

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-850U-L15-850D-XXX-DIM-UNV-W-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W4CR_BARBARA-WIDE DIST
[TESTLAB] LEDIL Inc
[TESTDATE] 08/01/2025
[ISSUE DATE] 2025-08-01
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] W4CRDI-xx-L15-850U-L15-850D-xxx-DIM-UNV-W-xx
[LUMINAIRE] 4 INCH ROUND OUTDOOR LED CYLINDER
[MORE] DIRECT/INDIRECT W/WIDE DISTRIBUTION
[MORE] 0-10V LED DRIVER

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3097
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1932.322
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1932.322
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.482 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.331 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-850U-L15-850D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	593.7	N.A.	19.2
FM - Front-Medium (30-60)	172.7	N.A.	5.6
FH - Front-High (60-80)	7.3	N.A.	0.2
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	593.7	N.A.	19.2
BM - Back-Medium (30-60)	172.7	N.A.	5.6
BH - Back-High (60-80)	7.3	N.A.	0.2
BVH - Back-Very High (80-90)	0.5	N.A.	0.0
UL - Uplight-Low (90-100)	1.0	N.A.	0.0
UH - Uplight-High (100-180)	1547.3	N.A.	50.0
Total	3096.7	N.A.	100.0
BUG Rating	B2-U5-G0		

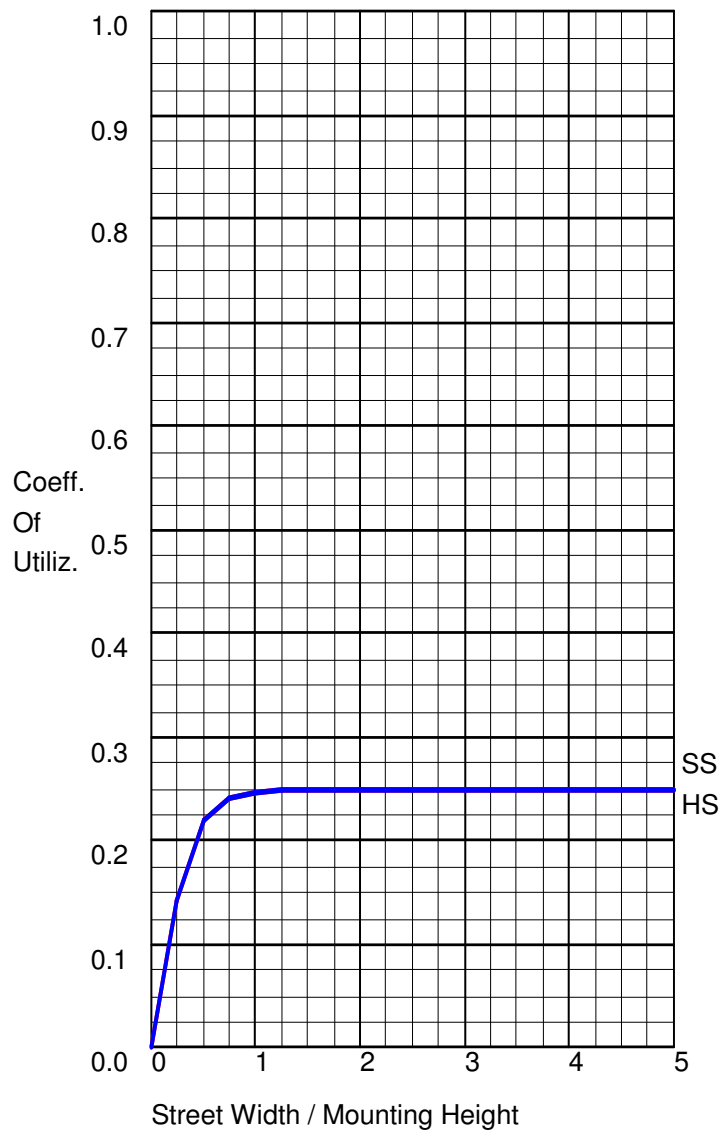
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CANDELA TABULATION

Vert. Angles	Horizontal Angles								
	<u>0</u>	<u>45</u>	<u>90</u>	<u>135</u>	<u>180</u>	<u>225</u>	<u>270</u>	<u>315</u>	<u>360</u>
0	1932.322	1932.322	1932.322	1932.322	1932.322	1932.322	1932.322	1932.322	1932.322
5	1923.617	1921.097	1925.011	1921.097	1923.617	1921.097	1925.011	1921.097	1923.617
10	1876.643	1876.064	1874.256	1876.064	1876.643	1876.064	1874.256	1876.064	1876.643
15	1722.708	1719.053	1722.238	1719.053	1722.708	1719.053	1722.238	1719.053	1722.708
20	1461.301	1459.579	1465.157	1459.579	1461.301	1459.579	1465.157	1459.579	1461.301
25	1171.703	1172.421	1176.530	1172.421	1171.703	1172.421	1176.530	1172.421	1171.703
30	823.265	832.706	830.898	832.706	823.265	832.706	830.898	832.706	823.265
35	402.155	409.082	417.392	409.082	402.155	409.082	417.392	409.082	402.155
40	131.318	135.989	142.480	135.989	131.318	135.989	142.480	135.989	131.318
45	49.274	52.350	56.115	52.350	49.274	52.350	56.115	52.350	49.274
50	29.596	30.818	32.241	30.818	29.596	30.818	32.241	30.818	29.596
55	21.188	21.773	22.261	21.773	21.188	21.773	22.261	21.773	21.188
60	14.915	15.145	15.346	15.145	14.915	15.145	15.346	15.145	14.915
65	10.032	10.060	10.169	10.060	10.032	10.060	10.169	10.060	10.032
70	6.749	6.703	6.703	6.703	6.749	6.703	6.703	6.703	6.749
75	3.966	3.857	3.839	3.857	3.966	3.857	3.839	3.857	3.966
80	1.331	1.320	1.297	1.320	1.331	1.320	1.297	1.320	1.331
85	0.976	0.964	0.947	0.964	0.976	0.964	0.947	0.964	0.976
90	0.482	0.459	0.402	0.459	0.482	0.459	0.402	0.459	0.482
95	0.976	0.964	0.947	0.964	0.976	0.964	0.947	0.964	0.976
100	1.331	1.320	1.297	1.320	1.331	1.320	1.297	1.320	1.331
105	3.966	3.857	3.839	3.857	3.966	3.857	3.839	3.857	3.966
110	6.749	6.703	6.703	6.703	6.749	6.703	6.703	6.703	6.749
115	10.032	10.060	10.169	10.060	10.032	10.060	10.169	10.060	10.032
120	14.915	15.145	15.346	15.145	14.915	15.145	15.346	15.145	14.915
125	21.188	21.773	22.261	21.773	21.188	21.773	22.261	21.773	21.188
130	29.596	30.818	32.241	30.818	29.596	30.818	32.241	30.818	29.596
135	49.274	52.350	56.115	52.350	49.274	52.350	56.115	52.350	49.274
140	131.318	135.989	142.480	135.989	131.318	135.989	142.480	135.989	131.318
145	402.155	409.082	417.392	409.082	402.155	409.082	417.392	409.082	402.155
150	823.265	832.706	830.898	832.706	823.265	832.706	830.898	832.706	823.265
155	1171.703	1172.421	1176.530	1172.421	1171.703	1172.421	1176.530	1172.421	1171.703
160	1461.301	1459.579	1465.157	1459.579	1461.301	1459.579	1465.157	1459.579	1461.301
165	1722.708	1719.053	1722.238	1719.053	1722.708	1719.053	1722.238	1719.053	1722.708
170	1876.643	1876.064	1874.256	1876.064	1876.643	1876.064	1874.256	1876.064	1876.643
175	1923.617	1921.097	1925.011	1921.097	1923.617	1921.097	1925.011	1921.097	1923.617
180	1932.294	1932.294	1932.294	1932.294	1932.294	1932.294	1932.294	1932.294	1932.294

COEFFICIENTS OF UTILIZATION



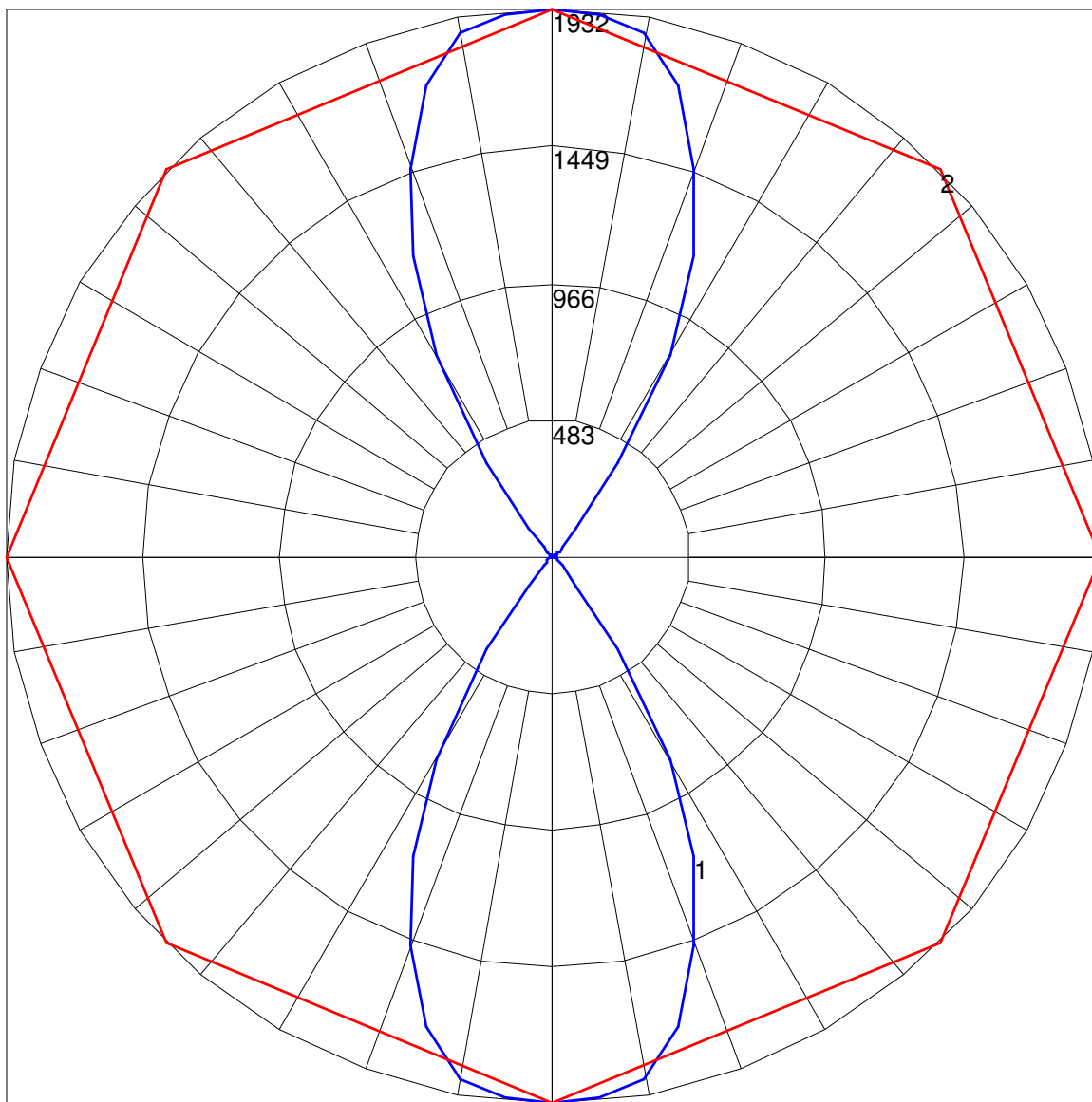
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	774.2	25.0
Downward House Side	774.2	25.0
Downward Total	1548.4	50.0
Upward Street Side	774.2	25.0
Upward House Side	774.2	25.0
Upward Total	1548.4	50.0
Total Flux	3096.8	100.0

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POLAR GRAPH

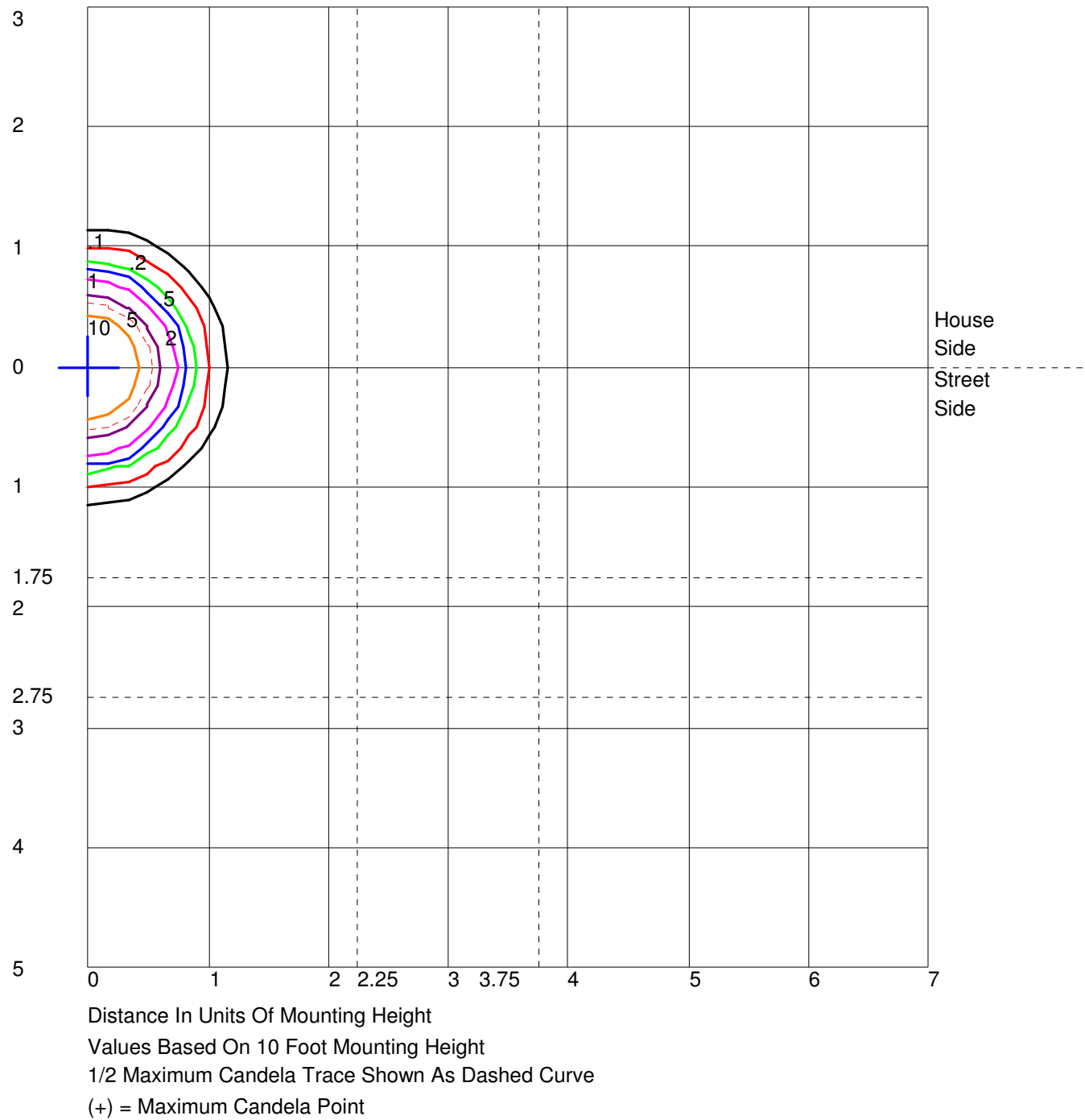


Maximum Candela = 1932.322 Located At Horizontal Angle = 360, Vertical Angle = 0

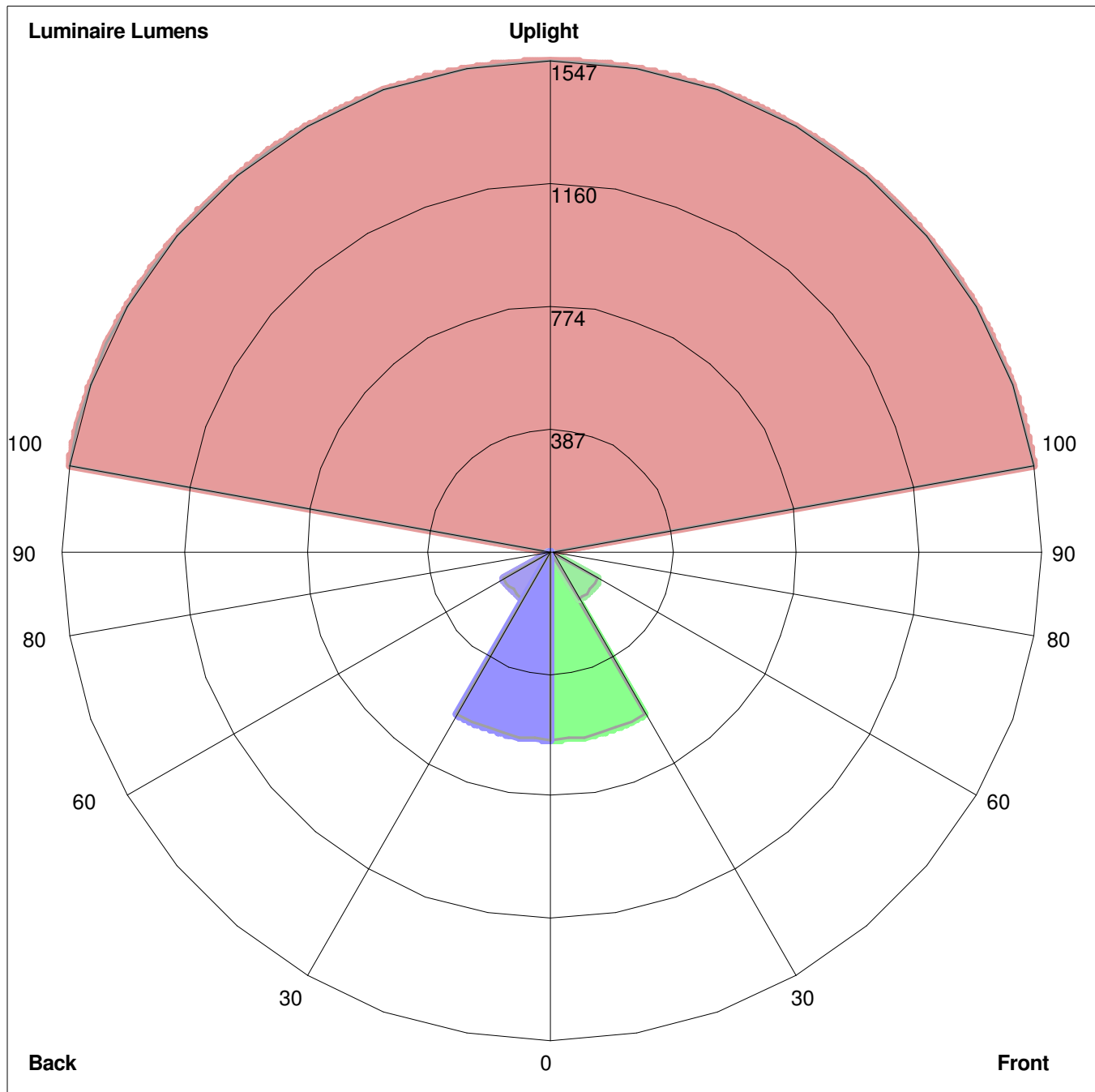
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=593.7, Medium=172.7, High=7.3, Very High=0.5
Back: Low=593.7, Medium=172.7, High=7.3, Very High=0.5
Uplight: Low=1.0, High=1547.3

BUG Rating : B2-U5-G0