

Report No.:

Test Time: 2021/9/1 14:22:05

LUMINAIRE PHOTOMETRIC TEST REPORT

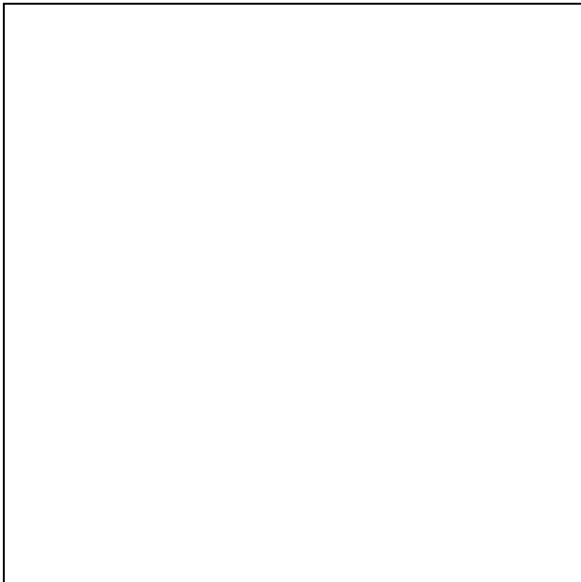
Luminaire Property

Manufacturer: 0	Voltage(V): 220.00 V
Luminaire Type: 投光灯100W	Current(A): 0.4470 A
Lamp Type:	Power(W): 96.65 W
Luminous Width: 0 mm	Power Factor: 0.9810
Luminous Length: 0 mm	Lamp Luminous Flux: 11088.87
Luminous Height: 0 mm	

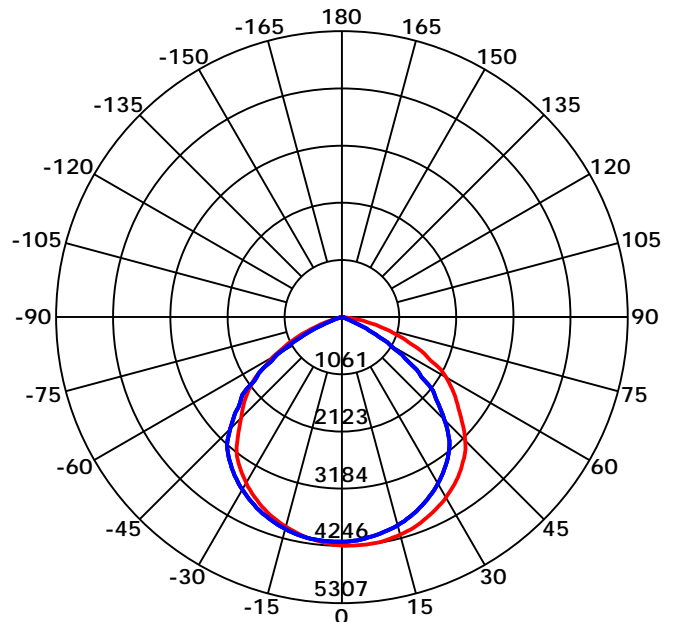
Photometric Results

CIE Class: Direct	Max. Intensity: 4245.74 cd
Luminaire Luminous Flux: 11088.87 lm	Max. Intensity Angle: C=0 Gamma=4
Downward Ratio: 100.00%	Upward Ratio: 0.00%
Luminaire Efficacy Rating(LER): 114.73 lm/W	Efficacy: 100.00%
Beam Angle(50%) C0-180,C90-270: 114.4,105.3	Center Intensity: 4237.93 cd
Field Angle(10%) C0-180,C90-270: 150.7,133.4	Effective Luminous Flux: 10880.11 lm
S/MH C0-180,C90-270: 1.299,1.250	ERP(φuse)(120deg): 9581.58 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 114.4 deg,105.3 deg

C0-180 ——— C90-270 ———

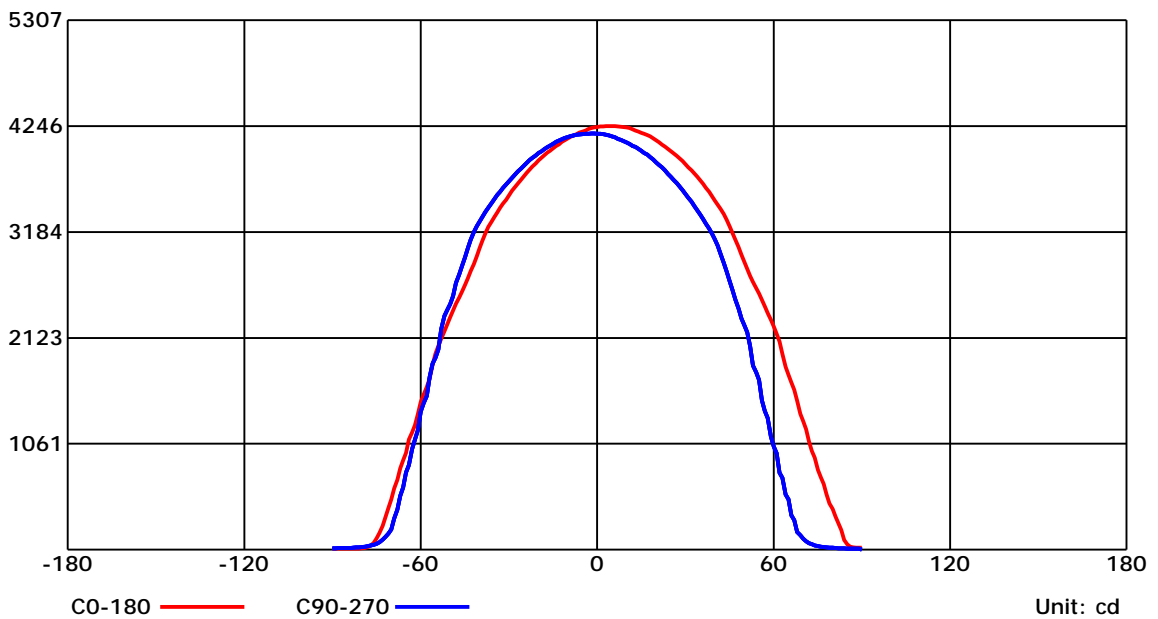
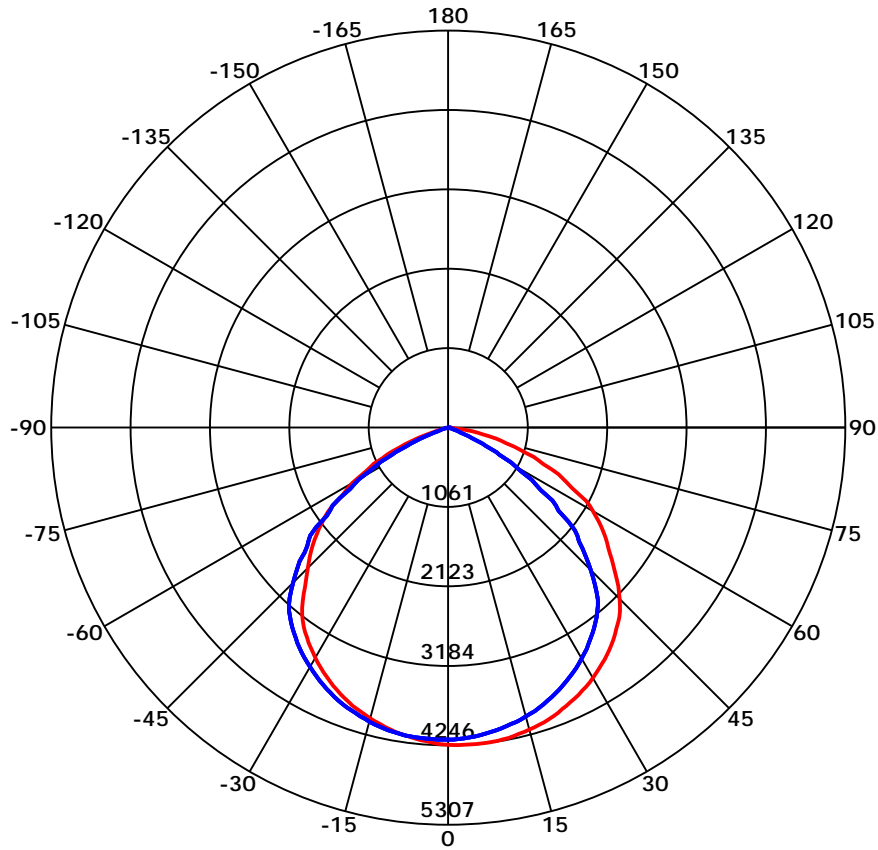
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.22
 Operators:
 Test Date: 2021/9/1 14:22:05

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.22 m
 Remarks:

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Luminous Intensity Distribution Curve



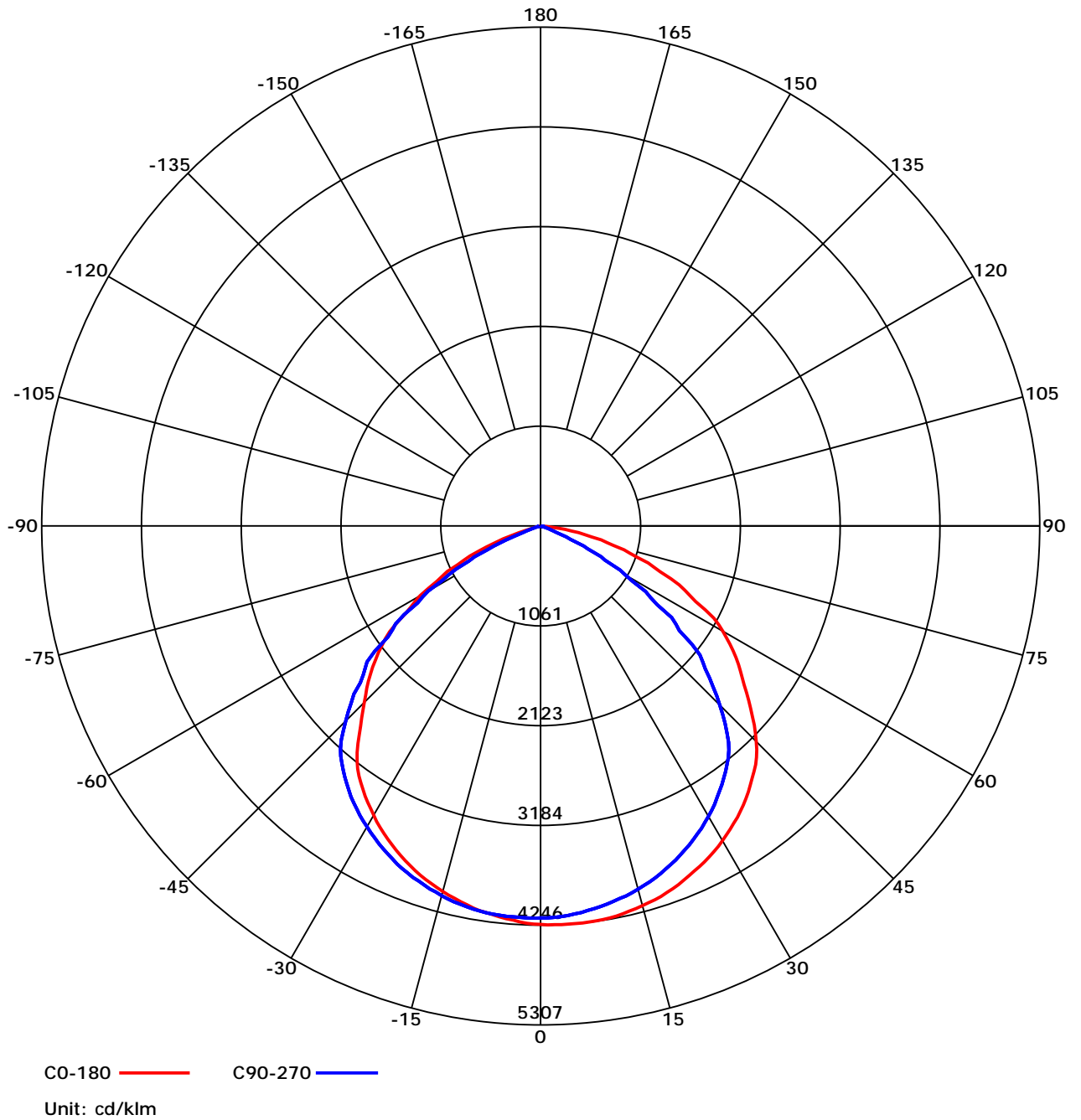
C Range: 0 - 360 Deg
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 Test Date: 2021/9/1 14:22:05

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.22 m
 Remarks:

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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: 2021/9/1 14:22:05

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.22 m
 Remarks:

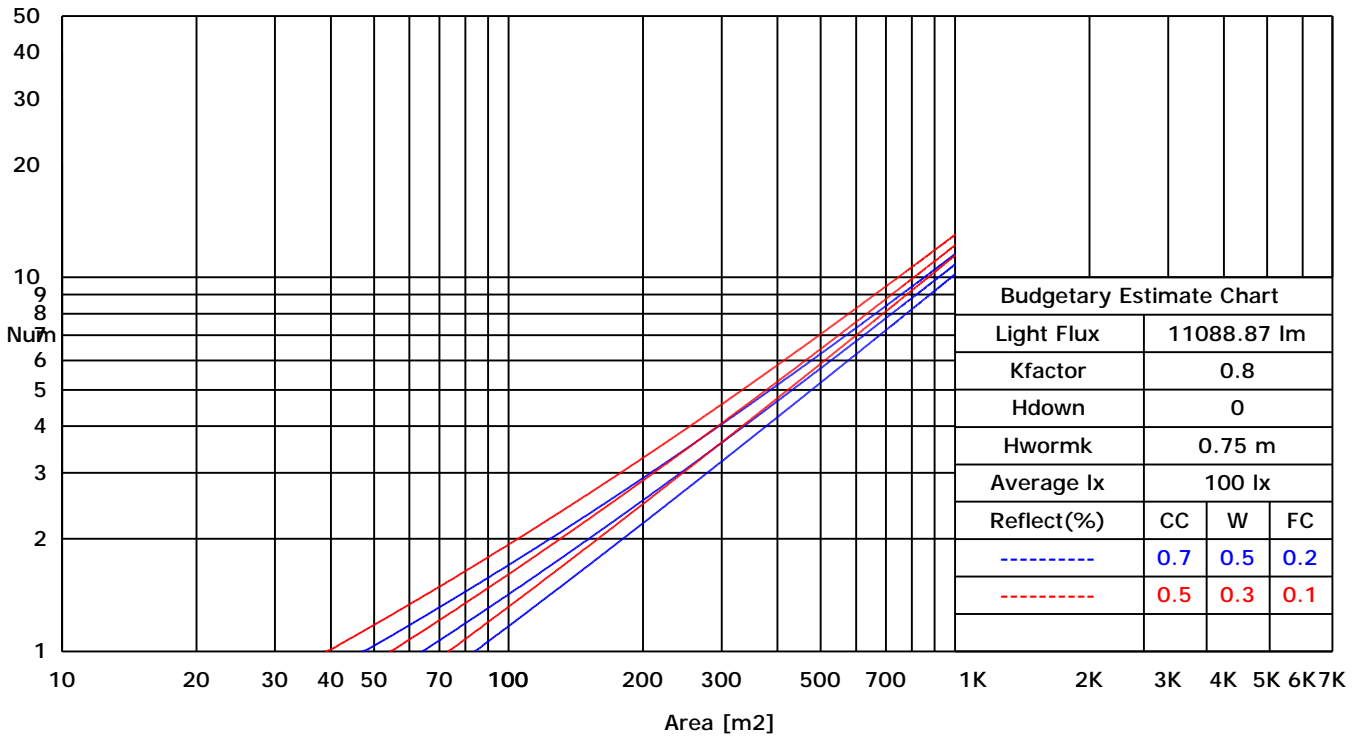
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UTILIZATION FACTORS TABLE

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	1.08	1.07	1.06	1.07	1.05	1.04	1.03	1.01	0.99	0.98	0.96	0.94	0.91	0.89	0.87	0.82
2	0.98	0.96	0.94	0.97	0.94	0.92	0.94	0.91	0.89	0.90	0.87	0.84	0.84	0.81	0.78	0.74
3	0.88	0.86	0.84	0.87	0.85	0.83	0.85	0.82	0.79	0.82	0.78	0.75	0.78	0.74	0.70	0.66
4	0.80	0.78	0.76	0.79	0.76	0.74	0.78	0.74	0.71	0.75	0.71	0.68	0.72	0.68	0.64	0.59
5	0.73	0.70	0.69	0.72	0.69	0.67	0.71	0.67	0.64	0.70	0.65	0.61	0.67	0.62	0.58	0.54
6	0.66	0.64	0.63	0.66	0.63	0.61	0.66	0.62	0.59	0.64	0.59	0.56	0.62	0.57	0.53	0.49
7	0.61	0.59	0.57	0.61	0.58	0.56	0.61	0.57	0.54	0.60	0.55	0.51	0.58	0.53	0.48	0.45
8	0.56	0.54	0.53	0.56	0.54	0.52	0.56	0.52	0.50	0.56	0.51	0.47	0.55	0.49	0.45	0.41
9	0.52	0.50	0.49	0.52	0.50	0.48	0.53	0.49	0.46	0.52	0.47	0.44	0.51	0.46	0.41	0.38
10	0.49	0.47	0.46	0.49	0.46	0.45	0.49	0.45	0.43	0.49	0.44	0.41	0.48	0.43	0.39	0.36

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



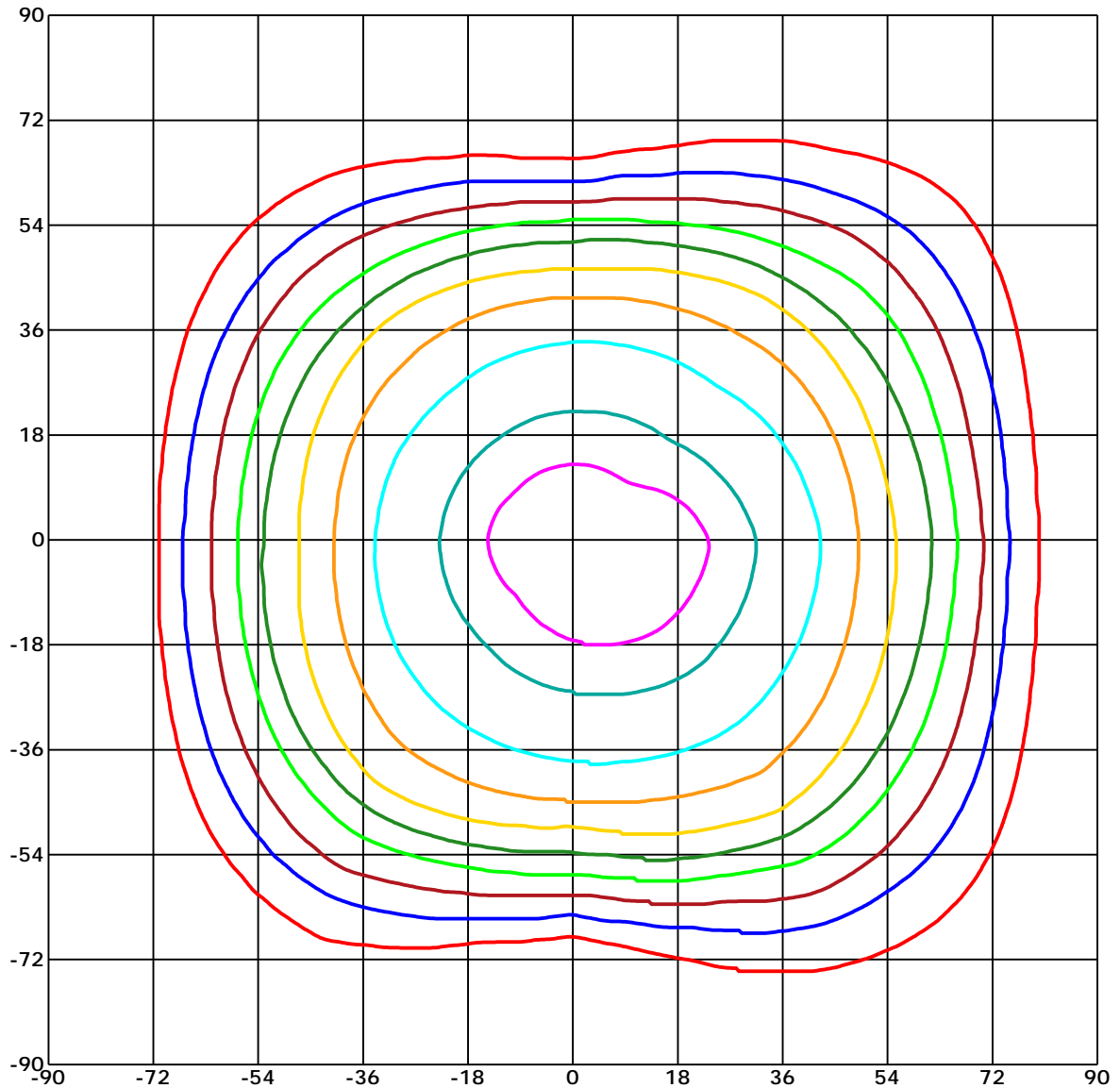
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.22
 Operators:
 Test Date: 2021/9/1 14:22:05

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.22 m
 Remarks:

Report No.:

Test Time: 2021/9/1 14:22:05

ISOCANDELA DIAGRAM (RECTANGULAR)



Unit of intensity:cd I_{max}(100%): 4245.742 cd

- | | |
|----------------------------------|----------------------------------|
| — 4033.455(95%I _{max}) | — 2122.871(50%I _{max}) |
| — 3821.168(90%I _{max}) | — 1698.297(40%I _{max}) |
| — 3396.594(80%I _{max}) | — 1273.723(30%I _{max}) |
| — 2972.02(70%I _{max}) | — 849.148(20%I _{max}) |
| — 2547.445(60%I _{max}) | — 424.574(10%I _{max}) |

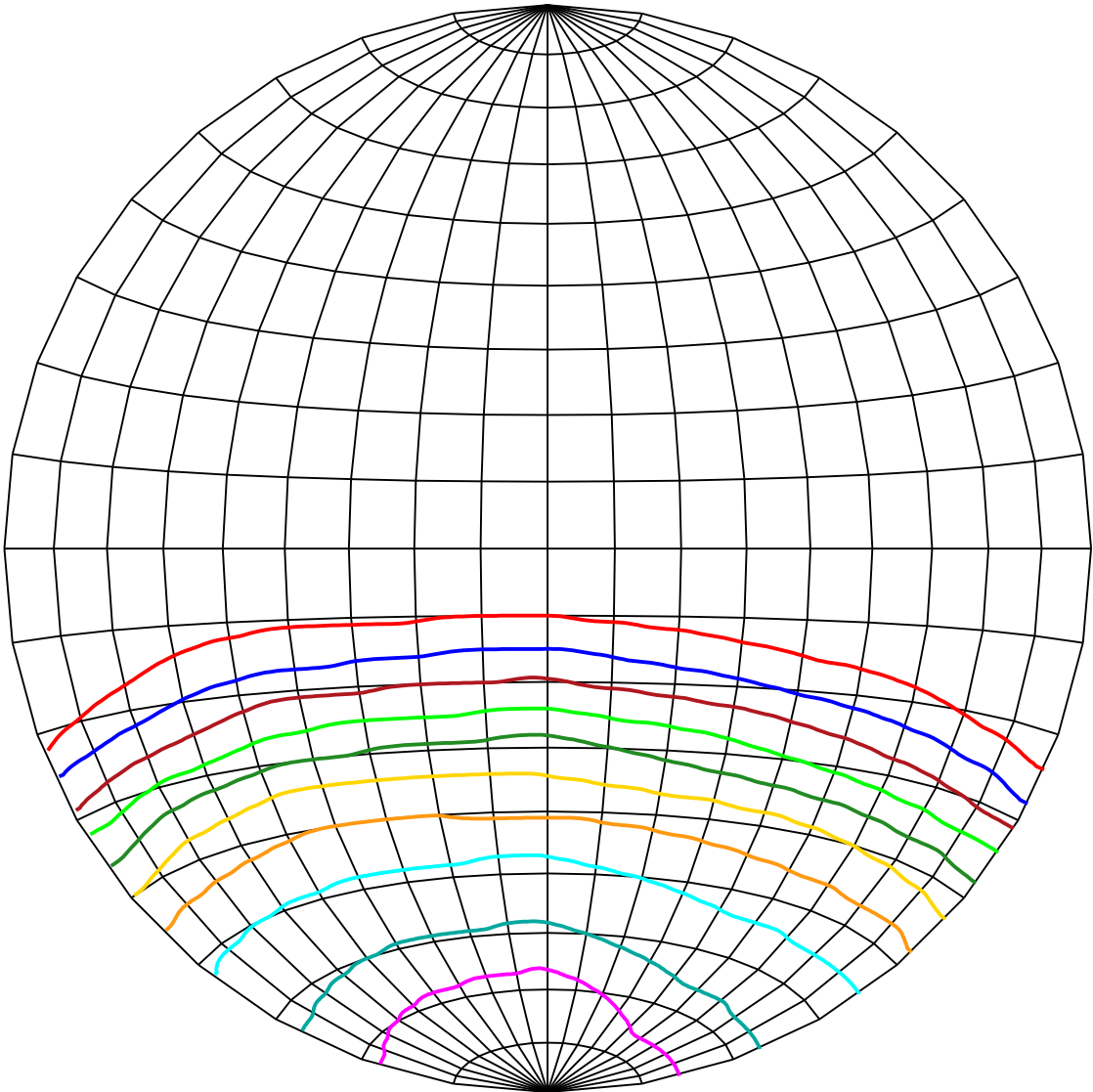
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.22
 Operators:
 Test Date: 2021/9/1 14:22:05

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.22 m
 Remarks:

Report No.:

Test Time: 2021/9/1 14:22:05

ISOCANDELA DIAGRAM (SPHERE)



Unit of intensity:cd Imax(100%): 4245.742 cd

- | | |
|---------------------|---------------------|
| — 4033.455(95%Imax) | — 2122.871(50%Imax) |
| — 3821.168(90%Imax) | — 1698.297(40%Imax) |
| — 3396.594(80%Imax) | — 1273.723(30%Imax) |
| — 2972.02(70%Imax) | — 849.148(20%Imax) |
| — 2547.445(60%Imax) | — 424.574(10%Imax) |

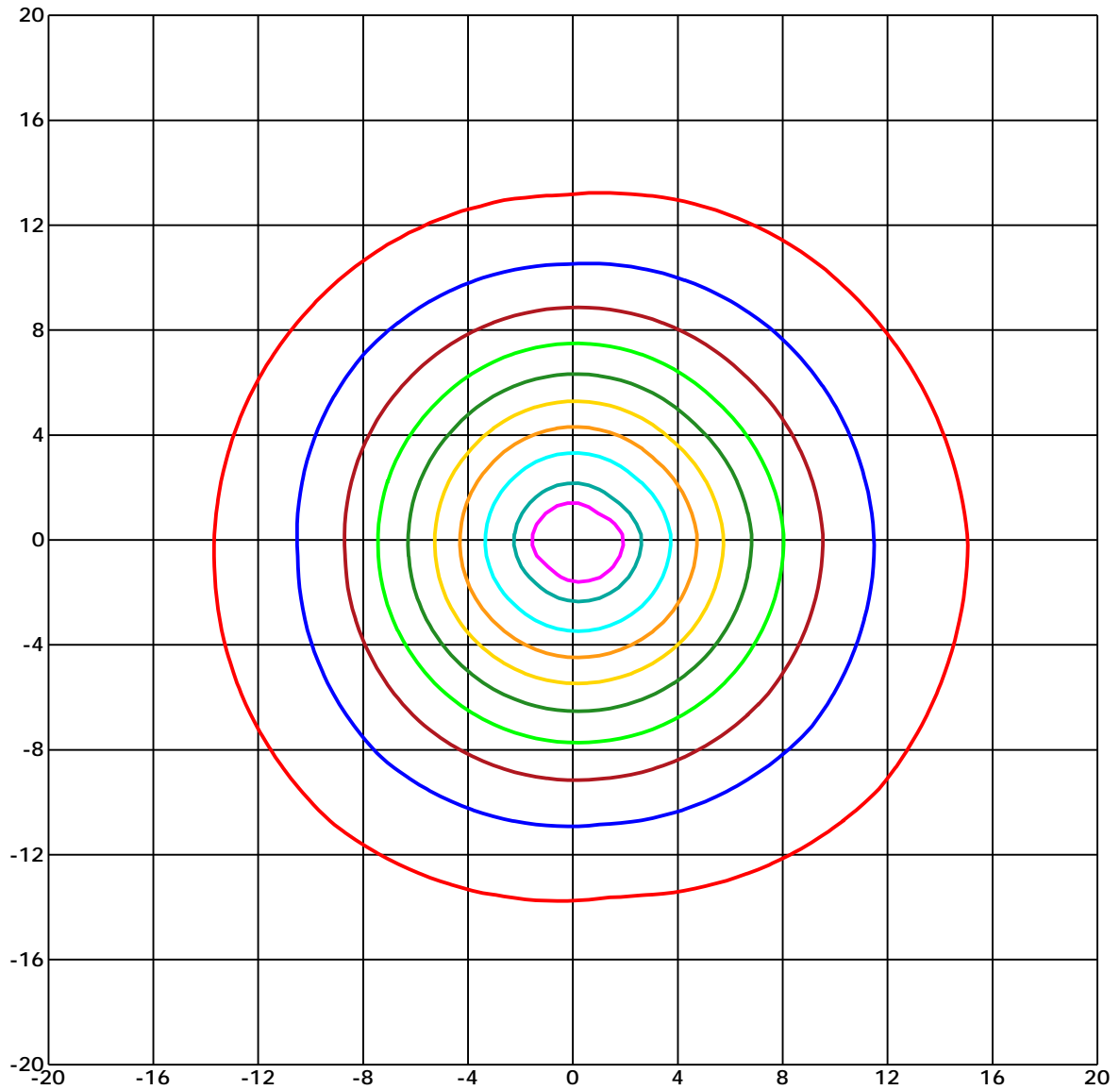
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.22
 Operators:
 Test Date: 2021/9/1 14:22:05

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.22 m
 Remarks:

Report No.:

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ISOLX DIAGRAM



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

— 40.301(1%E _{max})	— 21.211(0%E _{max})
— 38.18(1%E _{max})	— 16.969(0%E _{max})
— 33.937(1%E _{max})	— 12.727(0%E _{max})
— 29.695(1%E _{max})	— 8.484(0%E _{max})
— 25.453(1%E _{max})	— 4.242(0%E _{max})

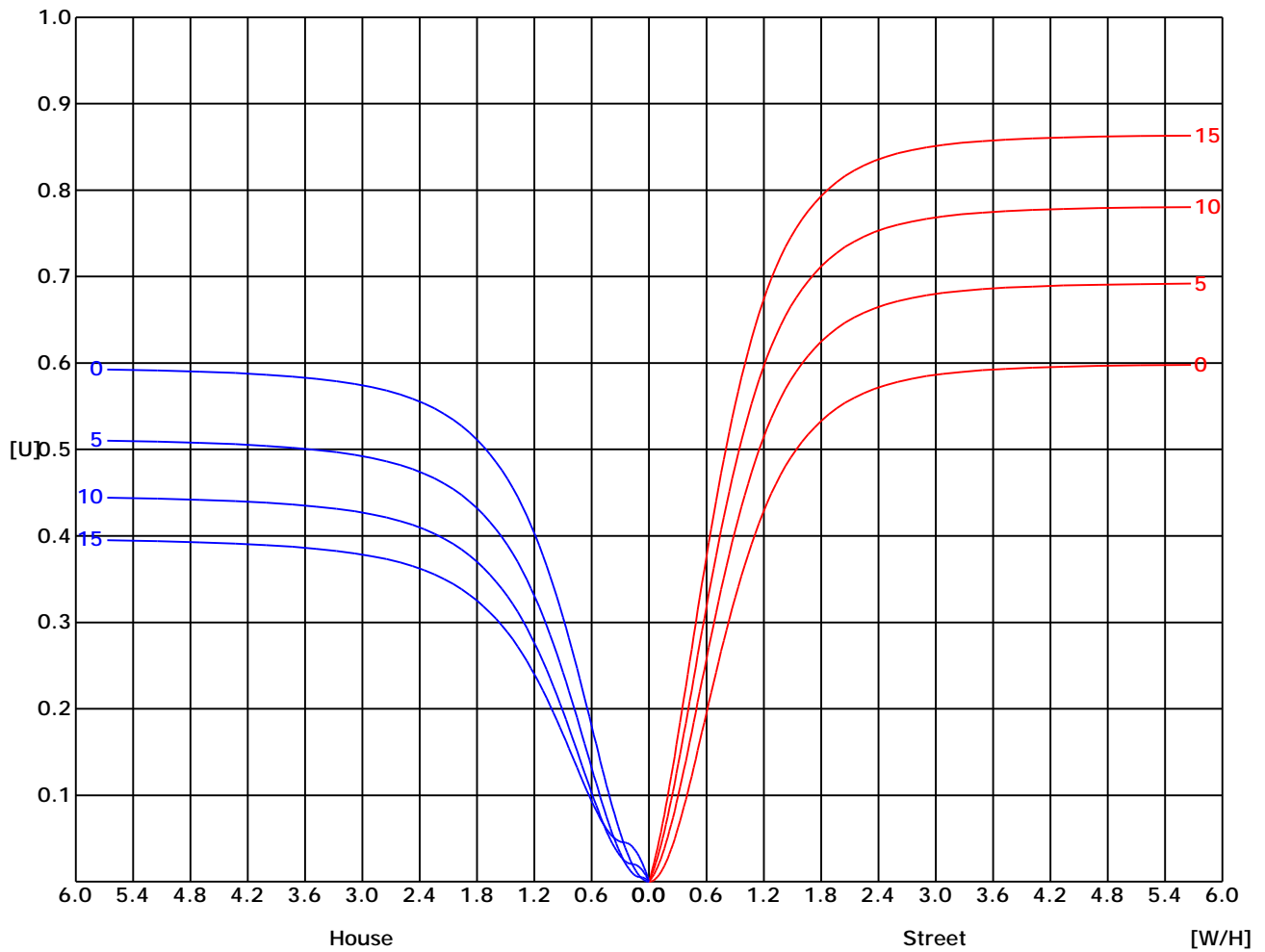
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.22
 Operators:
 Test Date: 2021/9/1 14:22:05

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.22 m
 Remarks:

Report No.:

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UTILIZATION FACTOR DIAGRAM (ROAD)



C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.22
 Operators:
 Test Date: 2021/9/1 14:22:05

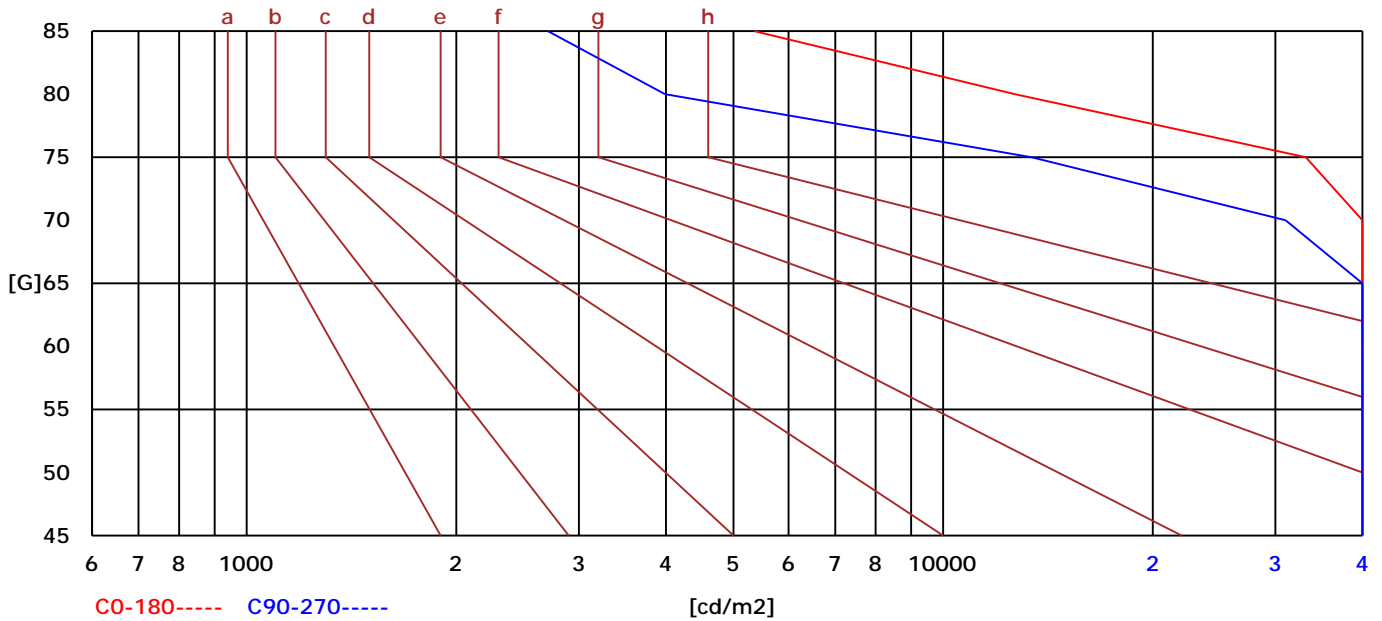
G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.22 m
 Remarks:

Report No.:

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BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	104007	102635	93241	81969	72471	52829	33177	12672	5360
C90	97055	90031	76665	65906	47981	31022	13386	3988	2708
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



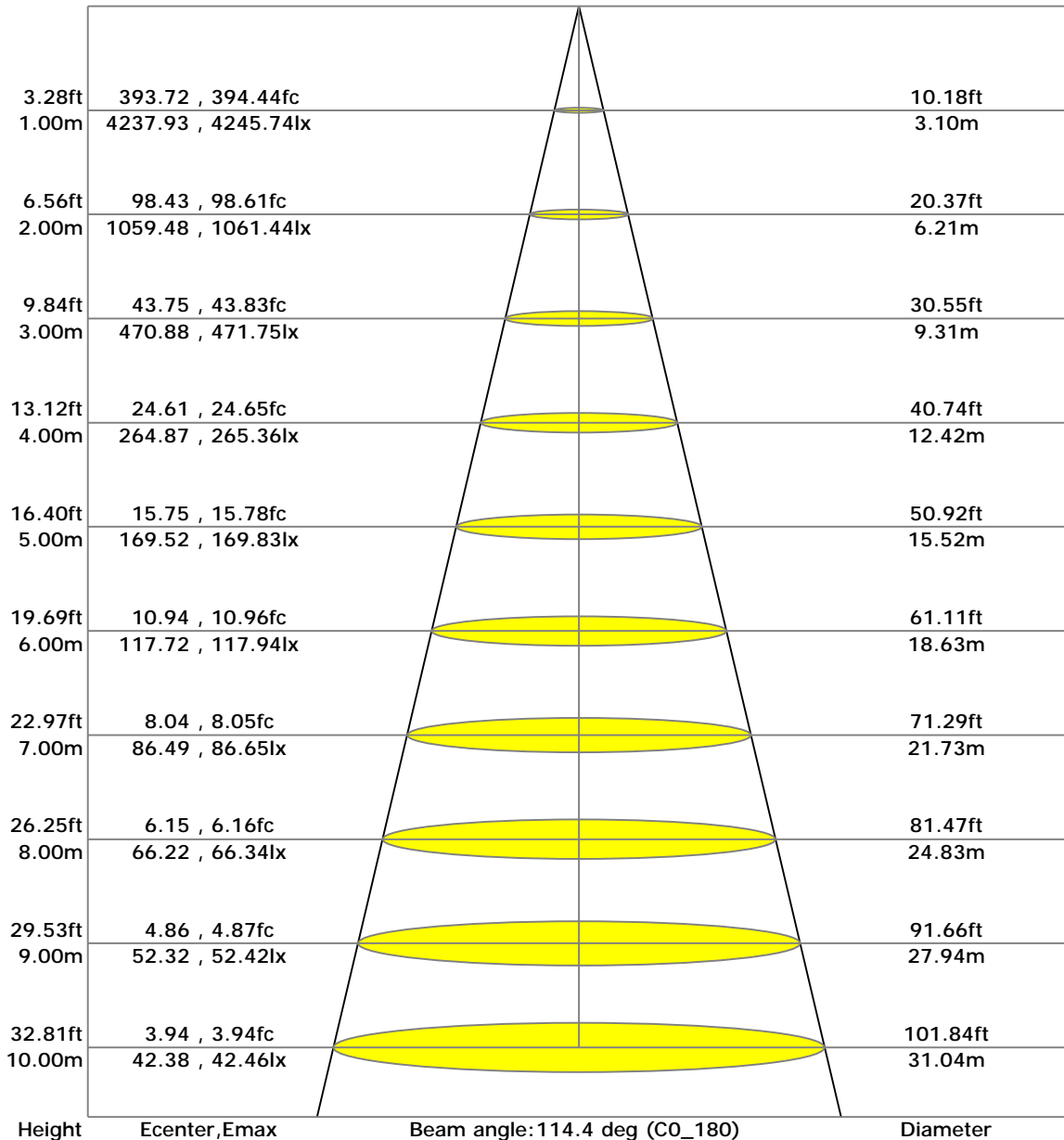
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.22
 Operators:
 Test Date: 2021/9/1 14:22:05

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.22 m
 Remarks:

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LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.22
 Operators:
 Test Date: 2021/9/1 14:22:05

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.22 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	20.76	20.84	20.96	21.03	21.27	19.51	19.58	19.71	19.77	20.02
	3H	20.76	20.83	20.97	21.03	21.27	19.62	19.69	19.83	19.89	20.13
	4H	20.74	20.81	20.95	21.00	21.25	19.63	19.69	19.84	19.89	20.14
	6H	20.71	20.78	20.93	20.98	21.23	19.60	19.67	19.82	19.87	20.12
	8H	20.69	20.76	20.91	20.96	21.22	19.59	19.65	19.81	19.86	20.11
	12H	20.68	20.74	20.90	20.95	21.20	19.57	19.64	19.80	19.84	20.10
4H	2H	22.93	23.00	23.14	23.19	23.44	20.03	20.10	20.24	20.29	20.54
	3H	22.97	23.04	23.20	23.24	23.50	20.22	20.28	20.44	20.49	20.74
	4H	22.95	23.01	23.18	23.22	23.48	20.24	20.30	20.47	20.51	20.77
	6H	22.92	22.97	23.16	23.19	23.46	20.23	20.28	20.47	20.51	20.77
	8H	22.90	22.95	23.14	23.18	23.44	20.21	20.27	20.46	20.49	20.76
	12H	22.88	22.93	23.13	23.16	23.43	20.19	20.25	20.44	20.48	20.75
8H	4H	23.28	23.35	23.50	23.55	23.81	20.00	20.07	20.22	20.27	20.52
	6H	23.32	23.37	23.57	23.61	23.88	20.21	20.25	20.46	20.49	20.76
	8H	23.30	23.34	23.56	23.59	23.87	20.19	20.23	20.45	20.48	20.76
	12H	23.28	23.32	23.55	23.57	23.85	20.17	20.21	20.44	20.46	20.74
12H	4H	23.36	23.42	23.61	23.65	23.92	20.20	20.25	20.45	20.48	20.75
	6H	23.33	23.37	23.59	23.62	23.90	20.19	20.23	20.45	20.48	20.75

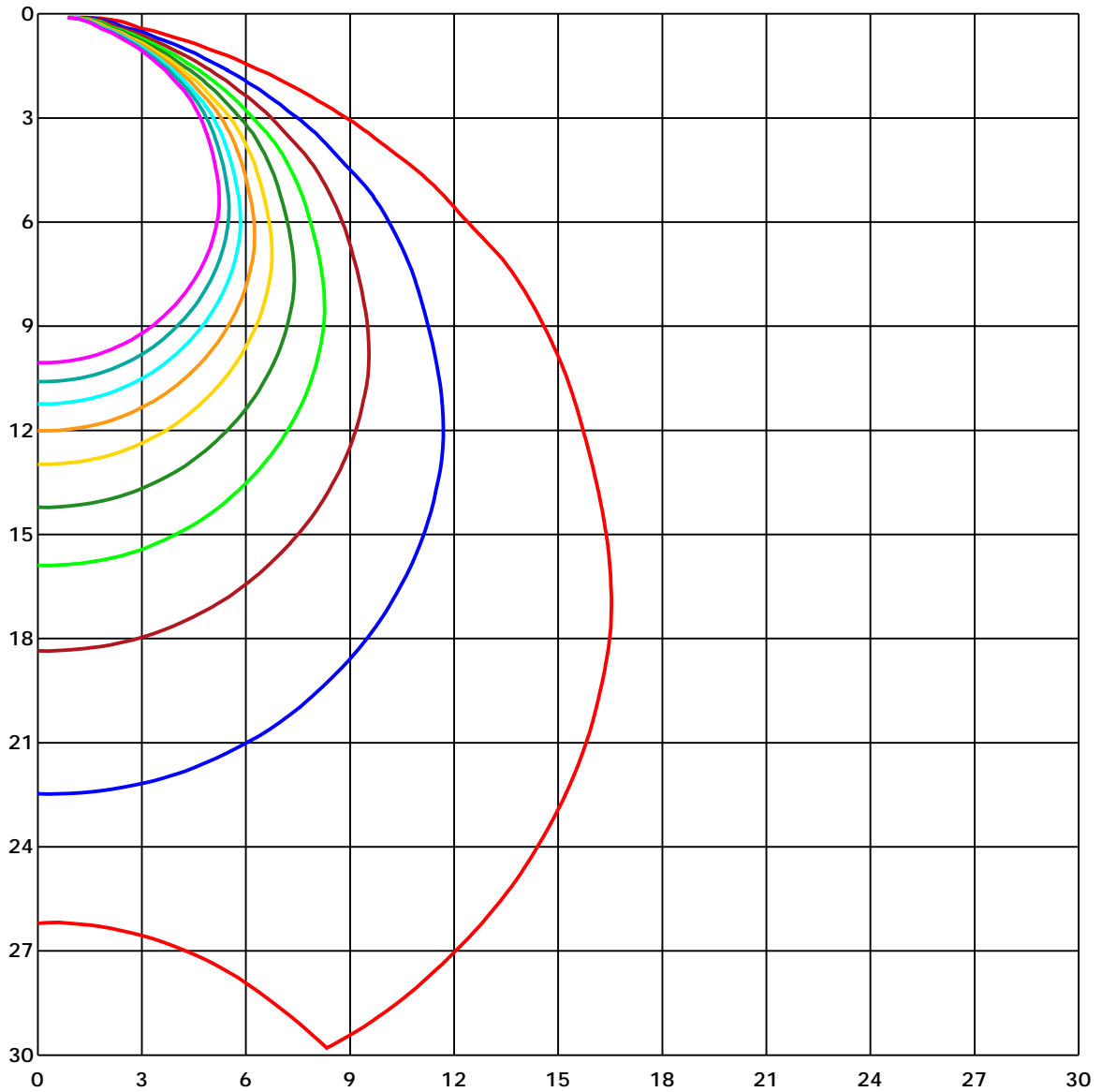
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 Test Date: 2021/9/1 14:22:05

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
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 Humidity: 1
 Test Distance: 6.22 m
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SPACE ISOLX DIAGRAM



Unit of illumination: lx

- | | |
|----------|----------|
| — 41.97 | — 20.985 |
| — 37.773 | — 16.788 |
| — 33.576 | — 12.591 |
| — 29.379 | — 8.394 |
| — 25.182 | — 4.197 |

C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.22
 Operators:
 Test Date: 2021/9/1 14:22:05

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.22 m
 Remarks:

Report No.:

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LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma/C	C0	C45	C90	C135	C180	C225	C270	C315	C360
G0	4237.93	4142.1	4169.84	4203.34	4237.93	4142.1	4169.84	4203.34	4237.93
G1	4244.12	4140.12	4170.3	4195.56	4234.41	4138.23	4171.34	4204.5	4244.12
G2	4243.5	4140.05	4164.38	4188.83	4227.83	4138.03	4171.93	4207.13	4243.5
G3	4245.2	4139.16	4159.35	4179.93	4216.57	4138.03	4169.14	4203.19	4245.2
G4	4245.74	4134.94	4152.16	4171.58	4200.67	4134.36	4168.48	4206.09	4245.74
G5	4245.24	4129.95	4142.06	4159.16	4192.93	4124.92	4165.89	4202.02	4245.24
G6	4245.08	4122.79	4134.17	4147.59	4180.51	4119.39	4161.94	4203.88	4245.08
G7	4243.0	4114.12	4118.92	4136.6	4165.74	4110.1	4159.35	4200.21	4243.0
G8	4240.67	4105.54	4109.33	4117.65	4152.5	4099.73	4154.44	4196.65	4240.67
G9	4237.89	4093.54	4095.32	4103.76	4141.25	4089.79	4145.62	4196.3	4237.89
G10	4231.89	4085.15	4081.16	4085.46	4125.23	4081.01	4136.53	4194.33	4231.89
G11	4225.28	4070.91	4066.0	4068.7	4104.41	4068.05	4125.77	4182.25	4225.28
G12	4213.79	4054.7	4048.55	4051.1	4087.51	4054.78	4113.66	4176.53	4213.79
G13	4200.9	4042.05	4036.79	4031.33	4063.6	4038.14	4101.98	4161.48	4200.9
G14	4192.39	4025.49	4019.38	4009.12	4045.99	4023.05	4087.97	4155.13	4192.39
G15	4178.54	4007.31	4000.23	3990.01	4023.52	4003.94	4070.52	4141.4	4178.54
G16	4167.71	3989.82	3977.86	3967.11	4000.3	3983.59	4049.98	4124.73	4167.71
G17	4156.14	3972.06	3960.73	3943.59	3978.06	3964.09	4035.47	4110.29	4156.14
G18	4142.79	3951.56	3934.8	3916.81	3953.37	3941.07	4013.53	4092.88	4142.79
G19	4123.41	3933.95	3911.75	3890.2	3929.74	3919.06	3993.84	4075.01	4123.41
G20	4105.46	3913.25	3884.55	3864.28	3902.34	3894.3	3976.59	4056.44	4105.46
G21	4086.66	3890.16	3858.36	3835.03	3870.08	3870.47	3951.59	4036.75	4086.66
G22	4061.12	3862.61	3830.73	3804.23	3840.91	3843.34	3928.96	4015.62	4061.12
G23	4040.35	3838.04	3801.56	3769.68	3808.8	3817.42	3905.56	3995.24	4040.35
G24	4017.29	3811.7	3768.75	3740.12	3776.65	3792.24	3877.55	3970.2	4017.29
G25	3996.47	3780.9	3739.39	3704.92	3741.52	3765.62	3848.41	3950.43	3996.47
G26	3973.18	3748.75	3708.21	3666.35	3706.77	3741.48	3820.63	3929.23	3973.18
G27	3947.11	3715.79	3674.51	3628.08	3669.75	3716.18	3790.81	3902.85	3947.11
G28	3923.16	3680.39	3640.77	3587.46	3633.81	3682.83	3758.11	3878.4	3923.16
G29	3895.77	3646.69	3602.82	3547.3	3596.36	3647.54	3727.63	3849.38	3895.77
G30	3865.55	3609.43	3566.65	3505.44	3552.49	3611.91	3694.36	3819.63	3865.55
G31	3833.25	3571.21	3528.34	3462.23	3508.88	3574.85	3662.28	3789.49	3833.25
G32	3801.64	3536.16	3488.42	3419.44	3468.92	3540.07	3628.01	3755.06	3801.64
G33	3770.22	3493.21	3444.0	3372.97	3427.02	3499.6	3589.74	3720.01	3770.22
G34	3738.96	3456.92	3401.6	3328.71	3381.02	3460.33	3554.61	3687.08	3738.96
G35	3702.91	3415.88	3359.39	3284.03	3334.21	3421.41	3515.54	3648.63	3702.91
G36	3667.58	3374.36	3314.01	3239.15	3287.01	3381.68	3471.28	3613.3	3667.58

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.22

Operators:

Test Date: 2021/9/1 14:22:05

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity: 1

Test Distance: 6.22 m

Remarks:

Report No.:

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LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

GammaC	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	3627.46	3330.03	3266.93	3187.89	3233.85	3336.1	3428.53	3573.96	3627.46	
G38	3586.84	3287.66	3218.49	3135.04	3169.93	3295.01	3385.62	3533.06	3586.84	
G39	3544.01	3243.25	3168.15	3082.77	3100.53	3248.63	3337.92	3488.22	3544.01	
G40	3499.21	3196.86	3111.13	3030.62	3023.19	3200.73	3291.11	3449.54	3499.21	
G41	3456.62	3148.77	3047.14	2977.0	2941.44	3153.65	3242.94	3403.53	3456.62	
G42	3414.64	3101.73	2962.02	2919.93	2863.56	3102.15	3183.71	3357.65	3414.64	
G43	3364.19	3047.99	2873.62	2863.14	2791.1	3049.81	3108.46	3309.56	3364.19	
G44	3306.0	2996.38	2787.31	2806.26	2718.56	2996.53	3018.86	3265.46	3306.0	
G45	3240.39	2941.75	2693.95	2745.14	2650.0	2943.1	2928.36	3217.06	3240.39	
G46	3174.62	2884.03	2602.84	2682.73	2587.25	2886.85	2843.44	3164.6	3174.62	
G47	3107.26	2827.08	2506.31	2612.67	2527.2	2830.95	2756.32	3110.97	3107.26	
G48	3031.66	2768.31	2416.36	2530.03	2464.99	2770.71	2672.29	3056.04	3031.66	
G49	2955.76	2706.91	2316.97	2431.91	2398.29	2713.33	2541.17	3001.18	2955.76	
G50	2885.81	2638.9	2250.93	2314.84	2330.82	2651.51	2461.98	2944.42	2885.81	
G51	2815.24	2561.87	2179.36	2195.88	2260.33	2584.39	2403.75	2887.93	2815.24	
G52	2745.33	2477.33	2041.05	2080.93	2189.76	2491.3	2344.48	2828.01	2745.33	
G53	2683.97	2374.35	1845.9	1971.72	2115.37	2391.25	2210.11	2767.96	2683.97	
G54	2623.42	2254.03	1777.38	1860.76	2041.16	2277.63	2007.35	2703.74	2623.42	
G55	2566.4	2139.24	1700.24	1758.93	1963.09	2160.21	1922.5	2618.59	2566.4	
G56	2505.23	2032.15	1495.73	1664.65	1852.98	2049.56	1863.81	2521.98	2505.23	
G57	2438.65	1921.38	1388.68	1591.29	1717.77	1944.63	1732.89	2413.5	2438.65	
G58	2371.95	1819.83	1318.35	1515.66	1630.79	1826.25	1541.35	2301.42	2371.95	
G59	2304.98	1726.9	1133.26	1421.61	1555.0	1732.7	1466.29	2180.01	2304.98	
G60	2236.27	1639.38	1034.68	1318.11	1480.76	1656.25	1382.76	2068.2	2236.27	
G61	2163.07	1561.5	966.75	1243.52	1359.12	1589.44	1198.68	1938.91	2163.07	
G62	2086.16	1489.89	770.67	1157.83	1247.82	1486.14	1105.75	1835.42	2086.16	
G63	1962.7	1398.47	721.0	1067.14	1176.13	1396.03	1009.03	1750.5	1962.7	
G64	1833.91	1295.52	552.51	951.46	1105.06	1328.33	848.05	1673.12	1833.91	
G65	1752.39	1225.11	504.15	811.1	970.07	1243.91	775.7	1547.42	1752.39	
G66	1676.91	1148.97	344.68	734.62	895.52	1153.19	624.39	1472.13	1676.91	
G67	1600.62	1015.45	294.5	668.34	815.2	1080.99	540.94	1400.48	1600.62	
G68	1493.18	907.17	177.5	590.15	699.41	961.06	401.47	1298.27	1493.18	
G69	1360.25	796.67	145.97	503.22	614.1	813.11	311.44	1212.96	1360.25	
G70	1286.47	722.74	111.19	424.41	506.01	741.66	202.19	1144.13	1286.47	
G71	1208.32	641.65	85.62	359.53	419.38	675.81	161.95	1042.38	1208.32	
G72	1085.25	564.15	66.2	303.97	326.61	617.78	130.26	900.32	1085.25	
G73	990.46	491.57	54.28	233.79	238.86	518.58	100.01	789.36	990.46	

C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.22
 Operators:
 Test Date: 2021/9/1 14:22:05

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.22 m
 Remarks:

