

Report No.:

Test Time: 2023/5/11 16:46:47

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: 0
Luminaire Type: STB07
Lamp Type:
Luminous Width: 0 mm
Luminous Length: 0 mm
Luminous Height: 0 mm

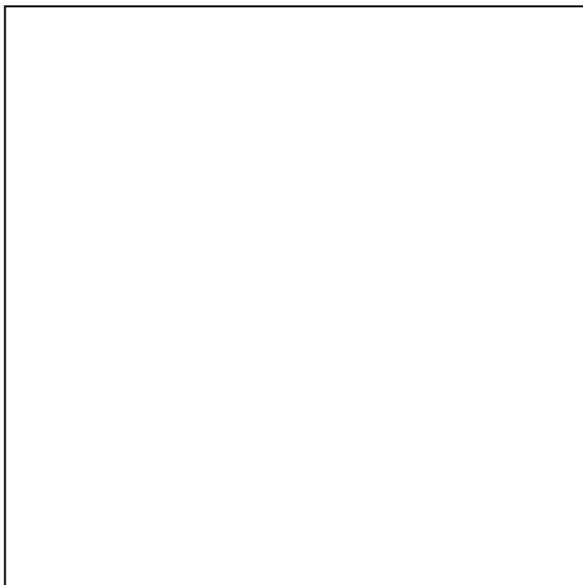
Voltage(V): 11.90 V
Current(A): 0.1590 A
Power(W): 1.95 W
Power Factor: 0.8150
Lamp Luminous Flux: 34.17

Photometric Results

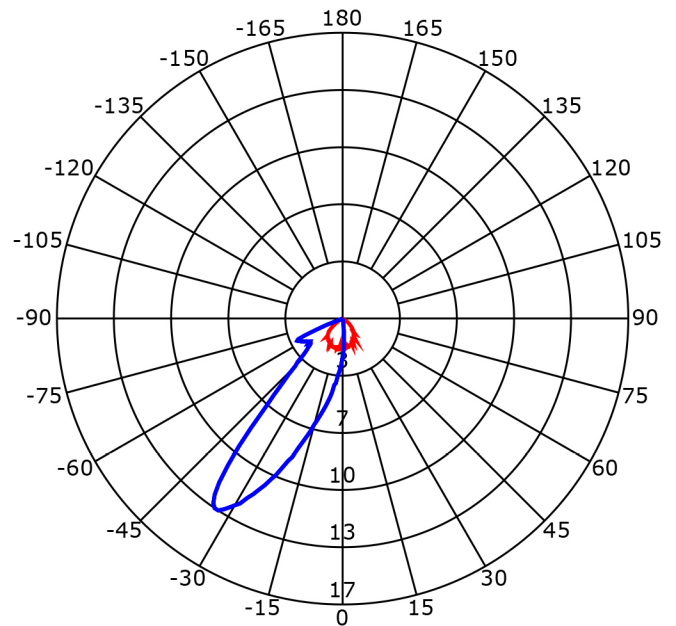
CIE Class: Direct
Luminaire Luminous Flux: 34.166414 lm
Downward Ratio: 100.00%
Luminaire Efficacy Rating(LER): 17.27 lm/W
Beam Angle(50%) C0-180,C90-270: 91.8,75.2
Field Angle(10%) C0-180,C90-270: 120.8,101.6
S/MH C0-180,C90-270: 1.299,1.931

Max. Intensity: 13.47 cd
Max.Intensity Angle: C=270 Gamma=34
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 1.63 cd
Effective Luminous Flux: 34.07m
ERP(ϕ use)(120deg): 33.44 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 91.8 deg,75.2 deg

C0-180 — C90-270 —

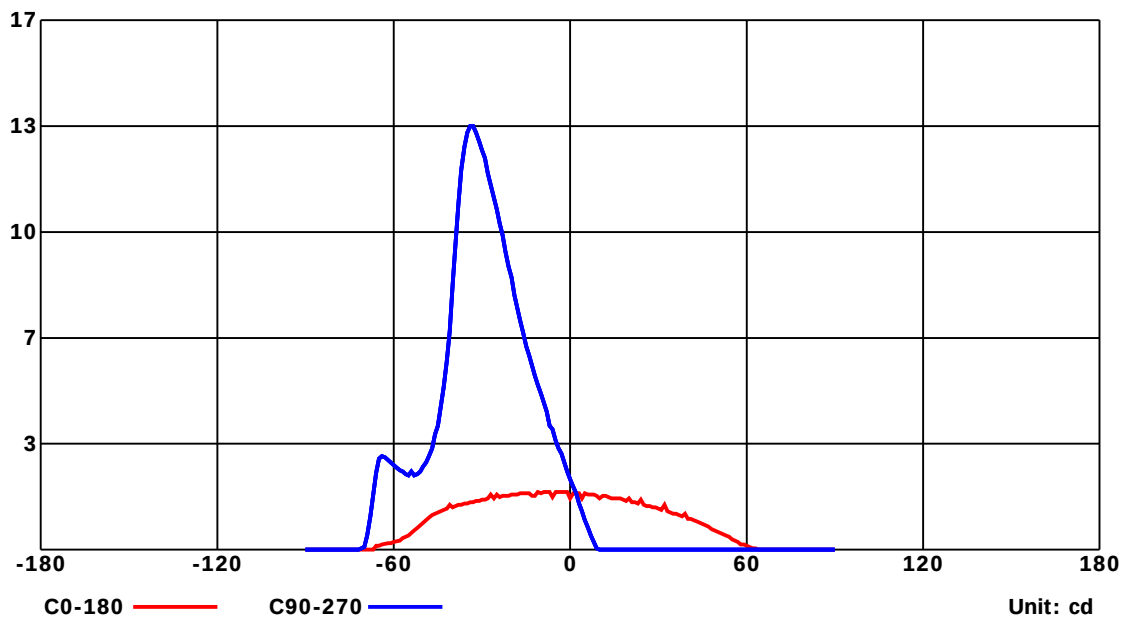
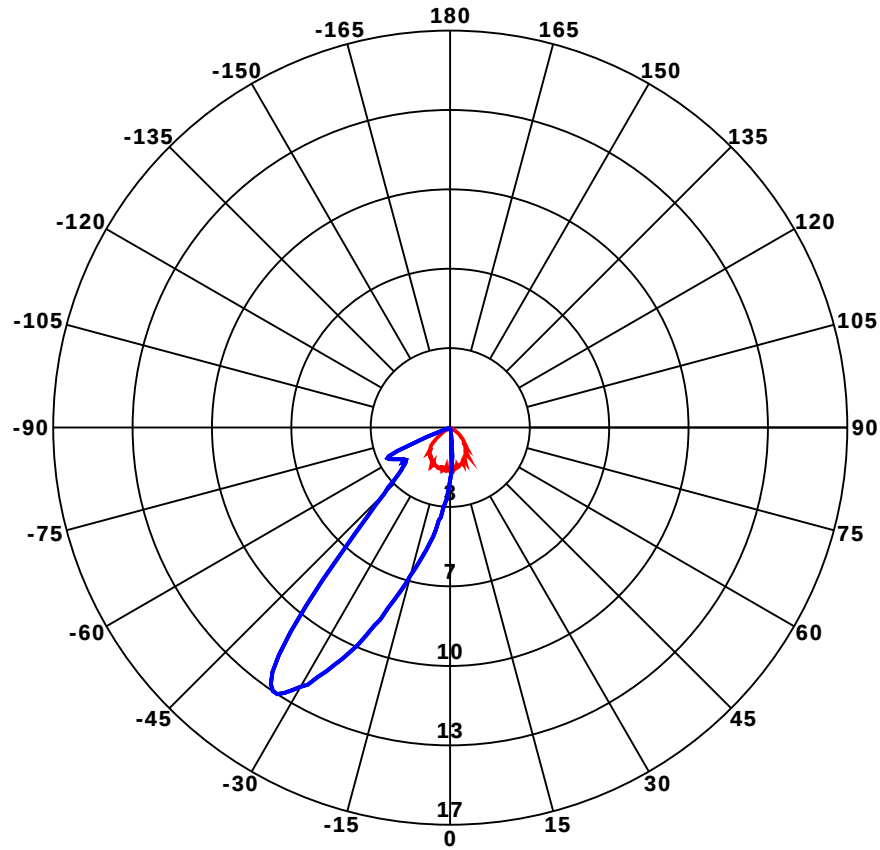
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2023/5/11 16:46:47

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: 2023/5/11 16:46:47

Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2023/5/11 16:46:47

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity:

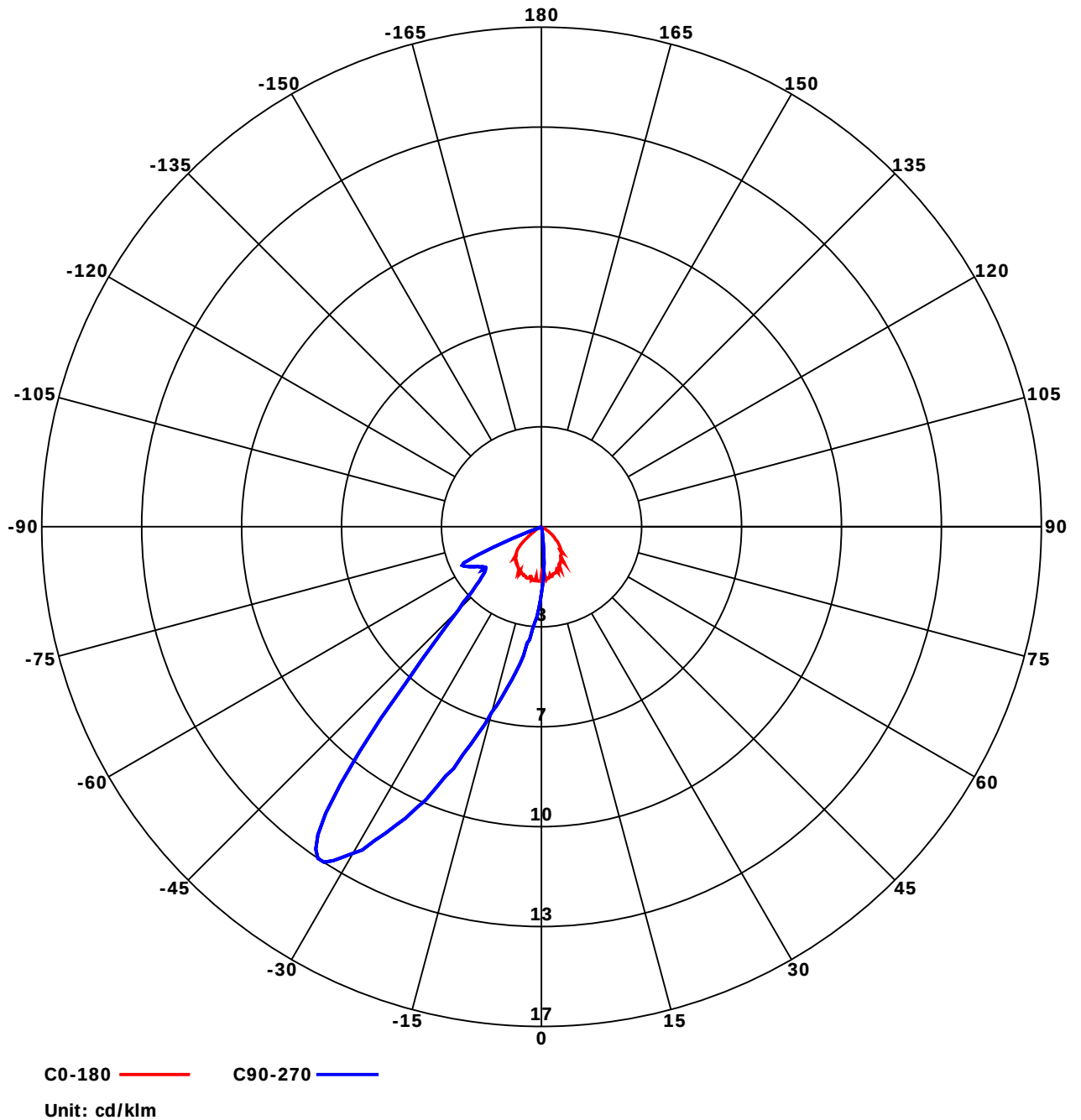
Test Distance: 6.38 m

Remarks:

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Test Time: 2023/5/11 16:46:47

Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2023/5/11 16:46:47

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

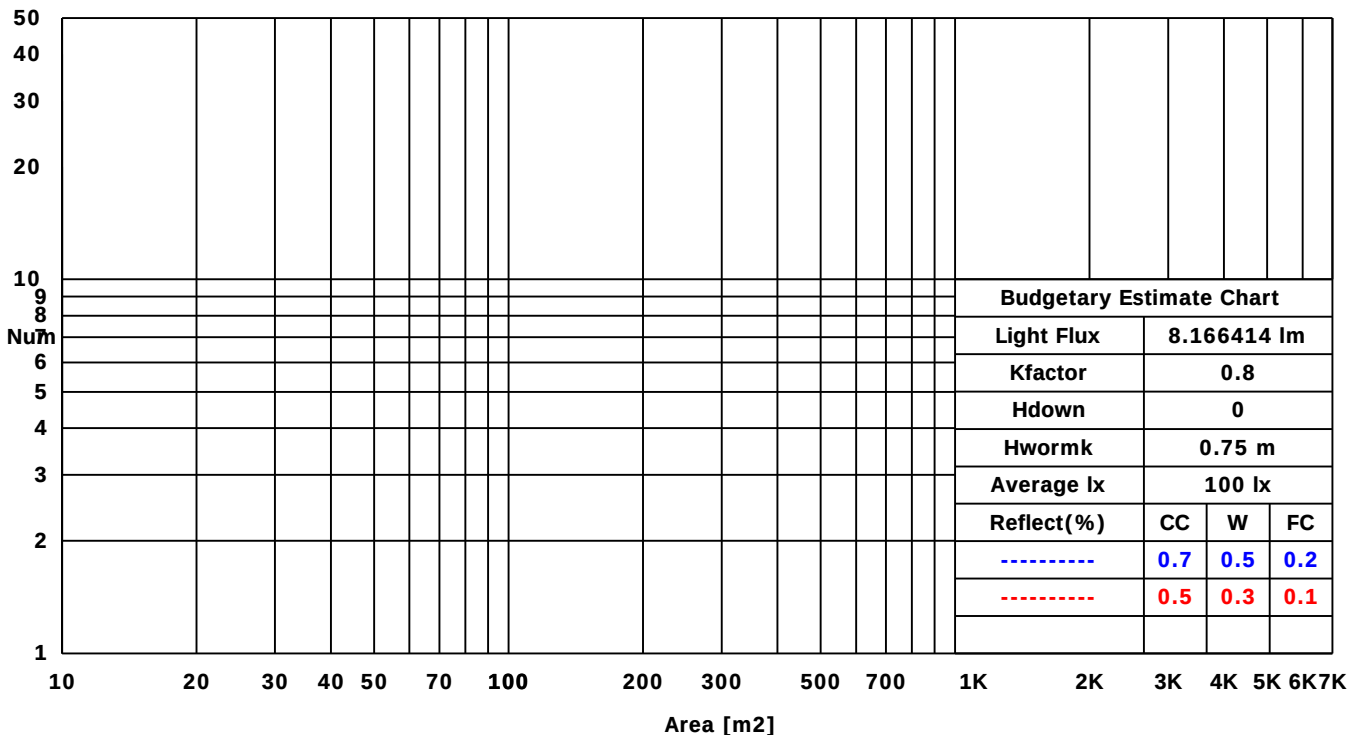
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UTILIZATION FACTORS TABLE

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	1.11	1.09	1.08	1.09	1.08	1.06	1.05	1.03	1.02	1.00	0.98	0.97	0.93	0.91	0.90	0.84
2	1.01	1.00	0.99	1.00	0.98	0.97	0.97	0.94	0.92	0.93	0.90	0.88	0.87	0.84	0.82	0.77
3	0.93	0.91	0.90	0.92	0.90	0.88	0.89	0.86	0.84	0.86	0.83	0.80	0.81	0.78	0.75	0.70
4	0.85	0.83	0.82	0.85	0.82	0.80	0.83	0.79	0.77	0.80	0.76	0.73	0.76	0.72	0.68	0.64
5	0.79	0.77	0.75	0.78	0.75	0.74	0.76	0.73	0.70	0.74	0.70	0.67	0.71	0.67	0.63	0.59
6	0.72	0.71	0.69	0.72	0.70	0.68	0.71	0.67	0.65	0.69	0.65	0.61	0.67	0.62	0.58	0.54
7	0.67	0.65	0.64	0.67	0.64	0.63	0.66	0.62	0.60	0.65	0.60	0.57	0.63	0.58	0.54	0.50
8	0.62	0.61	0.59	0.62	0.60	0.58	0.62	0.58	0.55	0.61	0.56	0.53	0.59	0.54	0.50	0.47
9	0.58	0.56	0.55	0.58	0.56	0.54	0.58	0.54	0.52	0.57	0.52	0.49	0.56	0.50	0.46	0.43
10	0.55	0.53	0.52	0.55	0.52	0.51	0.54	0.51	0.48	0.54	0.49	0.46	0.53	0.47	0.43	0.41

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2023/5/11 16:46:47

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity:

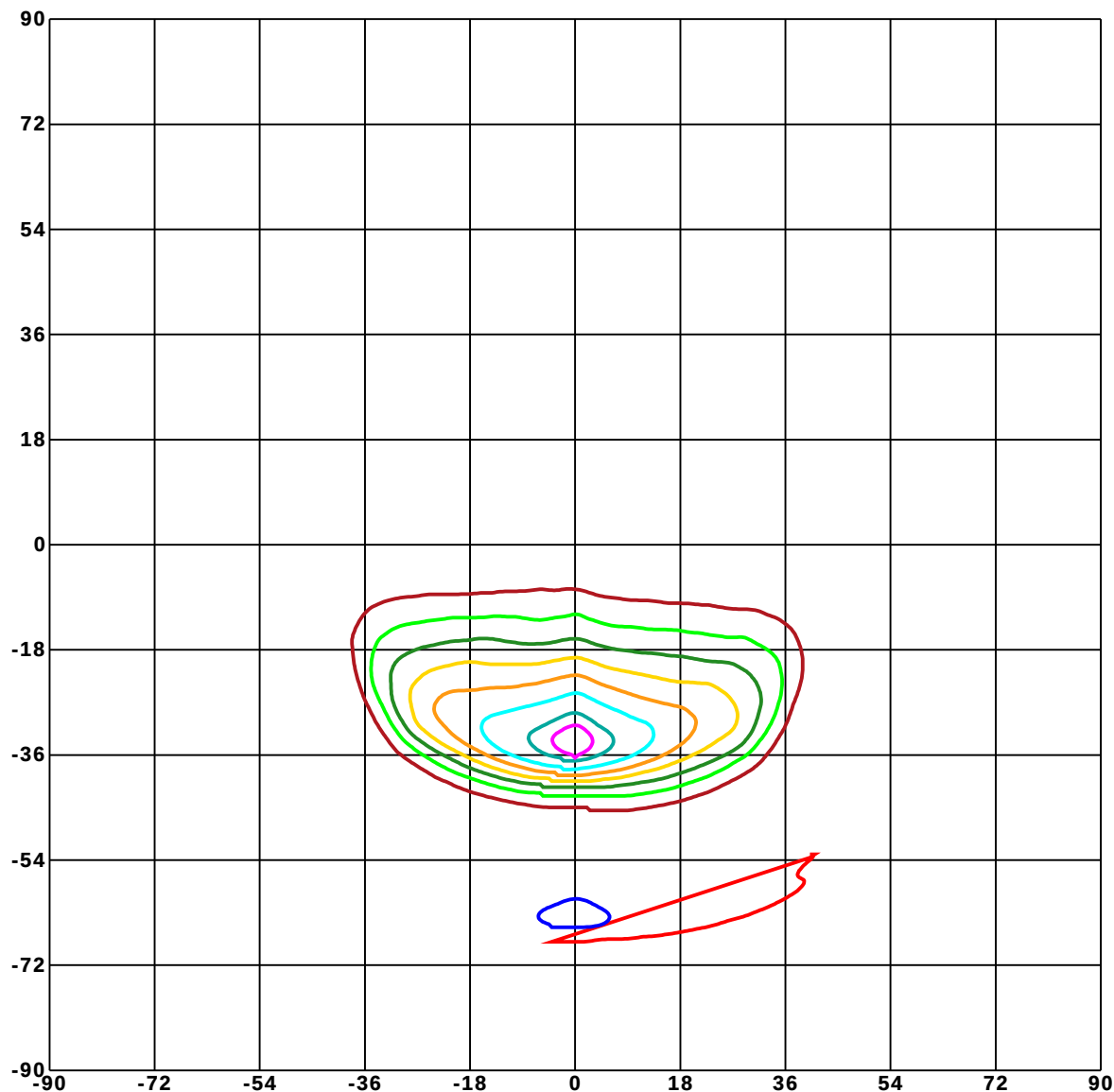
Test Distance: 6.38 m

Remarks:

Report No.:

Test Time: 2023/5/11 16:46:47

ISOCANDELA DIAGRAM (RECTANGULAR)



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2023/5/11 16:46:47

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity:

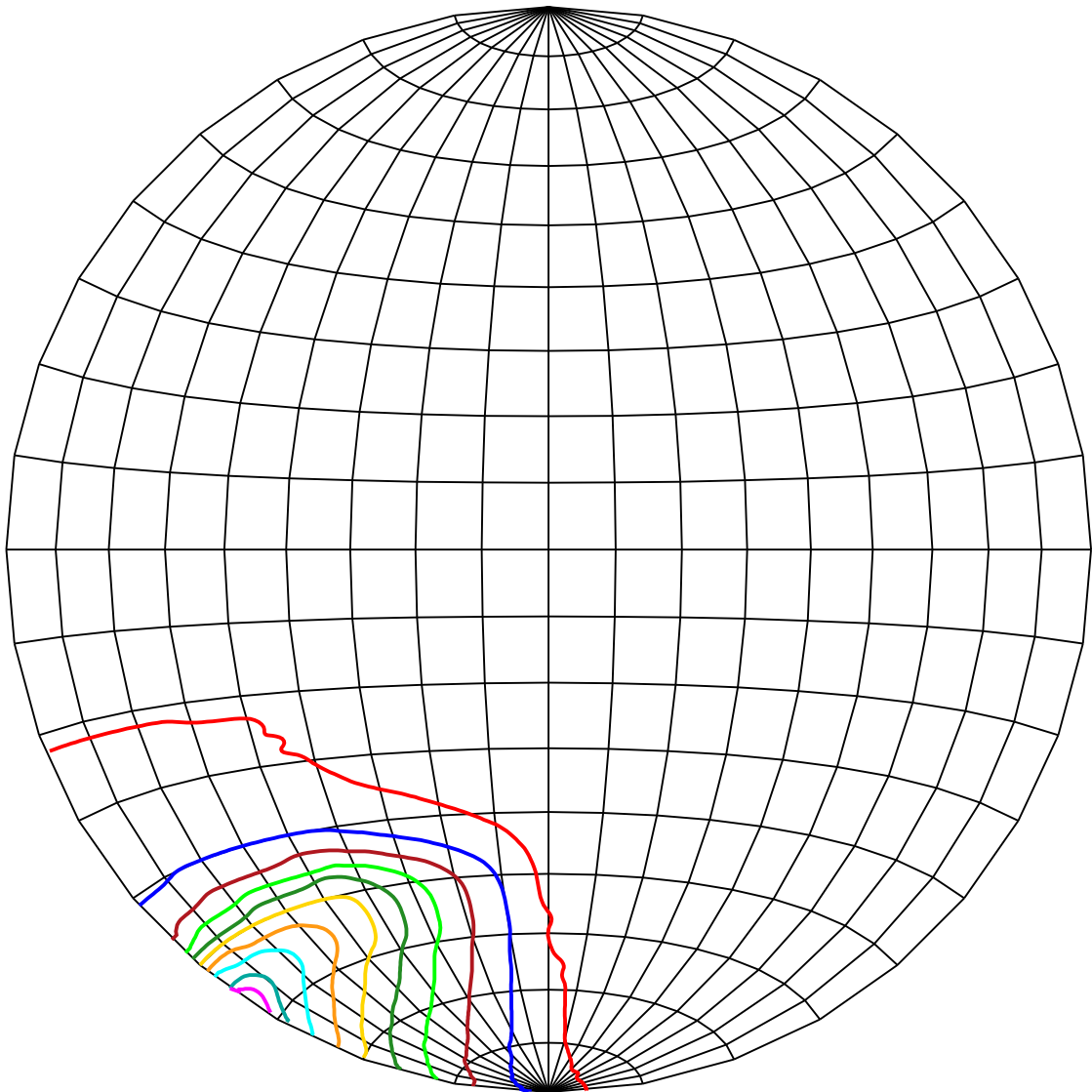
Test Distance: 6.38 m

Remarks:

Report No.:

Test Time: 2023/5/11 16:46:47

ISOCANDELA DIAGRAM (SPHERE)



Unit of intensity:cd I_{max}(100%): 13.473 cd

12.8(95%I _{max})	6.737(50%I _{max})
12.126(90%I _{max})	5.389(40%I _{max})
10.779(80%I _{max})	4.042(30%I _{max})
9.431(70%I _{max})	2.695(20%I _{max})
8.084(60%I _{max})	1.347(10%I _{max})

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2023/5/11 16:46:47

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity:

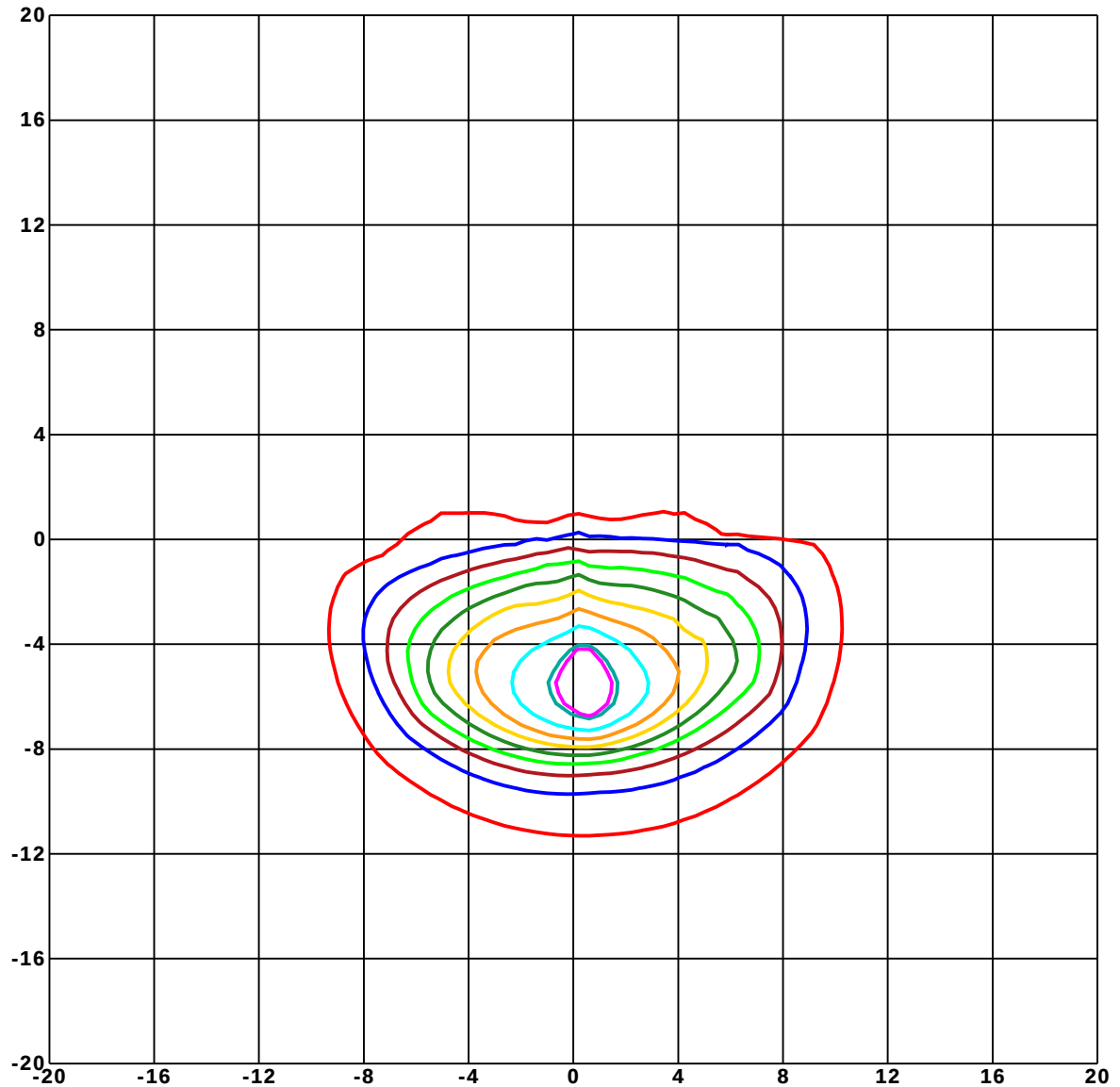
Test Distance: 6.38 m

Remarks:

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Test Time: 2023/5/11 16:46:47

ISOLX DIAGRAM



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

0.077(1%E _{max})	0.042(0%E _{max})
0.075(1%E _{max})	0.033(0%E _{max})
0.067(0%E _{max})	0.025(0%E _{max})
0.058(0%E _{max})	0.017(0%E _{max})
0.05(0%E _{max})	0.008(0%E _{max})

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2023/5/11 16:46:47

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity:

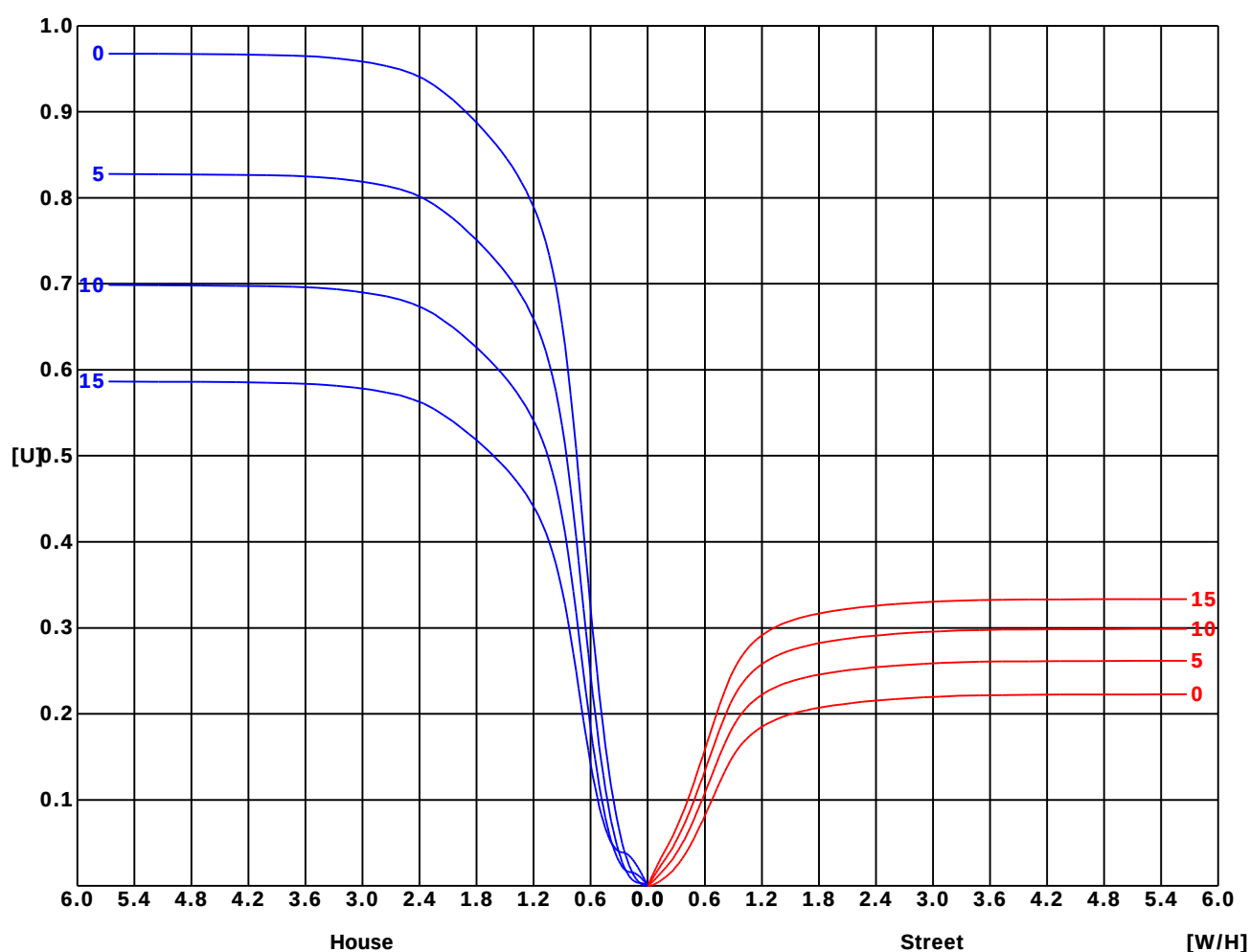
Test Distance: 6.38 m

Remarks:

Report No.:

Test Time: 2023/5/11 16:46:47

UTILIZATION FACTOR DIAGRAM (ROAD)



C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2023/5/11 16:46:47

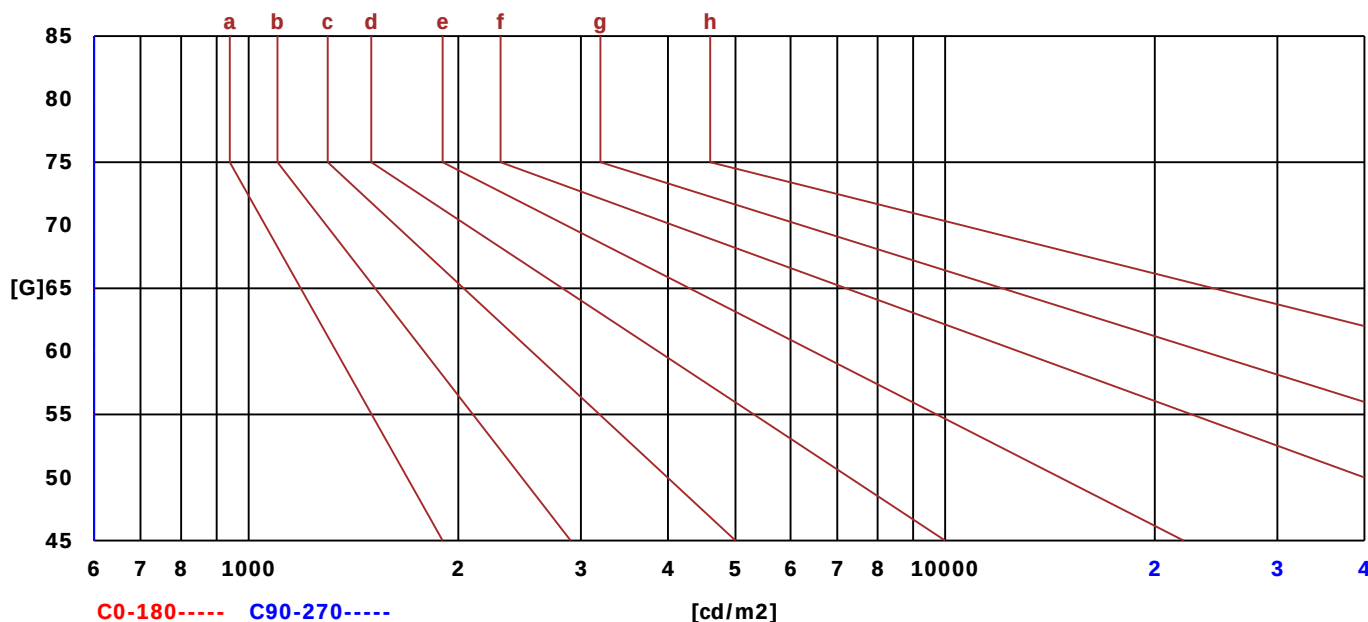
G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1800B Goniophotometer
Humidity:
Test Distance: 6.38 m
Remarks:

Report No.:

Test Time: 2023/5/11 16:46:47

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:

Operators:

Test Date: 2023/5/11 16:46:47

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity:

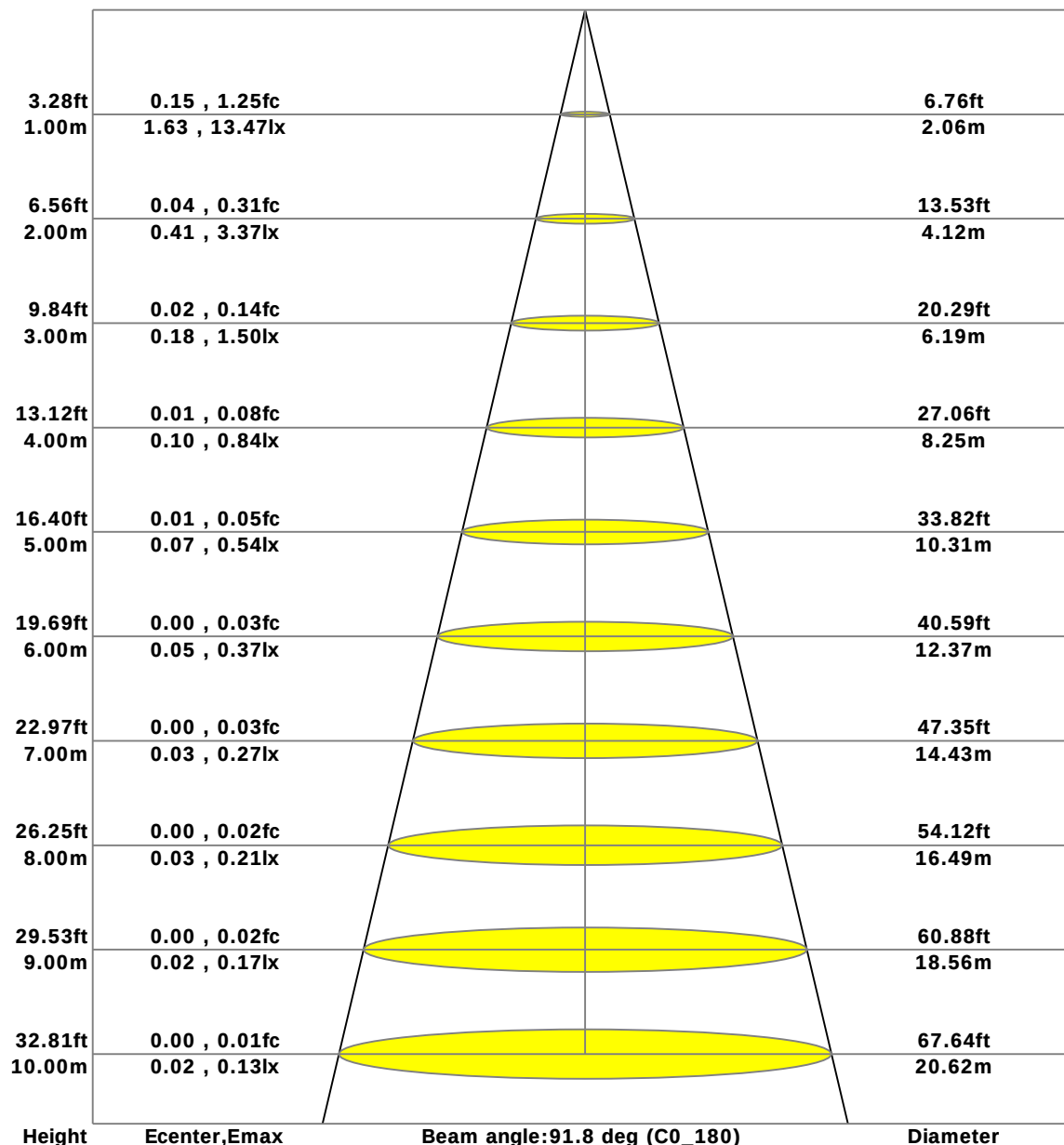
Test Distance: 6.38 m

Remarks:

Report No.:

Test Time: 2023/5/11 16:46:47

LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2023/5/11 16:46:47

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: 2023/5/11 16:46:47

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	1.92	1.98	2.12	2.17	2.41	-0.76	-0.70	-0.56	-0.51	-0.27
3H	1.87	1.94	2.08	2.13	2.37	-0.81	-0.75	-0.60	-0.55	-0.31
4H	1.85	1.91	2.06	2.11	2.35	-0.84	-0.77	-0.62	-0.58	-0.33
6H	1.82	1.88	2.04	2.08	2.33	-0.86	-0.80	-0.65	-0.60	-0.35
8H	1.81	1.87	2.03	2.07	2.32	-0.88	-0.82	-0.66	-0.61	-0.36
12H	1.79	1.85	2.01	2.06	2.31	-0.89	-0.83	-0.67	-0.63	-0.37
4H 2H	1.85	1.91	2.06	2.11	2.36	-0.84	-0.77	-0.62	-0.58	-0.33
3H	1.79	1.85	2.02	2.06	2.31	-0.89	-0.83	-0.67	-0.63	-0.37
4H	1.76	1.82	1.99	2.03	2.29	-0.92	-0.87	-0.69	-0.65	-0.39
6H	1.73	1.78	1.97	2.00	2.27	-0.95	-0.90	-0.72	-0.68	-0.42
8H	1.71	1.76	1.96	1.99	2.25	-0.97	-0.92	-0.73	-0.70	-0.43
12H	1.69	1.74	1.94	1.97	2.24	-0.99	-0.94	-0.74	-0.71	-0.44
8H 4H	1.81	1.87	2.03	2.07	2.32	-0.88	-0.82	-0.66	-0.61	-0.36
6H	1.68	1.72	1.93	1.96	2.23	-1.01	-0.96	-0.75	-0.73	-0.45
8H	1.66	1.70	1.92	1.94	2.22	-1.03	-0.99	-0.77	-0.74	-0.47
12H	1.63	1.67	1.90	1.92	2.21	-1.05	-1.01	-0.78	-0.76	-0.48
12H 4H	1.69	1.74	1.94	1.97	2.24	-0.99	-0.94	-0.74	-0.71	-0.44
6H	1.66	1.70	1.92	1.94	2.22	-1.03	-0.99	-0.77	-0.74	-0.47

C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
 Test Date: 2023/5/11 16:46:47

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: 2023/5/11 16:46:47

ZONAL LUMINOUS FLUX TABLE

[illegible]

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2023/5/11 16:46:47

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity:

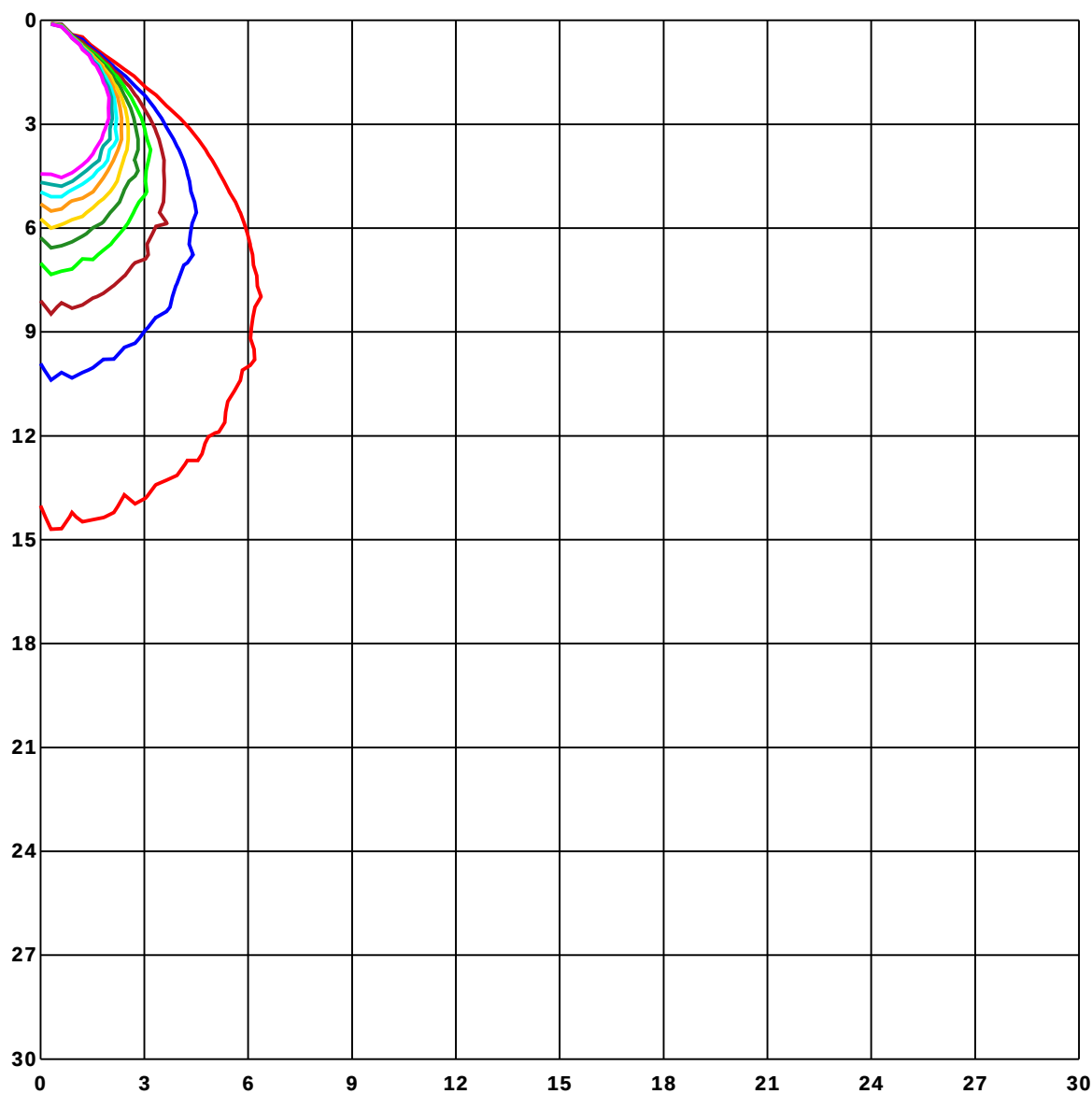
Test Distance: 6.38 m

Remarks:

Report No.:

Test Time: 2023/5/11 16:46:47

SPACE ISOLX DIAGRAM



Unit of illumination:lx



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2023/5/11 16:46:47

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: 2023/5/11 16:46:47

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma/C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	1.63	2.08	2.24	1.75	1.63	2.08	2.24	1.75	1.63	
G1	1.79	1.75	1.99	1.59	1.83	2.28	2.48	1.91	1.79	
G2	1.79	1.71	1.79	1.59	1.83	2.44	2.77	2.08	1.79	
G3	1.79	1.38	1.47	1.22	1.83	2.48	3.05	2.28	1.79	
G4	1.63	1.34	1.22	1.06	1.83	2.65	3.22	2.44	1.63	
G5	1.79	1.06	0.94	1.02	1.83	3.05	3.46	2.65	1.79	
G6	1.75	0.98	0.69	0.69	1.67	3.22	3.83	2.81	1.75	
G7	1.75	0.77	0.45	0.57	1.83	3.42	3.95	3.01	1.75	
G8	1.75	0.61	0.24	0.41	1.83	3.62	4.4	3.17	1.75	
G9	1.71	0.37	0.04	0.24	1.83	3.83	4.68	3.34	1.71	
G10	1.63	0.24	0.0	0.08	1.79	3.99	4.97	3.46	1.63	
G11	1.71	0.12	0.0	0.0	1.83	4.07	5.25	3.74	1.71	
G12	1.71	0.0	0.0	0.0	1.71	4.4	5.54	3.91	1.71	
G13	1.67	0.0	0.0	0.0	1.71	4.64	5.86	4.11	1.67	
G14	1.63	0.0	0.0	0.0	1.79	4.84	6.19	4.31	1.63	
G15	1.63	0.0	0.0	0.0	1.79	5.05	6.47	4.48	1.63	
G16	1.63	0.0	0.0	0.0	1.79	5.29	6.92	4.72	1.63	
G17	1.63	0.0	0.0	0.0	1.79	5.41	7.29	4.88	1.63	
G18	1.59	0.0	0.0	0.0	1.75	5.78	7.69	5.09	1.59	
G19	1.55	0.0	0.0	0.0	1.75	6.02	8.1	5.29	1.55	
G20	1.63	0.0	0.0	0.0	1.75	6.27	8.67	5.5	1.63	
G21	1.51	0.0	0.0	0.0	1.71	6.55	9.0	5.7	1.51	
G22	1.51	0.0	0.0	0.0	1.71	6.8	9.48	5.94	1.51	
G23	1.47	0.0	0.0	0.0	1.71	7.08	10.01	6.15	1.47	
G24	1.59	0.0	0.0	0.0	1.67	7.33	10.38	6.35	1.59	
G25	1.42	0.0	0.0	0.0	1.75	7.57	10.83	6.63	1.42	
G26	1.38	0.0	0.0	0.0	1.63	7.86	11.19	6.84	1.38	
G27	1.38	0.0	0.0	0.0	1.75	8.1	11.6	6.96	1.38	
G28	1.34	0.0	0.0	0.0	1.63	8.3	11.97	7.2	1.34	
G29	1.34	0.0	0.0	0.0	1.59	8.55	12.46	7.41	1.34	
G30	1.3	0.0	0.0	0.0	1.59	8.79	12.7	7.69	1.3	
G31	1.26	0.0	0.0	0.0	1.55	9.04	12.98	7.9	1.26	
G32	1.42	0.0	0.0	0.0	1.55	9.2	13.27	8.26	1.42	
G33	1.22	0.0	0.0	0.0	1.51	9.32	13.47	8.47	1.22	
G34	1.18	0.0	0.0	0.0	1.51	9.4	13.47	8.43	1.18	
G35	1.14	0.0	0.0	0.0	1.47	9.4	13.27	8.71	1.14	
G36	1.14	0.0	0.0	0.0	1.47	9.36	12.82	8.67	1.14	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2023/5/11 16:46:47

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: 2023/5/11 16:46:47

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

Gamma/C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	1.1	0.0	0.0	0.0	1.42	9.32	12.09	8.71	1.1	
G38	1.06	0.0	0.0	0.0	1.42	8.91	10.99	8.67	1.06	
G39	1.14	0.0	0.0	0.0	1.38	8.47	9.73	8.55	1.14	
G40	0.98	0.0	0.0	0.0	1.34	8.06	8.43	8.3	0.98	
G41	0.98	0.0	0.0	0.0	1.42	7.37	6.96	7.94	0.98	
G42	0.94	0.0	0.0	0.0	1.3	6.43	6.02	7.53	0.94	
G43	0.9	0.0	0.0	0.0	1.26	5.62	5.17	6.96	0.9	
G44	0.85	0.0	0.0	0.0	1.22	4.88	4.56	6.31	0.85	
G45	0.81	0.0	0.0	0.0	1.18	4.19	3.95	5.41	0.81	
G46	0.77	0.0	0.0	0.0	1.14	3.62	3.66	4.88	0.77	
G47	0.73	0.0	0.0	0.0	1.1	3.17	3.22	4.23	0.73	
G48	0.65	0.0	0.0	0.0	1.02	2.77	2.97	3.7	0.65	
G49	0.61	0.0	0.0	0.0	0.94	2.48	2.77	3.22	0.61	
G50	0.57	0.0	0.0	0.0	0.85	2.28	2.65	2.85	0.57	
G51	0.53	0.0	0.0	0.0	0.77	2.12	2.48	2.52	0.53	
G52	0.49	0.0	0.0	0.0	0.69	1.99	2.4	2.28	0.49	
G53	0.45	0.0	0.0	0.0	0.61	1.91	2.36	2.08	0.45	
G54	0.41	0.0	0.0	0.0	0.53	1.87	2.48	1.91	0.41	
G55	0.33	0.0	0.0	0.0	0.45	1.79	2.36	1.75	0.33	
G56	0.28	0.0	0.0	0.0	0.41	1.71	2.4	1.67	0.28	
G57	0.24	0.0	0.0	0.0	0.37	1.63	2.48	1.59	0.24	
G58	0.16	0.0	0.0	0.0	0.28	1.59	2.52	1.55	0.16	
G59	0.16	0.0	0.0	0.0	0.26	1.55	2.61	1.47	0.16	
G60	0.12	0.0	0.0	0.0	0.24	1.51	2.69	1.51	0.12	
G61	0.08	0.0	0.0	0.0	0.2	1.42	2.77	1.34	0.08	
G62	0.04	0.0	0.0	0.0	0.2	1.42	2.85	1.3	0.04	
G63	0.04	0.0	0.0	0.0	0.18	1.42	2.93	1.42	0.04	
G64	0.0	0.0	0.0	0.0	0.16	1.34	2.97	1.22	0.0	
G65	0.0	0.0	0.0	0.0	0.12	1.42	2.89	1.34	0.0	
G66	0.0	0.0	0.0	0.0	0.12	1.42	2.44	1.3	0.0	
G67	0.0	0.0	0.0	0.0	0.0	1.42	1.75	1.14	0.0	
G68	0.0	0.0	0.0	0.0	0.0	1.38	1.06	1.22	0.0	
G69	0.0	0.0	0.0	0.0	0.0	1.34	0.45	1.02	0.0	
G70	0.0	0.0	0.0	0.0	0.0	1.34	0.08	0.81	0.0	
G71	0.0	0.0	0.0	0.0	0.0	1.26	0.04	0.77	0.0	
G72	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.57	0.0	
G73	0.0	0.0	0.0	0.0	0.0	0.85	0.0	0.57	0.0	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2023/5/11 16:46:47

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: 2023/5/11 16:46:47

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 2)

[illegible]

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2023/5/11 16:46:47

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity:

Test Distance: 6.38 m

Remarks: