

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-835U-L15-835D-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-L15-835U-L15-835D-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	3128
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1951.841
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1951.841
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.487 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.345 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-835U-L15-835D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	599.7	N.A.	19.2
FM - Front-Medium (30-60)	174.4	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)	599.7	N.A.	19.2
BM - Back-Medium (30-60)	174.4	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)	1562.9	N.A.	50.0
Total	3127.7	N.A.	100.0
BUG Rating	B2-U5-G0		

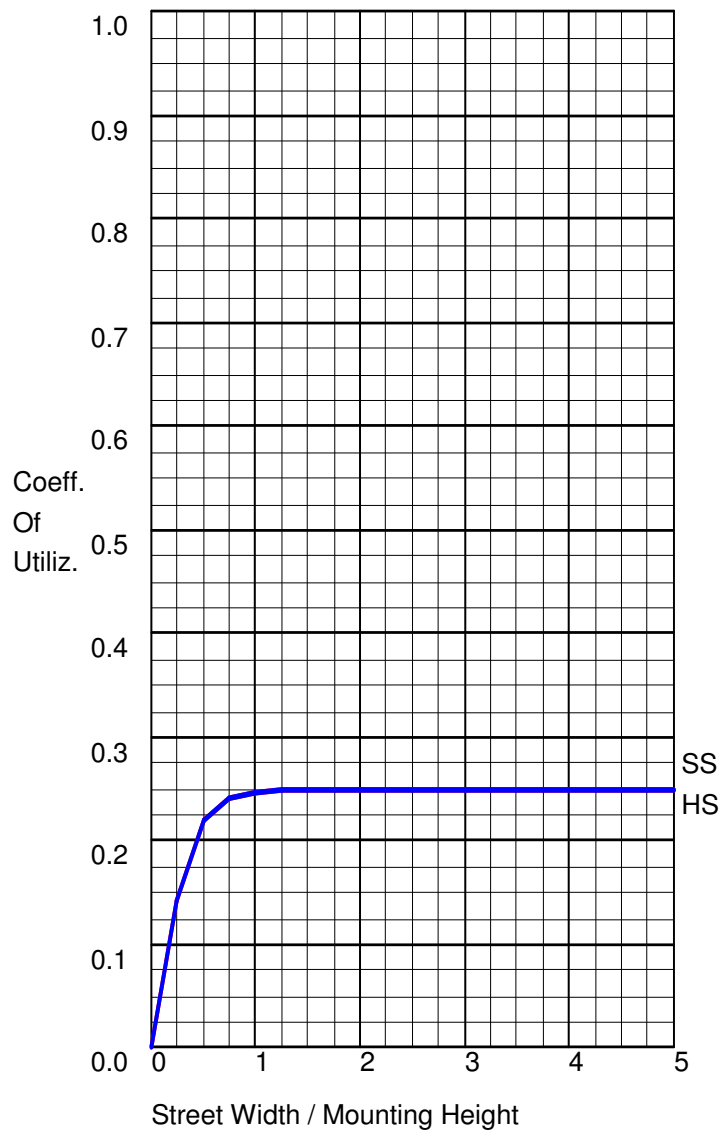
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CANDELA TABULATION

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	1951.841	1951.841	1951.841	1951.841	1951.841	1951.841	1951.841	1951.841	1951.841
5	1943.047	1940.502	1944.456	1940.502	1943.047	1940.502	1944.456	1940.502	1943.047
10	1895.600	1895.014	1893.188	1895.014	1895.600	1895.014	1893.188	1895.014	1895.600
15	1740.110	1736.417	1739.634	1736.417	1740.110	1736.417	1739.634	1736.417	1740.110
20	1476.061	1474.322	1479.957	1474.322	1476.061	1474.322	1479.957	1474.322	1476.061
25	1183.539	1184.263	1188.414	1184.263	1183.539	1184.263	1188.414	1184.263	1183.539
30	831.581	841.117	839.291	841.117	831.581	841.117	839.291	841.117	831.581
35	406.217	413.214	421.608	413.214	406.217	413.214	421.608	413.214	406.217
40	132.644	137.363	143.919	137.363	132.644	137.363	143.919	137.363	132.644
45	49.772	52.879	56.682	52.879	49.772	52.879	56.682	52.879	49.772
50	29.895	31.129	32.567	31.129	29.895	31.129	32.567	31.129	29.895
55	21.402	21.993	22.486	21.993	21.402	21.993	22.486	21.993	21.402
60	15.066	15.298	15.501	15.298	15.066	15.298	15.501	15.298	15.066
65	10.133	10.162	10.272	10.162	10.133	10.162	10.272	10.162	10.133
70	6.817	6.771	6.771	6.771	6.817	6.771	6.771	6.771	6.817
75	4.006	3.896	3.878	3.896	4.006	3.896	3.878	3.896	4.006
80	1.345	1.333	1.310	1.333	1.345	1.333	1.310	1.333	1.345
85	0.985	0.974	0.956	0.974	0.985	0.974	0.956	0.974	0.985
90	0.487	0.464	0.406	0.464	0.487	0.464	0.406	0.464	0.487
95	0.985	0.974	0.956	0.974	0.985	0.974	0.956	0.974	0.985
100	1.345	1.333	1.310	1.333	1.345	1.333	1.310	1.333	1.345
105	4.006	3.896	3.878	3.896	4.006	3.896	3.878	3.896	4.006
110	6.817	6.771	6.771	6.771	6.817	6.771	6.771	6.771	6.817
115	10.133	10.162	10.272	10.162	10.133	10.162	10.272	10.162	10.133
120	15.066	15.298	15.501	15.298	15.066	15.298	15.501	15.298	15.066
125	21.402	21.993	22.486	21.993	21.402	21.993	22.486	21.993	21.402
130	29.895	31.129	32.567	31.129	29.895	31.129	32.567	31.129	29.895
135	49.772	52.879	56.682	52.879	49.772	52.879	56.682	52.879	49.772
140	132.644	137.363	143.919	137.363	132.644	137.363	143.919	137.363	132.644
145	406.217	413.214	421.608	413.214	406.217	413.214	421.608	413.214	406.217
150	831.581	841.117	839.291	841.117	831.581	841.117	839.291	841.117	831.581
155	1183.539	1184.263	1188.414	1184.263	1183.539	1184.263	1188.414	1184.263	1183.539
160	1476.061	1474.322	1479.957	1474.322	1476.061	1474.322	1479.957	1474.322	1476.061
165	1740.110	1736.417	1739.634	1736.417	1740.110	1736.417	1739.634	1736.417	1740.110
170	1895.600	1895.014	1893.188	1895.014	1895.600	1895.014	1893.188	1895.014	1895.600
175	1943.047	1940.502	1944.456	1940.502	1943.047	1940.502	1944.456	1940.502	1943.047
180	1951.812	1951.812	1951.812	1951.812	1951.812	1951.812	1951.812	1951.812	1951.812

COEFFICIENTS OF UTILIZATION



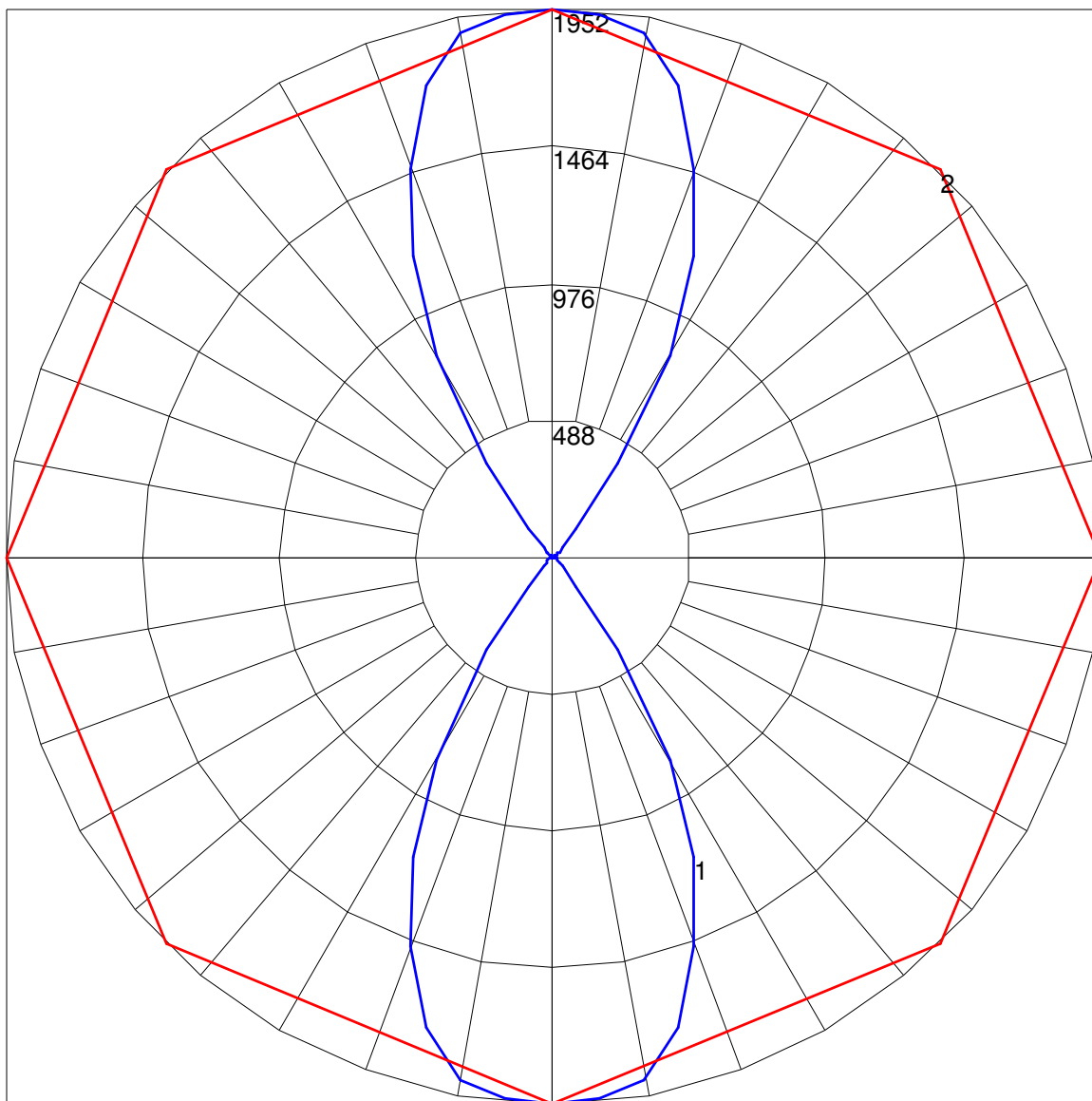
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	782.0	25.0
Downward House Side	782.0	25.0
Downward Total	1564.0	50.0
Upward Street Side	782.0	25.0
Upward House Side	782.0	25.0
Upward Total	1564.0	50.0
Total Flux	3128.0	100.0

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POLAR GRAPH



Maximum Candela = 1951.841 Located At Horizontal Angle = 360, Vertical Angle = 0

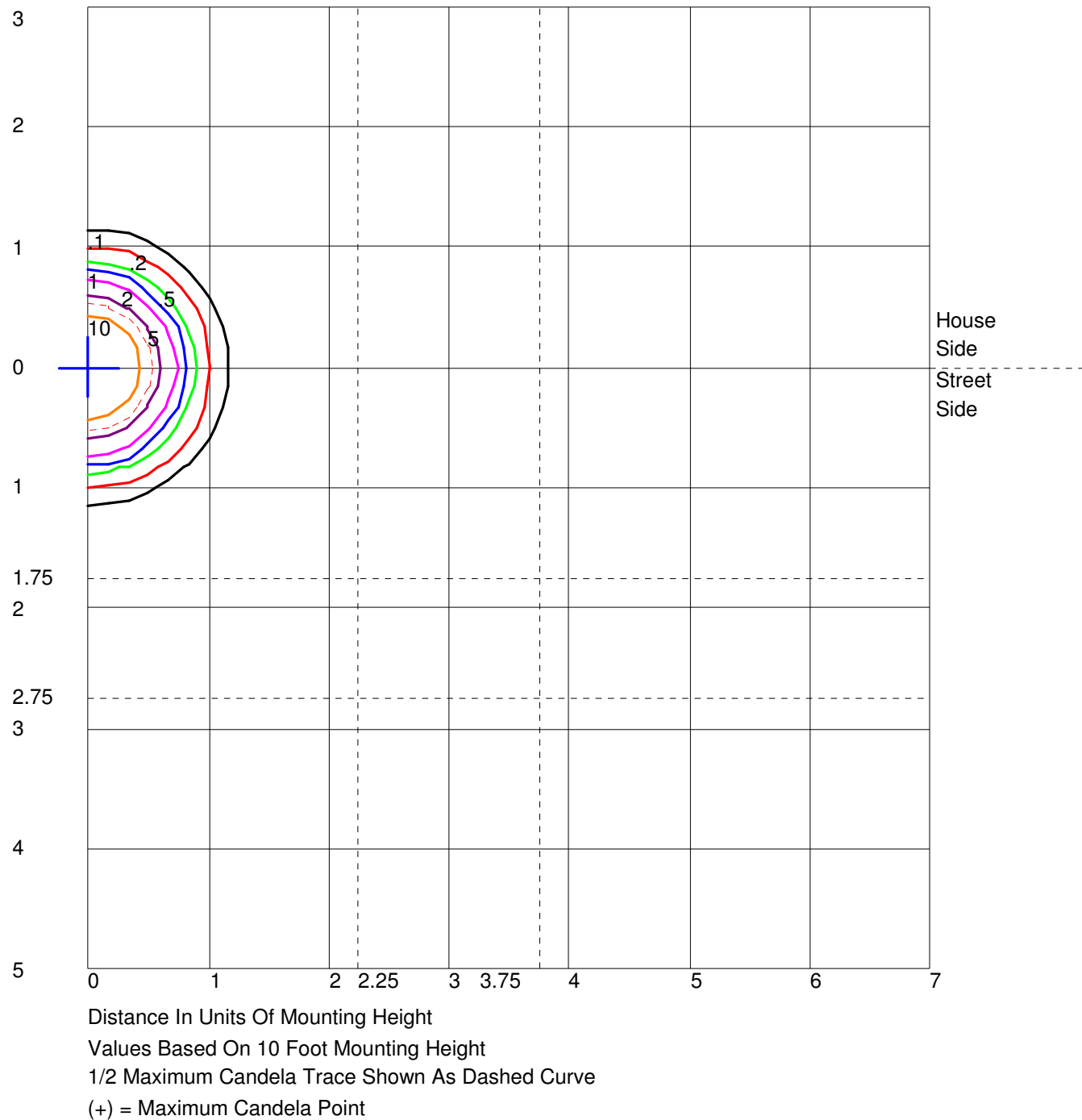
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

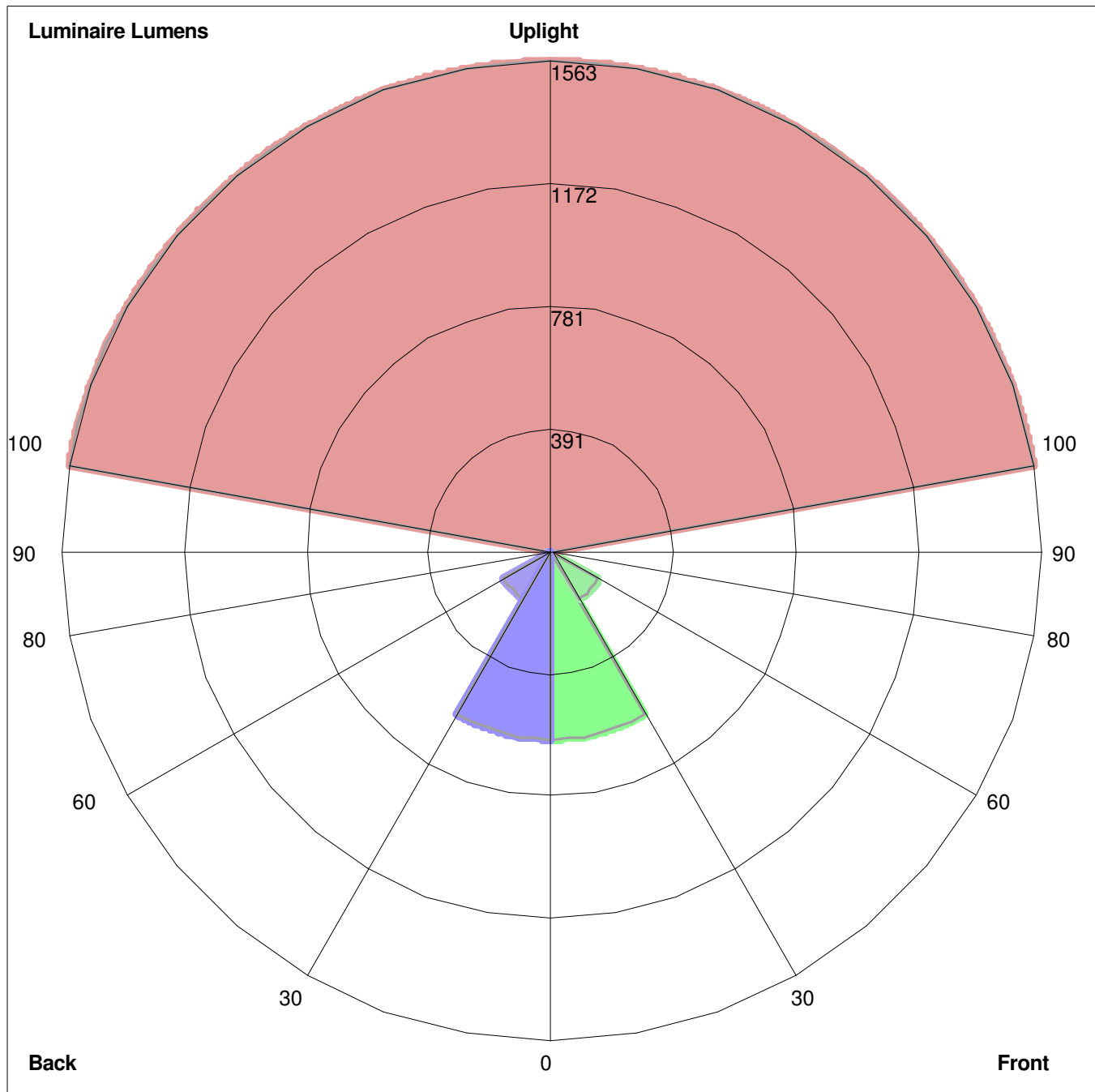
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=599.7, Medium=174.4, High=7.3, Very High=0.5
Back: Low=599.7, Medium=174.4, High=7.3, Very High=0.5
Uplight: Low=1.0, High=1562.9

BUG Rating : B2-U5-G0