

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-935U-L15-935D-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
[ISSUEDATE] 2025-08-01
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] W4CRDI-xx-L15-935U-L15-935D-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	3003
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1873.767
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1873.767
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.467 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.291 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-935U-L15-935D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	575.7	N.A.	19.2
FM - Front-Medium (30-60)	167.5	N.A.	5.6
FH - Front-High (60-80)	7.1	N.A.	0.2
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	575.7	N.A.	19.2
BM - Back-Medium (30-60)	167.5	N.A.	5.6
BH - Back-High (60-80)	7.1	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)	1500.4	N.A.	50.0
Total	3003.0	N.A.	100.0
BUG Rating	B2-U5-G0		

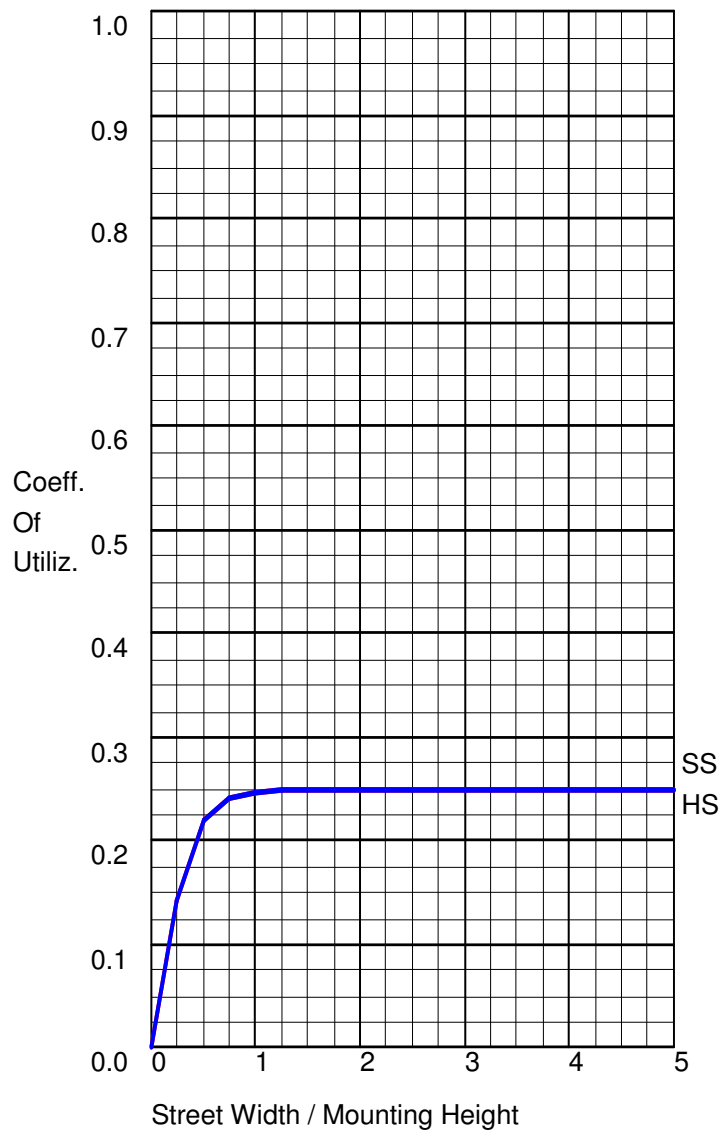
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CANDELA TABULATION

Vert. Angles	Horizontal Angles								
	0	45	90	135	180	225	270	315	360
0	1873.767	1873.767	1873.767	1873.767	1873.767	1873.767	1873.767	1873.767	1873.767
5	1865.325	1862.882	1866.677	1862.882	1865.325	1862.882	1866.677	1862.882	1865.325
10	1819.775	1819.213	1817.460	1819.213	1819.775	1819.213	1817.460	1819.213	1819.775
15	1670.505	1666.960	1670.049	1666.960	1670.505	1666.960	1670.049	1666.960	1670.505
20	1417.019	1415.349	1420.758	1415.349	1417.019	1415.349	1420.758	1415.349	1417.019
25	1136.197	1136.893	1140.877	1136.893	1136.197	1136.893	1140.877	1136.893	1136.197
30	798.318	807.472	805.719	807.472	798.318	807.472	805.719	807.472	798.318
35	389.968	396.685	404.743	396.685	389.968	396.685	404.743	396.685	389.968
40	127.339	131.868	138.163	131.868	127.339	131.868	138.163	131.868	127.339
45	47.781	50.764	54.415	50.764	47.781	50.764	54.415	50.764	47.781
50	28.699	29.884	31.264	29.884	28.699	29.884	31.264	29.884	28.699
55	20.546	21.114	21.587	21.114	20.546	21.114	21.587	21.114	20.546
60	14.463	14.686	14.881	14.686	14.463	14.686	14.881	14.686	14.463
65	9.728	9.755	9.861	9.755	9.728	9.755	9.861	9.755	9.728
70	6.544	6.500	6.500	6.500	6.544	6.500	6.500	6.500	6.544
75	3.845	3.740	3.723	3.740	3.845	3.740	3.723	3.740	3.845
80	1.291	1.280	1.258	1.280	1.291	1.280	1.258	1.280	1.291
85	0.946	0.935	0.918	0.935	0.946	0.935	0.918	0.935	0.946
90	0.467	0.445	0.390	0.445	0.467	0.445	0.390	0.445	0.467
95	0.946	0.935	0.918	0.935	0.946	0.935	0.918	0.935	0.946
100	1.291	1.280	1.258	1.280	1.291	1.280	1.258	1.280	1.291
105	3.845	3.740	3.723	3.740	3.845	3.740	3.723	3.740	3.845
110	6.544	6.500	6.500	6.500	6.544	6.500	6.500	6.500	6.544
115	9.728	9.755	9.861	9.755	9.728	9.755	9.861	9.755	9.728
120	14.463	14.686	14.881	14.686	14.463	14.686	14.881	14.686	14.463
125	20.546	21.114	21.587	21.114	20.546	21.114	21.587	21.114	20.546
130	28.699	29.884	31.264	29.884	28.699	29.884	31.264	29.884	28.699
135	47.781	50.764	54.415	50.764	47.781	50.764	54.415	50.764	47.781
140	127.339	131.868	138.163	131.868	127.339	131.868	138.163	131.868	127.339
145	389.968	396.685	404.743	396.685	389.968	396.685	404.743	396.685	389.968
150	798.318	807.472	805.719	807.472	798.318	807.472	805.719	807.472	798.318
155	1136.197	1136.893	1140.877	1136.893	1136.197	1136.893	1140.877	1136.893	1136.197
160	1417.019	1415.349	1420.758	1415.349	1417.019	1415.349	1420.758	1415.349	1417.019
165	1670.505	1666.960	1670.049	1666.960	1670.505	1666.960	1670.049	1666.960	1670.505
170	1819.775	1819.213	1817.460	1819.213	1819.775	1819.213	1817.460	1819.213	1819.775
175	1865.325	1862.882	1866.677	1862.882	1865.325	1862.882	1866.677	1862.882	1865.325
180	1873.739	1873.739	1873.739	1873.739	1873.739	1873.739	1873.739	1873.739	1873.739

COEFFICIENTS OF UTILIZATION



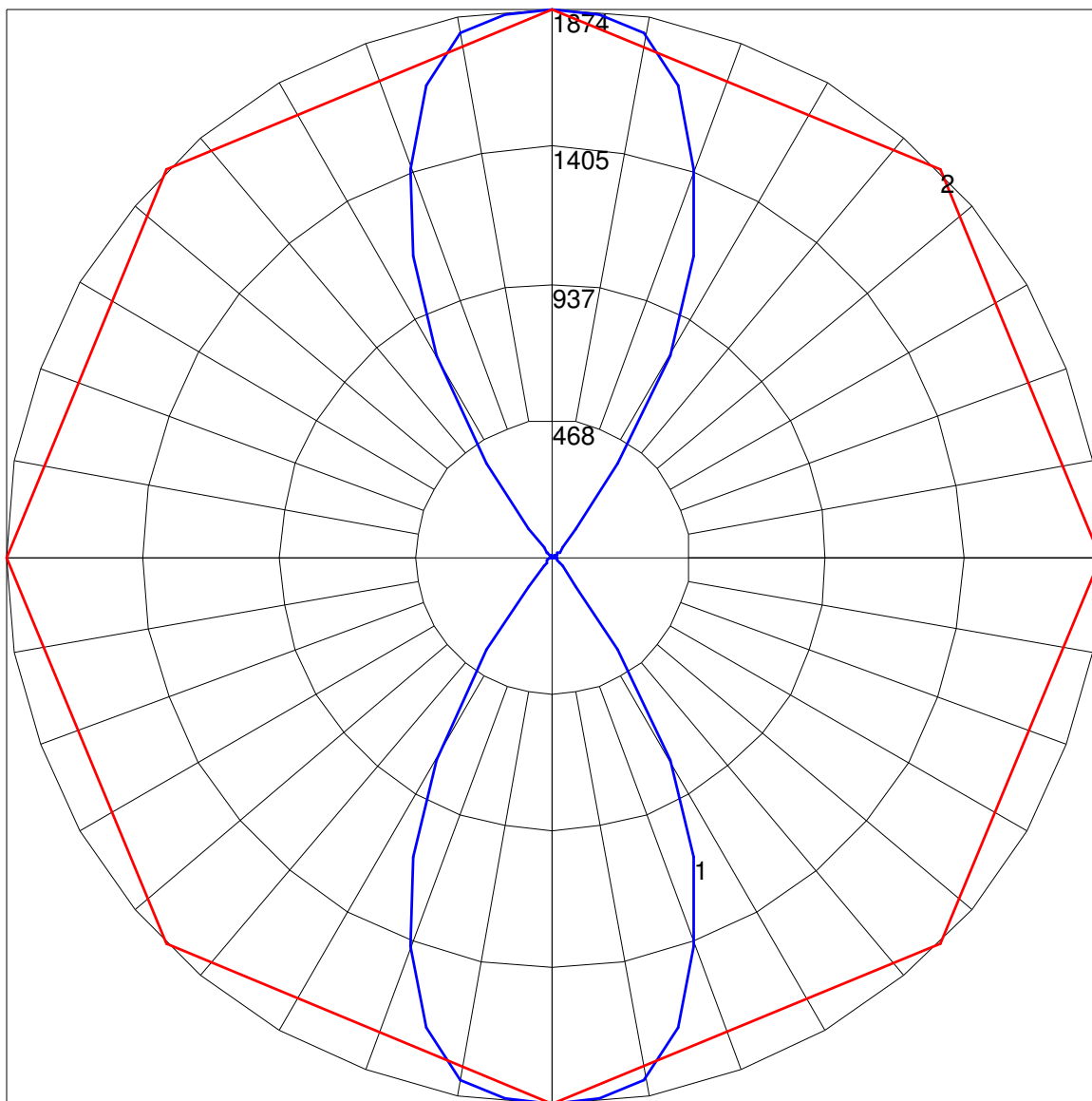
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	750.7	25.0
Downward House Side	750.7	25.0
Downward Total	1501.4	50.0
Upward Street Side	750.7	25.0
Upward House Side	750.7	25.0
Upward Total	1501.4	50.0
Total Flux	3002.8	100.0

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POLAR GRAPH

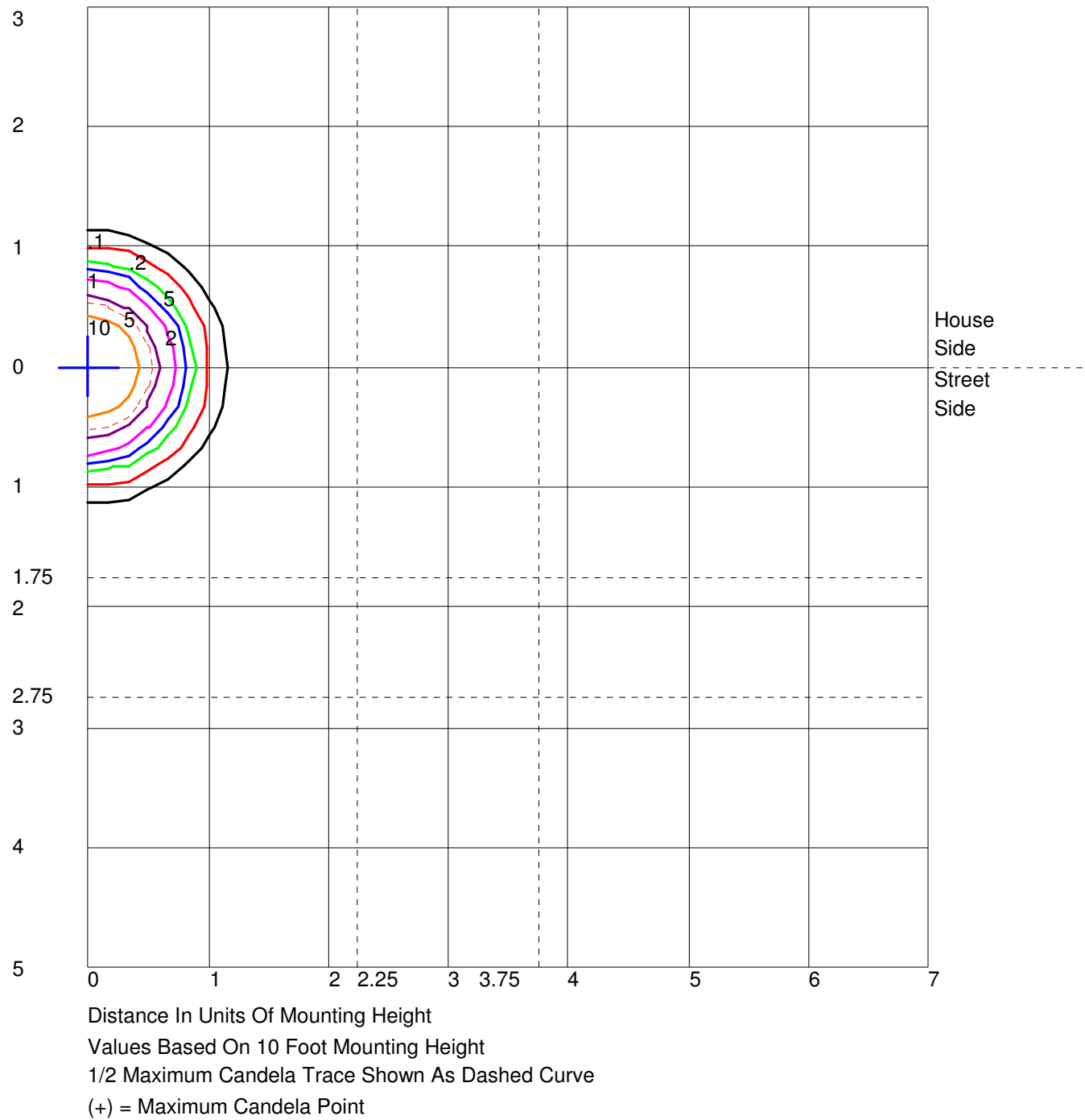


Maximum Candela = 1873.767 Located At Horizontal Angle = 360, Vertical Angle = 0

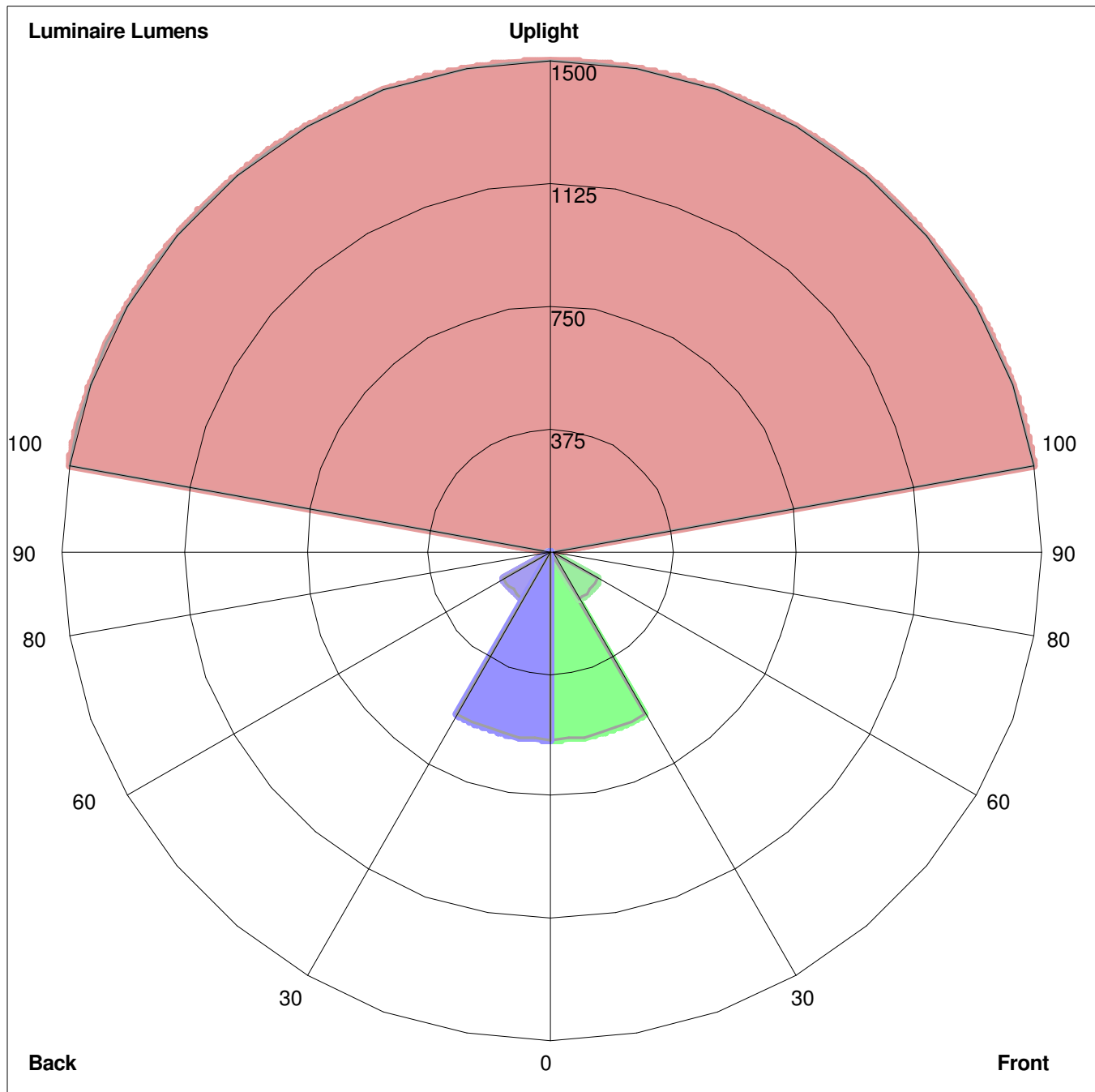
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=575.7, Medium=167.5, High=7.1, Very High=0.5
Back: Low=575.7, Medium=167.5, High=7.1, Very High=0.5
Uplight: Low=1.0, High=1500.4

BUG Rating : B2-U5-G0