

Report No.:

Test Time: 2024/8/26 9:04:43

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: InBright
Luminaire Type: IBDL226CT115-13.4W
Lamp Type:
Luminous Width: 106 mm
Luminous Length: 106 mm
Luminous Height: 55 mm

Voltage(V): 220.00 V
Current(A): 0.1190 A
Power(W): 13.35 W
Power Factor: 0.5090
Lamp Luminous Flux: 984.87

Photometric Results

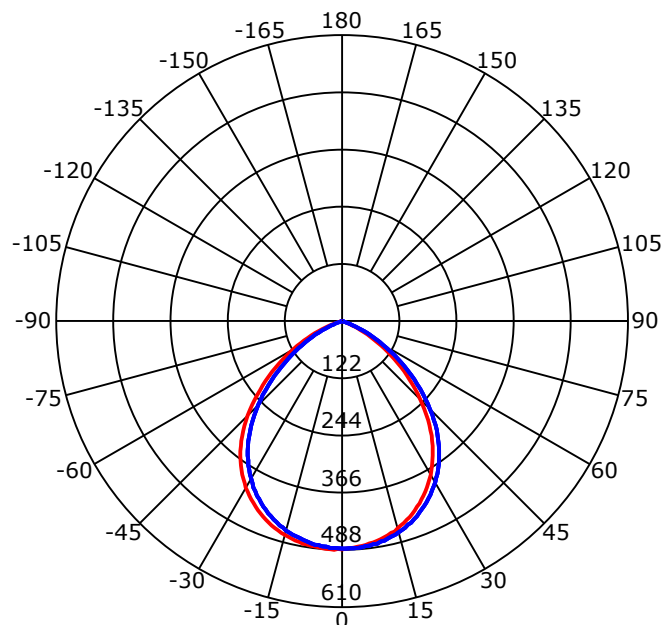
CIE Class: Direct
Luminaire Luminous Flux: 984.867 lm
Downward Ratio: 100.00%
Luminaire Efficacy Rating(LER): 73.77 lm/W
Beam Angle(50%) C0-180,C90-270: 92.9,92.9
Field Angle(10%) C0-180,C90-270: 131.1,130.5
S/MH C0-180,C90-270: 1.202,1.202

Max. Intensity: 488.33 cd
Max.Intensity Angle: C=180 Gamma=2
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 487.39 cd
Effective Luminous Flux: 966.07 lm
ERP(ϕ use)(120deg): 926.15 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 92.9 deg,92.9 deg

C0-180 — C90-270 —

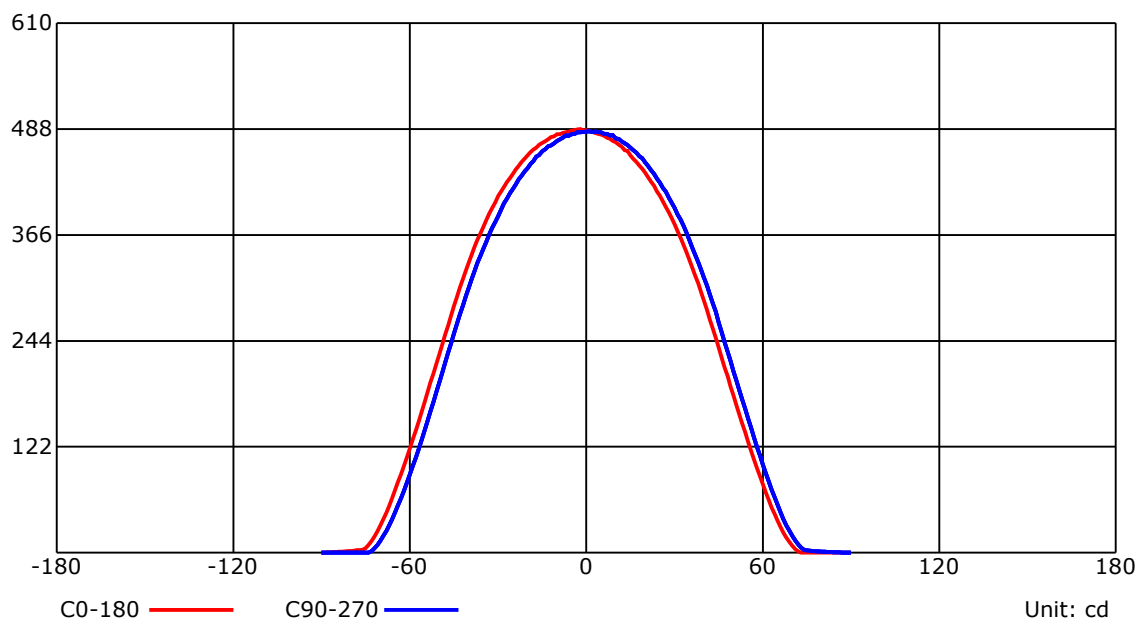
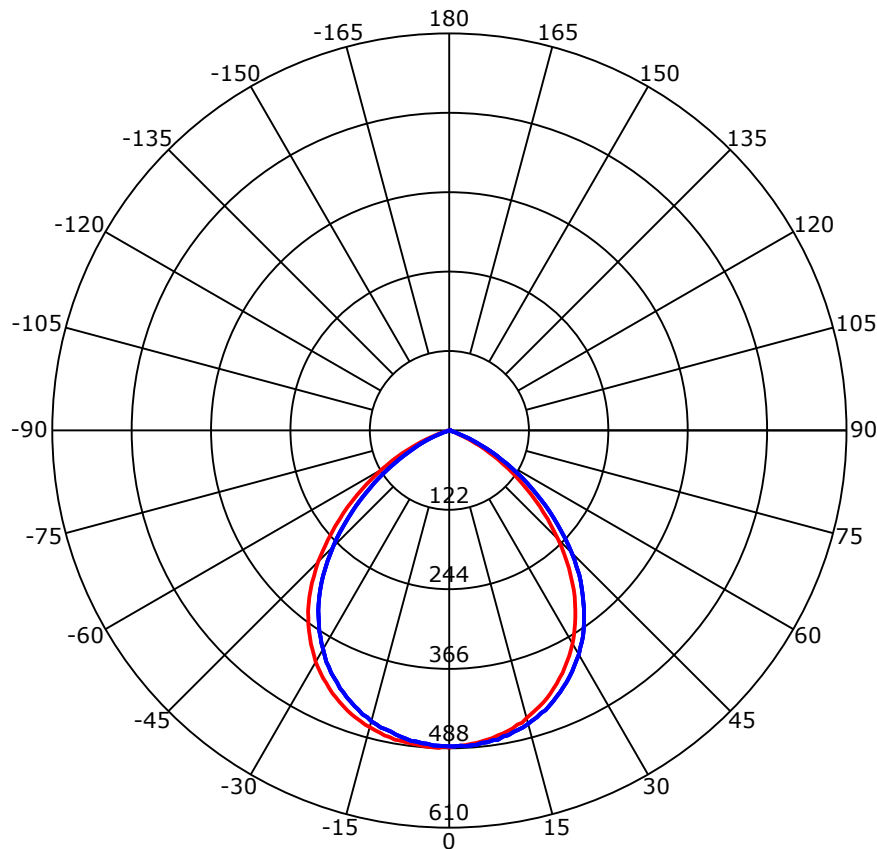
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/8/26 9:04:43

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.71 m
Remarks:

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Luminous Intensity Distribution Curve



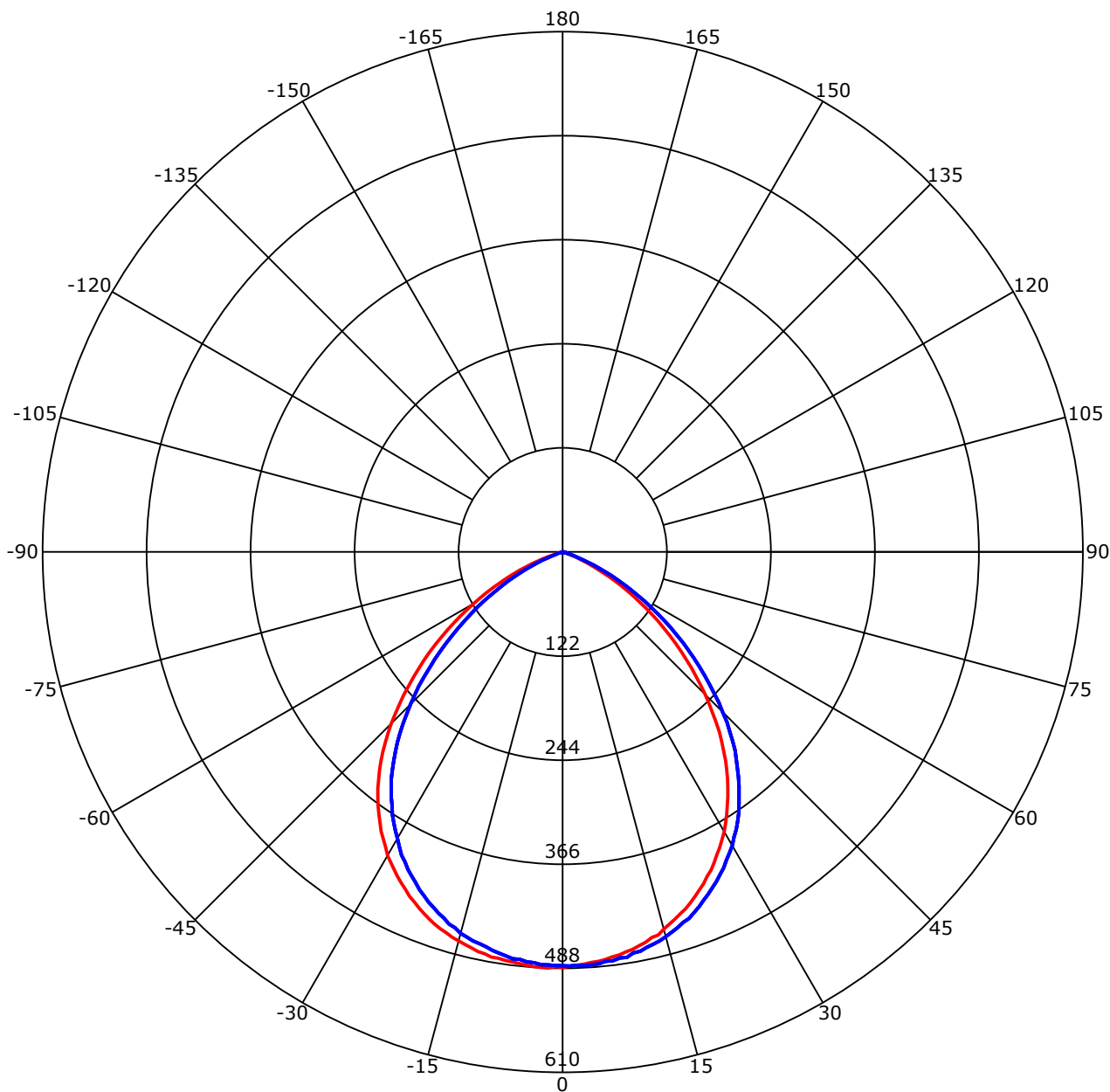
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Luminous Intensity Distribution Curve



C0-180 — C90-270

Unit: cd/klm

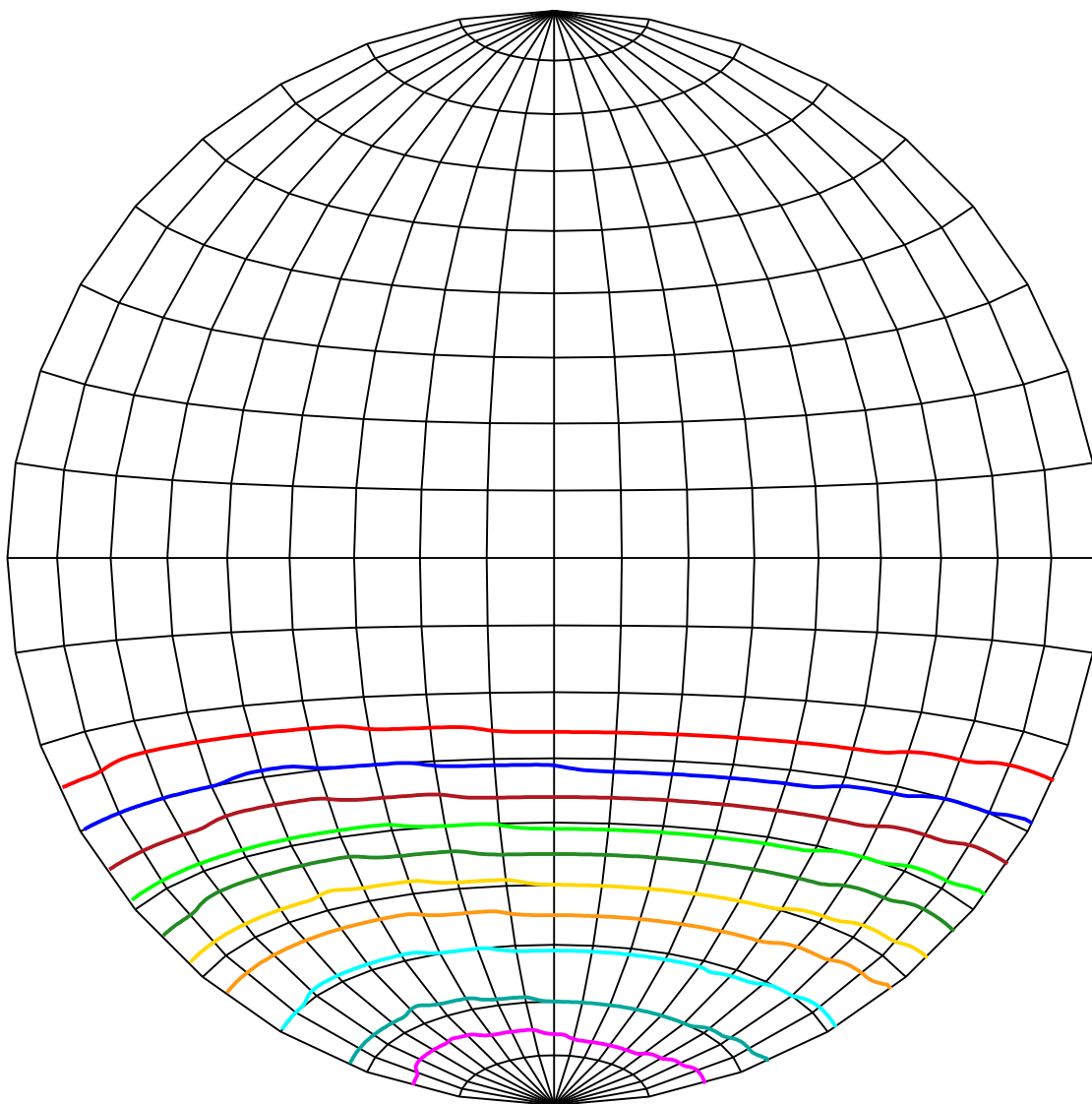
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ISOCANDELA DIAGRAM (SPHERE)



Unit of intensity:cd Imax(100%): 488.331 cd

463.915(95%Imax)	244.166(50%Imax)
439.498(90%Imax)	195.333(40%Imax)
390.665(80%Imax)	146.499(30%Imax)
341.832(70%Imax)	97.666(20%Imax)
292.999(60%Imax)	48.833(10%Imax)

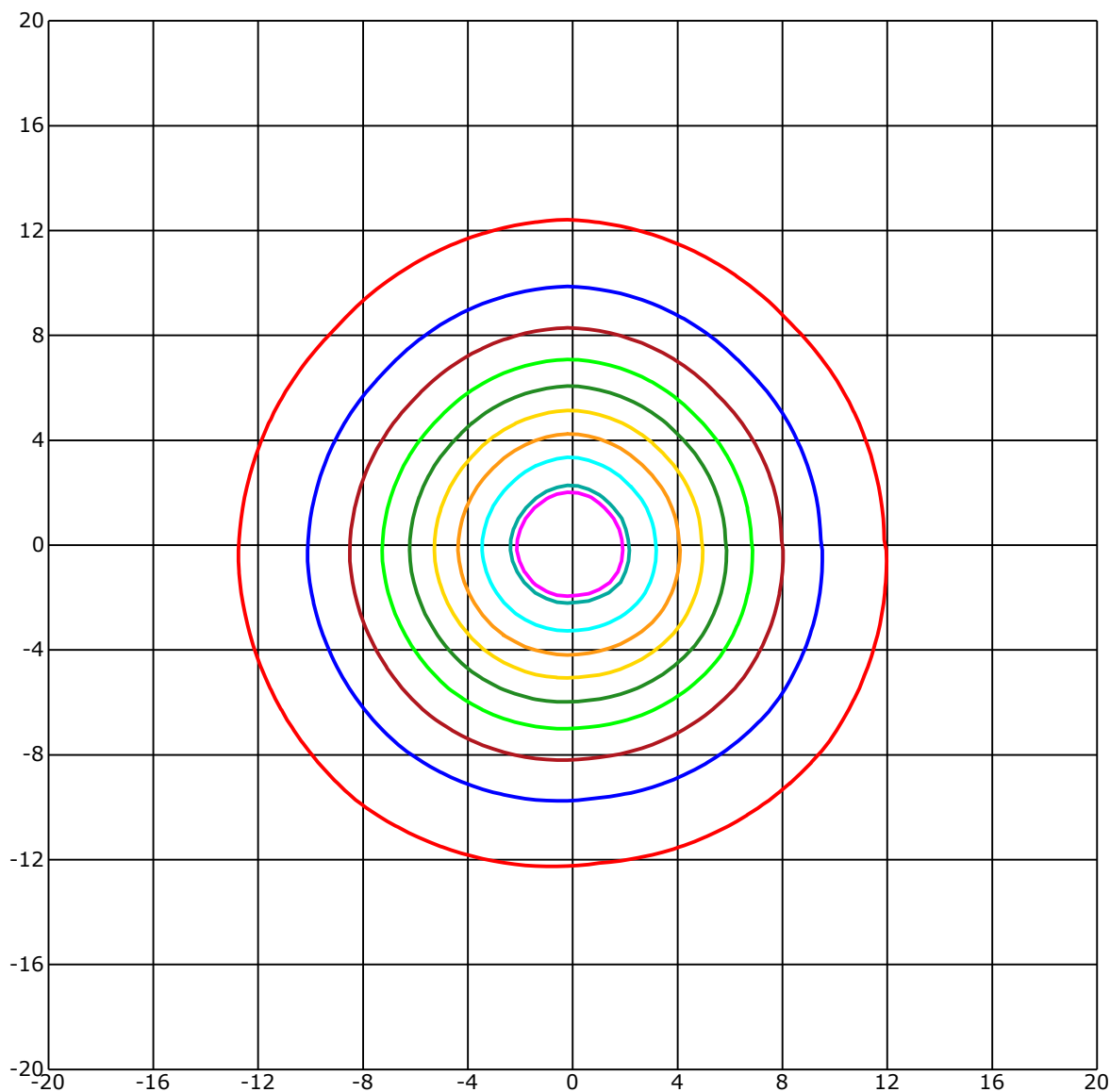
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ISOLX DIAGRAM



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

4.485(92%Emax)	2.438(50%Emax)
4.388(90%Emax)	1.95(40%Emax)
3.9(80%Emax)	1.463(30%Emax)
3.413(70%Emax)	0.975(20%Emax)
2.925(60%Emax)	0.488(10%Emax)

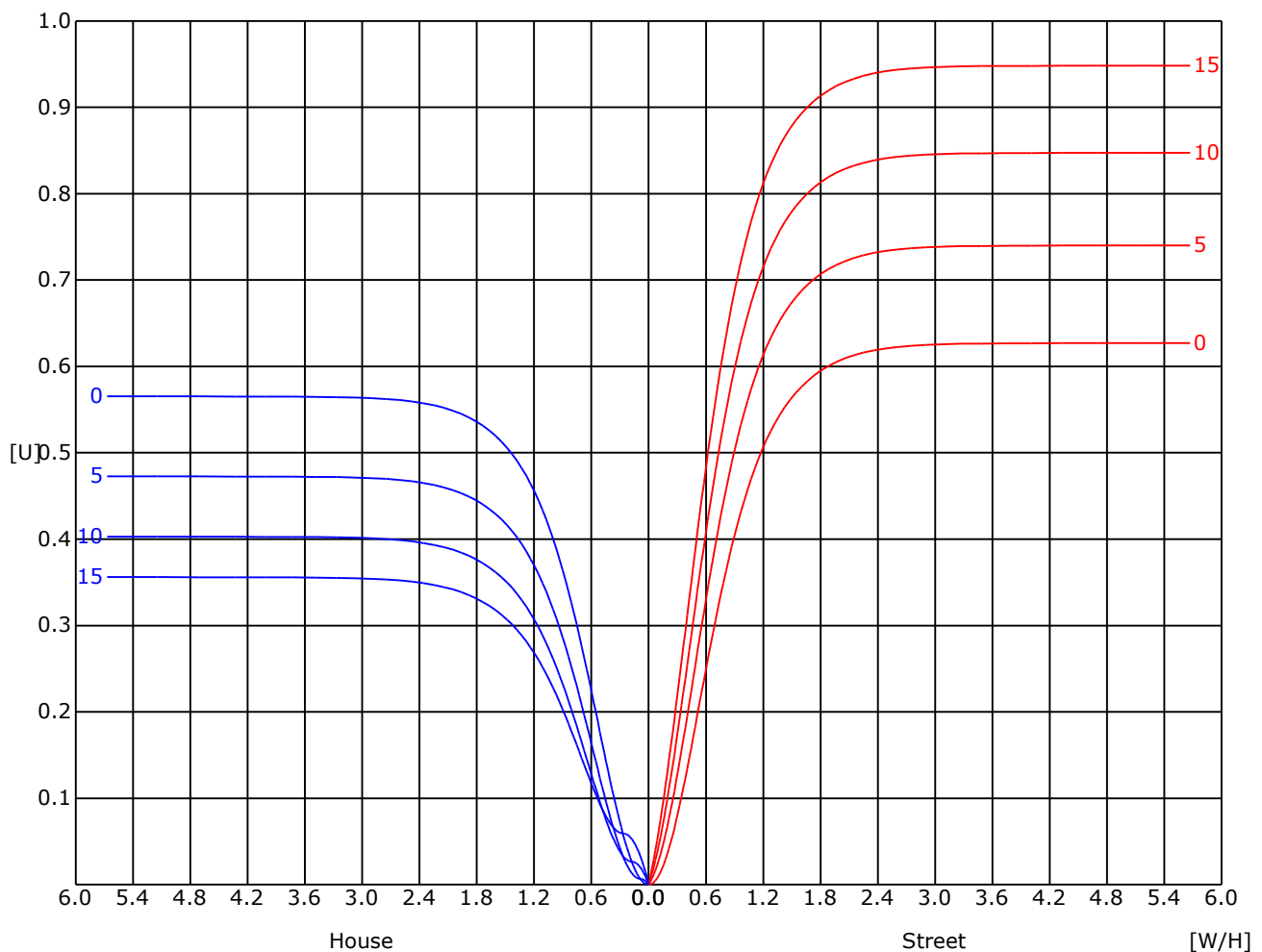
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UTILIZATION FACTOR DIAGRAM (ROAD)



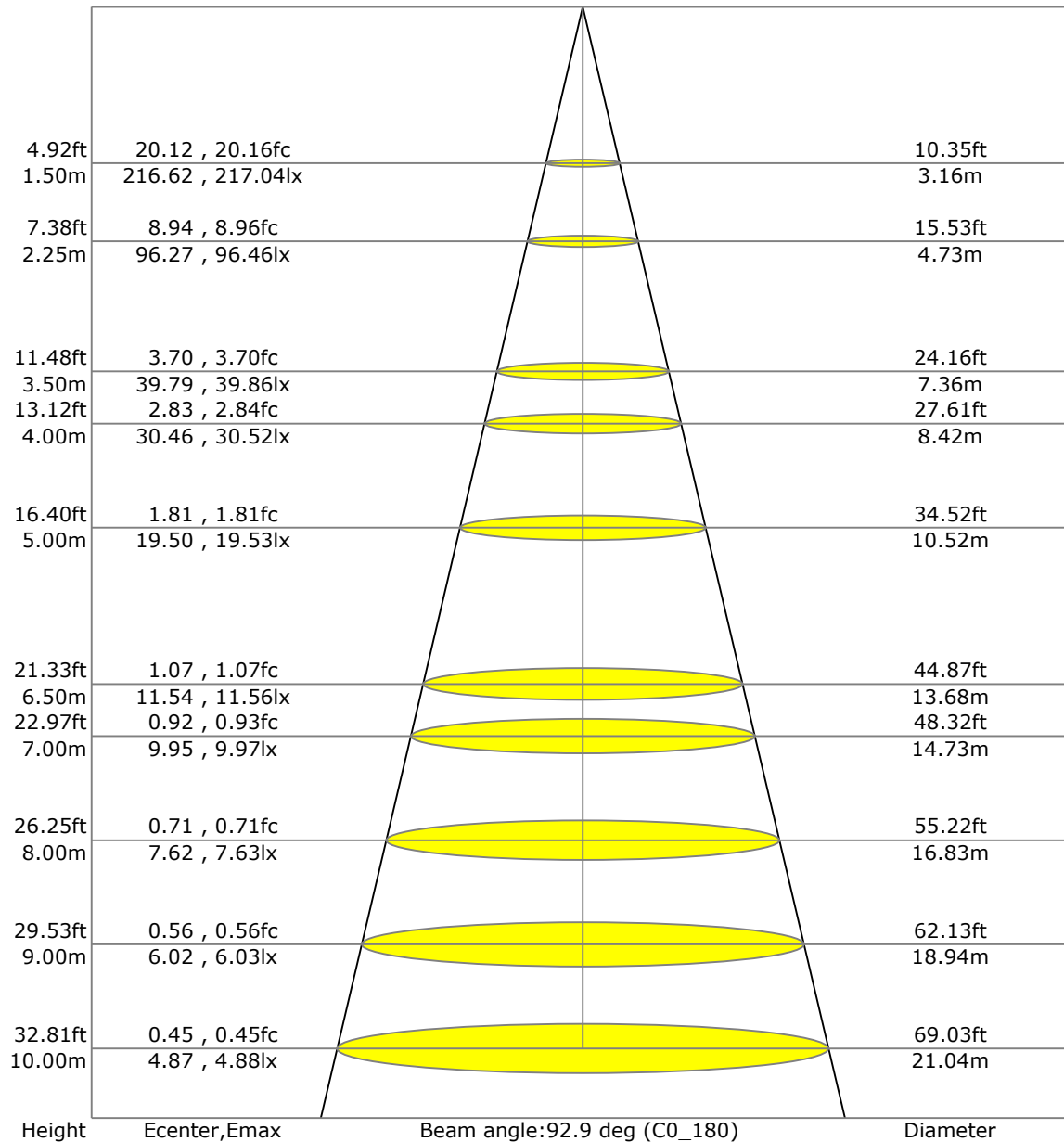
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LX-DISTANCE DIAGRAM



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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	18.56	18.62	18.76	18.81	19.05	18.86	18.93	19.06	19.11	19.36
3H	18.53	18.60	18.74	18.79	19.04	18.83	18.89	19.03	19.08	19.33
4H	18.51	18.57	18.72	18.77	19.02	18.80	18.86	19.01	19.06	19.31
6H	18.48	18.54	18.70	18.74	19.00	18.78	18.84	18.99	19.04	19.29
8H	18.47	18.53	18.69	18.73	18.99	18.76	18.82	18.98	19.03	19.28
12H	18.46	18.51	18.68	18.72	18.98	18.75	18.81	18.97	19.01	19.27
4H 2H	18.70	18.76	18.91	18.96	19.20	19.12	19.18	19.33	19.38	19.63
3H	18.66	18.72	18.88	18.93	19.18	19.08	19.14	19.30	19.34	19.60
4H	18.63	18.69	18.86	18.90	19.16	19.05	19.10	19.28	19.32	19.58
6H	18.60	18.65	18.84	18.87	19.14	19.02	19.07	19.25	19.29	19.55
8H	18.58	18.63	18.83	18.86	19.13	19.00	19.05	19.24	19.28	19.54
12H	18.57	18.61	18.81	18.85	19.12	18.98	19.03	19.23	19.26	19.53
8H 4H	18.66	18.72	18.88	18.92	19.17	19.08	19.14	19.30	19.34	19.60
6H	18.55	18.59	18.80	18.83	19.10	18.96	19.01	19.22	19.25	19.52
8H	18.53	18.57	18.79	18.82	19.09	18.94	18.99	19.21	19.23	19.51
12H	18.51	18.55	18.78	18.80	19.08	18.92	18.96	19.19	19.22	19.50
12H 4H	18.57	18.61	18.81	18.85	19.12	18.98	19.03	19.23	19.26	19.53
6H	18.53	18.57	18.79	18.82	19.09	18.95	18.99	19.21	19.23	19.51

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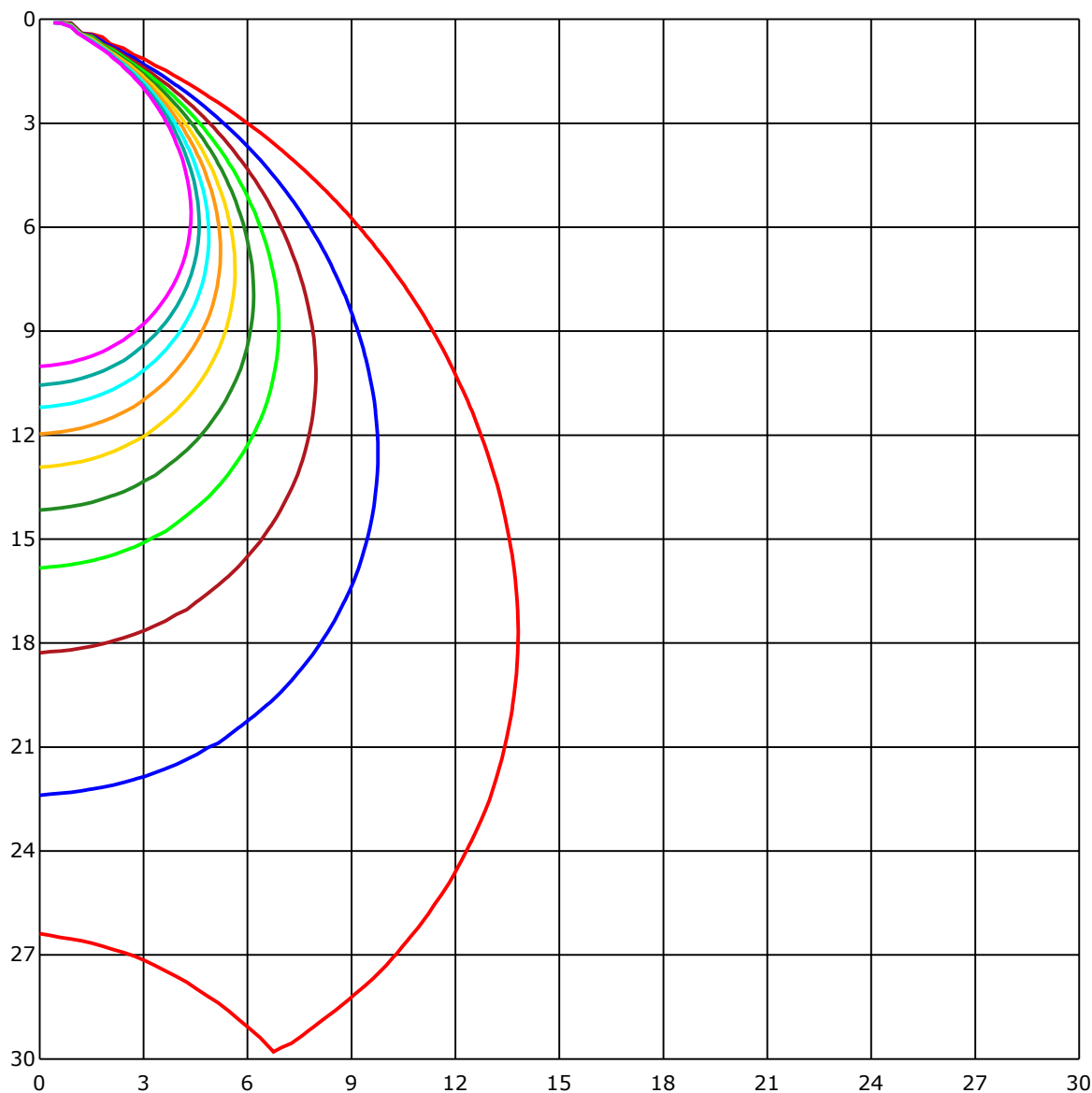
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SPACE ISOLX DIAGRAM



4.86	2.43
4.374	1.944
3.888	1.458
3.402	0.972
2.916	0.486

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LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	487.39	484.41	485.36	487.52	487.39	484.41	485.36	487.52	487.39	
G1	485.77	485.4	485.81	486.08	486.35	484.82	485.09	485.95	485.77	
G2	485.04	483.96	485.04	487.03	488.33	484.95	484.68	485.95	485.04	
G3	484.1	482.66	485.54	485.04	487.93	485.18	484.77	485.49	484.1	
G4	482.66	481.31	485.13	486.35	487.43	485.27	482.88	484.77	482.66	
G5	482.07	480.72	484.82	484.14	486.58	484.82	482.61	485.54	482.07	
G6	480.54	479.33	482.88	483.11	485.27	484.46	480.59	483.02	480.54	
G7	478.56	477.17	482.97	481.94	484.5	483.29	480.9	481.49	478.56	
G8	477.17	475.05	480.95	481.17	483.83	482.21	478.38	480.9	477.17	
G9	474.73	474.42	481.31	480.36	482.43	480.54	476.58	479.1	474.73	
G10	473.25	471.09	477.48	478.29	482.57	479.78	474.69	477.39	473.25	
G11	470.32	469.78	477.08	476.49	480.0	478.52	471.76	475.41	470.32	
G12	468.07	467.85	473.92	474.1	479.1	475.27	469.6	474.37	468.07	
G13	464.11	463.12	472.03	471.13	476.45	473.52	468.3	473.2	464.11	
G14	463.12	459.97	470.05	469.24	474.46	471.0	465.23	469.38	463.12	
G15	458.03	458.08	466.99	465.77	472.35	469.02	463.03	466.0	458.03	
G16	454.02	454.25	463.84	463.84	470.23	466.4	458.48	464.06	454.02	
G17	450.33	449.7	461.0	459.61	466.94	463.57	456.5	459.74	450.33	
G18	446.14	445.6	456.95	457.17	464.74	461.54	451.41	456.41	446.14	
G19	442.68	441.51	454.74	453.08	461.63	457.58	448.08	452.0	442.68	
G20	438.08	435.92	450.11	449.61	458.21	455.1	443.4	448.98	438.08	
G21	433.0	431.51	445.87	444.07	454.25	449.75	439.66	444.75	433.0	
G22	427.5	426.06	440.83	440.56	450.38	446.46	434.62	440.2	427.5	
G23	422.91	421.34	436.55	434.8	445.83	443.22	430.48	435.74	422.91	
G24	416.43	415.12	431.29	430.43	442.0	437.59	424.35	430.12	416.43	
G25	411.57	410.57	426.74	424.31	436.78	432.55	419.17	425.16	411.57	
G26	405.22	404.09	420.98	419.89	431.83	428.99	414.49	419.4	405.22	
G27	398.37	397.65	415.89	414.09	427.05	422.78	407.87	413.77	398.37	
G28	392.39	390.63	409.4	407.65	421.61	417.01	402.83	408.19	392.39	
G29	385.68	384.42	403.51	401.89	416.29	411.57	395.18	402.16	385.68	
G30	378.92	378.25	397.7	395.22	411.07	405.04	387.79	395.18	378.92	
G31	370.91	369.42	390.22	387.43	403.78	400.76	381.4	388.15	370.91	
G32	362.98	361.41	384.06	379.91	397.38	392.52	374.15	381.67	362.98	
G33	354.65	353.39	376.9	372.03	391.03	386.71	366.95	373.66	354.65	
G34	346.64	344.84	369.2	364.11	383.52	379.87	358.39	365.73	346.64	
G35	337.86	336.78	360.69	356.73	375.95	372.12	350.83	357.22	337.86	
G36	328.95	327.64	351.91	347.72	368.43	363.93	342.45	349.43	328.95	

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Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	319.81	318.68	343.8	338.67	360.55	357.27	334.17	340.47	319.81	
G38	310.44	308.82	334.84	329.98	352.49	347.9	324.67	332.28	310.44	
G39	300.27	299.37	325.79	320.44	343.49	340.88	315.12	322.96	300.27	
G40	290.05	289.23	316.79	310.49	334.57	331.92	305.44	313.23	290.05	
G41	280.09	278.88	308.24	300.67	325.3	322.51	295.81	303.78	280.09	
G42	268.84	267.85	298.01	289.91	315.48	312.83	285.0	293.6	268.84	
G43	257.76	256.73	286.94	278.92	305.17	302.88	274.47	282.53	257.76	
G44	247.45	245.79	277.53	268.79	294.68	292.75	263.48	271.41	247.45	
G45	236.24	235.03	265.24	257.0	284.78	283.56	252.81	261.64	236.24	
G46	224.94	224.18	254.52	246.51	273.52	272.04	241.51	249.52	224.94	
G47	213.86	213.1	243.09	235.88	262.18	261.27	231.24	238.04	213.86	
G48	203.46	202.11	231.6	223.95	251.23	249.7	218.64	227.42	203.46	
G49	191.44	191.08	220.71	212.65	239.8	239.35	207.11	215.31	191.44	
G50	181.31	179.65	209.14	201.08	228.68	228.36	196.22	205.04	181.31	
G51	170.33	169.29	198.65	190.41	217.69	217.56	185.27	193.6	170.33	
G52	159.7	158.08	187.62	179.47	206.93	206.66	173.75	182.89	159.7	
G53	149.07	147.0	176.81	168.62	196.13	195.13	162.63	171.77	149.07	
G54	138.4	136.6	165.28	158.48	184.51	184.24	151.28	161.14	138.4	
G55	127.55	125.84	154.21	147.09	173.16	172.76	140.79	150.2	127.55	
G56	117.6	115.94	143.9	136.92	162.4	161.32	130.16	139.57	117.6	
G57	107.47	105.27	132.96	126.88	151.55	150.47	119.85	129.49	107.47	
G58	97.88	95.41	122.11	117.24	140.93	139.93	109.59	119.45	97.88	
G59	88.11	86.0	112.02	106.66	130.39	128.86	99.68	109.0	88.11	
G60	78.57	76.68	101.35	97.39	120.21	117.78	90.05	99.91	78.57	
G61	69.61	67.72	91.62	87.66	109.95	107.65	80.95	90.09	69.61	
G62	60.96	58.98	82.53	78.25	100.54	97.34	71.72	80.95	60.96	
G63	52.27	51.01	72.76	69.02	90.9	87.62	63.26	71.9	52.27	
G64	44.3	42.73	63.62	60.02	81.63	78.07	54.84	63.21	44.3	
G65	36.69	35.48	55.02	51.46	72.49	69.02	46.69	54.7	36.69	
G66	29.67	28.37	46.42	42.77	63.35	60.06	38.9	46.19	29.67	
G67	23.14	22.06	38.54	35.03	54.52	51.87	31.7	38.63	23.14	
G68	17.47	16.48	31.56	28.14	46.1	43.76	25.26	31.74	17.47	
G69	12.38	11.39	25.17	21.52	38.41	36.11	19.27	25.35	12.38	
G70	7.88	6.98	19.32	15.71	31.29	29.4	13.87	19.5	7.88	
G71	4.32	3.56	14.0	10.45	24.67	23.14	9.14	14.27	4.32	
G72	1.44	0.9	9.55	6.08	18.82	17.38	5.18	10.04	1.44	
G73	0.18	0.0	6.03	2.52	13.64	12.52	1.8	6.3	0.18	

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