

Report No.:

Test Time: 2022/8/27 9:14:18

LUMINAIRE PHOTOMETRIC TEST REPORT

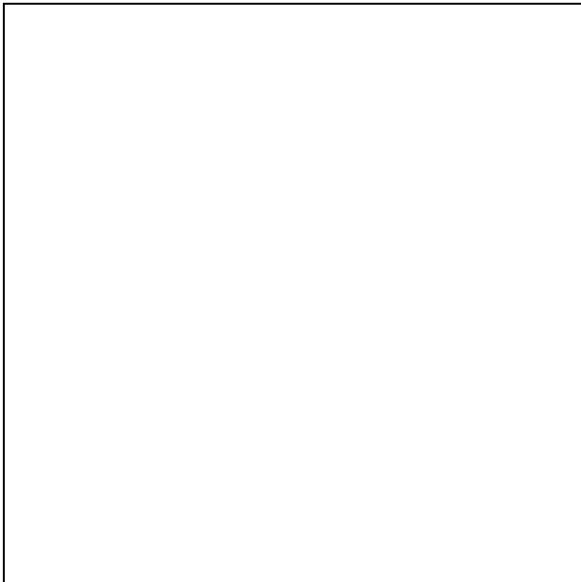
Luminaire Property

Manufacturer: 0	Voltage(V): 219.70 V
Luminaire Type: 6373	Current(A): 0.0560 A
Lamp Type:	Power(W): 6.46 W
Luminous Width: 0 mm	Power Factor: 0.5160
Luminous Length: 0 mm	Lamp Luminous Flux: 457.44
Luminous Height: 0 mm	

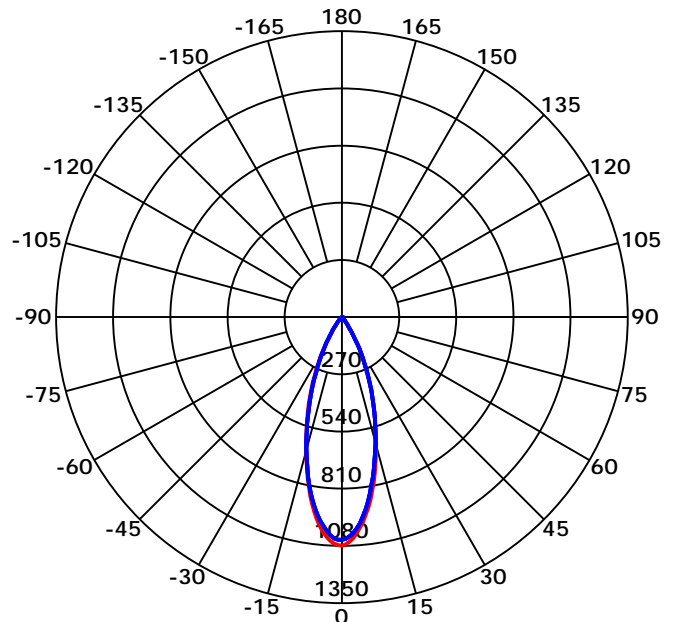
Photometric Results

CIE Class: Direct	Max. Intensity: 1080.35 cd
Luminaire Luminous Flux: 457.4404 lm	Max. Intensity Angle: C=180 Gamma=0
Downward Ratio: 100.00%	Upward Ratio: 0.00%
Luminaire Efficacy Rating(LER): 70.81 lm/W	Efficacy: 100.00%
Beam Angle(50%) C0-180,C90-270: 35.1,35.5	Center Intensity: 1080.35 cd
Field Angle(10%) C0-180,C90-270: 64.7,64.7	Effective Luminous Flux: 417.80 lm
S/MH C0-180,C90-270: 0.573,0.573	ERP(φ use)(120deg): 454.87 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 35.1 deg,35.5 deg

C0-180 ——— C90-270 ———

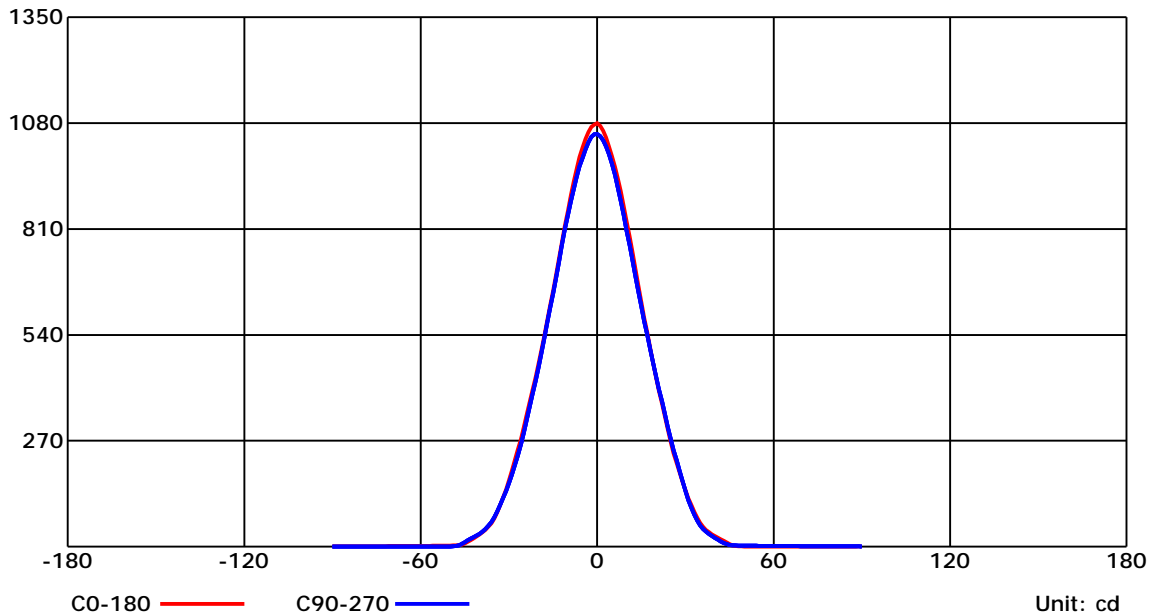
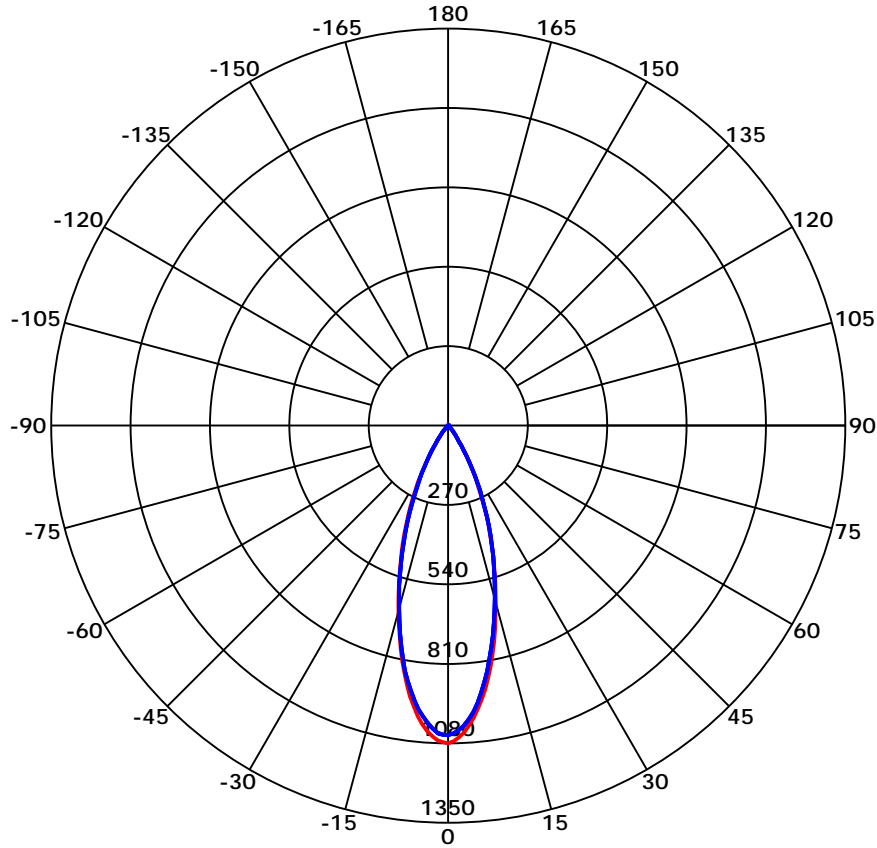
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.38
 Operators:
 Test Date: 2022/8/27 9:14:18

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1.17
 Test Distance: 6.38 m
 Remarks:

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Luminous Intensity Distribution Curve



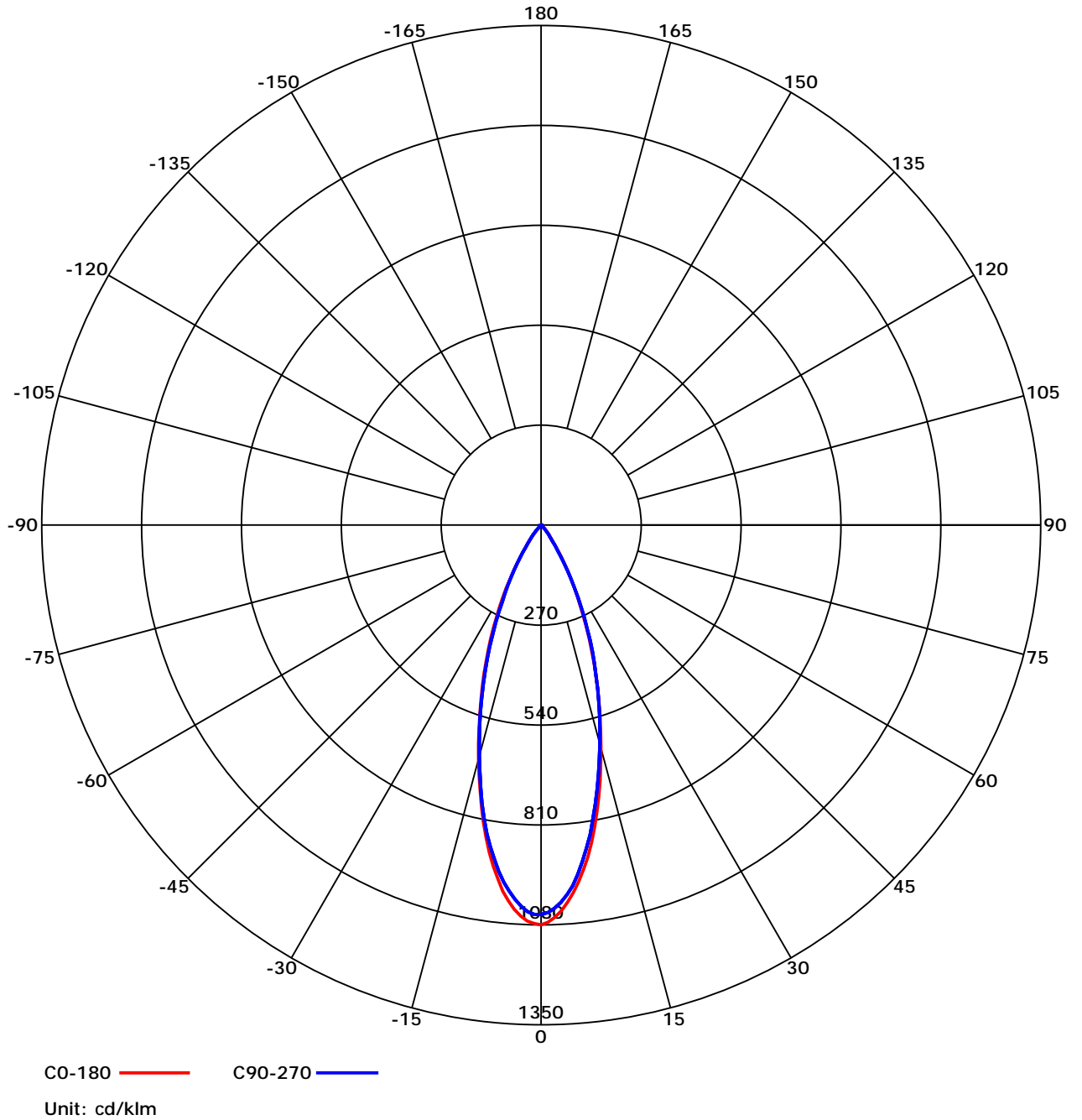
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Luminous Intensity Distribution Curve



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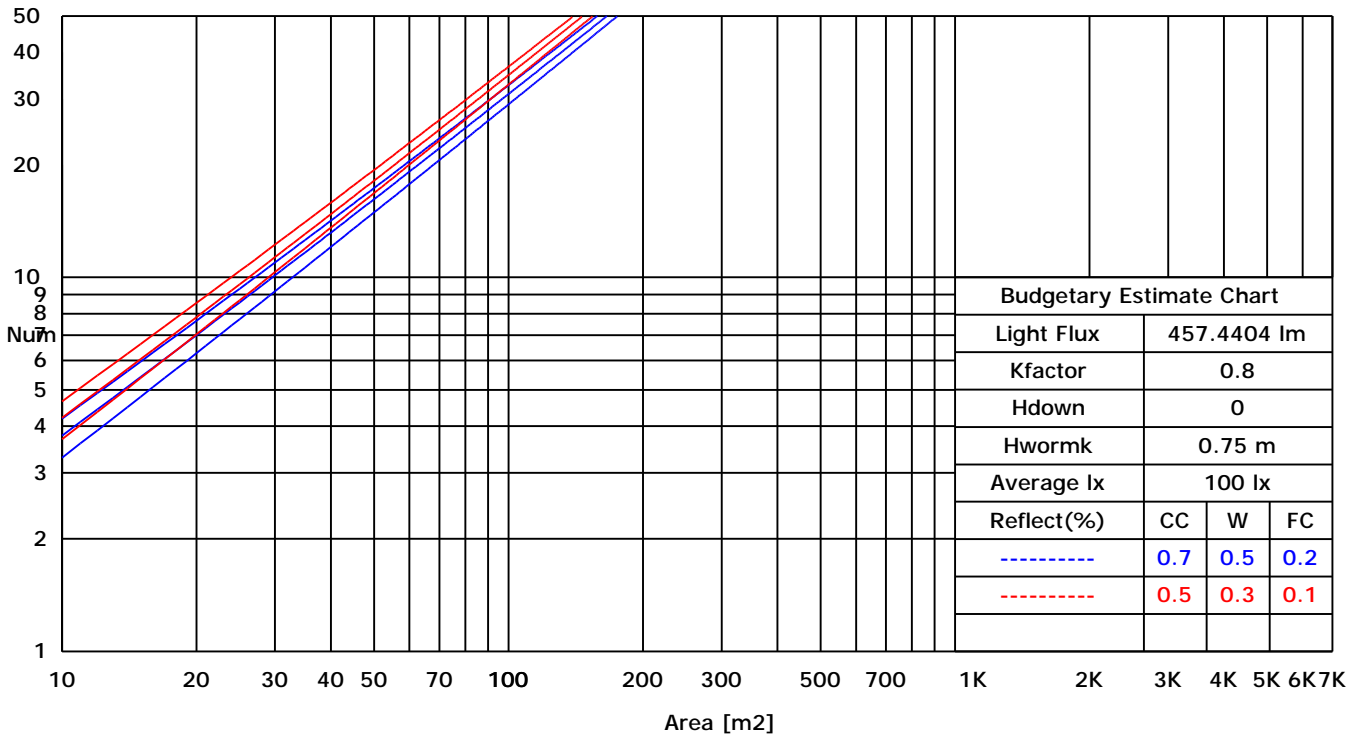
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UTILIZATION FACTORS TABLE

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	0.78	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	0.83	0.79	0.76	0.71
3	0.92	0.90	0.89	0.91	0.89	0.87	0.89	0.85	0.83	0.85	0.82	0.79	0.81	0.77	0.74	0.69
4	0.89	0.88	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	0.85	0.83	0.82	0.84	0.82	0.80	0.81	0.79	0.76	0.79	0.75	0.72	0.76	0.71	0.68	0.64
7	0.83	0.81	0.80	0.82	0.80	0.78	0.79	0.77	0.75	0.77	0.73	0.71	0.74	0.70	0.67	0.63
8	0.81	0.79	0.78	0.80	0.78	0.77	0.78	0.75	0.73	0.75	0.72	0.69	0.72	0.68	0.65	0.62
9	0.79	0.78	0.77	0.78	0.76	0.75	0.76	0.73	0.71	0.73	0.70	0.68	0.71	0.67	0.64	0.60
10	0.77	0.76	0.75	0.76	0.75	0.74	0.74	0.72	0.70	0.72	0.69	0.66	0.69	0.65	0.62	0.59

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



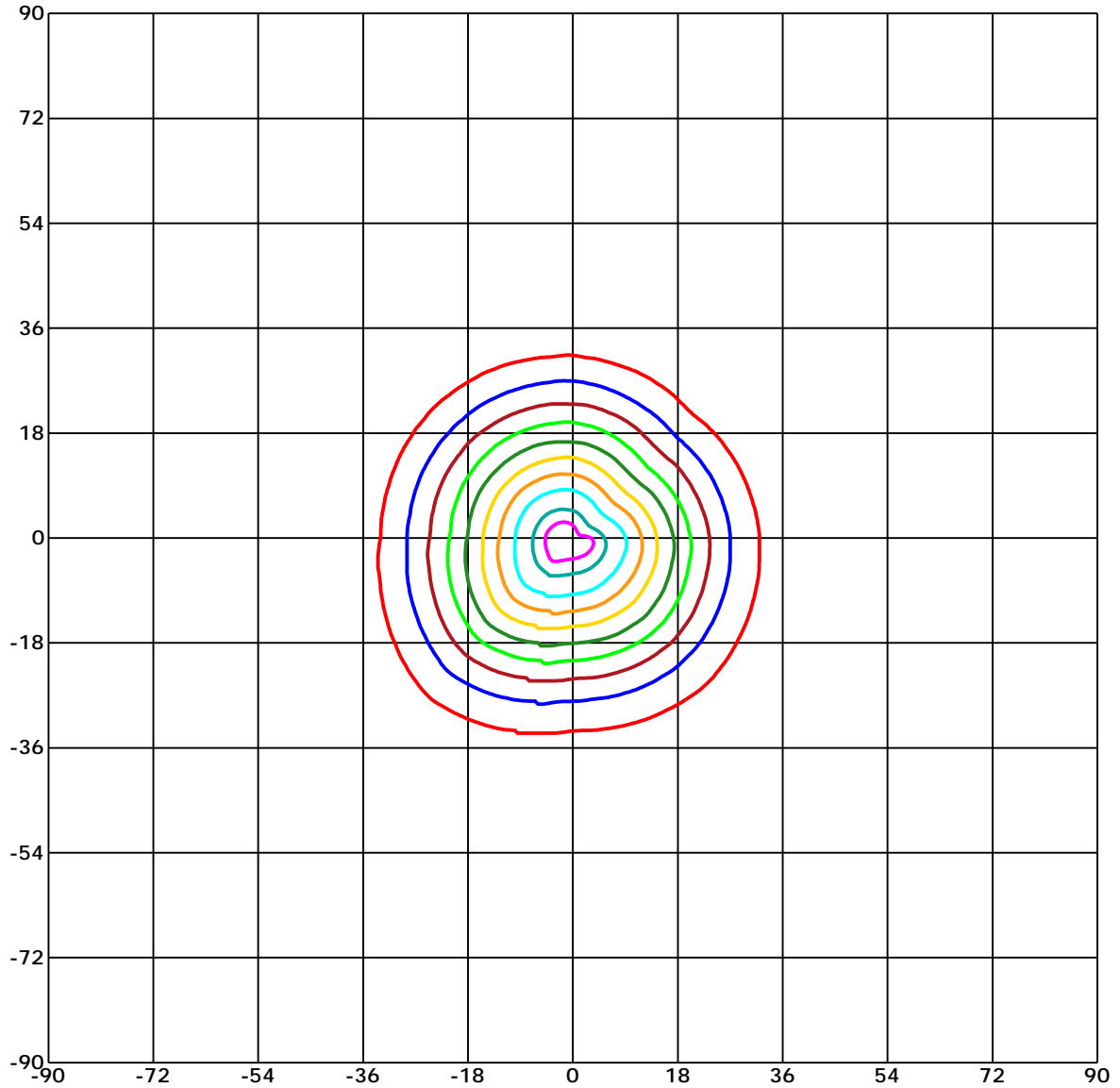
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 Temperature: 6.38
 Operators:
 Test Date: 2022/8/27 9:14:18

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1.17
 Test Distance: 6.38 m
 Remarks:

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ISOCANDELA DIAGRAM (RECTANGULAR)



Unit of intensity:cd I_{max}(100%): 1080.354 cd

- | | |
|----------------------------------|---------------------------------|
| — 1026.336(95%I _{max}) | — 540.177(50%I _{max}) |
| — 972.318(90%I _{max}) | — 432.142(40%I _{max}) |
| — 864.283(80%I _{max}) | — 324.106(30%I _{max}) |
| — 756.248(70%I _{max}) | — 216.071(20%I _{max}) |
| — 648.212(60%I _{max}) | — 108.035(10%I _{max}) |

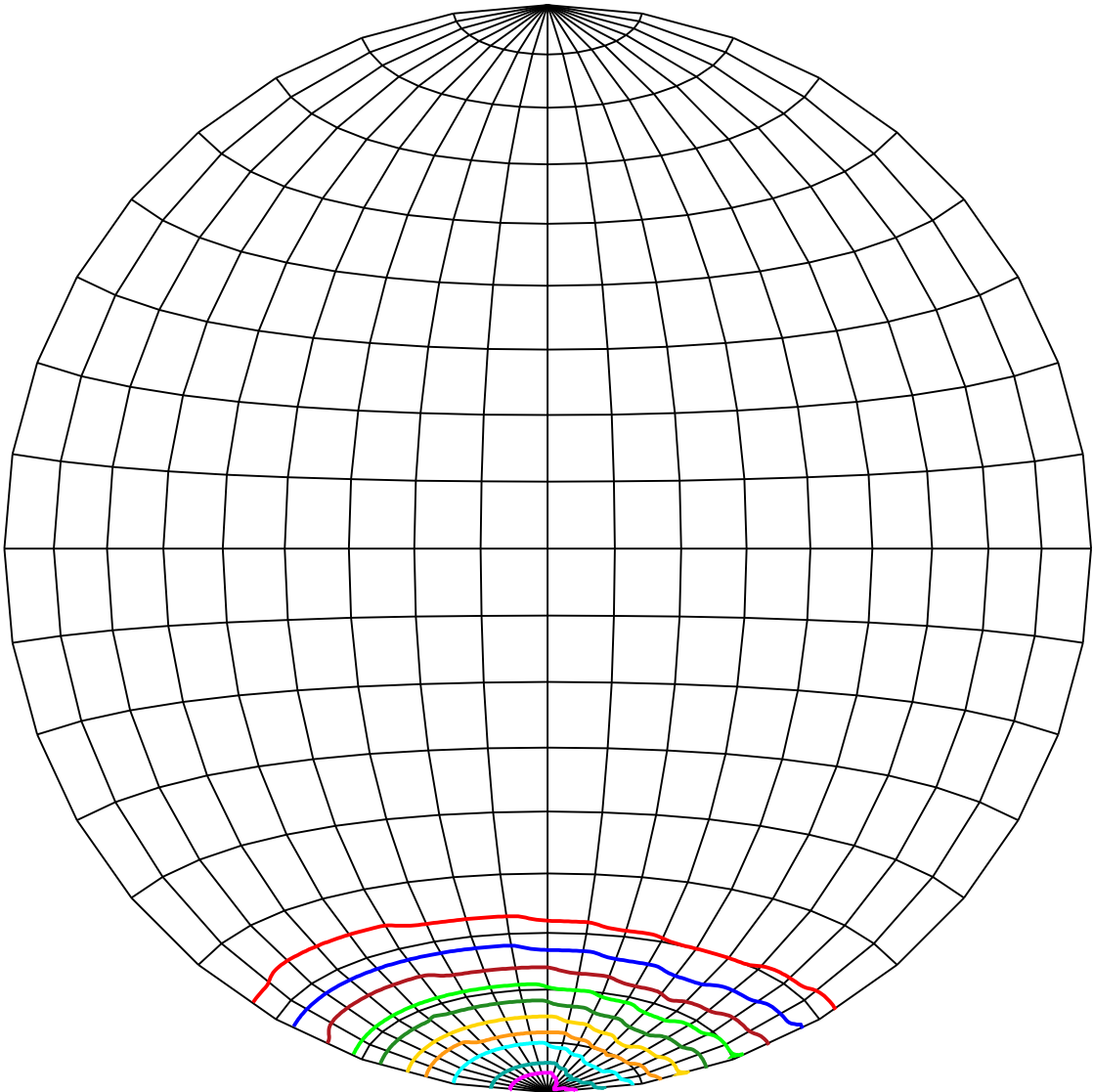
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 Temperature: 6.38
 Operators:
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G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1.17
 Test Distance: 6.38 m
 Remarks:

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ISOCANDELA DIAGRAM (SPHERE)



Unit of intensity:cd I_{max}(100%): 1080.354 cd

- | | |
|----------------------------------|---------------------------------|
| — 1026.336(95%I _{max}) | — 540.177(50%I _{max}) |
| — 972.318(90%I _{max}) | — 432.142(40%I _{max}) |
| — 864.283(80%I _{max}) | — 324.106(30%I _{max}) |
| — 756.248(70%I _{max}) | — 216.071(20%I _{max}) |
| — 648.212(60%I _{max}) | — 108.035(10%I _{max}) |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.38

Operators:

Test Date: 2022/8/27 9:14:18

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity: 1.17

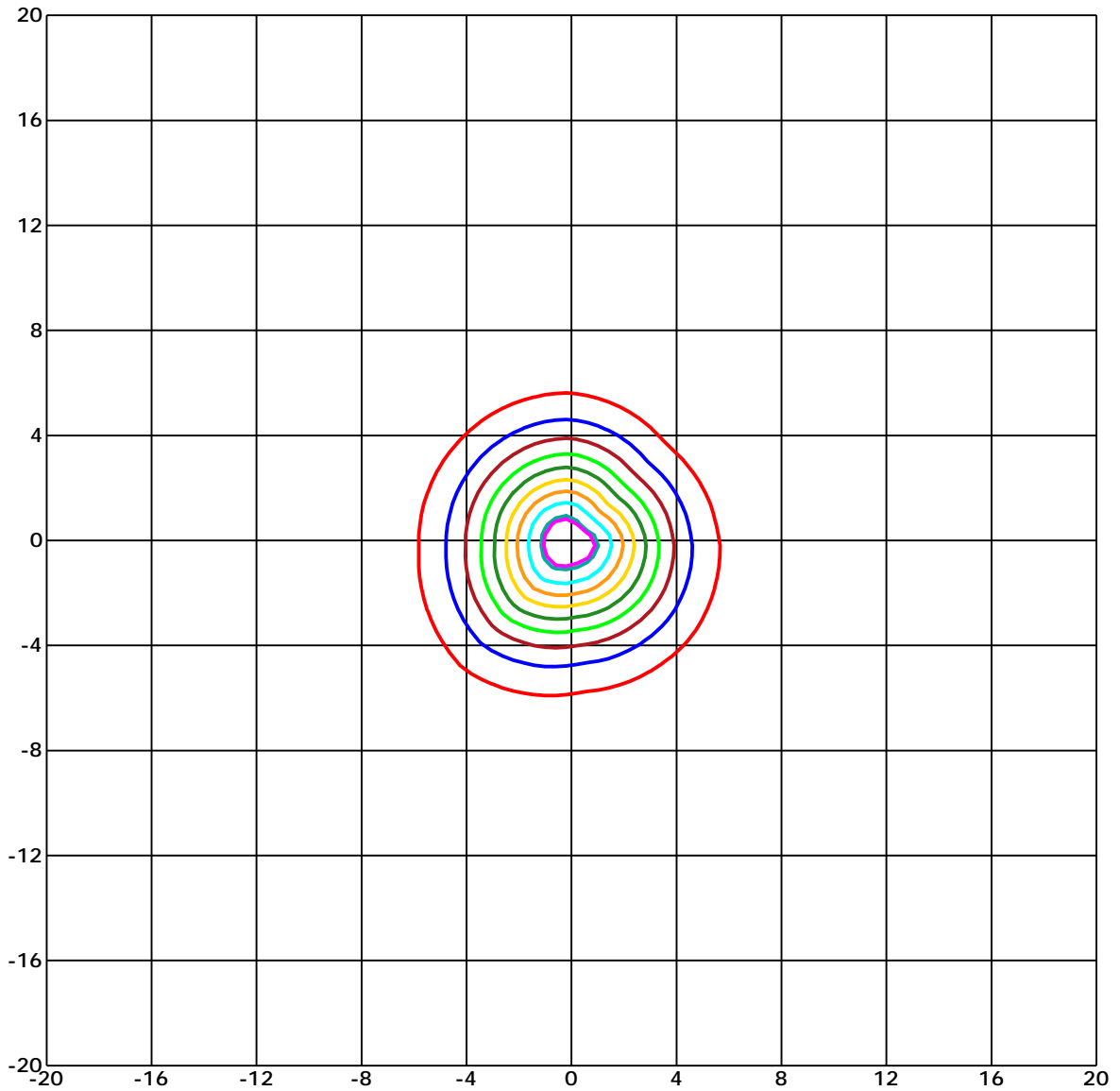
Test Distance: 6.38 m

Remarks:

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ISOLX DIAGRAM



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

- | | |
|-----------------|-----------------|
| — 9.939(1%Emax) | — 5.402(1%Emax) |
| — 9.723(1%Emax) | — 4.321(0%Emax) |
| — 8.643(1%Emax) | — 3.241(0%Emax) |
| — 7.562(1%Emax) | — 2.161(0%Emax) |
| — 6.482(1%Emax) | — 1.08(0%Emax) |

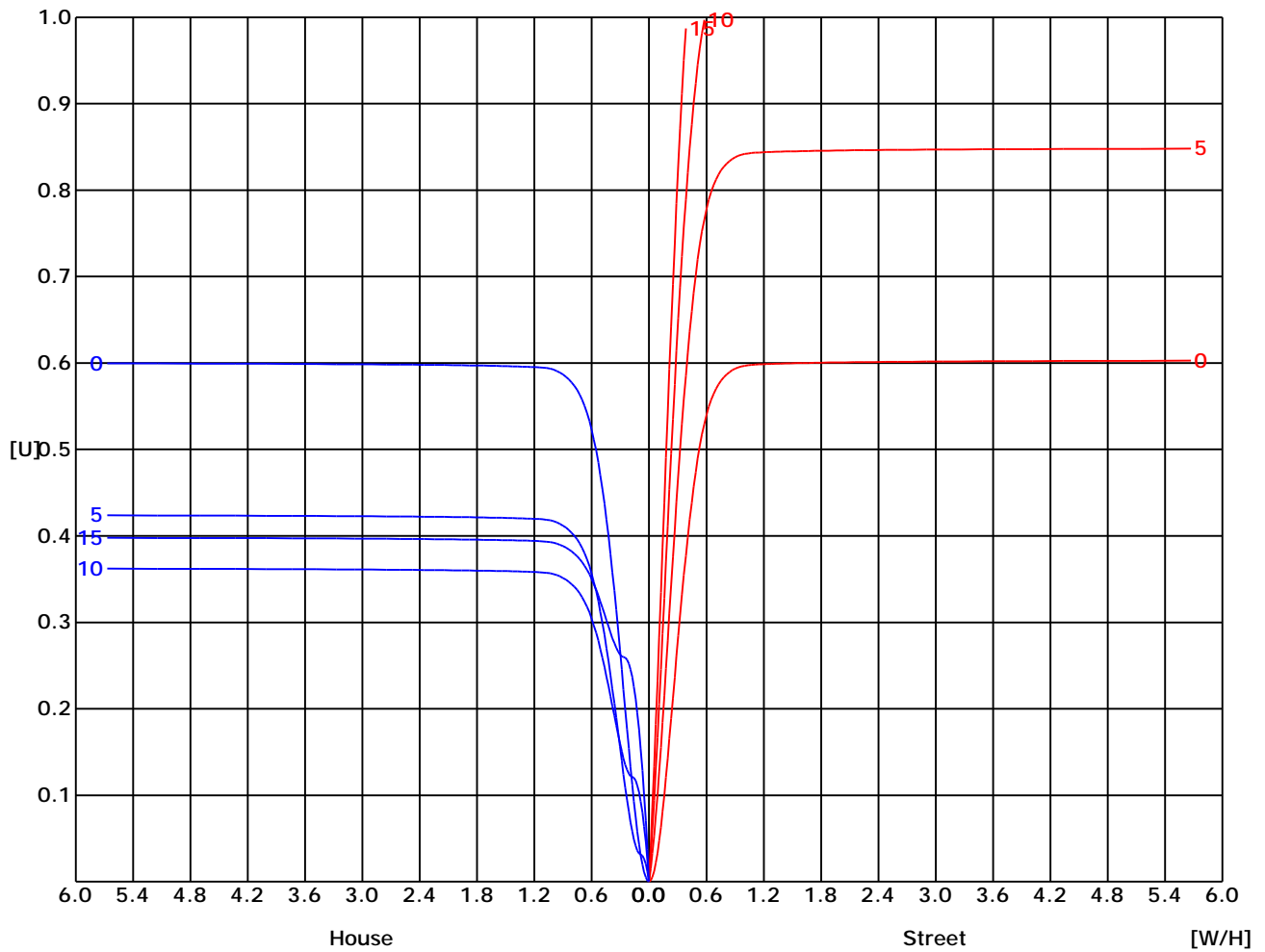
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G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1.17
 Test Distance: 6.38 m
 Remarks:

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UTILIZATION FACTOR DIAGRAM (ROAD)



C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.38
 Operators:
 Test Date: 2022/8/27 9:14:18

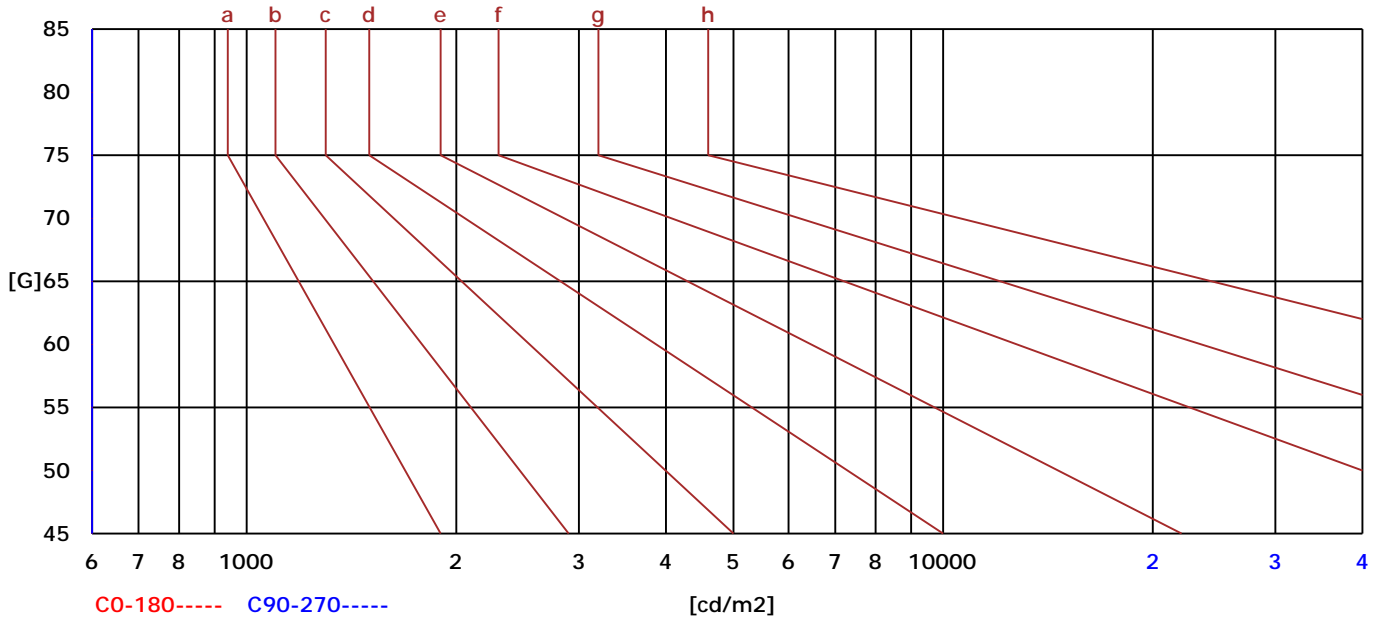
G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
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BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	17	6	6	5	6	10	14	24	68
C90	101	11	6	10	11	14	18	21	55
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



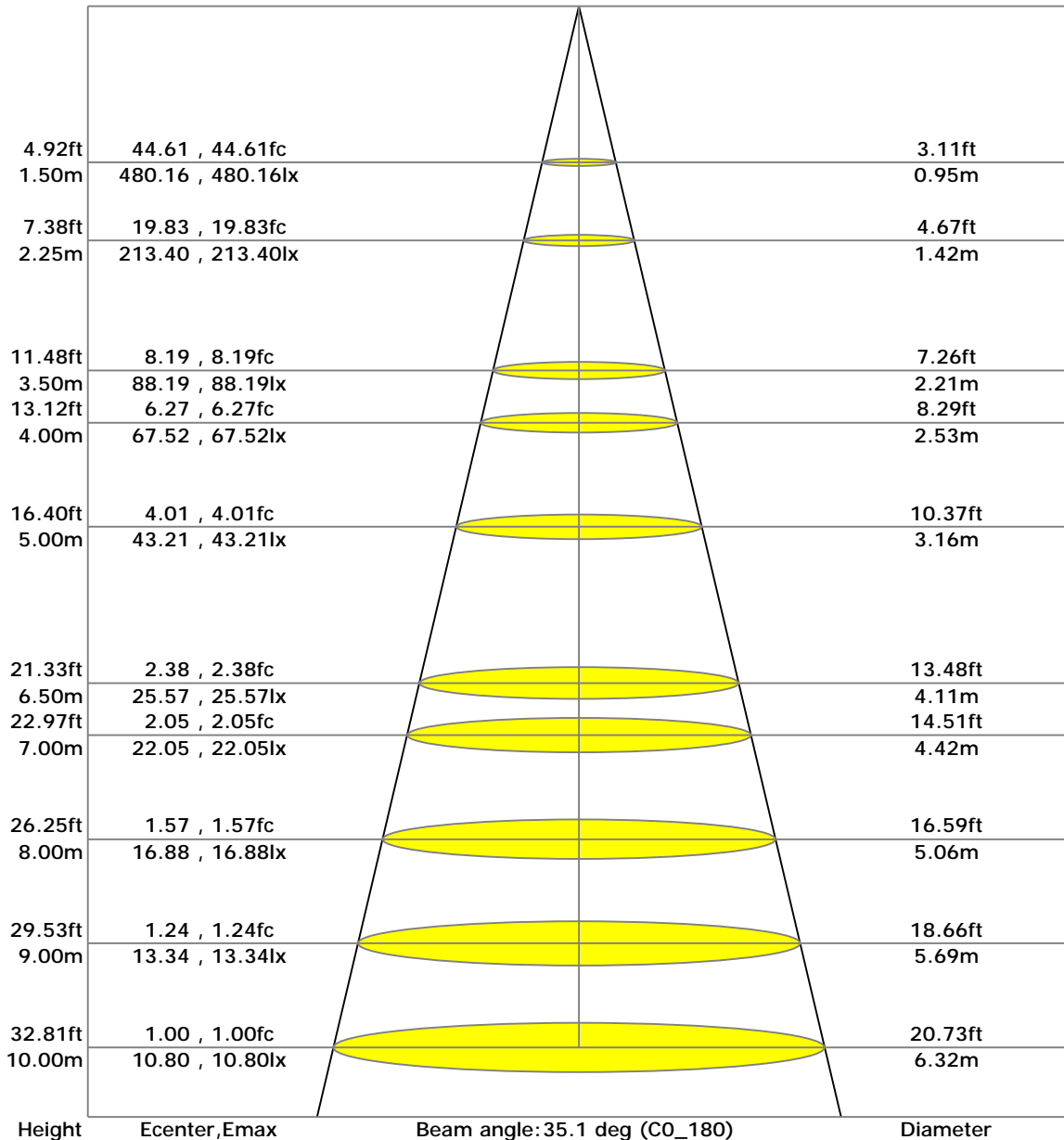
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G Range: 0 - 90 Deg
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LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg
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G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
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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	3.51	3.56	3.71	3.75	3.99	3.48	3.53	3.68	3.72	3.96
3H	3.49	3.54	3.69	3.73	3.98	3.46	3.51	3.67	3.70	3.95
4H	3.48	3.53	3.69	3.72	3.97	3.45	3.50	3.66	3.69	3.94
6H	3.46	3.51	3.68	3.72	3.97	3.43	3.48	3.65	3.68	3.94
8H	3.45	3.51	3.67	3.71	3.96	3.42	3.48	3.64	3.68	3.93
12H	3.44	3.50	3.67	3.70	3.96	3.41	3.47	3.64	3.67	3.93
4H 2H	3.49	3.55	3.70	3.74	3.99	3.59	3.65	3.81	3.84	4.09
3H	3.47	3.52	3.69	3.73	3.98	3.57	3.62	3.79	3.83	4.08
4H	3.45	3.50	3.68	3.72	3.97	3.55	3.60	3.78	3.82	4.08
6H	3.44	3.49	3.67	3.71	3.97	3.53	3.58	3.77	3.80	4.07
8H	3.43	3.48	3.67	3.70	3.97	3.52	3.57	3.76	3.80	4.06
12H	3.42	3.47	3.67	3.70	3.97	3.51	3.56	3.76	3.79	4.06
8H 4H	3.54	3.59	3.76	3.80	4.05	3.83	3.88	4.04	4.08	4.33
6H	3.50	3.55	3.76	3.79	4.06	3.83	3.88	4.09	4.12	4.39
8H	3.50	3.54	3.76	3.79	4.07	3.82	3.87	4.09	4.12	4.39
12H	3.50	3.54	3.77	3.79	4.08	3.81	3.86	4.08	4.11	4.39
12H 4H	3.61	3.66	3.86	3.89	4.16	4.09	4.15	4.34	4.38	4.65
6H	3.62	3.66	3.88	3.91	4.18	4.12	4.17	4.38	4.41	4.69

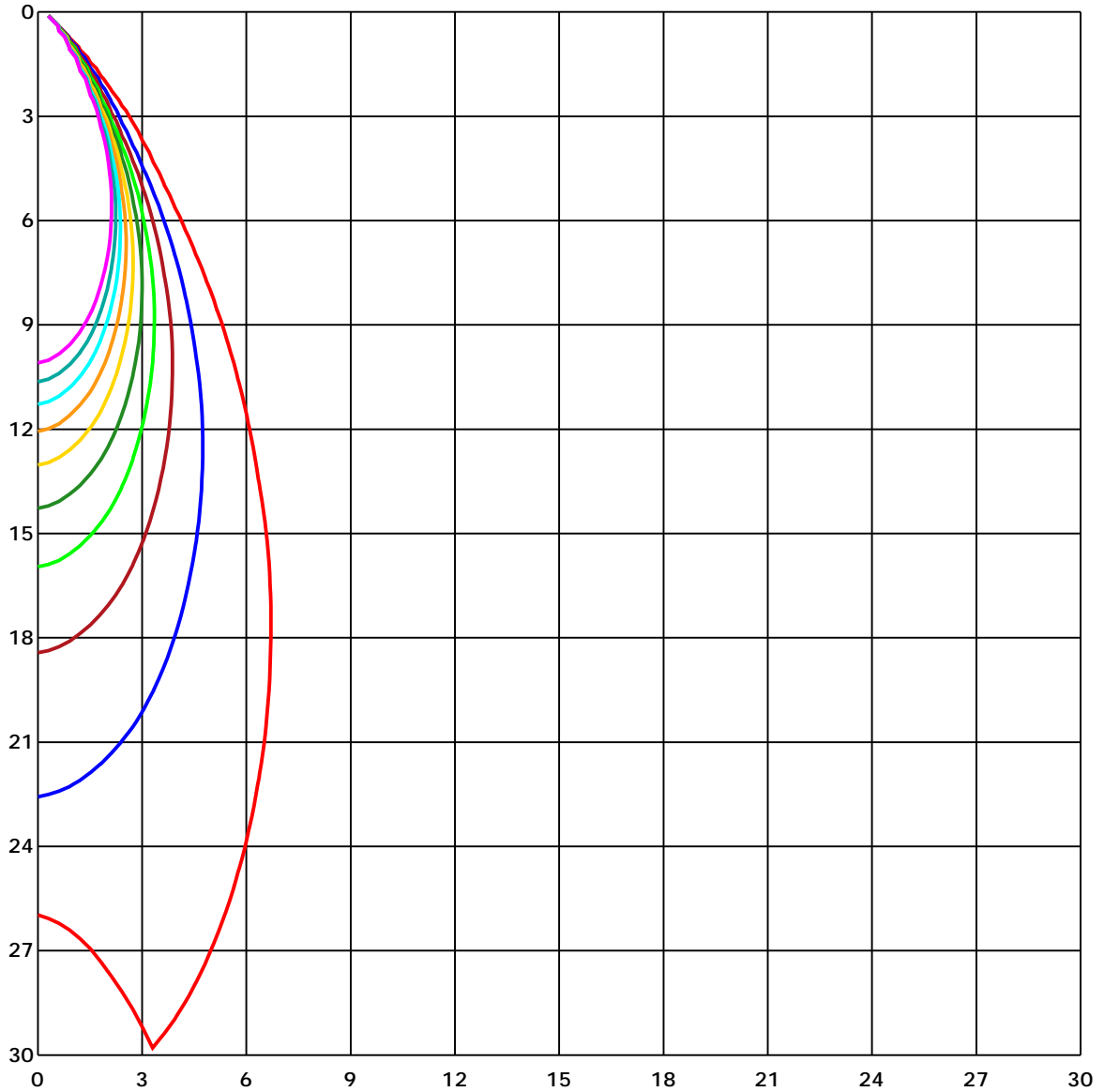
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SPACE ISOLX DIAGRAM



Unit of illumination: lx

- | | |
|----------|---------|
| — 10.604 | — 5.302 |
| — 9.543 | — 4.242 |
| — 8.483 | — 3.181 |
| — 7.423 | — 2.121 |
| — 6.362 | — 1.06 |

C Range: 0 - 360 Deg
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LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma/C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	1080.35	1030.3	1052.35	1068.59	1080.35	1030.3	1052.35	1068.59	1080.35	
G1	1073.02	1012.87	1047.16	1066.11	1076.69	1040.73	1051.83	1067.26	1073.02	
G2	1060.97	993.2	1035.97	1060.73	1070.54	1048.02	1045.54	1055.54	1060.97	
G3	1043.59	970.91	1020.78	1045.64	1057.64	1045.87	1031.49	1039.73	1043.59	
G4	1020.87	941.24	1000.82	1027.59	1040.4	1038.45	1013.59	1018.2	1020.87	
G5	997.06	907.91	977.72	1006.06	1018.92	1028.11	992.39	994.11	997.06	
G6	968.53	873.9	948.43	980.77	994.06	1010.01	969.91	967.87	968.53	
G7	938.1	835.99	915.05	947.58	963.01	991.39	942.05	938.34	938.1	
G8	906.14	795.89	881.33	914.38	930.86	964.67	911.57	904.48	906.14	
G9	869.14	755.51	845.8	877.38	895.52	936.72	880.0	869.14	869.14	
G10	830.47	714.31	805.99	838.28	856.85	912.57	846.42	832.95	830.47	
G11	790.04	674.12	767.7	799.23	817.66	880.48	808.56	794.7	790.04	
G12	749.51	633.83	728.51	758.46	776.13	847.81	769.27	756.51	749.51	
G13	706.98	595.16	688.5	717.74	734.75	811.42	726.27	718.51	706.98	
G14	665.83	557.11	650.4	676.5	694.17	775.7	686.45	679.93	665.83	
G15	624.54	520.15	613.02	636.5	653.88	739.51	646.88	643.93	624.54	
G16	584.3	483.43	575.35	597.11	614.11	704.88	608.02	610.02	584.3	
G17	545.58	448.29	538.82	559.39	575.44	670.88	569.92	575.87	545.58	
G18	506.48	414.85	503.24	522.48	537.72	635.12	531.2	540.68	506.48	
G19	469.0	382.37	468.86	486.48	501.15	597.44	493.77	502.72	469.0	
G20	432.19	351.04	435.05	451.67	466.19	559.35	456.43	466.38	432.19	
G21	397.8	319.56	402.23	417.71	431.9	522.01	421.95	431.24	397.8	
G22	364.04	288.65	370.8	385.14	399.0	485.81	387.8	397.19	364.04	
G23	332.04	256.93	338.61	353.61	367.47	450.57	355.32	364.42	332.04	
G24	299.03	229.36	305.08	322.08	336.75	417.04	322.7	332.89	299.03	
G25	266.98	203.83	274.98	290.36	305.08	384.61	290.46	300.27	266.98	
G26	237.88	178.4	245.93	259.22	273.84	353.51	260.5	269.08	237.88	
G27	212.83	155.83	220.12	233.41	246.41	322.99	231.5	239.84	212.83	
G28	189.07	132.92	193.21	206.26	220.31	292.41	207.31	215.74	189.07	
G29	165.45	111.73	167.59	181.02	194.59	263.22	184.16	193.16	165.45	
G30	144.59	92.06	142.49	156.25	169.73	236.98	162.97	171.64	144.59	
G31	123.78	75.72	118.63	133.06	146.68	213.5	142.68	150.73	123.78	
G32	105.87	62.29	97.87	110.73	125.11	190.02	123.63	131.16	105.87	
G33	88.63	51.05	80.68	90.63	105.49	167.88	106.11	113.16	88.63	
G34	74.01	42.86	66.25	73.58	87.25	146.97	89.72	96.68	74.01	
G35	60.77	35.77	54.34	59.58	72.44	127.39	75.53	82.15	60.77	
G36	50.96	30.05	45.43	48.53	59.86	109.35	63.39	69.91	50.96	

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 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1.17
 Test Distance: 6.38 m
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LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

GammaC	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	42.91	25.05	38.24	40.0	50.43	92.68	53.05	59.29	42.91	
G38	36.72	20.48	32.19	33.34	43.0	78.1	45.0	51.15	36.72	
G39	31.57	16.1	27.05	27.62	36.86	65.53	38.19	44.1	31.57	
G40	27.24	11.81	22.24	22.72	31.34	55.15	32.81	38.15	27.24	
G41	23.19	7.62	17.81	18.29	26.34	46.96	28.53	32.86	23.19	
G42	19.14	4.24	13.38	13.91	21.62	40.34	24.81	27.96	19.14	
G43	15.05	1.86	9.48	9.57	16.95	34.67	20.62	23.1	15.05	
G44	10.67	0.67	6.57	5.71	12.33	29.24	16.57	18.05	10.67	
G45	6.67	0.48	4.62	2.86	8.38	24.15	12.05	12.76	6.67	
G46	3.48	0.38	3.76	1.14	5.52	19.24	7.52	8.43	3.48	
G47	1.52	0.24	3.29	0.67	4.05	14.33	3.76	5.52	1.52	
G48	0.81	0.19	2.95	0.38	3.57	10.05	1.48	3.91	0.81	
G49	0.69	0.19	2.95	0.29	3.48	6.48	0.71	3.38	0.69	
G50	0.57	0.14	2.86	0.29	3.05	4.33	0.52	3.14	0.57	
G51	0.48	0.14	2.67	0.24	2.81	3.52	0.48	2.91	0.48	
G52	0.24	0.14	2.52	0.19	2.86	3.24	0.48	2.71	0.24	
G53	0.24	0.14	2.38	0.14	2.52	3.0	0.24	2.57	0.24	
G54	0.24	0.14	2.29	0.14	2.48	2.81	0.19	2.62	0.24	
G55	0.21	0.14	1.9	0.14	2.38	2.71	0.14	2.33	0.21	
G56	0.19	0.14	2.1	0.14	2.29	2.67	0.14	2.29	0.19	
G57	0.43	0.1	2.05	0.14	2.19	2.43	0.14	2.19	0.43	
G58	0.43	0.1	2.0	0.14	2.05	2.29	0.14	2.1	0.43	
G59	0.43	0.1	1.9	0.14	2.0	2.19	0.14	2.0	0.43	
G60	0.43	0.1	1.81	0.19	1.95	2.1	0.14	1.95	0.43	
G61	0.43	0.1	1.81	0.19	1.9	2.05	0.14	1.86	0.43	
G62	0.43	0.1	1.71	0.19	1.86	2.0	0.14	1.86	0.43	
G63	0.43	0.1	1.67	0.0	1.81	1.9	0.12	1.81	0.43	
G64	0.43	0.1	1.62	0.0	1.71	1.9	0.1	1.76	0.43	
G65	0.43	0.1	1.52	0.19	1.71	1.86	0.19	1.71	0.43	
G66	0.43	0.1	1.48	0.19	1.67	1.76	0.19	1.67	0.43	
G67	0.43	0.1	1.48	0.21	1.62	1.71	0.21	1.67	0.43	
G68	0.48	0.1	1.48	0.24	1.57	1.67	0.24	1.62	0.48	
G69	0.48	0.12	1.38	0.19	1.57	1.62	0.24	1.57	0.48	
G70	0.48	0.14	1.33	0.19	1.52	1.62	0.24	1.57	0.48	
G71	0.48	0.14	1.29	0.19	1.48	1.57	0.24	1.52	0.48	
G72	0.48	0.14	1.24	0.19	1.43	1.52	0.24	1.48	0.48	
G73	0.48	0.14	1.24	0.19	1.43	1.48	0.24	1.43	0.48	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.38

Operators:

Test Date: 2022/8/27 9:14:18

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity: 1.17

Test Distance: 6.38 m

Remarks:

