

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-840U-L15-840D-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-L15-840U-L15-840D-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	3159
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1971.359
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1971.359
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.492 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.358 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-840U-L15-840D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	605.7	N.A.	19.2
FM - Front-Medium (30-60)	176.2	N.A.	5.6
FH - Front-High (60-80)	7.4	N.A.	0.2
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	605.7	N.A.	19.2
BM - Back-Medium (30-60)	176.2	N.A.	5.6
BH - Back-High (60-80)	7.4	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)	1578.6	N.A.	50.0
Total	3159.2	N.A.	100.0
BUG Rating	B2-U5-G0		

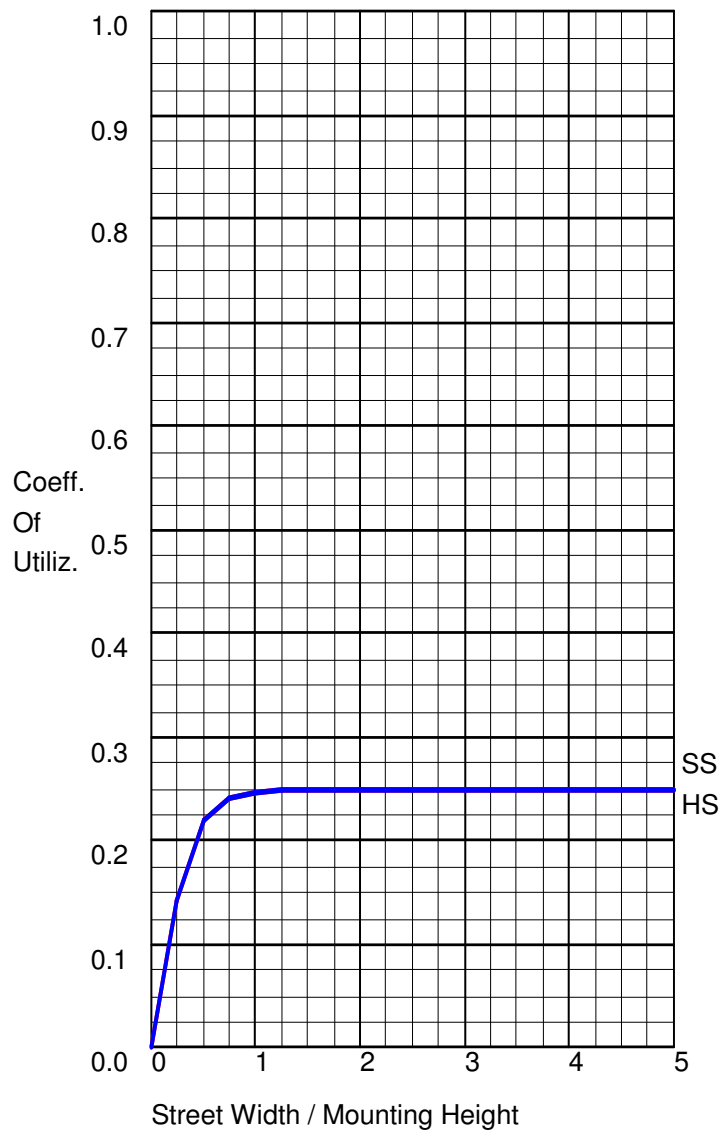
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CANDELA TABULATION

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	1971.359	1971.359	1971.359	1971.359	1971.359	1971.359	1971.359	1971.359	1971.359
5	1962.477	1959.907	1963.900	1959.907	1962.477	1959.907	1963.900	1959.907	1962.477
10	1914.555	1913.964	1912.120	1913.964	1914.555	1913.964	1912.120	1913.964	1914.555
15	1757.510	1753.781	1757.030	1753.781	1757.510	1753.781	1757.030	1753.781	1757.510
20	1490.822	1489.065	1494.756	1489.065	1490.822	1489.065	1494.756	1489.065	1490.822
25	1195.374	1196.106	1200.298	1196.106	1195.374	1196.106	1200.298	1196.106	1195.374
30	839.897	849.528	847.683	849.528	839.897	849.528	847.683	849.528	839.897
35	410.279	417.346	425.824	417.346	410.279	417.346	425.824	417.346	410.279
40	133.971	138.737	145.358	138.737	133.971	138.737	145.358	138.737	133.971
45	50.270	53.408	57.249	53.408	50.270	53.408	57.249	53.408	50.270
50	30.193	31.441	32.893	31.441	30.193	31.441	32.893	31.441	30.193
55	21.616	22.213	22.711	22.213	21.616	22.213	22.711	22.213	21.616
60	15.217	15.451	15.656	15.451	15.217	15.451	15.656	15.451	15.217
65	10.234	10.264	10.375	10.264	10.234	10.264	10.375	10.264	10.234
70	6.885	6.838	6.838	6.838	6.885	6.838	6.838	6.838	6.885
75	4.046	3.934	3.917	3.934	4.046	3.934	3.917	3.934	4.046
80	1.358	1.347	1.323	1.347	1.358	1.347	1.323	1.347	1.358
85	0.995	0.984	0.966	0.984	0.995	0.984	0.966	0.984	0.995
90	0.492	0.468	0.410	0.468	0.492	0.468	0.410	0.468	0.492
95	0.995	0.984	0.966	0.984	0.995	0.984	0.966	0.984	0.995
100	1.358	1.347	1.323	1.347	1.358	1.347	1.323	1.347	1.358
105	4.046	3.934	3.917	3.934	4.046	3.934	3.917	3.934	4.046
110	6.885	6.838	6.838	6.838	6.885	6.838	6.838	6.838	6.885
115	10.234	10.264	10.375	10.264	10.234	10.264	10.375	10.264	10.234
120	15.217	15.451	15.656	15.451	15.217	15.451	15.656	15.451	15.217
125	21.616	22.213	22.711	22.213	21.616	22.213	22.711	22.213	21.616
130	30.193	31.441	32.893	31.441	30.193	31.441	32.893	31.441	30.193
135	50.270	53.408	57.249	53.408	50.270	53.408	57.249	53.408	50.270
140	133.971	138.737	145.358	138.737	133.971	138.737	145.358	138.737	133.971
145	410.279	417.346	425.824	417.346	410.279	417.346	425.824	417.346	410.279
150	839.897	849.528	847.683	849.528	839.897	849.528	847.683	849.528	839.897
155	1195.374	1196.106	1200.298	1196.106	1195.374	1196.106	1200.298	1196.106	1195.374
160	1490.822	1489.065	1494.756	1489.065	1490.822	1489.065	1494.756	1489.065	1490.822
165	1757.510	1753.781	1757.030	1753.781	1757.510	1753.781	1757.030	1753.781	1757.510
170	1914.555	1913.964	1912.120	1913.964	1914.555	1913.964	1912.120	1913.964	1914.555
175	1962.477	1959.907	1963.900	1959.907	1962.477	1959.907	1963.900	1959.907	1962.477
180	1971.330	1971.330	1971.330	1971.330	1971.330	1971.330	1971.330	1971.330	1971.330

COEFFICIENTS OF UTILIZATION



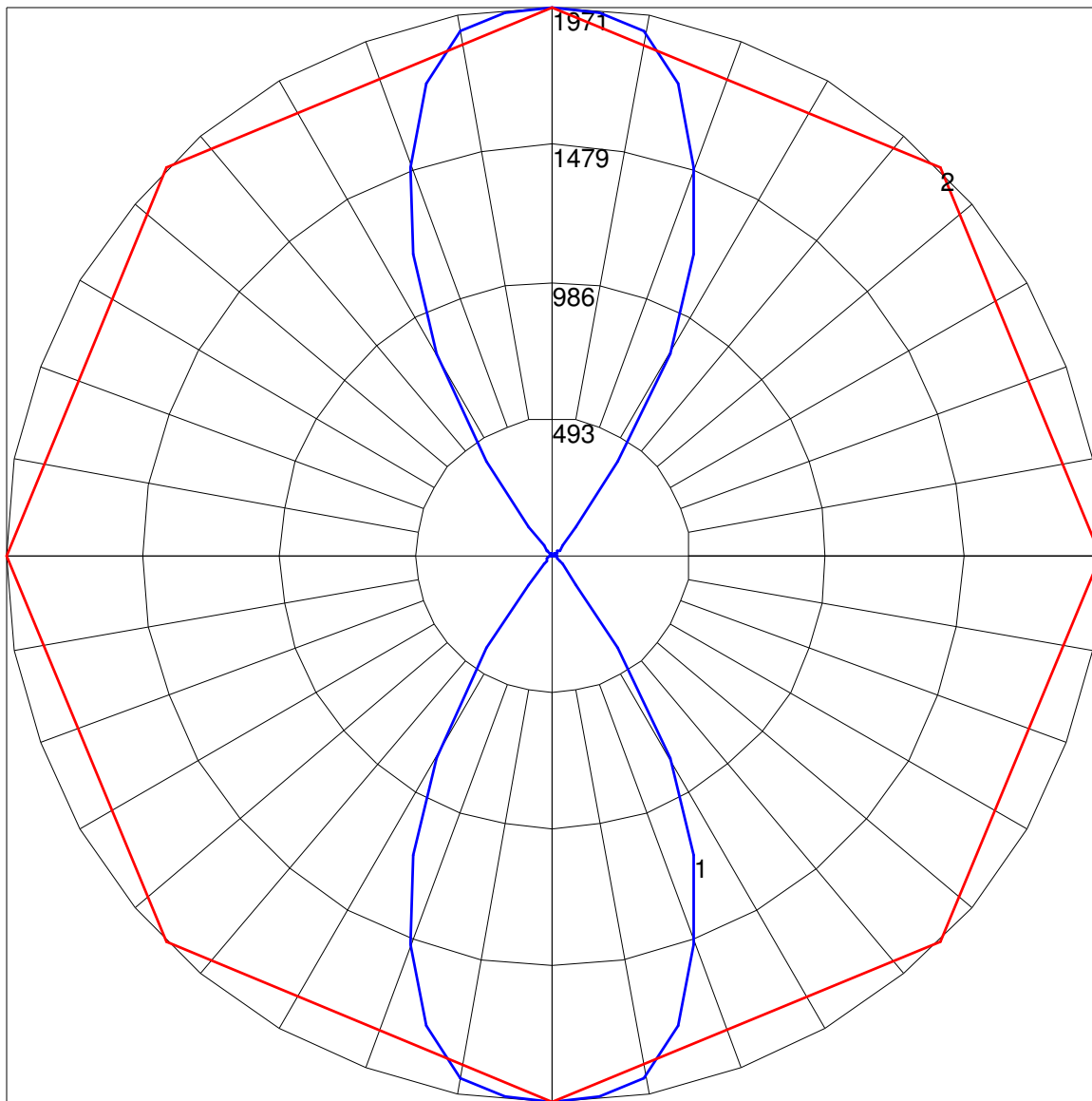
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	789.8	25.0
Downward House Side	789.8	25.0
Downward Total	1579.6	50.0
Upward Street Side	789.8	25.0
Upward House Side	789.8	25.0
Upward Total	1579.6	50.0
Total Flux	3159.2	100.0

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POLAR GRAPH



Maximum Candela = 1971.359 Located At Horizontal Angle = 360, Vertical Angle = 0

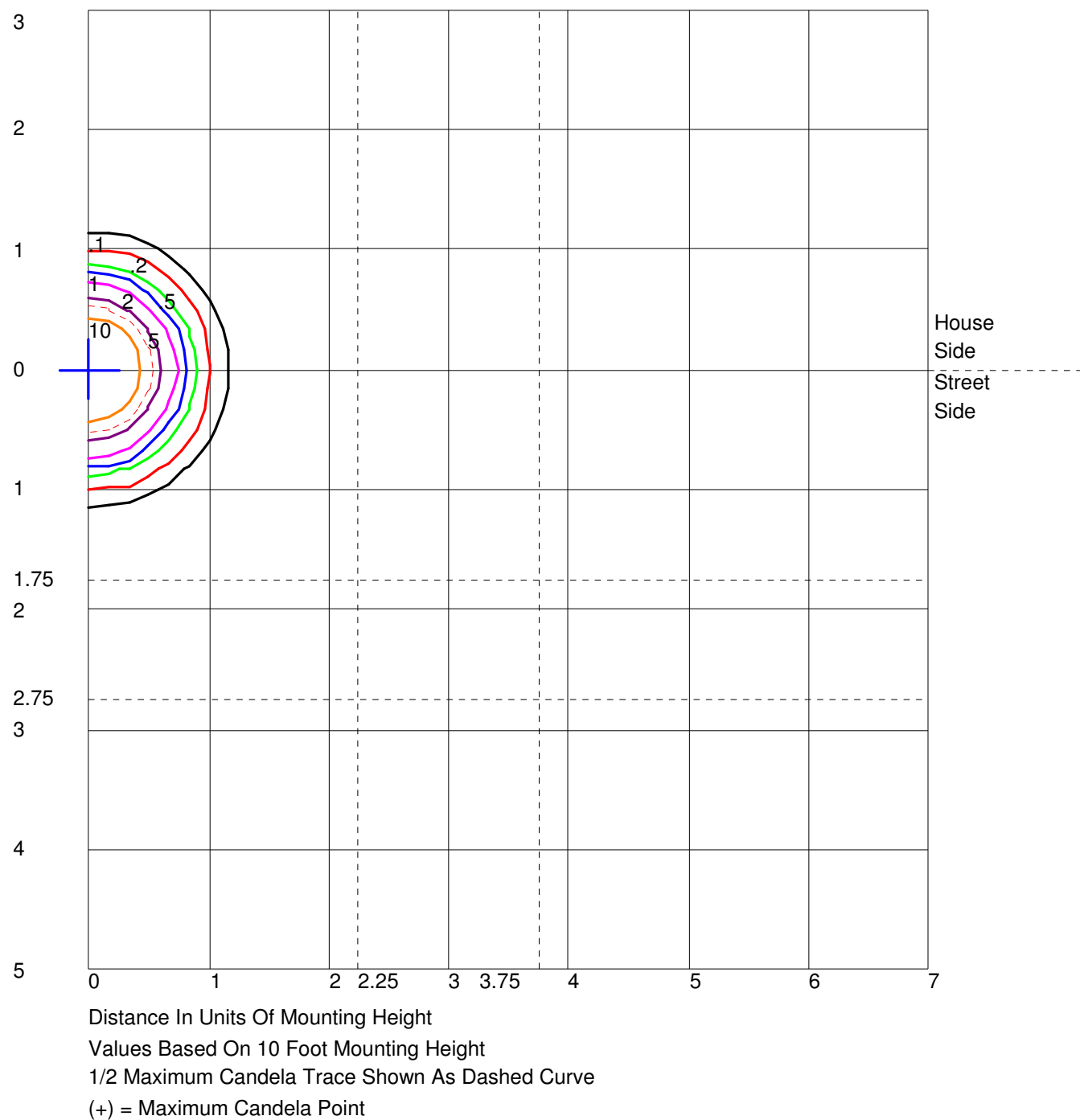
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

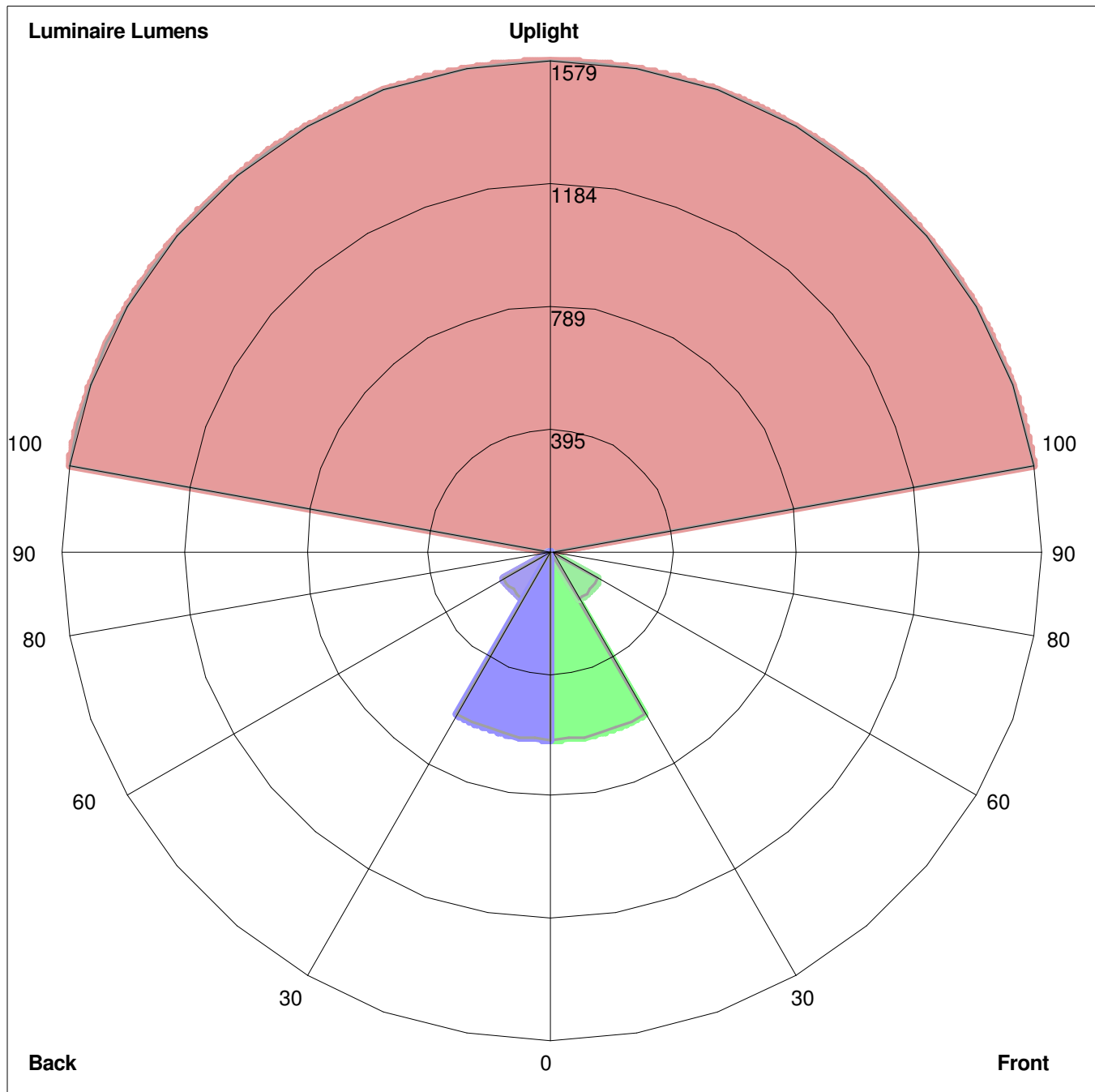
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=605.7, Medium=176.2, High=7.4, Very High=0.5
Back: Low=605.7, Medium=176.2, High=7.4, Very High=0.5
Uplight: Low=1.0, High=1578.6

BUG Rating : B2-U5-G0