

Report No.:

Test Time: 2023/6/7 17:04:44

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: 0
Luminaire Type: WV-BA23060C-10W
Lamp Type:
Luminous Width: 0 mm
Luminous Length: 0 mm
Luminous Height: 0 mm

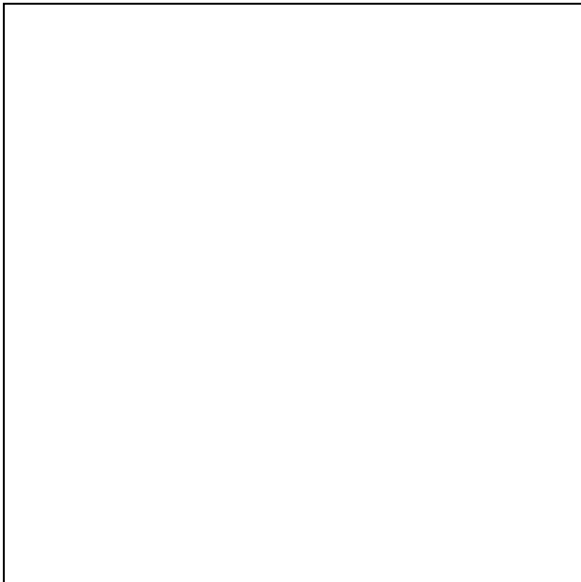
Voltage(V): 239.50 V
Current(A): 0.0500 A
Power(W): 10.88 W
Power Factor: 0.8930
Lamp Luminous Flux: 558.20

Photometric Results

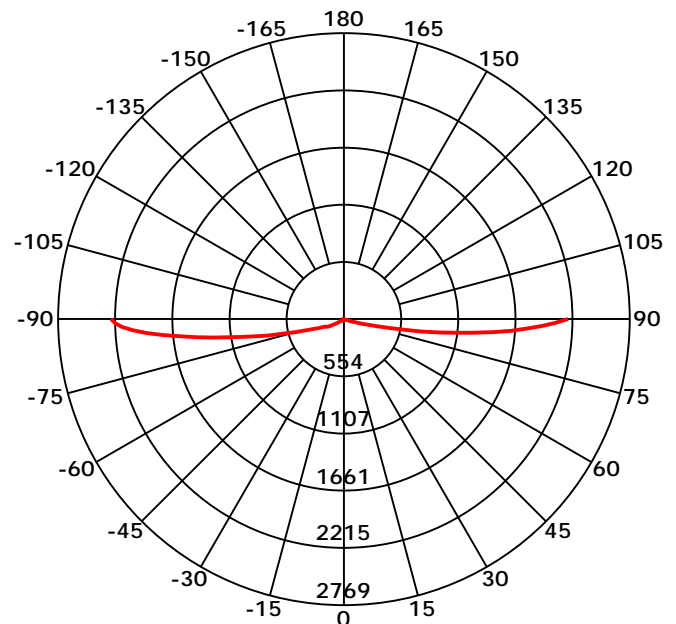
CIE Class: Direct
Luminaire Luminous Flux: 558.2013 lm
Downward Ratio: 100.00%
Luminaire Efficacy Rating(LER): 51.31 lm/W
Beam Angle(50%) C0-180,C90-270: 171.0,非数字
Field Angle(10%) C0-180,C90-270: 159.5,非数字
S/MH C0-180,C90-270: 28.601,3.477

Max. Intensity: 2214.81 cd
Max.Intensity Angle: C=180 Gamma=89
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 0.69 cd
Effective Luminous Flux: 490.79 lm
ERP(φ use)(120deg): 6.55 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 171.0 deg,非数字

C0-180 — C90-270 —

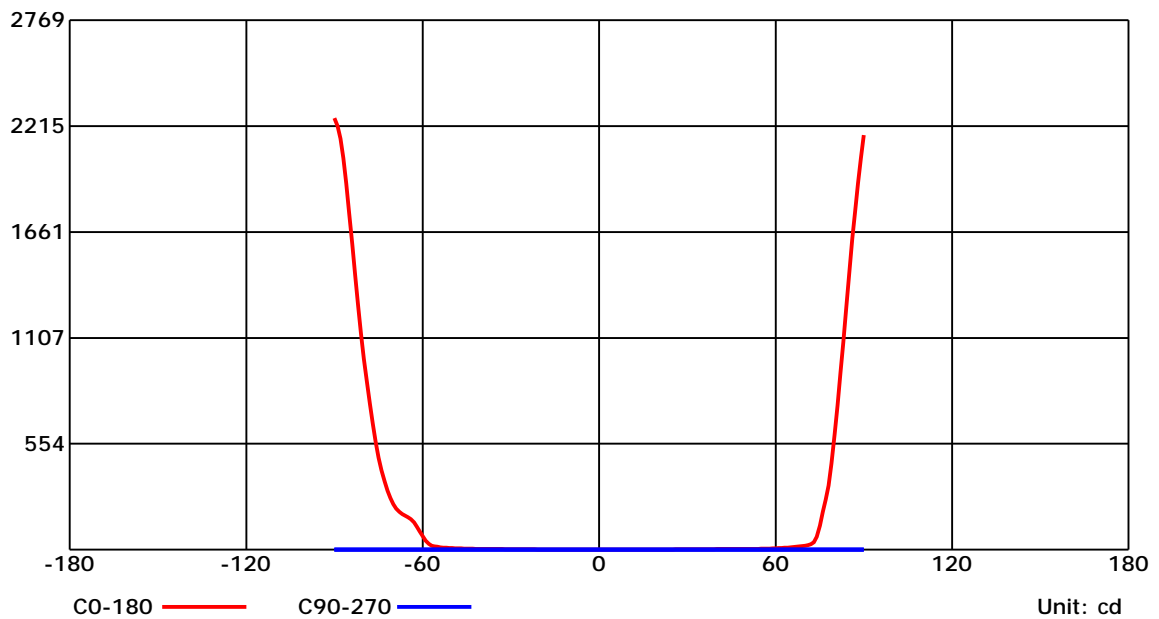
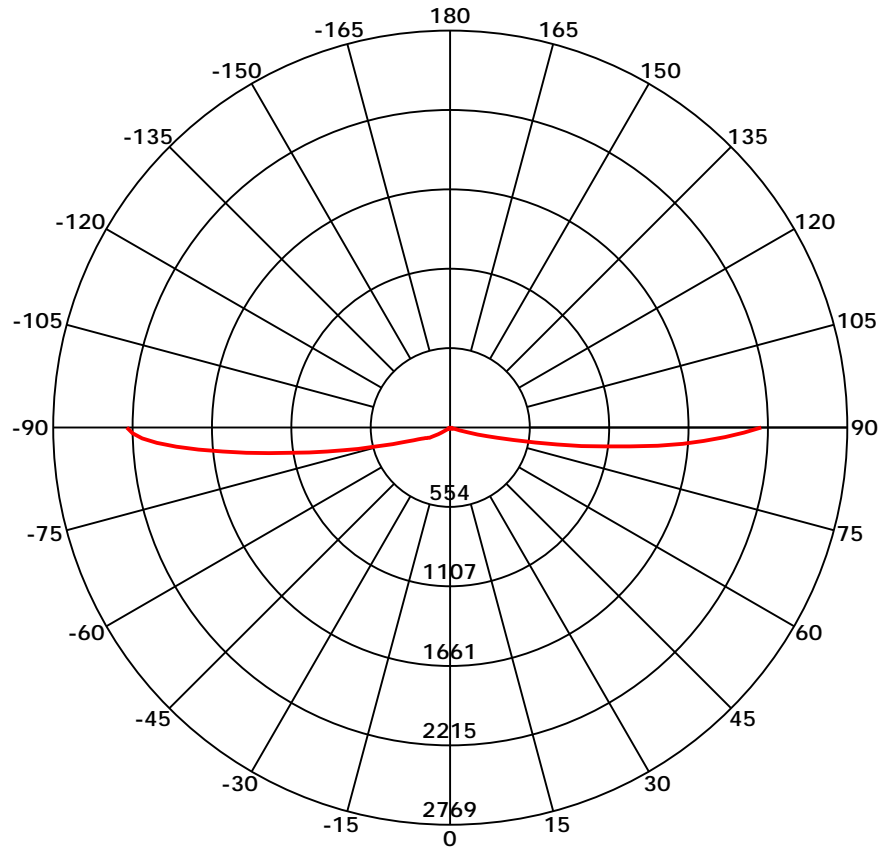
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2023/6/7 17:04:44

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



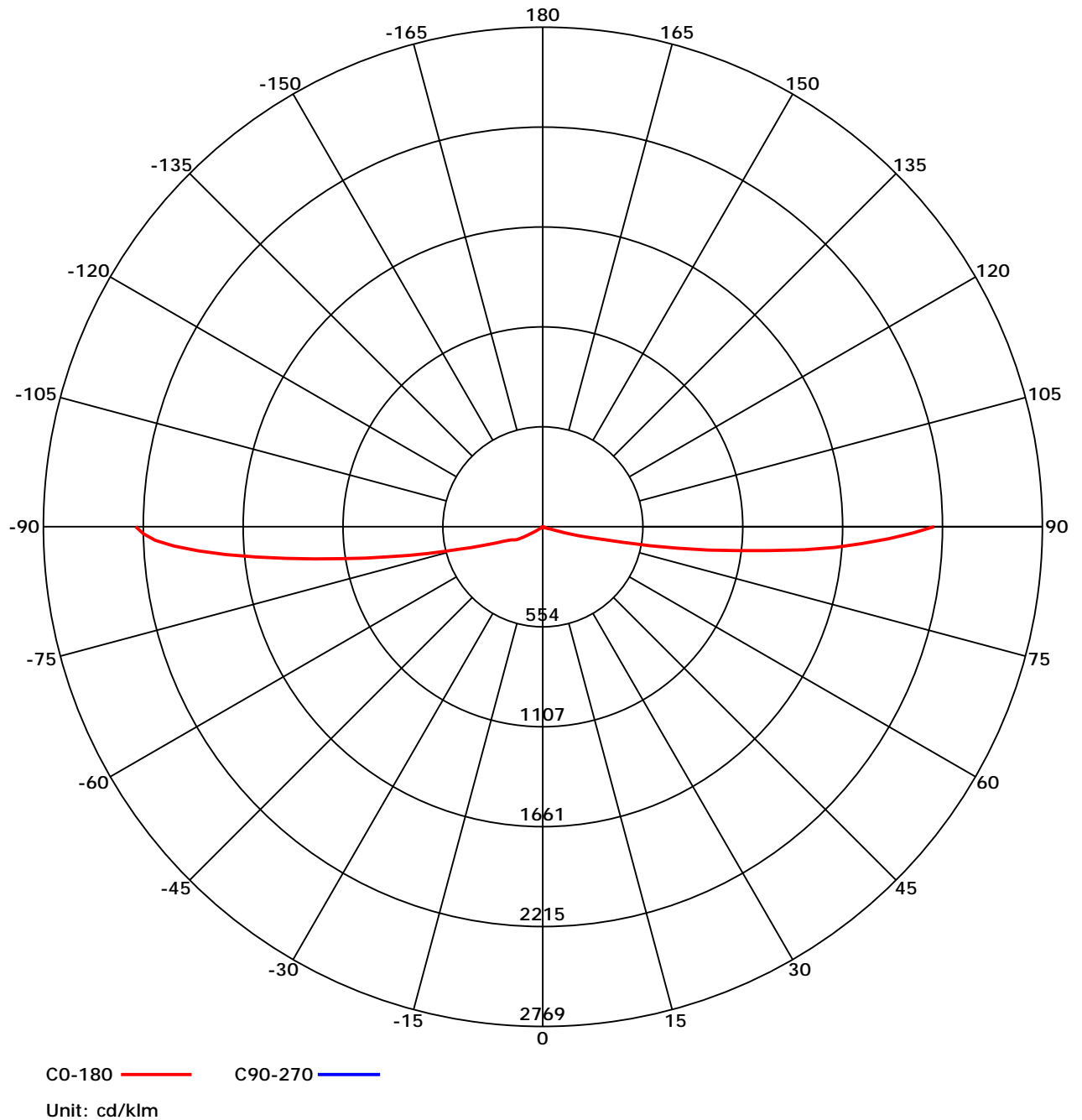
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 Test Date: 2023/6/7 17:04:44

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Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
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Test Date: 2023/6/7 17:04:44

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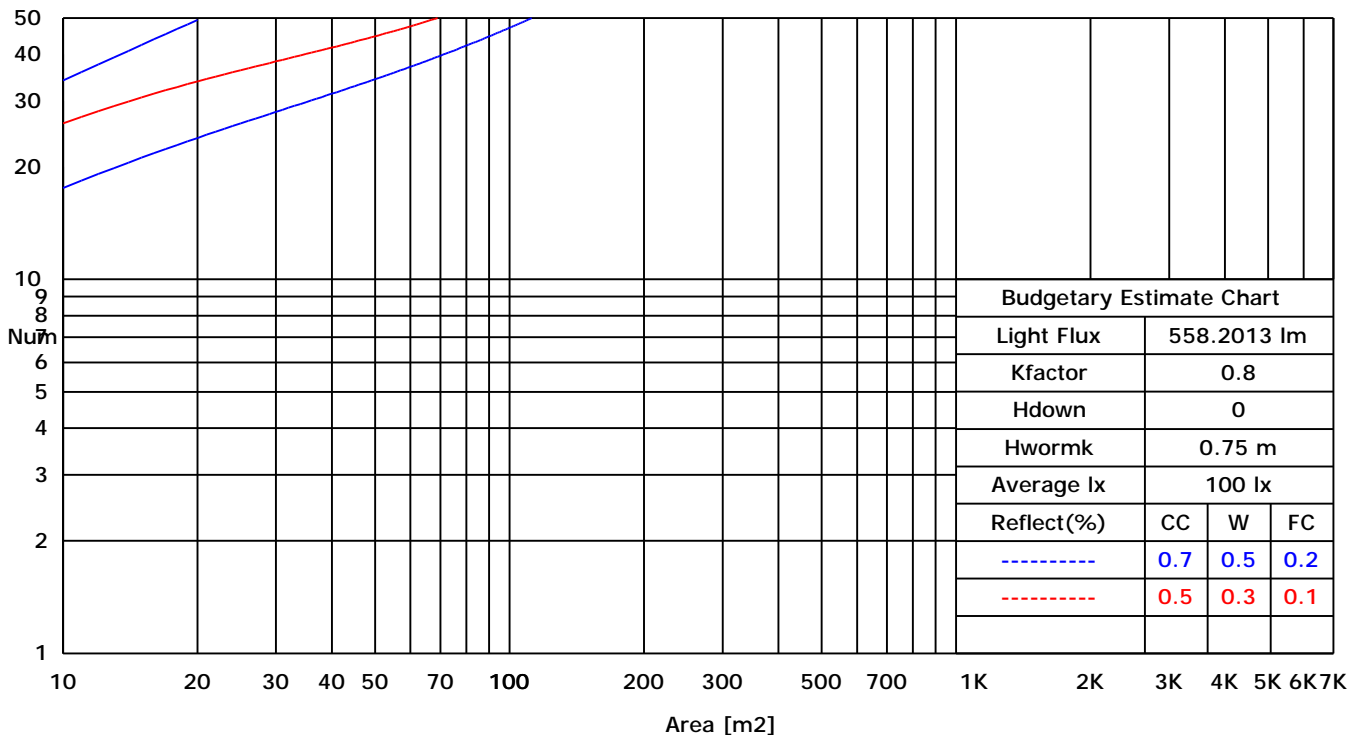
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UTILIZATION FACTORS TABLE

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	0.79	0.74	0.71	0.79	0.74	0.70	0.77	0.72	0.67	0.74	0.69	0.64	0.70	0.65	0.60	0.54
2	0.46	0.40	0.36	0.48	0.41	0.36	0.49	0.41	0.35	0.49	0.41	0.33	0.48	0.39	0.32	0.27
3	0.28	0.22	0.18	0.30	0.23	0.18	0.33	0.25	0.18	0.35	0.26	0.18	0.36	0.26	0.17	0.13
4	0.19	0.13	0.10	0.21	0.15	0.10	0.25	0.17	0.10	0.28	0.18	0.11	0.29	0.19	0.11	0.07
5	0.14	0.09	0.06	0.16	0.10	0.06	0.21	0.13	0.07	0.23	0.14	0.07	0.25	0.15	0.07	0.04
6	0.11	0.06	0.04	0.13	0.08	0.04	0.18	0.10	0.05	0.21	0.12	0.05	0.23	0.13	0.05	0.02
7	0.09	0.05	0.03	0.12	0.06	0.03	0.16	0.08	0.04	0.19	0.10	0.04	0.21	0.12	0.04	0.01
8	0.08	0.04	0.02	0.10	0.05	0.02	0.14	0.07	0.03	0.17	0.09	0.03	0.19	0.11	0.04	0.01
9	0.07	0.03	0.02	0.09	0.05	0.02	0.13	0.07	0.02	0.16	0.08	0.03	0.18	0.10	0.03	0.01
10	0.06	0.03	0.01	0.08	0.04	0.02	0.12	0.06	0.02	0.15	0.08	0.02	0.17	0.09	0.03	0.00

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



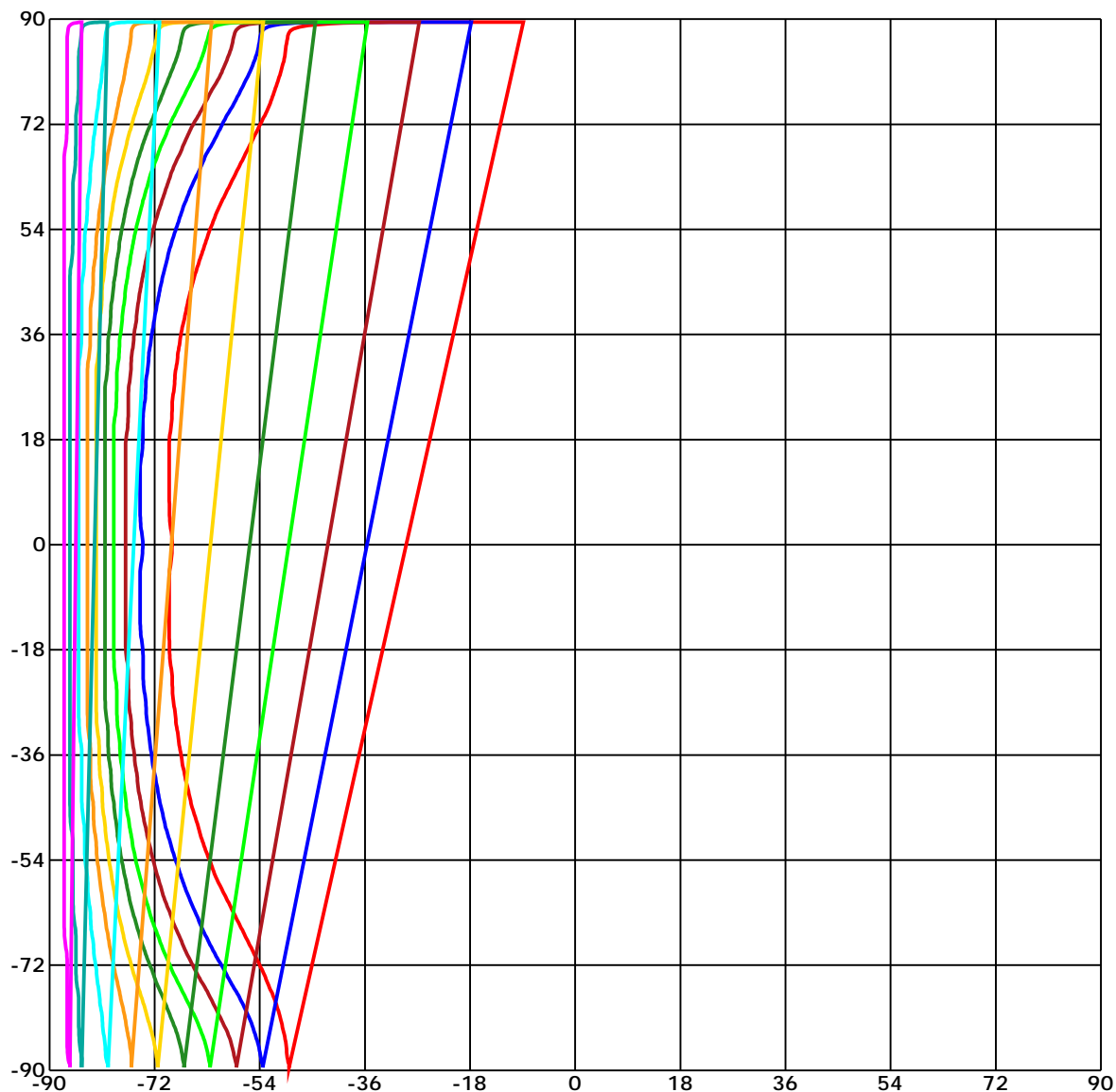
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
 Test Date: 2023/6/7 17:04:44

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)



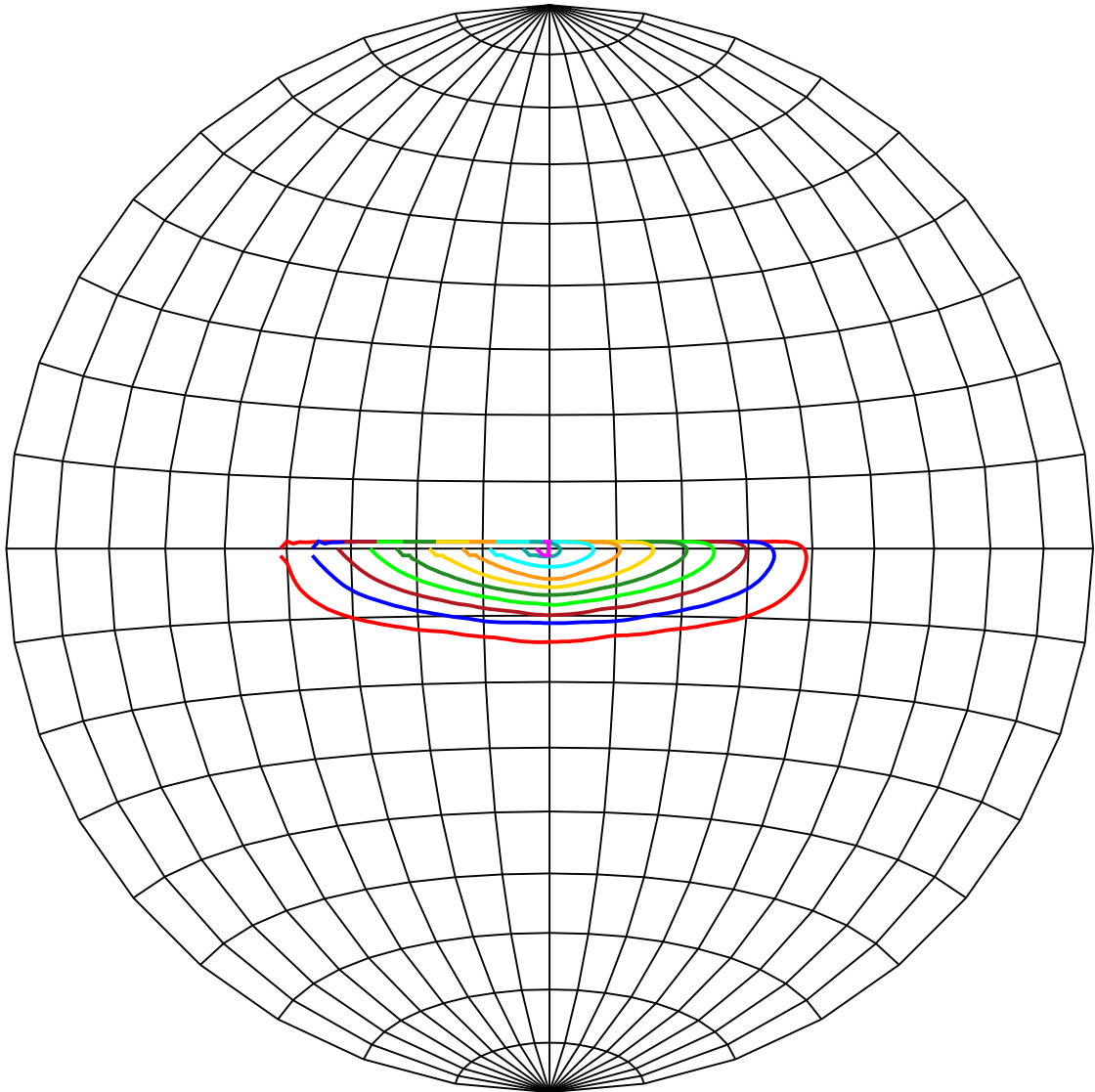
C Range: 0 - 360 Deg
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 Test Speed: High
 Temperature:
 Operators:
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ISOCANDELA DIAGRAM (SPHERE)



Unit of intensity:cd I_{max}(100%): 2214.808 cd

— 2104.067(95%I_{max})

— 1107.404(50%I_{max})

— 1993.327(90%I_{max})

— 885.923(40%I_{max})

— 1771.846(80%I_{max})

— 664.442(30%I_{max})

— 1550.365(70%I_{max})

— 442.962(20%I_{max})

— 1328.885(60%I_{max})

— 221.481(10%I_{max})

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2023/6/7 17:04:44

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity:

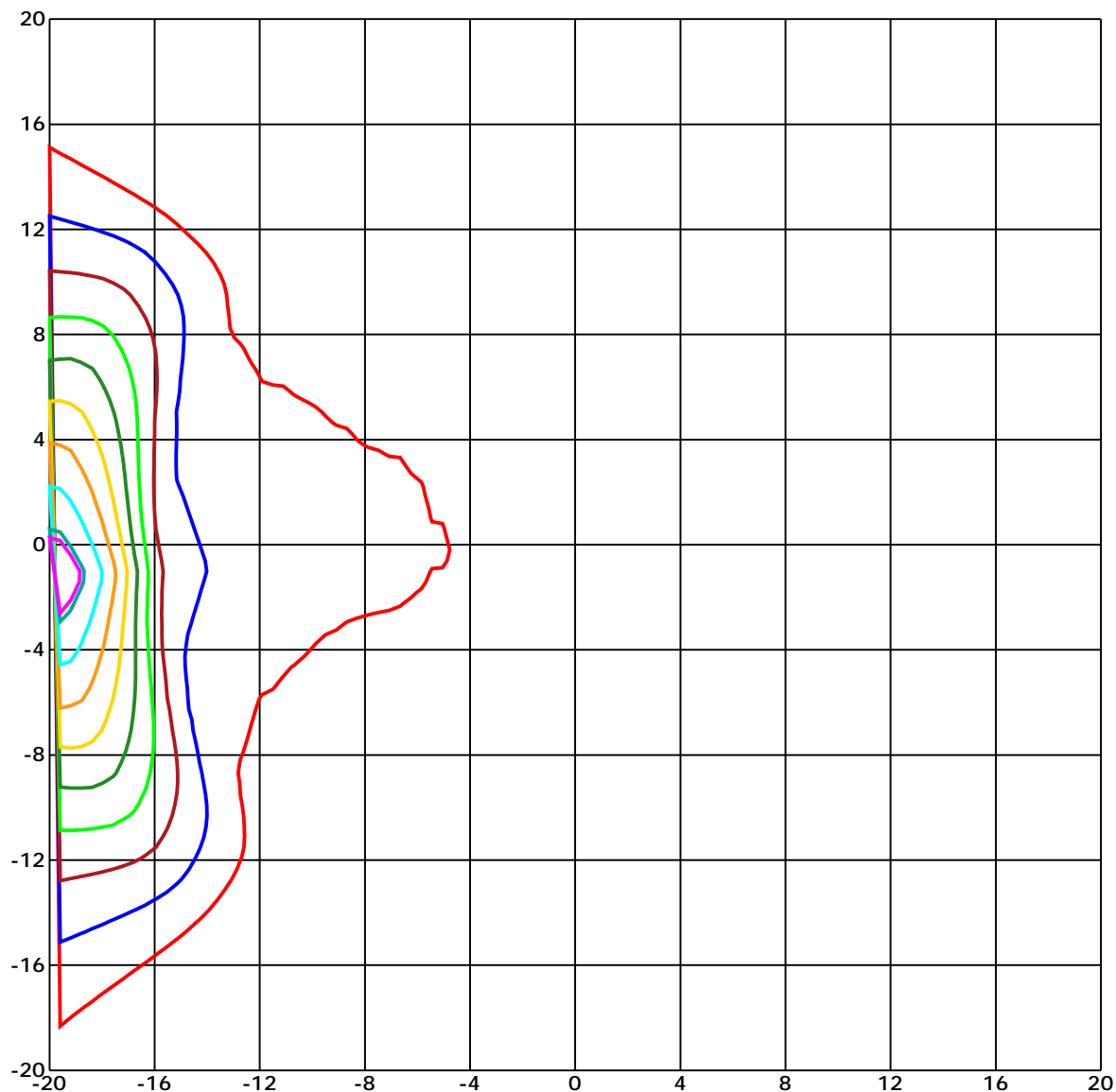
Test Distance: 6.38 m

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ISOLX DIAGRAM



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

-92000.0(-4154%Emax)	-50000.0(-2258%Emax)
-90000.0(-4064%Emax)	-40000.0(-1806%Emax)
-80000.0(-3612%Emax)	-30000.0(-1355%Emax)
-70000.0(-3161%Emax)	-20000.0(-903%Emax)
-60000.0(-2709%Emax)	-10000.0(-452%Emax)

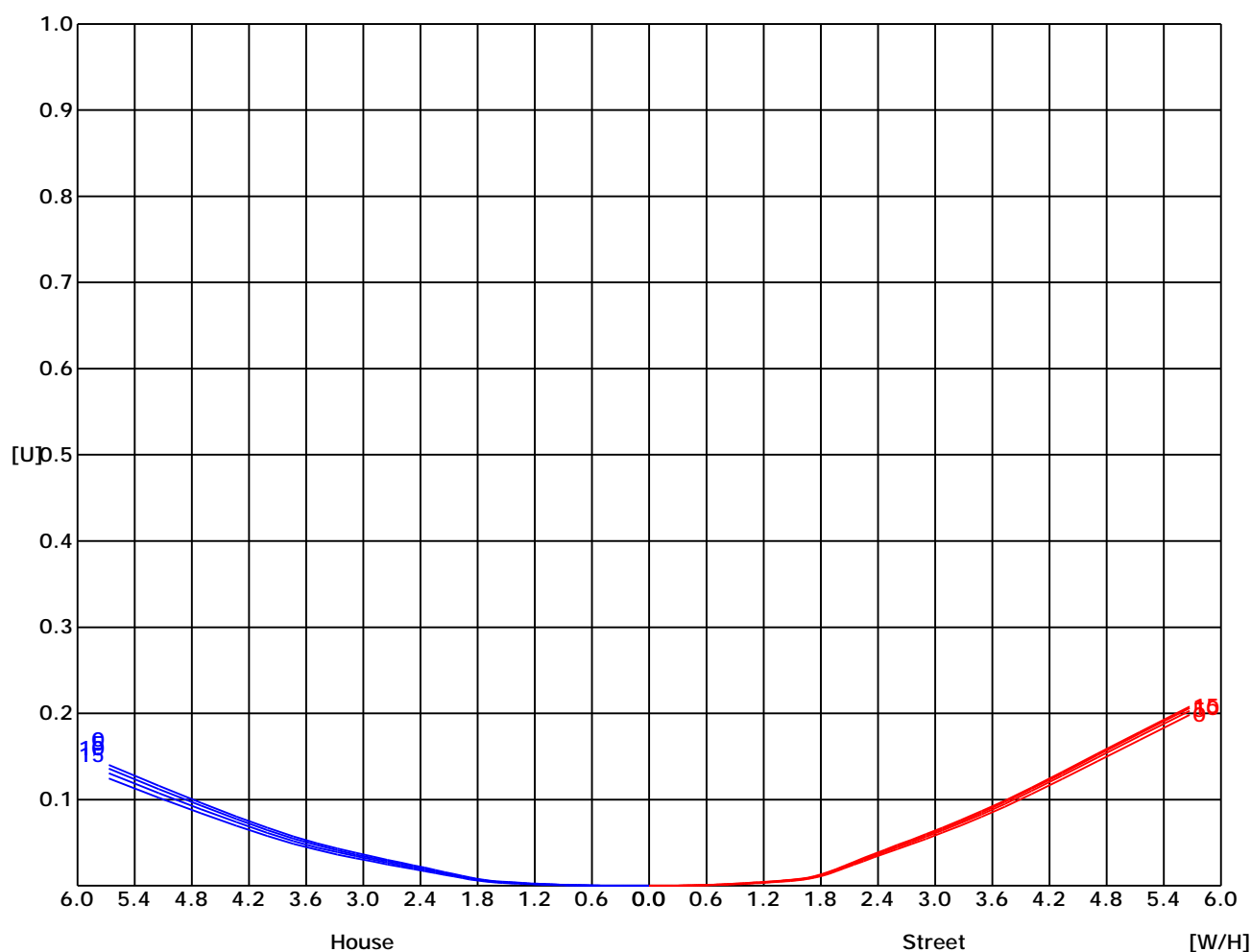
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
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G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity:
 Test Distance: 6.38 m
 Remarks:

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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 17:04:44

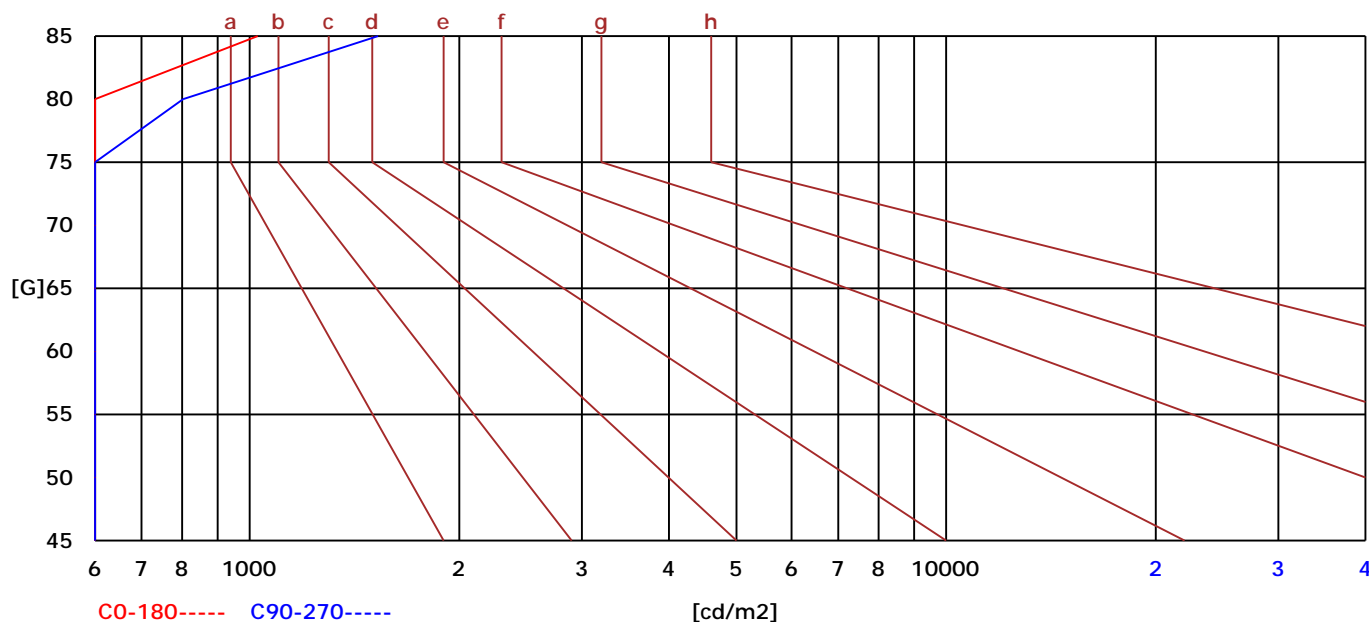
G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity:
 Test Distance: 6.38 m
 Remarks:

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BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	12	79	264	1027
C90	105	142	181	226	287	372	507	803	1530
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



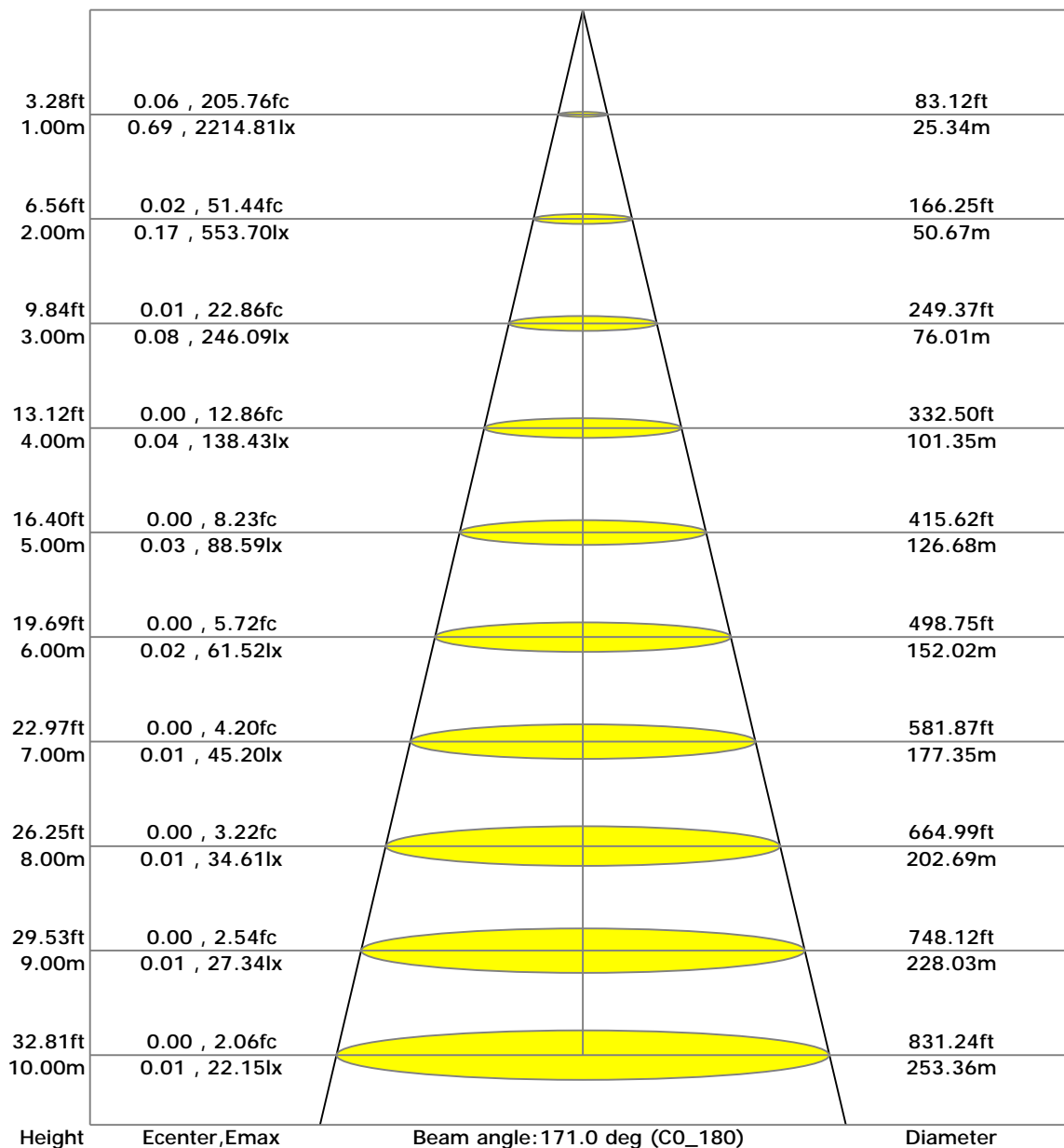
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
 Test Date: 2023/6/7 17:04:44

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 17:04:44

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	1.54	1.84	1.74	2.03	2.29	1.54	1.84	1.74	2.03	2.29
3H	1.47	1.76	1.69	1.96	2.22	1.47	1.76	1.69	1.96	2.22
4H	1.43	1.71	1.66	1.91	2.18	7.20	7.48	7.43	7.68	7.95
6H	1.39	1.65	1.62	1.86	2.13	14.94	15.21	15.17	15.42	15.68
8H	1.37	1.62	1.60	1.83	2.10	14.92	15.17	15.15	15.39	15.66
12H	1.34	1.58	1.58	1.80	2.07	14.89	15.14	15.13	15.35	15.63
4H 2H	19.78	20.05	20.00	20.26	20.52	1.43	1.71	1.66	1.91	2.18
3H	20.32	20.57	20.56	20.78	21.05	1.34	1.58	1.58	1.80	2.07
4H	20.31	20.53	20.56	20.75	21.03	10.91	11.13	11.15	11.35	11.63
6H	20.24	20.43	20.49	20.66	20.94	21.90	22.09	22.15	22.32	22.60
8H	20.20	20.37	20.46	20.61	20.89	25.98	26.16	26.24	26.39	26.67
12H	20.16	20.31	20.42	20.55	20.83	28.26	28.42	28.52	28.66	28.94
8H 4H	38.60	38.86	38.84	39.07	39.34	1.37	1.62	1.60	1.83	2.10
6H	39.52	39.66	39.79	39.90	40.19	22.24	22.38	22.51	22.63	22.91
8H	39.47	39.59	39.75	39.84	40.13	27.32	27.44	27.59	27.69	27.97
12H	39.42	39.51	39.69	39.77	40.06	32.09	32.19	32.37	32.45	32.74
12H 4H	44.38	44.54	44.65	44.78	45.06	10.83	10.98	11.09	11.22	11.51
6H	44.62	44.74	44.89	44.99	45.28	22.19	22.31	22.47	22.56	22.85

C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
 Test Date: 2023/6/7 17:04:44

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]

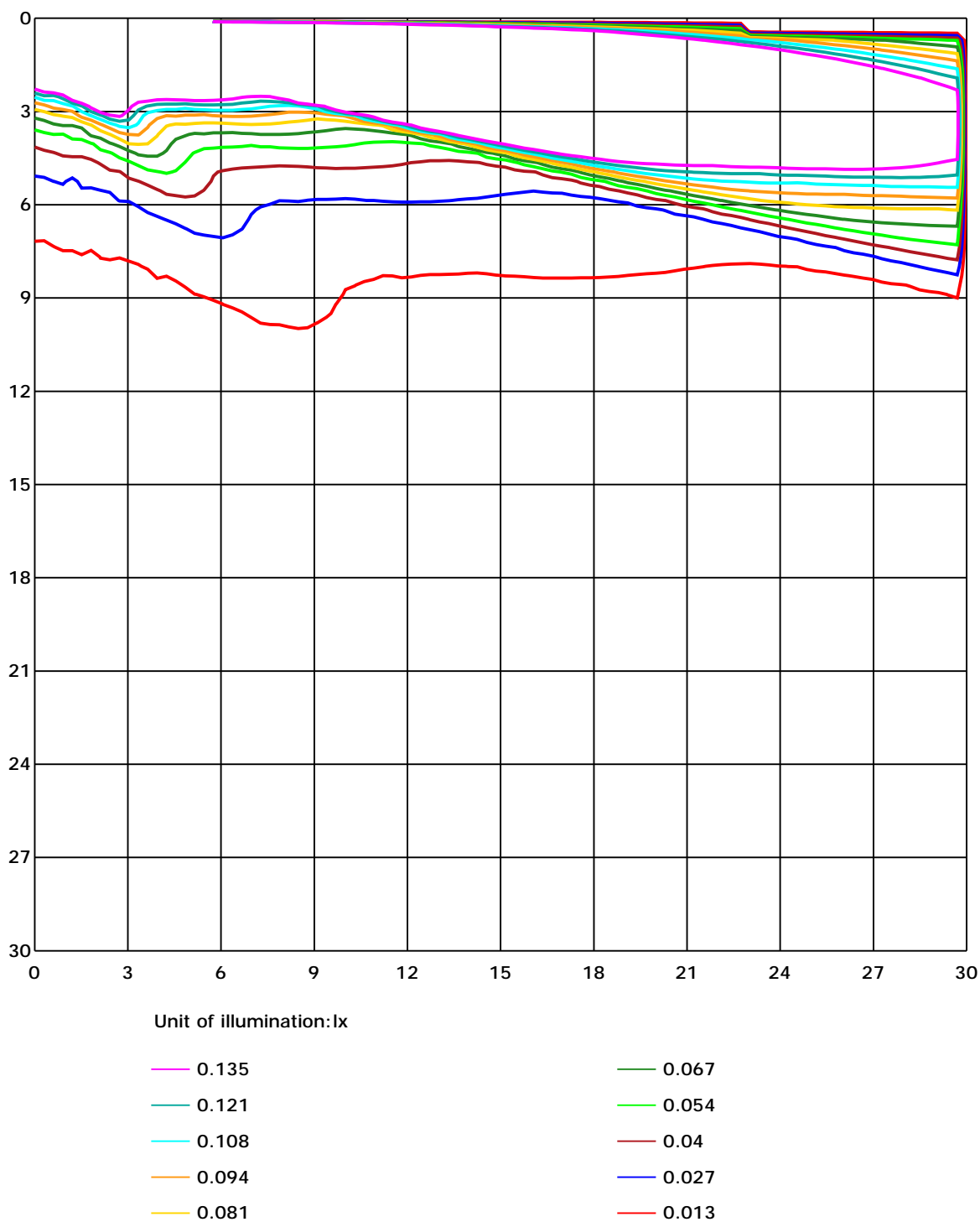
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Temperature:
Operators:
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G Range: 0 - 90 Deg
G Interval: 1.0 Deg
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Humidity:
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Remarks:

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SPACE ISOLX DIAGRAM



C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
 Test Date: 2023/6/7 17:04:44

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	0.69	0.0	0.0	0.16	0.69	0.0	0.0	0.16	0.69	
G1	0.69	0.0	0.0	0.2	0.69	0.0	0.0	0.16	0.69	
G2	0.69	0.0	0.0	0.2	0.69	0.0	0.0	0.16	0.69	
G3	0.69	0.0	0.0	0.24	0.69	0.0	0.0	0.16	0.69	
G4	0.73	0.0	0.0	0.24	0.69	0.0	0.0	0.16	0.73	
G5	0.73	0.0	0.0	0.28	0.73	0.0	0.0	0.16	0.73	
G6	0.73	0.0	0.0	0.33	0.61	0.0	0.0	0.16	0.73	
G7	0.77	0.0	0.0	0.37	0.73	0.0	0.0	0.12	0.77	
G8	0.77	0.0	0.0	0.41	0.77	0.0	0.0	0.12	0.77	
G9	0.77	0.0	0.0	0.41	0.73	0.0	0.0	0.08	0.77	
G10	0.81	0.0	0.0	0.45	0.77	0.0	0.0	0.08	0.81	
G11	0.81	0.0	0.0	0.45	0.77	0.0	0.0	0.08	0.81	
G12	0.85	0.0	0.0	0.49	0.85	0.0	0.0	0.08	0.85	
G13	0.73	0.0	0.0	0.53	0.85	0.0	0.0	0.08	0.73	
G14	0.85	0.0	0.0	0.45	1.02	0.0	0.0	0.08	0.85	
G15	0.9	0.0	0.0	0.57	0.94	0.0	0.0	0.08	0.9	
G16	0.9	0.0	0.0	0.65	0.98	0.0	0.0	0.08	0.9	
G17	0.94	0.0	0.0	0.65	1.14	0.0	0.0	0.08	0.94	
G18	0.94	0.0	0.0	0.65	1.06	0.0	0.0	0.08	0.94	
G19	0.94	0.0	0.0	0.73	1.14	0.0	0.0	0.08	0.94	
G20	0.98	0.0	0.0	0.77	1.2	0.0	0.0	0.12	0.98	
G21	1.02	0.0	0.0	0.81	1.26	0.0	0.0	0.12	1.02	
G22	1.02	0.0	0.0	0.85	1.36	0.0	0.0	0.12	1.02	
G23	1.1	0.0	0.0	0.9	1.47	0.0	0.0	0.12	1.1	
G24	1.1	0.0	0.0	0.94	1.59	0.0	0.0	0.12	1.1	
G25	1.26	0.0	0.0	1.02	1.71	0.02	0.0	0.12	1.26	
G26	1.34	0.0	0.0	1.06	1.99	0.04	0.0	0.12	1.34	
G27	1.3	0.0	0.0	1.14	2.2	0.08	0.0	0.12	1.3	
G28	1.38	0.0	0.0	1.22	2.16	0.08	0.0	0.06	1.38	
G29	1.47	0.0	0.0	1.3	2.28	0.12	0.0	0.11	1.47	
G30	1.63	0.0	0.0	1.34	2.48	0.16	0.0	0.06	1.63	
G31	1.71	0.0	0.0	1.42	2.85	0.24	0.0	0.11	1.71	
G32	1.79	0.0	0.0	1.67	2.89	0.24	0.0	0.16	1.79	
G33	1.91	0.0	0.0	1.63	3.13	0.33	0.0	0.16	1.91	
G34	2.04	0.0	0.0	1.67	3.34	0.33	0.0	0.16	2.04	
G35	2.16	0.0	0.0	1.75	3.5	0.37	0.0	0.16	2.16	
G36	2.36	0.0	0.0	1.91	3.74	0.41	0.0	0.2	2.36	

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Test System: Huipu CPM-1800B Goniophotometer
Humidity:
Test Distance: 6.38 m
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LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	2.61	0.0	0.0	2.04	3.79	0.45	0.0	0.24	2.61	
G38	2.65	0.0	0.0	2.08	3.91	0.49	0.0	0.33	2.65	
G39	2.81	0.0	0.0	2.2	4.03	0.49	0.0	0.41	2.81	
G40	2.97	0.0	0.0	2.32	4.19	0.53	0.0	0.49	2.97	
G41	3.13	0.0	0.0	2.4	4.36	0.61	0.0	0.57	3.13	
G42	3.22	0.0	0.0	2.52	4.56	0.57	0.0	0.73	3.22	
G43	3.3	0.0	0.0	2.69	4.8	0.69	0.0	0.9	3.3	
G44	3.38	0.0	0.0	2.85	5.17	0.73	0.0	1.06	3.38	
G45	3.46	0.0	0.0	2.97	5.45	0.77	0.0	1.3	3.46	
G46	3.5	0.0	0.0	3.09	5.74	0.85	0.0	1.71	3.5	
G47	3.5	0.0	0.0	3.22	6.39	0.85	0.0	1.83	3.5	
G48	3.62	0.0	0.0	3.38	6.96	0.9	0.0	1.99	3.62	
G49	3.54	0.0	0.0	3.5	7.61	0.94	0.0	2.44	3.54	
G50	3.79	0.0	0.0	3.66	8.14	0.98	0.0	2.61	3.79	
G51	3.87	0.0	0.0	3.74	9.16	1.02	0.0	2.97	3.87	
G52	4.15	0.0	0.0	3.95	10.09	1.1	0.0	3.34	4.15	
G53	4.27	0.0	0.0	3.87	10.79	1.18	0.0	3.66	4.27	
G54	4.52	0.0	0.0	4.15	12.37	1.38	0.0	4.03	4.52	
G55	5.01	0.0	0.0	4.15	14.98	1.26	0.0	4.48	5.01	
G56	5.29	0.0	0.0	4.4	17.91	1.34	0.0	4.88	5.29	
G57	5.66	0.0	0.0	4.31	21.37	1.38	0.0	5.33	5.66	
G58	6.15	0.0	0.0	4.52	30.45	1.42	0.0	5.74	6.15	
G59	6.68	0.0	0.0	4.64	47.3	1.47	0.0	6.15	6.68	
G60	7.16	0.0	0.0	4.52	70.95	1.51	0.0	6.55	7.16	
G61	8.1	0.0	0.0	4.72	94.68	1.59	0.0	6.92	8.1	
G62	8.95	0.0	0.0	4.6	118.78	1.63	0.0	7.29	8.95	
G63	10.05	0.0	0.0	4.76	143.4	1.67	0.0	7.65	10.05	
G64	11.15	0.0	0.0	4.84	160.25	1.67	0.0	8.02	11.15	
G65	12.41	0.0	0.0	4.84	169.86	1.75	0.0	8.3	12.41	
G66	13.84	0.0	0.0	4.93	177.59	1.79	0.0	8.63	13.84	
G67	15.3	0.0	0.0	4.93	186.67	1.79	0.0	8.95	15.3	
G68	17.18	0.04	0.0	4.97	198.07	1.83	0.0	9.16	17.18	
G69	18.97	0.04	0.0	5.05	214.51	1.83	0.0	9.32	18.97	
G70	21.25	0.16	0.0	5.09	238.81	1.87	0.0	9.44	21.25	
G71	24.06	0.2	0.0	5.09	269.99	1.87	0.0	9.52	24.06	
G72	29.23	0.28	0.0	5.13	308.82	1.91	0.0	9.61	29.23	
G73	39.12	0.41	0.0	5.17	357.47	1.75	0.0	9.61	39.12	

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2023/6/7 17:04:44

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 17:04:44

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 17:04:44

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