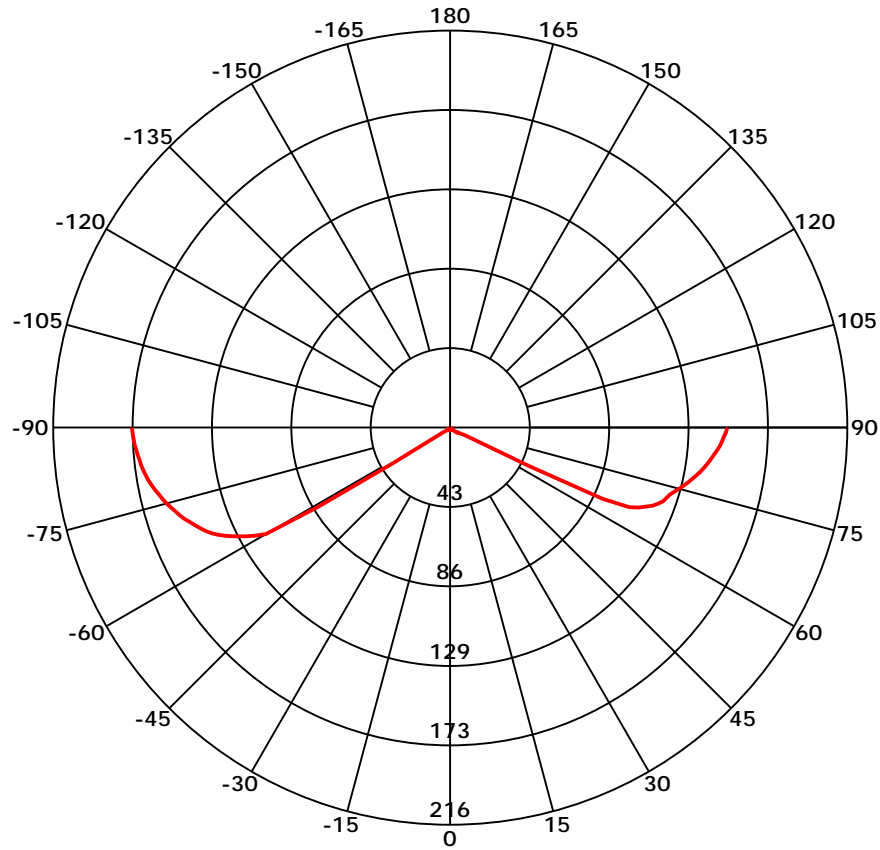
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2023/6/7 18:08:09

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

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Luminous Intensity Distribution Curve



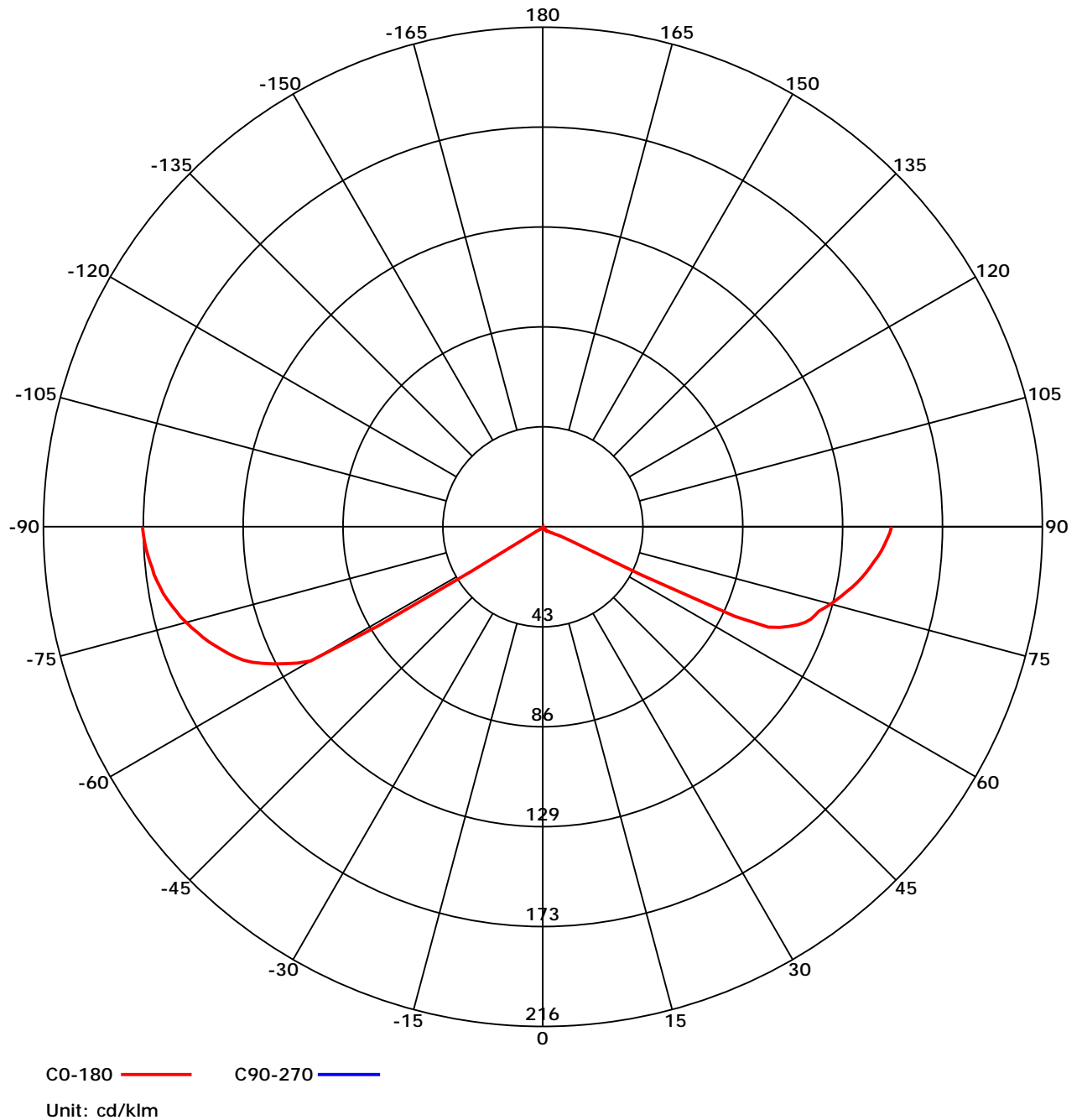
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
 Test Date: 2023/6/7 18:08:09

G Range: 0 - 90 Deg
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Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg
C Interval: 45.0 Deg
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Temperature:
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Test Date: 2023/6/7 18:08:09

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

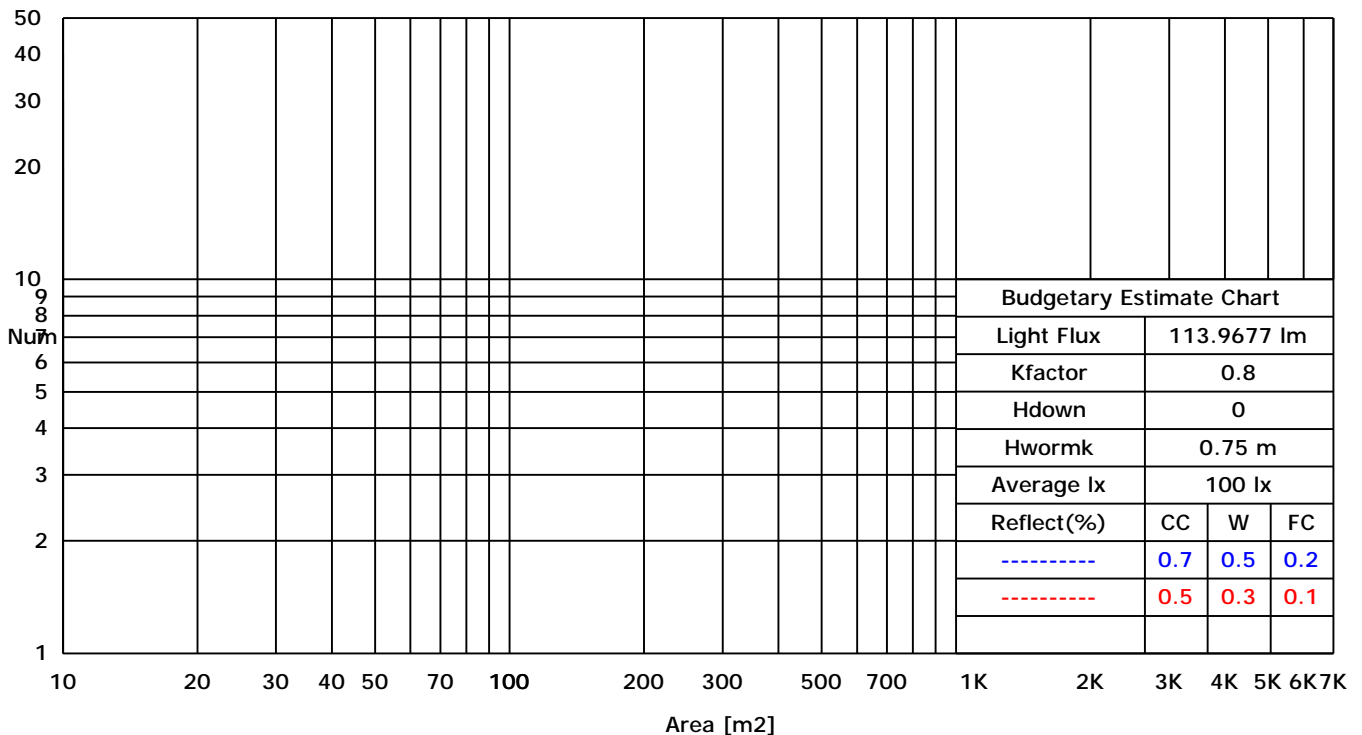
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UTILIZATION FACTORS TABLE

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	0.89	0.85	0.83	0.88	0.84	0.81	0.86	0.82	0.78	0.82	0.78	0.74	0.77	0.73	0.69	0.64
2	0.60	0.55	0.52	0.61	0.55	0.51	0.61	0.55	0.49	0.60	0.53	0.47	0.58	0.51	0.44	0.40
3	0.41	0.36	0.33	0.43	0.37	0.32	0.45	0.37	0.32	0.45	0.37	0.31	0.45	0.36	0.29	0.25
4	0.29	0.24	0.21	0.31	0.25	0.21	0.34	0.27	0.21	0.36	0.27	0.20	0.36	0.27	0.20	0.16
5	0.21	0.17	0.14	0.24	0.18	0.14	0.27	0.20	0.14	0.29	0.21	0.14	0.31	0.21	0.14	0.10
6	0.16	0.12	0.10	0.19	0.13	0.10	0.22	0.15	0.10	0.25	0.16	0.10	0.27	0.17	0.10	0.07
7	0.13	0.09	0.07	0.15	0.10	0.07	0.19	0.12	0.07	0.22	0.14	0.07	0.24	0.15	0.08	0.05
8	0.10	0.07	0.05	0.13	0.08	0.05	0.16	0.10	0.05	0.19	0.11	0.06	0.21	0.13	0.06	0.03
9	0.09	0.05	0.03	0.11	0.06	0.04	0.14	0.08	0.04	0.17	0.10	0.05	0.20	0.11	0.05	0.02
10	0.07	0.04	0.03	0.09	0.05	0.03	0.13	0.07	0.03	0.16	0.09	0.04	0.18	0.10	0.04	0.02

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



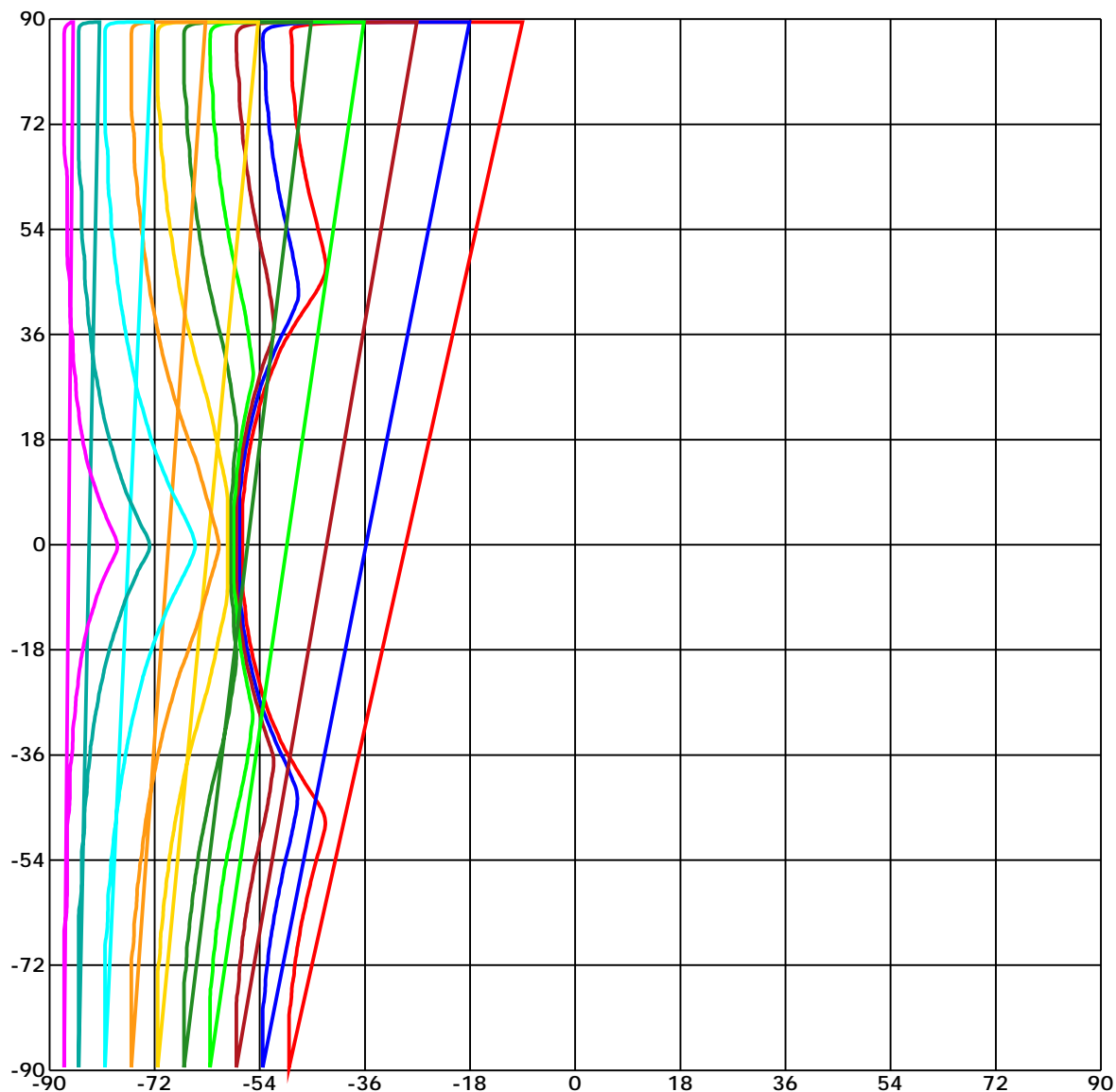
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
 Test Date: 2023/6/7 18:08:09

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

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ISOCANDELA DIAGRAM (RECTANGULAR)



Unit of intensity:cd Imax(100%): 172.627 cd

163.996(95%Imax)	86.314(50%Imax)
155.365(90%Imax)	69.051(40%Imax)
138.102(80%Imax)	51.788(30%Imax)
120.839(70%Imax)	34.525(20%Imax)
103.576(60%Imax)	17.263(10%Imax)

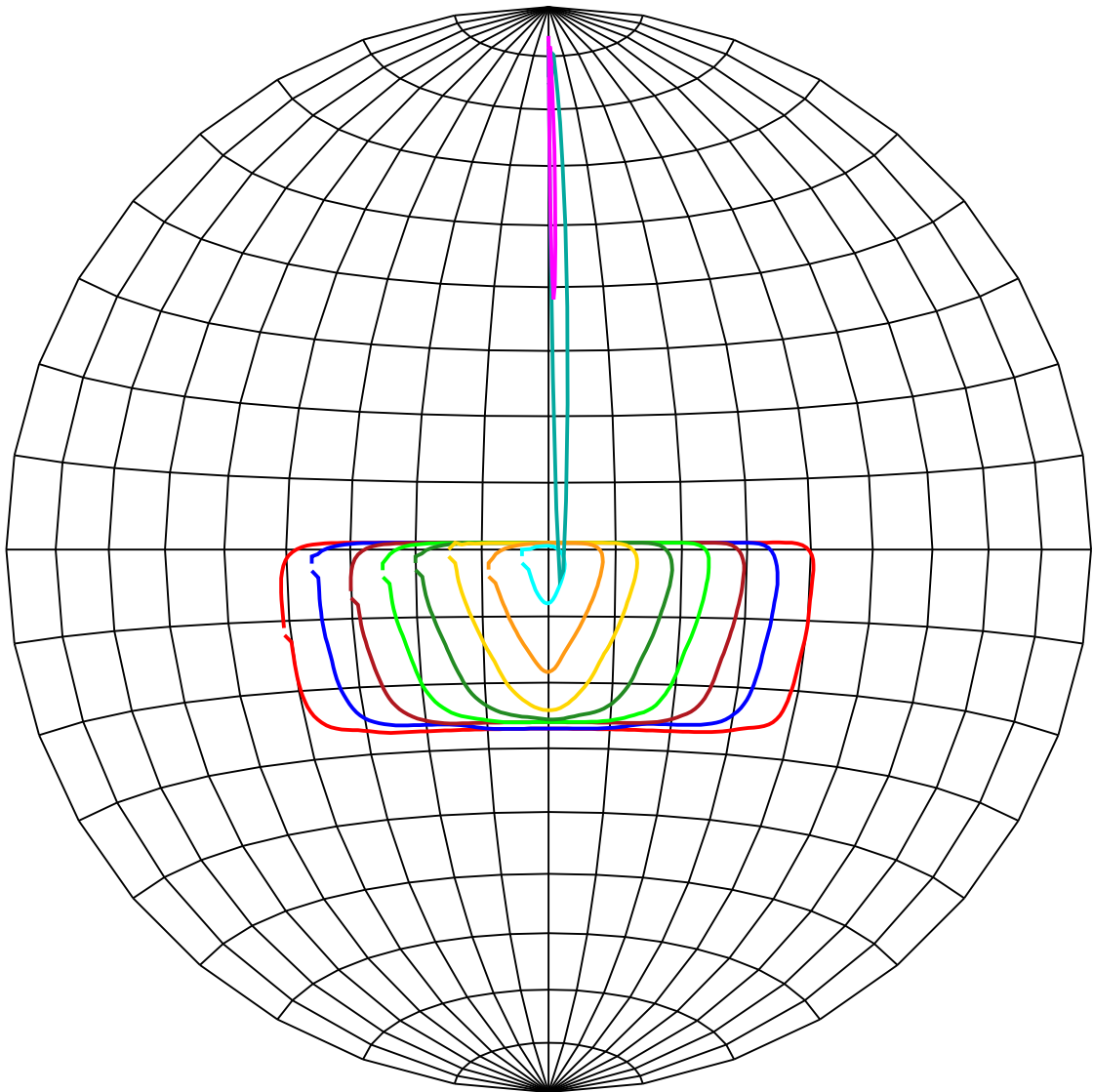
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
 Test Date: 2023/6/7 18:08:09

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

Report No.:

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ISOCANDELA DIAGRAM (SPHERE)



Unit of intensity:cd Imax(100%): 172.627 cd

— 163.996(95%Imax)
— 155.365(90%Imax)
— 138.102(80%Imax)
— 120.839(70%Imax)
— 103.576(60%Imax)

— 86.314(50%Imax)
— 69.051(40%Imax)
— 51.788(30%Imax)
— 34.525(20%Imax)
— 17.263(10%Imax)

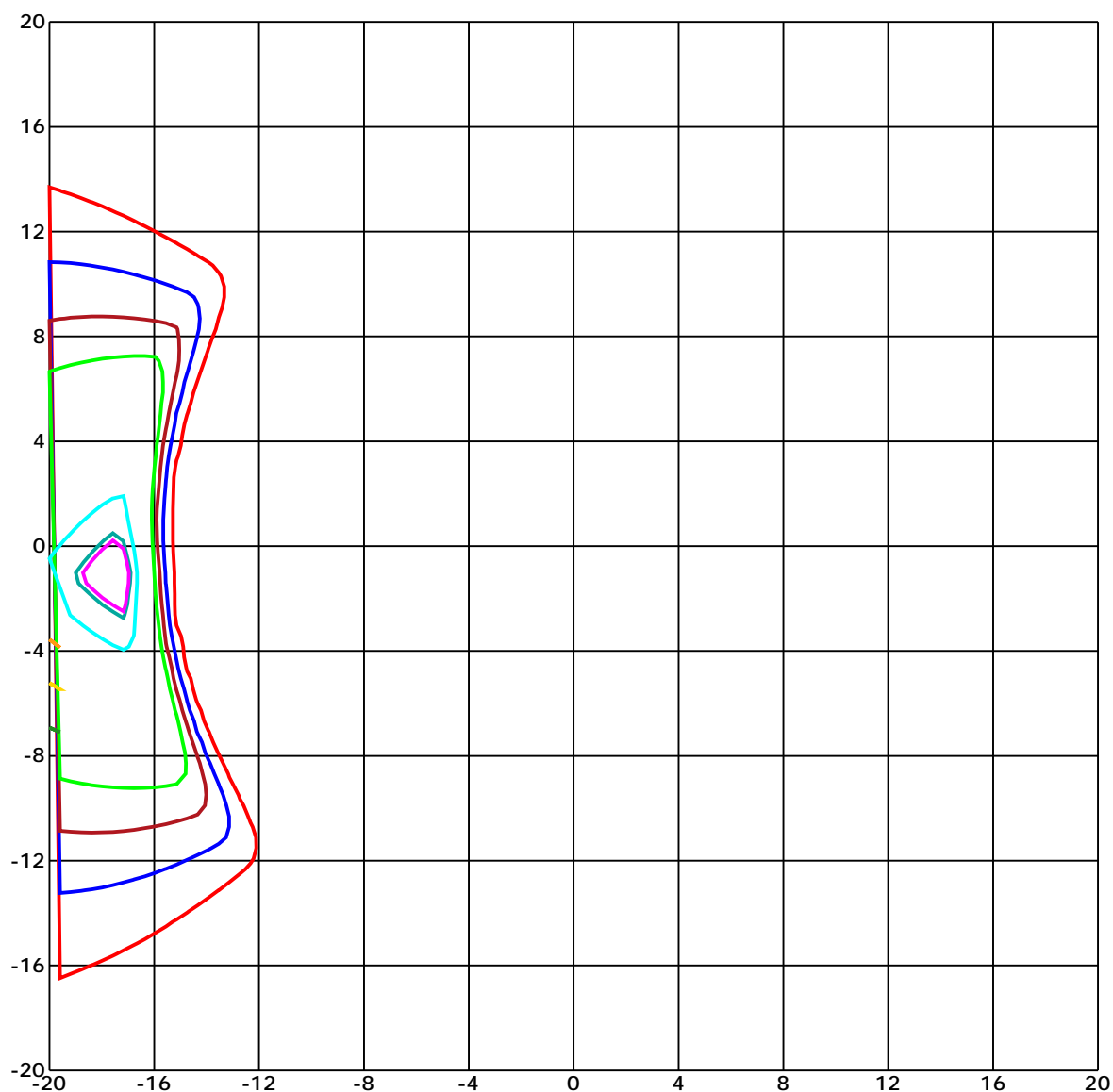
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2023/6/7 18:08:09

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
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Humidity:
Test Distance: 6.38 m
Remarks:

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ISOLX DIAGRAM



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

-92000.0(-53294%Emax)
 -90000.0(-52135%Emax)
 -80000.0(-46343%Emax)
 -70000.0(-40550%Emax)
 -60000.0(-34757%Emax)

— -50000.0(-28964%Emax)
— -40000.0(-23171%Emax)
— -30000.0(-17378%Emax)
— -20000.0(-11586%Emax)
— -10000.0(-5793%Emax)

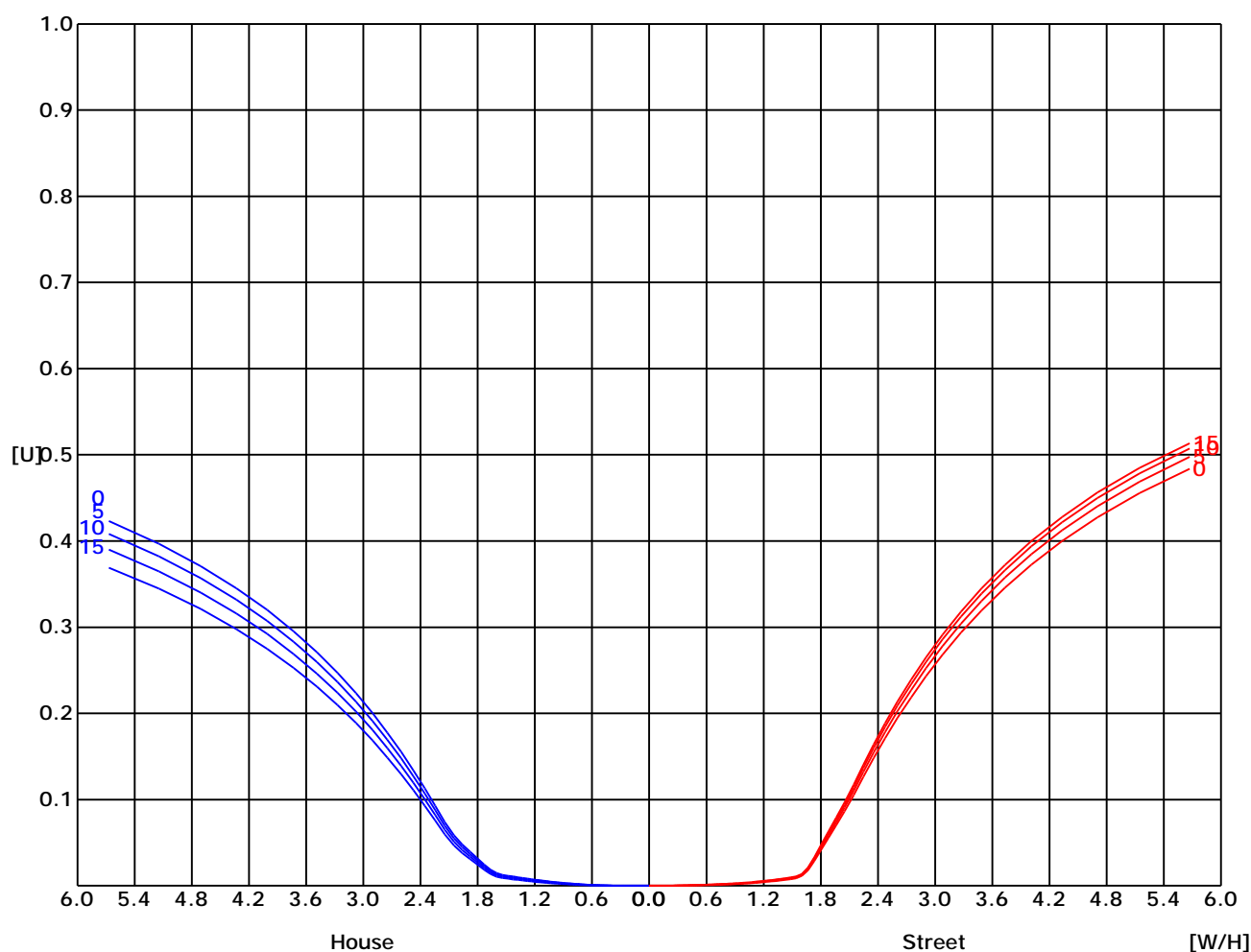
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2023/6/7 18:08:09

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

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UTILIZATION FACTOR DIAGRAM (ROAD)



C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
 Test Date: 2023/6/7 18:08:09

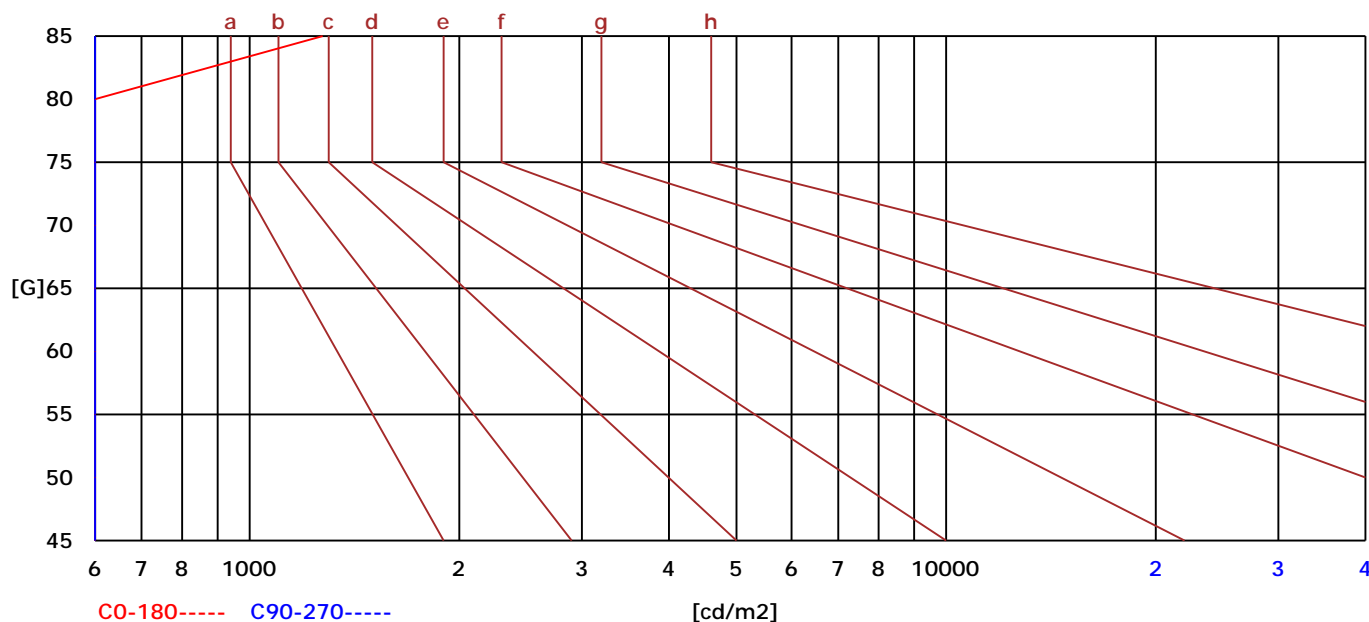
G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity:
 Test Distance: 6.38 m
 Remarks:

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BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	7	14	27	55	106	184	307	563	1273
C90	19	27	37	51	70	98	145	252	560
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



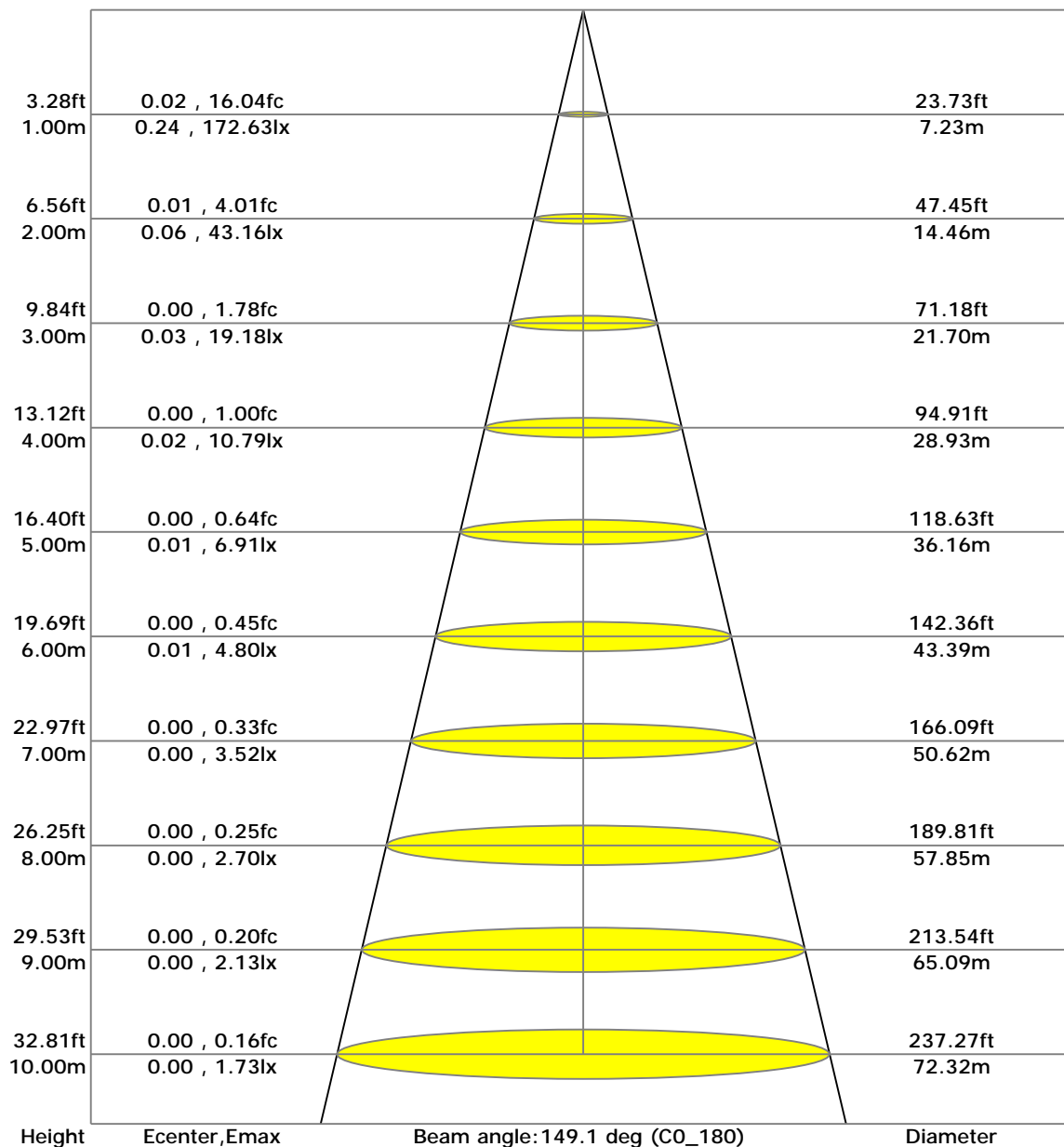
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
 Test Date: 2023/6/7 18:08:09

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity:
 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:
 Operators:
 Test Date: 2023/6/7 18:08:09

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity:
 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	11.11	11.37	11.32	11.56	11.81	6.31	6.57	6.51	6.75	7.01
3H	11.07	11.31	11.29	11.50	11.76	17.15	17.38	17.37	17.58	17.84
4H	11.04	11.26	11.26	11.46	11.72	19.64	19.86	19.86	20.06	20.32
6H	11.00	11.20	11.23	11.41	11.67	21.04	21.24	21.27	21.45	21.71
8H	10.97	11.16	11.20	11.37	11.64	21.02	21.21	21.25	21.42	21.68
12H	10.94	11.13	11.18	11.34	11.60	20.99	21.17	21.22	21.38	21.65
4H 2H	33.03	33.25	33.25	33.45	33.71	7.66	7.87	7.88	8.08	8.33
3H	33.04	33.22	33.27	33.44	33.70	17.54	17.72	17.77	17.93	18.19
4H	32.98	33.14	33.22	33.36	33.63	20.80	20.96	21.04	21.18	21.44
6H	32.91	33.05	33.16	33.28	33.55	24.08	24.22	24.33	24.44	24.72
8H	32.88	33.00	33.13	33.23	33.51	25.50	25.62	25.75	25.85	26.13
12H	32.84	32.95	33.09	33.19	33.46	26.29	26.40	26.55	26.64	26.92
8H 4H	38.34	38.53	38.57	38.74	39.00	8.72	8.91	8.95	9.12	9.38
6H	38.78	38.88	39.04	39.12	39.40	24.24	24.34	24.50	24.58	24.86
8H	38.74	38.83	39.01	39.07	39.36	26.19	26.28	26.46	26.53	26.81
12H	38.69	38.76	38.96	39.02	39.31	28.44	28.51	28.71	28.77	29.05
12H 4H	41.00	41.11	41.25	41.35	41.62	20.86	20.98	21.12	21.21	21.49
6H	41.12	41.21	41.39	41.46	41.74	24.25	24.34	24.52	24.59	24.87

C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
 Test Date: 2023/6/7 18:08:09

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

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ZONAL LUMINOUS FLUX TABLE

[illegible]

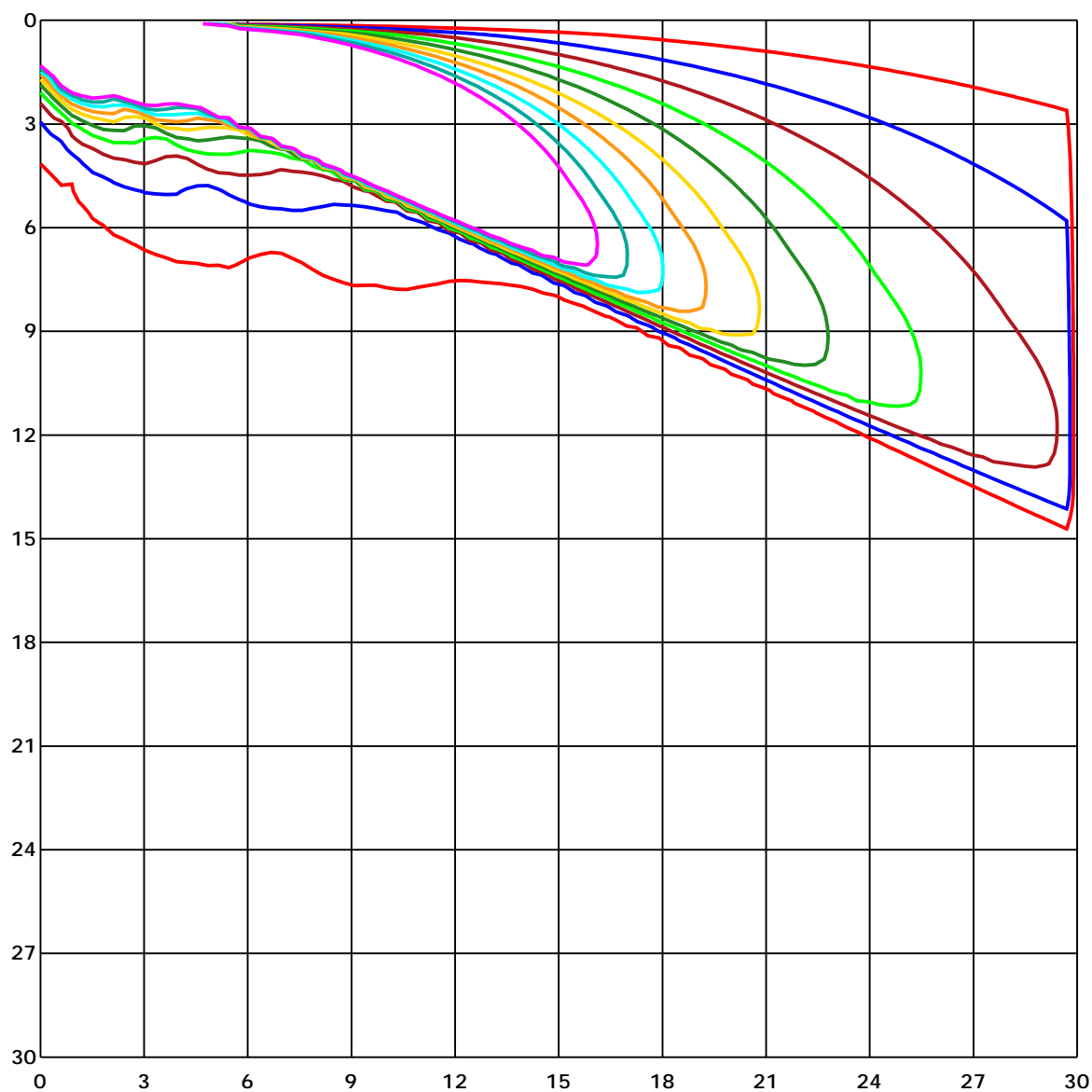
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2023/6/7 18:08:09

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
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Humidity:
Test Distance: 6.38 m
Remarks:

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SPACE ISOLX DIAGRAM



Unit of illumination: lx



C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
 Test Date: 2023/6/7 18:08:09

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

Report No.:

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LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	0.24	0.0	0.0	0.0	0.24	0.0	0.0	0.0	0.24	
G1	0.24	0.0	0.0	0.0	0.24	0.0	0.0	0.0	0.24	
G2	0.24	0.0	0.0	0.0	0.24	0.0	0.0	0.0	0.24	
G3	0.26	0.0	0.0	0.0	0.24	0.0	0.0	0.0	0.26	
G4	0.28	0.0	0.0	0.0	0.24	0.0	0.0	0.0	0.28	
G5	0.31	0.0	0.0	0.0	0.22	0.0	0.0	0.0	0.31	
G6	0.33	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.33	
G7	0.33	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.33	
G8	0.35	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.35	
G9	0.37	0.0	0.0	0.04	0.2	0.0	0.0	0.0	0.37	
G10	0.37	0.0	0.0	0.04	0.2	0.0	0.0	0.0	0.37	
G11	0.33	0.0	0.0	0.04	0.2	0.0	0.0	0.0	0.33	
G12	0.41	0.0	0.0	0.04	0.2	0.0	0.0	0.0	0.41	
G13	0.45	0.0	0.0	0.08	0.18	0.0	0.0	0.0	0.45	
G14	0.49	0.0	0.0	0.08	0.16	0.0	0.0	0.0	0.49	
G15	0.53	0.0	0.0	0.08	0.16	0.0	0.0	0.0	0.53	
G16	0.53	0.0	0.0	0.12	0.16	0.0	0.0	0.0	0.53	
G17	0.57	0.0	0.0	0.12	0.16	0.0	0.0	0.04	0.57	
G18	0.61	0.0	0.0	0.12	0.16	0.0	0.0	0.04	0.61	
G19	0.65	0.0	0.0	0.12	0.16	0.0	0.0	0.0	0.65	
G20	0.69	0.0	0.0	0.16	0.18	0.0	0.0	0.0	0.69	
G21	0.69	0.0	0.0	0.16	0.2	0.0	0.0	0.02	0.69	
G22	0.73	0.0	0.0	0.16	0.2	0.0	0.0	0.04	0.73	
G23	0.77	0.0	0.0	0.2	0.2	0.0	0.0	0.2	0.77	
G24	0.81	0.0	0.0	0.2	0.24	0.0	0.0	0.24	0.81	
G25	0.85	0.0	0.0	0.2	0.24	0.0	0.0	0.33	0.85	
G26	0.9	0.0	0.0	0.2	0.28	0.0	0.0	0.37	0.9	
G27	0.94	0.0	0.0	0.24	0.28	0.0	0.0	0.45	0.94	
G28	0.98	0.0	0.0	0.24	0.28	0.0	0.0	0.53	0.98	
G29	1.02	0.0	0.0	0.24	0.28	0.0	0.0	0.65	1.02	
G30	1.1	0.0	0.0	0.28	0.33	0.0	0.0	0.73	1.1	
G31	1.1	0.0	0.0	0.28	0.33	0.0	0.0	0.81	1.1	
G32	1.18	0.0	0.0	0.28	0.33	0.0	0.0	0.94	1.18	
G33	1.18	0.0	0.0	0.33	0.33	0.0	0.0	1.02	1.18	
G34	1.26	0.0	0.0	0.33	0.33	0.0	0.0	1.14	1.26	
G35	1.3	0.0	0.0	0.35	0.37	0.0	0.0	1.26	1.3	
G36	1.34	0.0	0.0	0.37	0.37	0.0	0.0	1.26	1.34	

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

Report No.:

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LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	1.47	0.0	0.0	0.39	0.37	0.0	0.0	1.47	1.47	
G38	1.47	0.0	0.0	0.41	0.37	0.0	0.0	1.59	1.47	
G39	1.51	0.04	0.0	0.43	0.37	0.0	0.0	1.67	1.51	
G40	1.55	0.02	0.0	0.45	0.37	0.0	0.0	1.79	1.55	
G41	1.55	0.07	0.0	0.45	0.41	0.0	0.0	1.91	1.55	
G42	1.63	0.12	0.0	0.49	0.53	0.0	0.0	2.04	1.63	
G43	1.67	0.16	0.0	0.49	0.81	0.0	0.0	2.16	1.67	
G44	1.75	0.16	0.0	0.57	1.02	0.0	0.0	2.24	1.75	
G45	1.79	0.2	0.0	0.53	1.18	0.0	0.0	2.32	1.79	
G46	1.91	0.24	0.0	0.57	1.34	0.0	0.0	2.4	1.91	
G47	2.16	0.28	0.0	0.61	1.51	0.0	0.0	2.44	2.16	
G48	2.61	0.28	0.0	0.57	1.63	0.0	0.0	2.48	2.61	
G49	2.89	0.33	0.0	0.57	1.83	0.0	0.0	2.52	2.89	
G50	3.17	0.37	0.0	0.69	1.99	0.04	0.0	2.56	3.17	
G51	3.34	0.41	0.0	0.73	2.2	0.04	0.0	2.56	3.34	
G52	3.58	0.45	0.0	0.73	2.4	0.04	0.0	2.61	3.58	
G53	3.99	0.53	0.0	0.77	2.69	0.04	0.0	2.65	3.99	
G54	4.23	0.57	0.0	0.81	3.05	0.08	0.0	2.65	4.23	
G55	4.48	0.61	0.0	0.85	3.54	0.08	0.0	2.69	4.48	
G56	4.76	0.69	0.0	0.9	4.4	0.08	0.0	2.69	4.76	
G57	5.09	0.77	0.0	0.94	7.9	0.12	0.0	2.69	5.09	
G58	5.33	0.85	0.0	0.94	36.1	0.12	0.0	2.73	5.33	
G59	5.94	0.98	0.0	0.9	83.44	0.12	0.0	2.73	5.94	
G60	6.55	1.1	0.0	1.02	115.89	0.12	0.0	2.89	6.55	
G61	7.37	1.22	0.0	1.06	121.34	0.16	0.0	2.73	7.37	
G62	8.55	1.38	0.0	1.1	125.9	0.16	0.0	2.77	8.55	
G63	13.03	1.51	0.0	1.1	130.29	0.16	0.0	2.77	13.03	
G64	47.46	1.67	0.0	1.14	134.53	0.14	0.0	2.77	47.46	
G65	91.5	1.79	0.0	1.18	138.35	0.12	0.0	2.89	91.5	
G66	106.56	1.95	0.0	1.18	141.65	0.2	0.0	2.77	106.56	
G67	111.2	2.16	0.0	1.22	144.09	0.2	0.0	2.77	111.2	
G68	114.79	2.24	0.0	1.38	146.37	0.2	0.0	2.73	114.79	
G69	118.08	2.36	0.0	1.3	148.41	0.24	0.0	2.89	118.08	
G70	120.61	2.52	0.0	1.34	150.44	0.24	0.0	2.73	120.61	
G71	122.52	2.73	0.0	1.38	152.52	0.24	0.0	2.85	122.52	
G72	123.54	2.77	0.0	1.38	154.39	0.24	0.0	2.73	123.54	
G73	124.64	3.01	0.0	1.42	156.06	0.24	0.0	2.69	124.64	

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2023/6/7 18:08:09

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

Report No.:

Test Time: 2023/6/7 18:08:09

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 2)

[illegible]

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2023/6/7 18:08:09

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