

Report No.:

Test Time: 2024/8/9 9:18:48

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: InBright
Luminaire Type: IBDL226CT115-14.1W
Lamp Type:
Luminous Width: 106 mm
Luminous Length: 106 mm
Luminous Height: 55 mm

Voltage(V): 219.80 V
Current(A): 0.0670 A
Power(W): 14.10 W
Power Factor: 0.9440
Lamp Luminous Flux: 962.06

Photometric Results

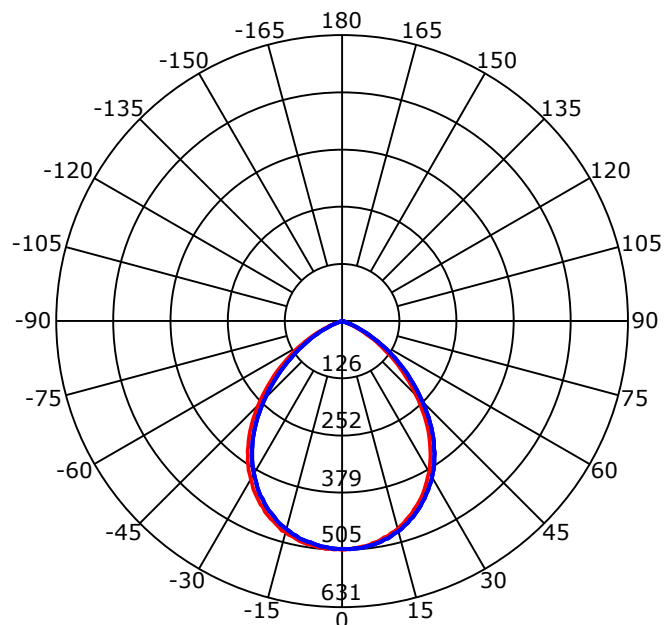
CIE Class: Direct
Luminaire Luminous Flux: 962.0598 lm
Downward Ratio: 100.00%
Luminaire Efficacy Rating(LER): 68.23 lm/W
Beam Angle(50%) C0-180,C90-270: 89.0,88.9
Field Angle(10%) C0-180,C90-270: 129.3,129.2
S/MH C0-180,C90-270: 1.155,1.155

Max. Intensity: 504.83 cd
Max.Intensity Angle: C=180 Gamma=0
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 504.83 cd
Effective Luminous Flux: 940.71 lm
ERP(ϕ use)(120deg): 908.65 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 89.0 deg,88.9 deg

C0-180 — C90-270 —

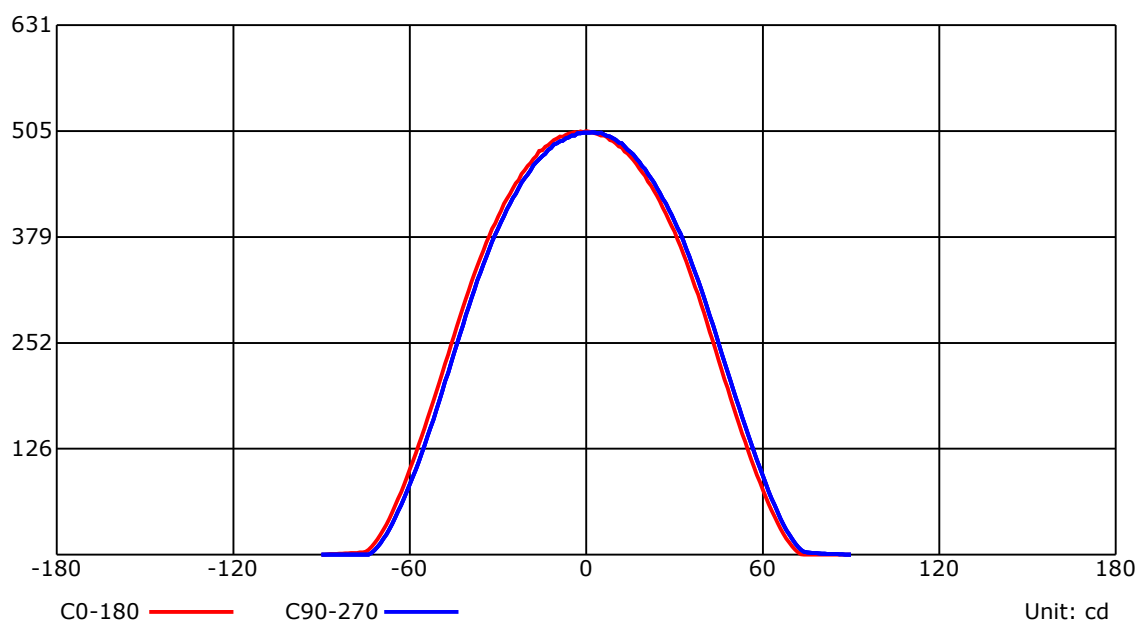
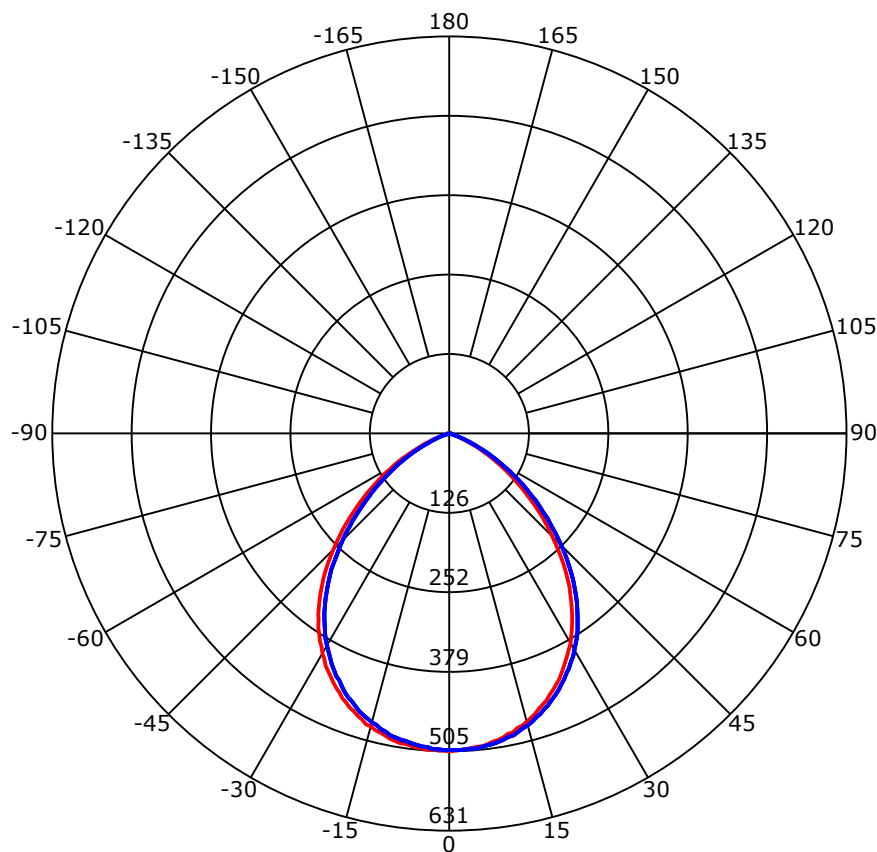
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/8/9 9:18:48

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.7 m
Remarks:

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Luminous Intensity Distribution Curve



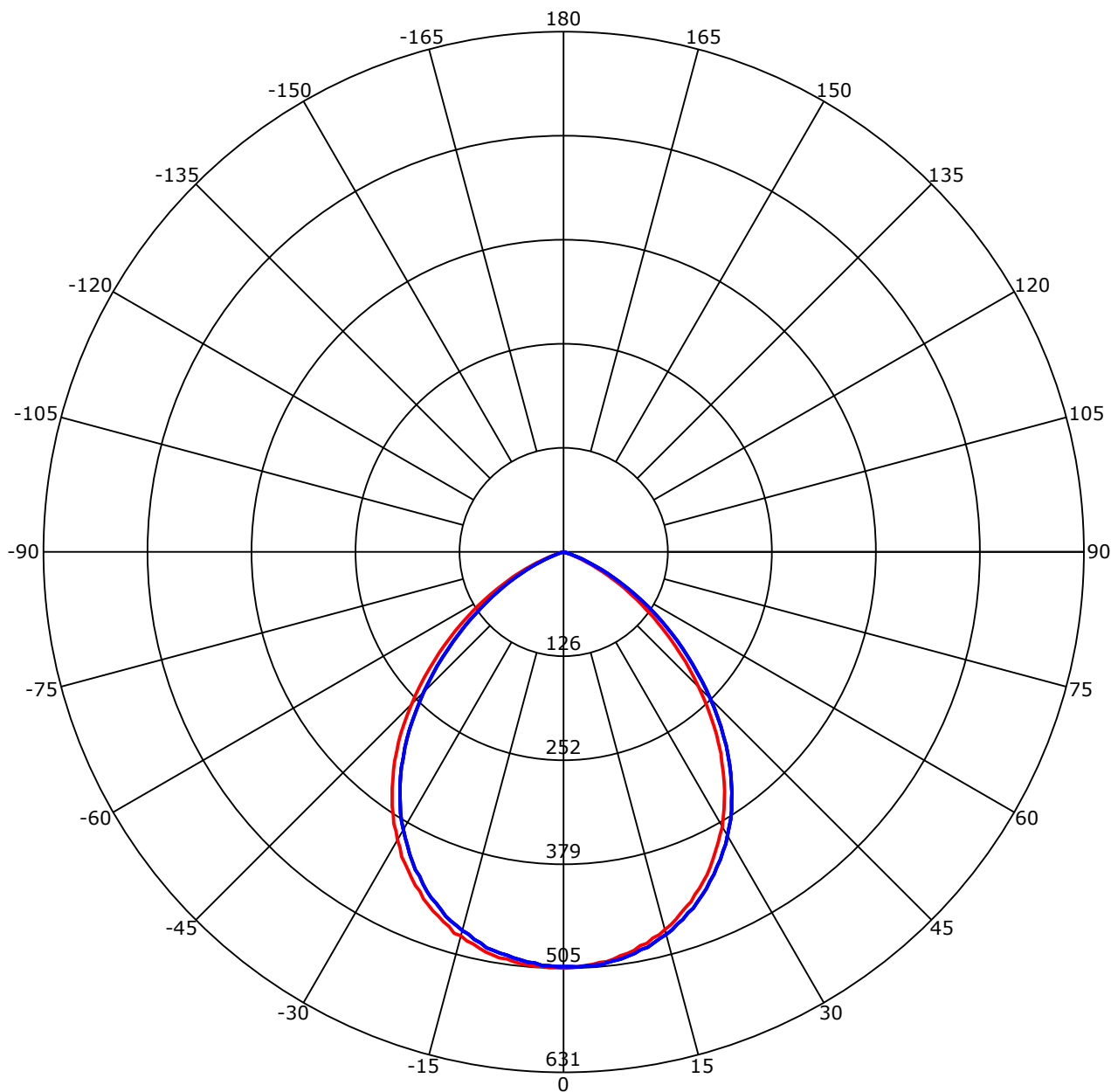
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Luminous Intensity Distribution Curve



C0-180 — C90-270

Unit: cd/klm

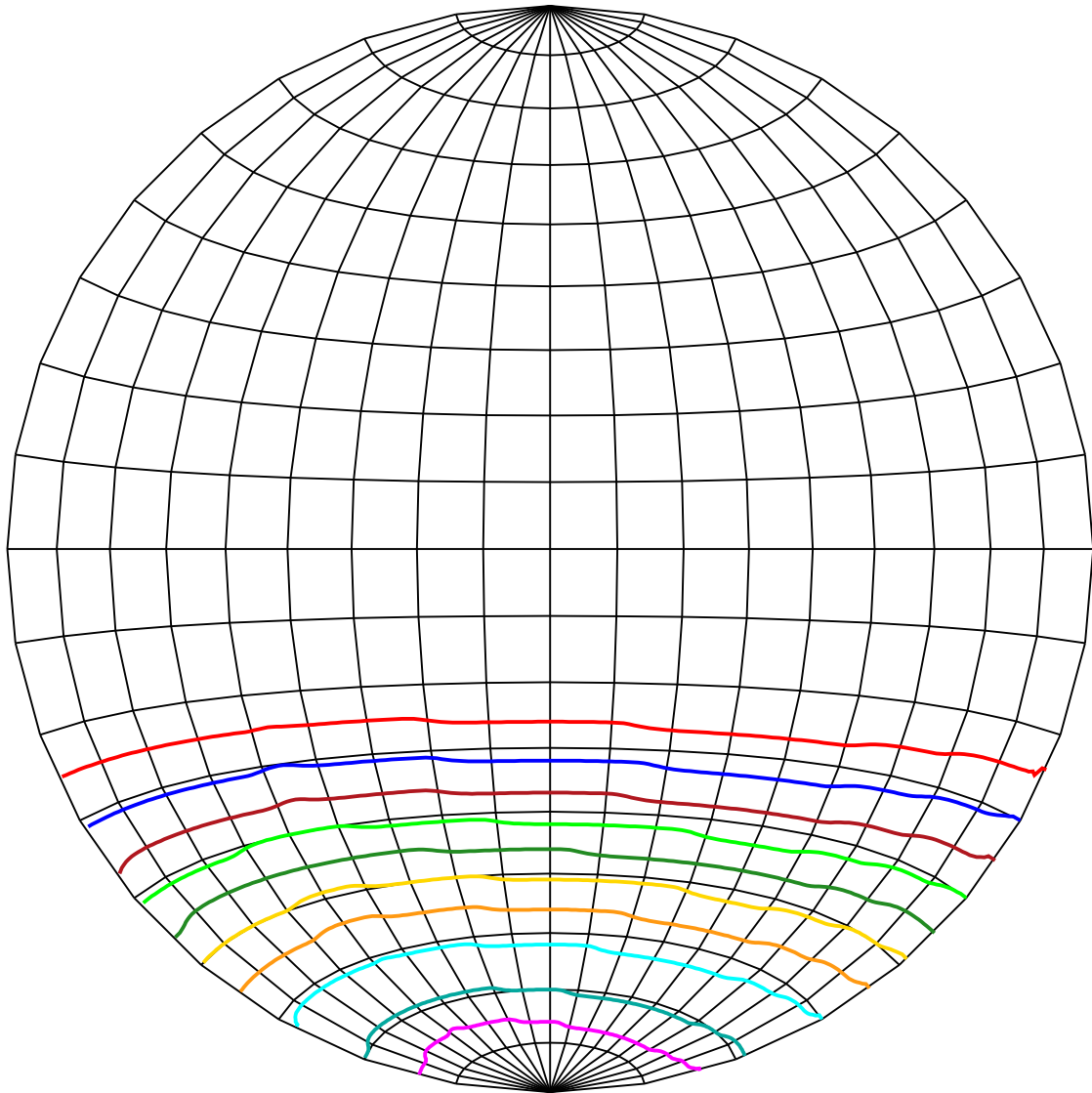
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ISOCANDELA DIAGRAM (SPHERE)



Unit of intensity:cd Imax(100%): 504.833 cd

479.591(95%Imax)	252.417(50%Imax)
454.35(90%Imax)	201.933(40%Imax)
403.866(80%Imax)	151.45(30%Imax)
353.383(70%Imax)	100.967(20%Imax)
302.9(60%Imax)	50.483(10%Imax)

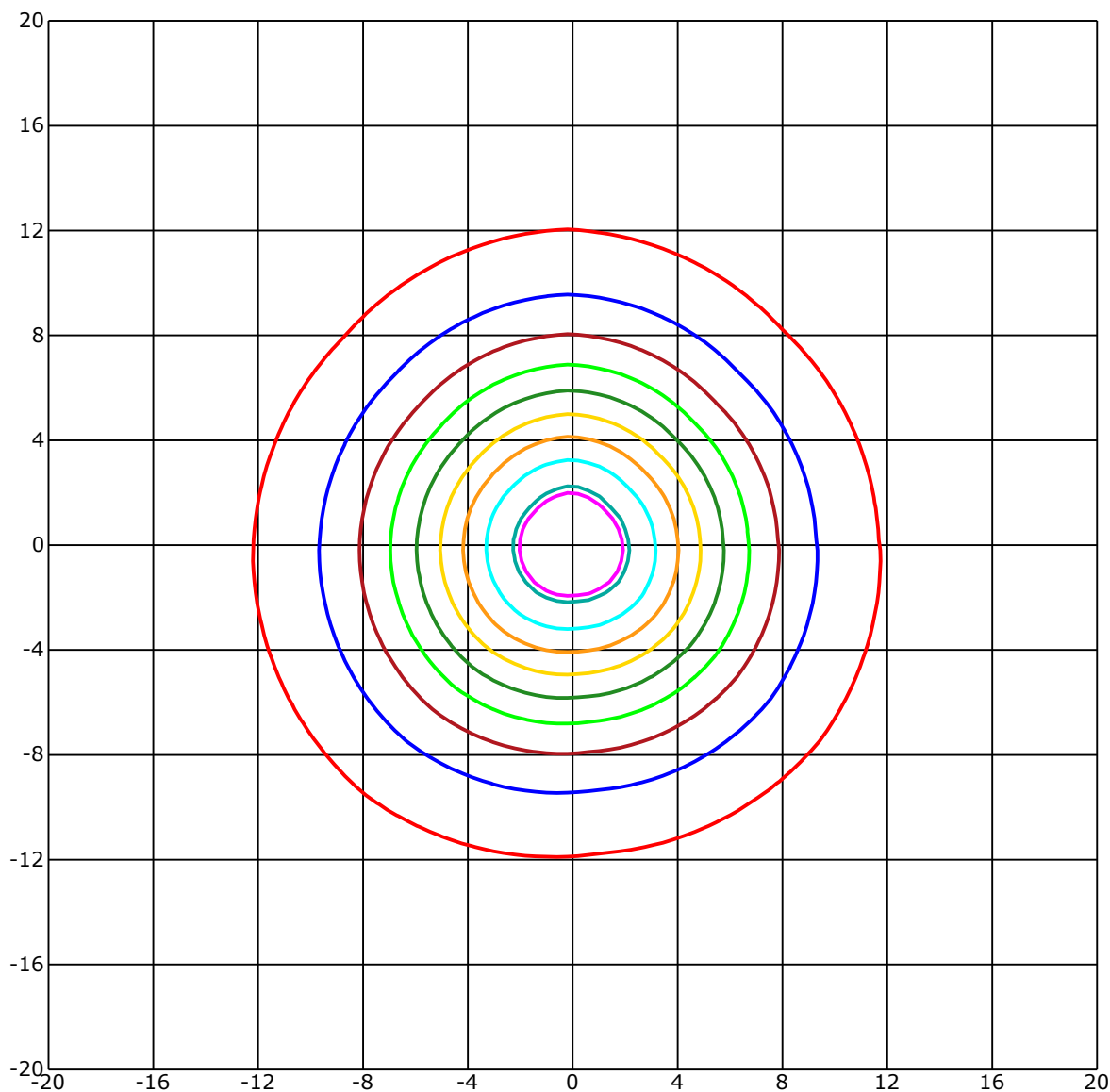
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ISOLX DIAGRAM



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

4.644(92%Emax)	2.524(50%Emax)
4.543(90%Emax)	2.019(40%Emax)
4.039(80%Emax)	1.514(30%Emax)
3.534(70%Emax)	1.01(20%Emax)
3.029(60%Emax)	0.505(10%Emax)

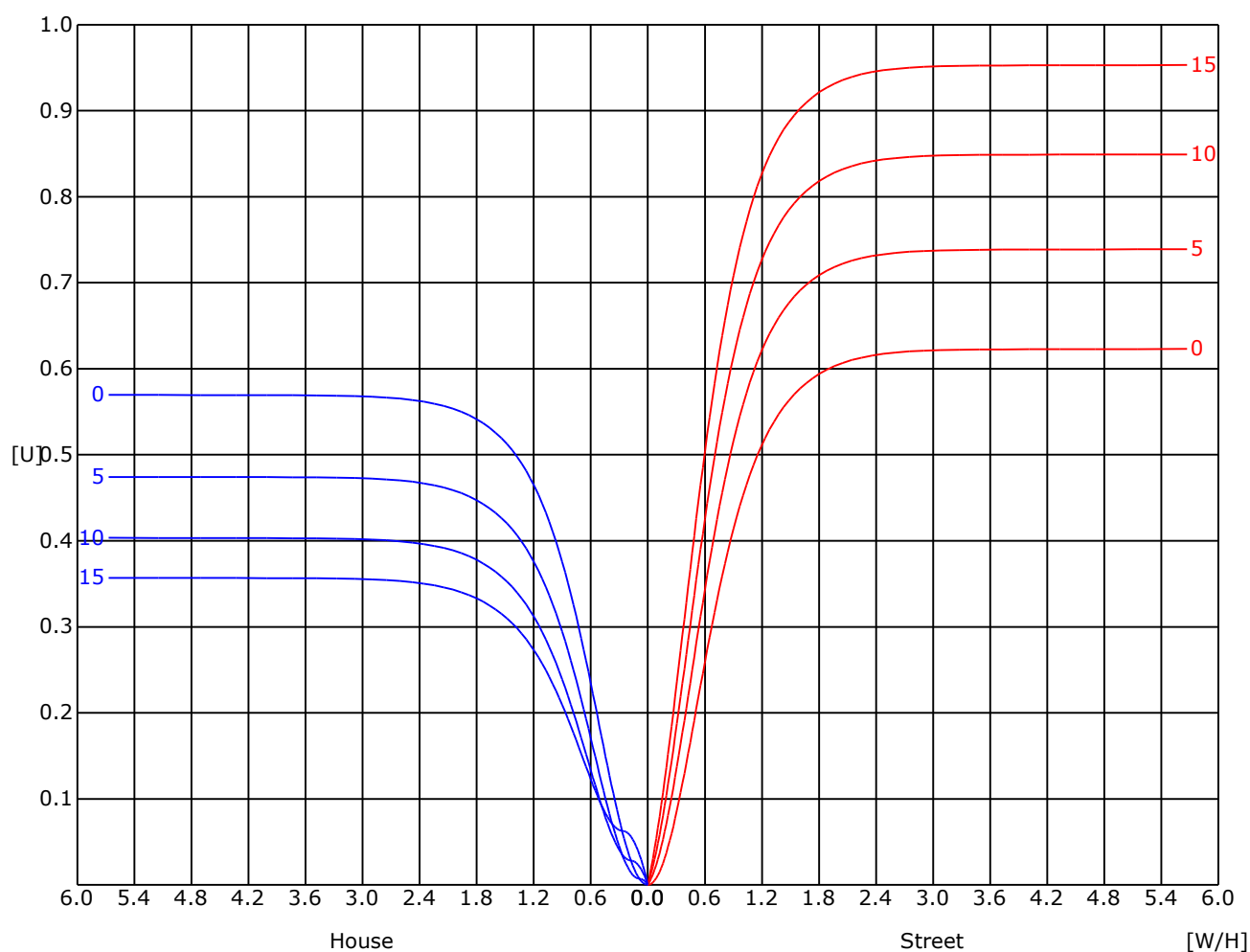
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UTILIZATION FACTOR DIAGRAM (ROAD)



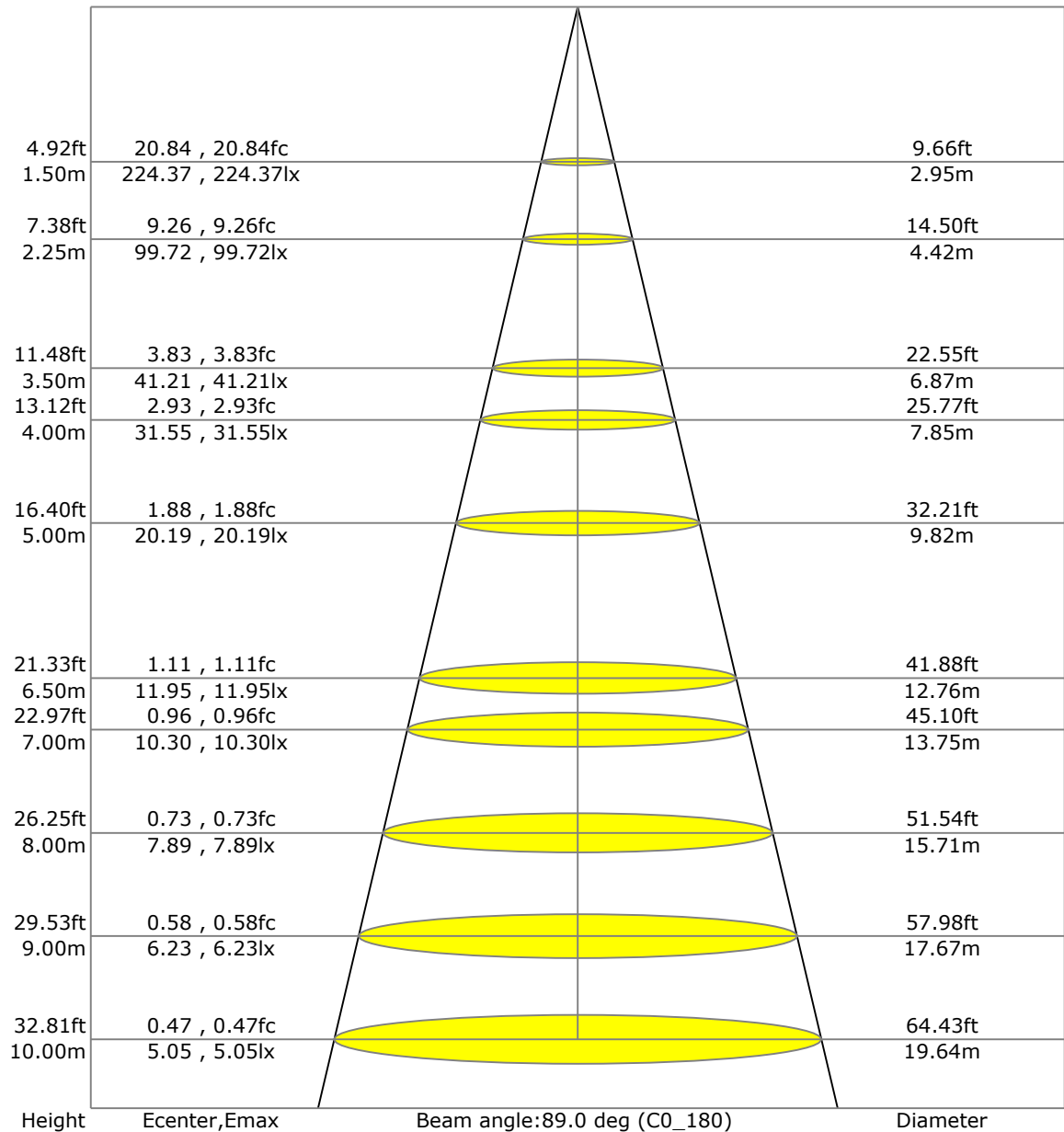
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LX-DISTANCE DIAGRAM



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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	18.32	18.39	18.52	18.58	18.82	18.55	18.62	18.75	18.80	19.05
3H	18.30	18.36	18.51	18.55	18.80	18.52	18.58	18.73	18.78	19.02
4H	18.28	18.34	18.49	18.53	18.78	18.50	18.56	18.71	18.75	19.00
6H	18.25	18.31	18.47	18.51	18.76	18.47	18.53	18.69	18.73	18.98
8H	18.24	18.30	18.46	18.50	18.75	18.46	18.52	18.68	18.72	18.97
12H	18.22	18.28	18.44	18.49	18.74	18.44	18.50	18.67	18.71	18.96
4H 2H	18.48	18.54	18.69	18.74	18.99	18.81	18.87	19.02	19.06	19.31
3H	18.45	18.51	18.67	18.71	18.97	18.77	18.82	18.99	19.03	19.28
4H	18.42	18.47	18.65	18.69	18.95	18.74	18.79	18.97	19.00	19.26
6H	18.39	18.44	18.63	18.66	18.92	18.71	18.76	18.94	18.98	19.24
8H	18.37	18.42	18.61	18.65	18.91	18.69	18.74	18.93	18.96	19.23
12H	18.35	18.40	18.60	18.63	18.90	18.67	18.72	18.92	18.95	19.22
8H 4H	18.44	18.50	18.66	18.71	18.96	18.77	18.83	18.99	19.03	19.28
6H	18.33	18.38	18.59	18.62	18.89	18.65	18.70	18.91	18.94	19.21
8H	18.32	18.36	18.58	18.60	18.88	18.64	18.68	18.90	18.92	19.20
12H	18.30	18.33	18.56	18.59	18.87	18.61	18.65	18.88	18.91	19.19
12H 4H	18.35	18.40	18.60	18.63	18.90	18.67	18.72	18.92	18.95	19.22
6H	18.32	18.36	18.58	18.60	18.88	18.64	18.68	18.90	18.92	19.20

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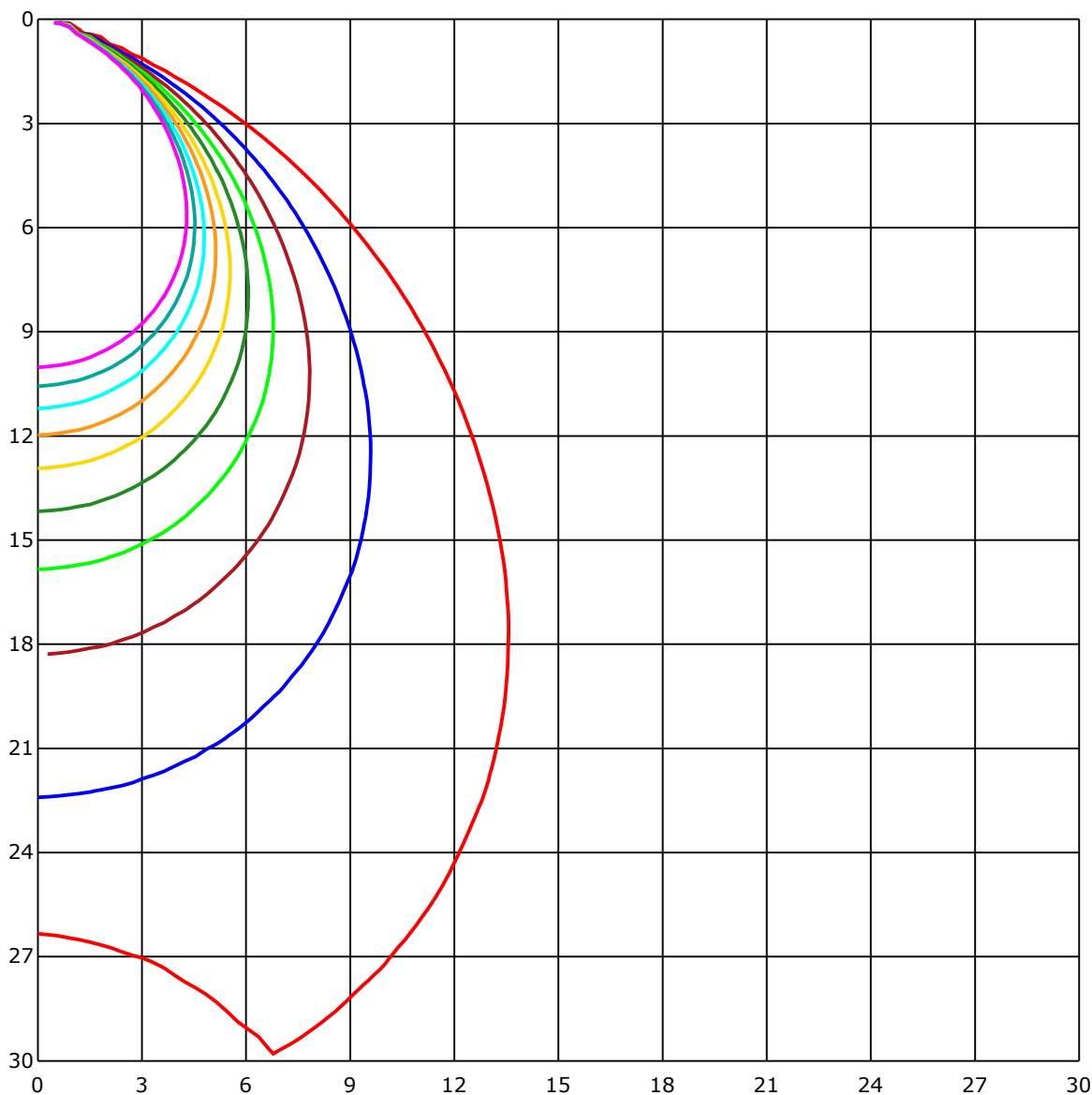
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SPACE ISOLX DIAGRAM



5.027

4.524

4.022

3.519

3.016

2.514

2.011

1.508

1.005

0.503

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LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	504.83	501.33	502.86	503.44	504.83	501.33	502.86	503.44	504.83	
G1	504.16	501.38	502.99	504.29	503.85	501.78	502.95	503.4	504.16	
G2	503.08	500.93	503.49	502.77	504.47	502.72	502.23	502.77	503.08	
G3	502.18	499.4	502.86	502.63	503.04	502.09	502.18	502.5	502.18	
G4	501.15	498.19	502.18	501.06	503.67	502.9	499.63	502.41	501.15	
G5	499.54	496.17	502.81	500.25	502.5	501.96	499.36	501.24	499.54	
G6	499.4	494.37	500.75	498.41	501.78	501.42	497.34	499.58	499.4	
G7	497.47	492.44	499.27	497.25	500.25	498.95	496.12	498.95	497.47	
G8	494.33	491.46	498.32	495.09	498.1	498.32	493.52	496.98	494.33	
G9	493.07	488.22	496.39	494.33	498.41	497.61	492.67	495.54	493.07	
G10	490.47	485.71	494.37	490.87	496.03	495.85	490.42	493.57	490.47	
G11	486.43	482.79	490.96	488.72	494.19	492.67	488.94	491.41	486.43	
G12	485.35	479.96	490.2	486.52	491.05	490.78	484.45	488.04	485.35	
G13	480.37	475.43	486.43	482.88	487.95	488.04	482.34	486.2	480.37	
G14	478.3	472.33	482.7	479.47	486.11	486.25	477.72	482.43	478.3	
G15	474.17	468.2	480.14	476.96	481.89	482.21	475.21	479.92	474.17	
G16	470.36	463.62	476.91	472.51	481.13	480.41	471.21	476.42	470.36	
G17	465.69	458.6	471.93	468.11	475.12	476.46	467.84	473.41	465.69	
G18	460.08	455.05	468.29	465.55	471.48	472.74	464.12	470.31	460.08	
G19	455.45	449.21	463.04	460.93	466.68	468.83	458.06	464.03	455.45	
G20	451.28	443.11	459.45	453.75	463.31	464.48	453.03	459.45	451.28	
G21	444.68	437.5	453.88	450.11	458.19	460.03	448.68	453.79	444.68	
G22	439.7	432.11	448.45	443.83	453.7	455.18	443.47	448.41	439.7	
G23	433.68	425.74	443.51	438.08	446.66	449.66	436.96	443.11	433.68	
G24	427.8	420.17	436.82	432.25	442.53	444.41	429.91	436.47	427.8	
G25	421.25	412.9	431.17	425.24	436.42	438.62	425.29	430.54	421.25	
G26	413.84	406.16	424.48	419.05	430.05	433.46	418.37	424.48	413.84	
G27	406.25	398.58	418.69	412.22	423.9	426.99	411.55	417.97	406.25	
G28	398.85	391.53	411.28	404.55	418.33	420.84	403.52	410.97	398.85	
G29	391.44	383.41	405.09	397.95	409.71	414.78	396.56	404.05	391.44	
G30	384.89	375.59	397.46	389.38	403.16	408.36	388.75	396.74	384.89	
G31	375.86	366.98	389.51	382.15	395.03	400.73	381.74	389.87	375.86	
G32	367.25	358.0	382.24	373.31	388.57	393.51	373.22	381.61	367.25	
G33	358.04	348.03	373.66	365.4	379.72	385.43	364.15	372.77	358.04	
G34	349.11	338.83	364.01	356.07	372.18	378.2	355.08	363.83	349.11	
G35	339.28	329.04	355.66	346.82	362.58	369.13	346.28	355.89	339.28	
G36	329.45	319.57	345.7	336.5	354.0	361.5	336.54	345.2	329.45	

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Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	318.94	308.93	336.54	327.25	344.17	351.44	327.07	336.09	318.94	
G38	310.01	299.78	326.84	316.43	335.19	341.88	316.12	326.49	310.01	
G39	298.34	287.92	316.74	306.37	325.59	332.99	306.15	315.98	298.34	
G40	288.46	277.47	306.55	295.42	314.77	323.3	295.51	305.48	288.46	
G41	277.02	265.93	295.69	284.92	305.07	313.15	285.32	295.83	277.02	
G42	265.43	254.21	284.87	273.43	294.7	302.74	273.38	284.78	265.43	
G43	254.26	243.26	273.96	262.74	282.99	291.79	261.75	273.87	254.26	
G44	242.99	232.13	262.92	250.98	272.3	280.88	250.8	262.29	242.99	
G45	231.36	220.63	251.34	239.71	260.77	270.78	239.89	251.11	231.36	
G46	220.28	209.32	240.07	227.91	250.26	259.69	228.54	239.71	220.28	
G47	208.83	198.28	229.3	216.95	238.5	248.11	216.82	228.36	208.83	
G48	198.55	187.06	217.67	205.24	227.46	237.6	206.58	216.95	198.55	
G49	186.83	176.37	207.03	193.84	215.88	225.71	194.37	206.05	186.83	
G50	176.01	165.69	195.86	183.15	204.88	215.02	183.15	194.6	176.01	
G51	165.33	155.59	185.22	172.78	194.24	203.8	172.69	184.05	165.33	
G52	154.83	145.26	175.07	162.28	183.65	192.94	161.29	173.59	154.83	
G53	144.32	134.8	164.21	151.32	172.2	181.98	150.97	163.09	144.32	
G54	134.4	124.93	153.16	141.04	161.87	171.75	140.86	152.31	134.4	
G55	123.67	115.19	142.88	131.17	150.79	161.16	130.36	142.08	123.67	
G56	113.84	105.76	132.78	120.84	140.91	150.34	120.53	131.57	113.84	
G57	104.55	96.47	123.04	111.42	131.21	139.65	110.74	121.74	104.55	
G58	94.99	87.58	113.08	101.77	121.16	130.0	101.72	111.69	94.99	
G59	86.28	78.65	103.25	92.92	110.88	119.68	92.56	101.95	86.28	
G60	77.3	70.25	93.95	83.81	101.9	109.94	84.08	92.61	77.3	
G61	68.82	62.08	84.8	75.01	92.47	100.28	75.46	83.72	68.82	
G62	60.47	54.36	75.37	66.53	83.23	90.9	67.16	74.74	60.47	
G63	52.61	46.37	66.93	58.45	74.47	82.1	59.34	66.21	52.61	
G64	44.93	39.23	58.81	50.5	66.44	73.62	51.62	58.27	44.93	
G65	37.71	32.46	51.0	42.69	58.31	65.0	43.95	50.64	37.71	
G66	31.06	26.35	42.91	35.73	50.55	56.97	36.68	42.74	31.06	
G67	24.78	20.29	36.09	29.04	42.83	49.24	30.12	35.82	24.78	
G68	18.99	15.31	29.58	23.07	36.05	41.48	24.24	29.36	18.99	
G69	14.23	10.46	23.66	17.73	29.54	34.79	18.67	23.61	14.23	
G70	9.83	6.42	18.54	12.88	23.88	28.64	13.6	18.63	9.83	
G71	5.84	2.83	13.65	8.66	18.58	22.71	9.29	13.92	5.84	
G72	2.6	0.67	9.34	4.76	13.83	17.55	5.52	9.61	2.6	
G73	0.36	0.0	5.93	1.57	9.47	12.97	2.24	6.15	0.36	

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