

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-827U-L15-827D-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-L15-827U-L15-827D-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	3065
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1912.804
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1912.804
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.477 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.318 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W4CRDI-XX-L15-827U-L15-827D-XXX-DIM-UNV-W-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	587.7	N.A.	19.2
FM - Front-Medium (30-60)	170.9	N.A.	5.6
FH - Front-High (60-80)	7.2	N.A.	0.2
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	587.7	N.A.	19.2
BM - Back-Medium (30-60)	170.9	N.A.	5.6
BH - Back-High (60-80)	7.2	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)	1531.7	N.A.	50.0
Total	3065.3	N.A.	100.0
BUG Rating	B2-U5-G0		

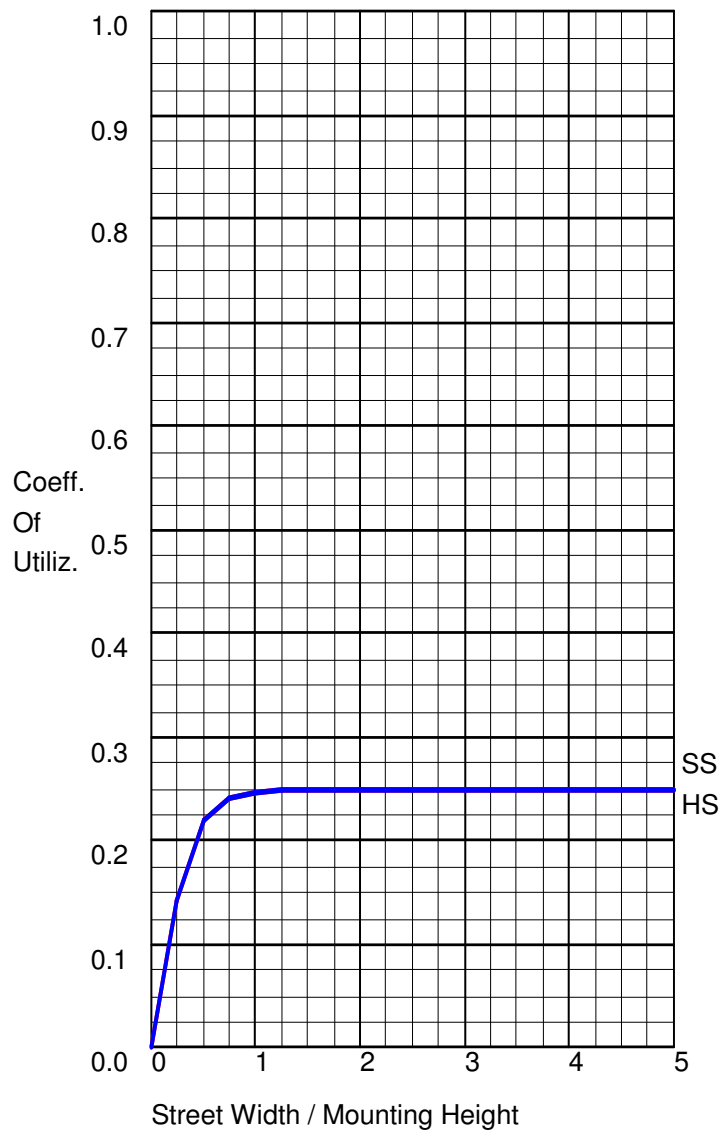
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## CANDELA TABULATION

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	1912.804	1912.804	1912.804	1912.804	1912.804	1912.804	1912.804	1912.804	1912.804
5	1904.186	1901.692	1905.566	1901.692	1904.186	1901.692	1905.566	1901.692	1904.186
10	1857.687	1857.114	1855.324	1857.114	1857.687	1857.114	1855.324	1857.114	1857.687
15	1705.307	1701.689	1704.841	1701.689	1705.307	1701.689	1704.841	1701.689	1705.307
20	1446.540	1444.836	1450.358	1444.836	1446.540	1444.836	1450.358	1444.836	1446.540
25	1159.868	1160.578	1164.646	1160.578	1159.868	1160.578	1164.646	1160.578	1159.868
30	814.949	824.294	822.505	824.294	814.949	824.294	822.505	824.294	814.949
35	398.093	404.949	413.175	404.949	398.093	404.949	413.175	404.949	398.093
40	129.991	134.616	141.041	134.616	129.991	134.616	141.041	134.616	129.991
45	48.777	51.822	55.548	51.822	48.777	51.822	55.548	51.822	48.777
50	29.297	30.507	31.916	30.507	29.297	30.507	31.916	30.507	29.297
55	20.974	21.554	22.036	21.554	20.974	21.554	22.036	21.554	20.974
60	14.765	14.992	15.191	14.992	14.765	14.992	15.191	14.992	14.765
65	9.930	9.959	10.067	9.959	9.930	9.959	10.067	9.959	9.930
70	6.681	6.635	6.635	6.635	6.681	6.635	6.635	6.635	6.681
75	3.926	3.818	3.801	3.818	3.926	3.818	3.801	3.818	3.926
80	1.318	1.307	1.284	1.307	1.318	1.307	1.284	1.307	1.318
85	0.966	0.954	0.937	0.954	0.966	0.954	0.937	0.954	0.966
90	0.477	0.454	0.398	0.454	0.477	0.454	0.398	0.454	0.477
95	0.966	0.954	0.937	0.954	0.966	0.954	0.937	0.954	0.966
100	1.318	1.307	1.284	1.307	1.318	1.307	1.284	1.307	1.318
105	3.926	3.818	3.801	3.818	3.926	3.818	3.801	3.818	3.926
110	6.681	6.635	6.635	6.635	6.681	6.635	6.635	6.635	6.681
115	9.930	9.959	10.067	9.959	9.930	9.959	10.067	9.959	9.930
120	14.765	14.992	15.191	14.992	14.765	14.992	15.191	14.992	14.765
125	20.974	21.554	22.036	21.554	20.974	21.554	22.036	21.554	20.974
130	29.297	30.507	31.916	30.507	29.297	30.507	31.916	30.507	29.297
135	48.777	51.822	55.548	51.822	48.777	51.822	55.548	51.822	48.777
140	129.991	134.616	141.041	134.616	129.991	134.616	141.041	134.616	129.991
145	398.093	404.949	413.175	404.949	398.093	404.949	413.175	404.949	398.093
150	814.949	824.294	822.505	824.294	814.949	824.294	822.505	824.294	814.949
155	1159.868	1160.578	1164.646	1160.578	1159.868	1160.578	1164.646	1160.578	1159.868
160	1446.540	1444.836	1450.358	1444.836	1446.540	1444.836	1450.358	1444.836	1446.540
165	1705.307	1701.689	1704.841	1701.689	1705.307	1701.689	1704.841	1701.689	1705.307
170	1857.687	1857.114	1855.324	1857.114	1857.687	1857.114	1855.324	1857.114	1857.687
175	1904.186	1901.692	1905.566	1901.692	1904.186	1901.692	1905.566	1901.692	1904.186
180	1912.776	1912.776	1912.776	1912.776	1912.776	1912.776	1912.776	1912.776	1912.776

COEFFICIENTS OF UTILIZATION



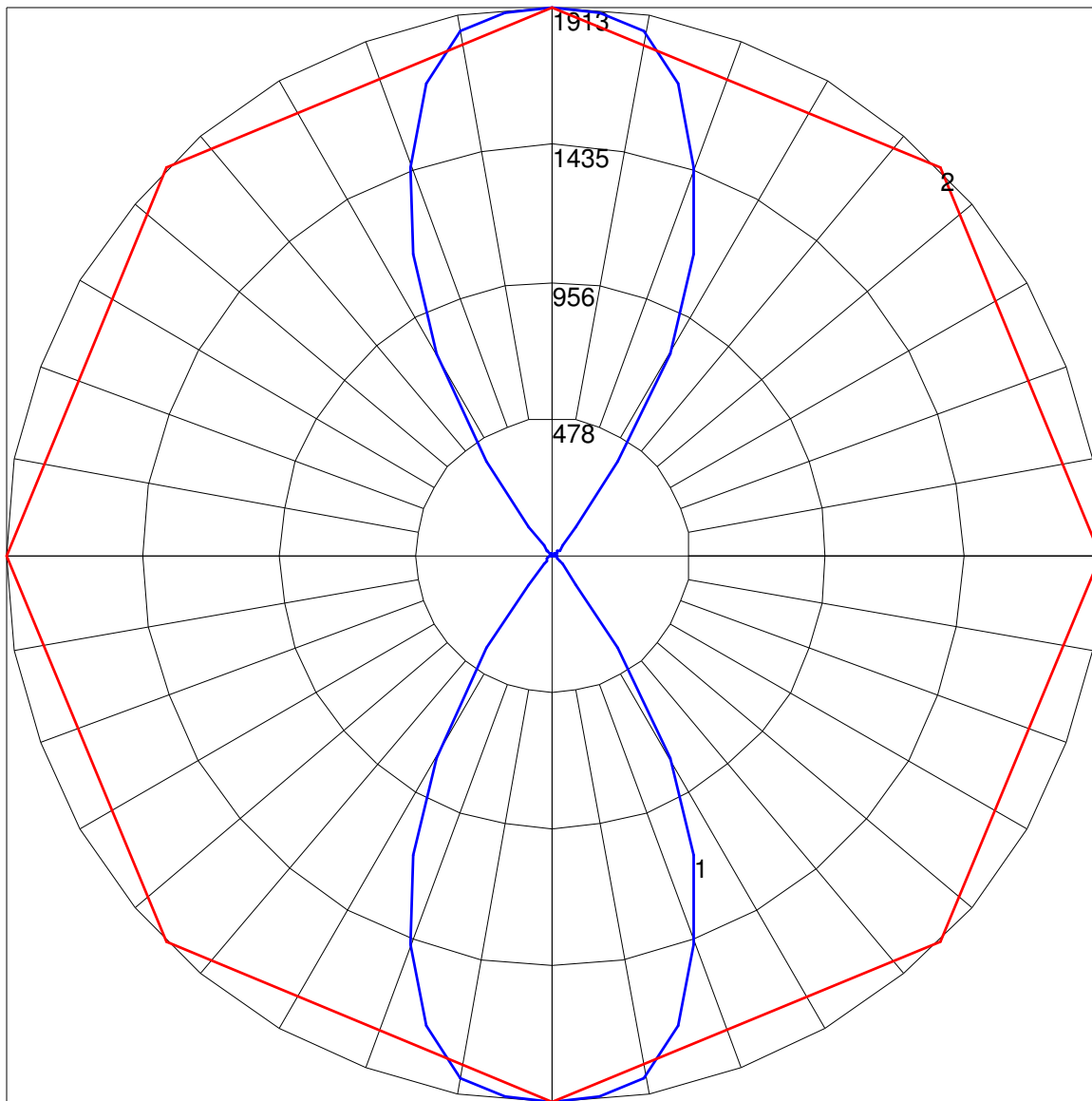
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	766.3	25.0
Downward House Side	766.3	25.0
Downward Total	1532.6	50.0
Upward Street Side	766.3	25.0
Upward House Side	766.3	25.0
Upward Total	1532.6	50.0
Total Flux	3065.2	100.0

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## POLAR GRAPH



Maximum Candela = 1912.804 Located At Horizontal Angle = 360, Vertical Angle = 0

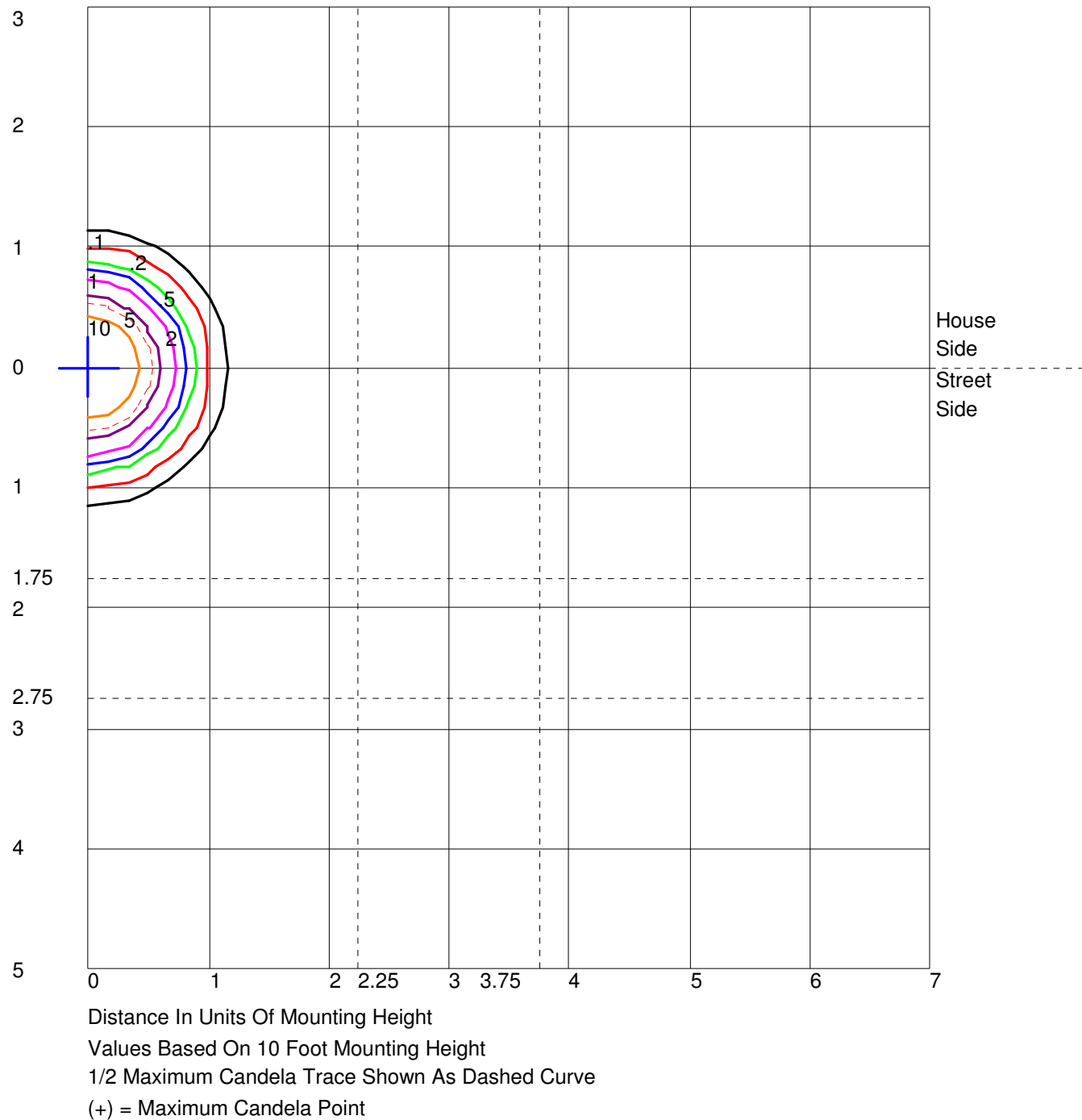
# 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

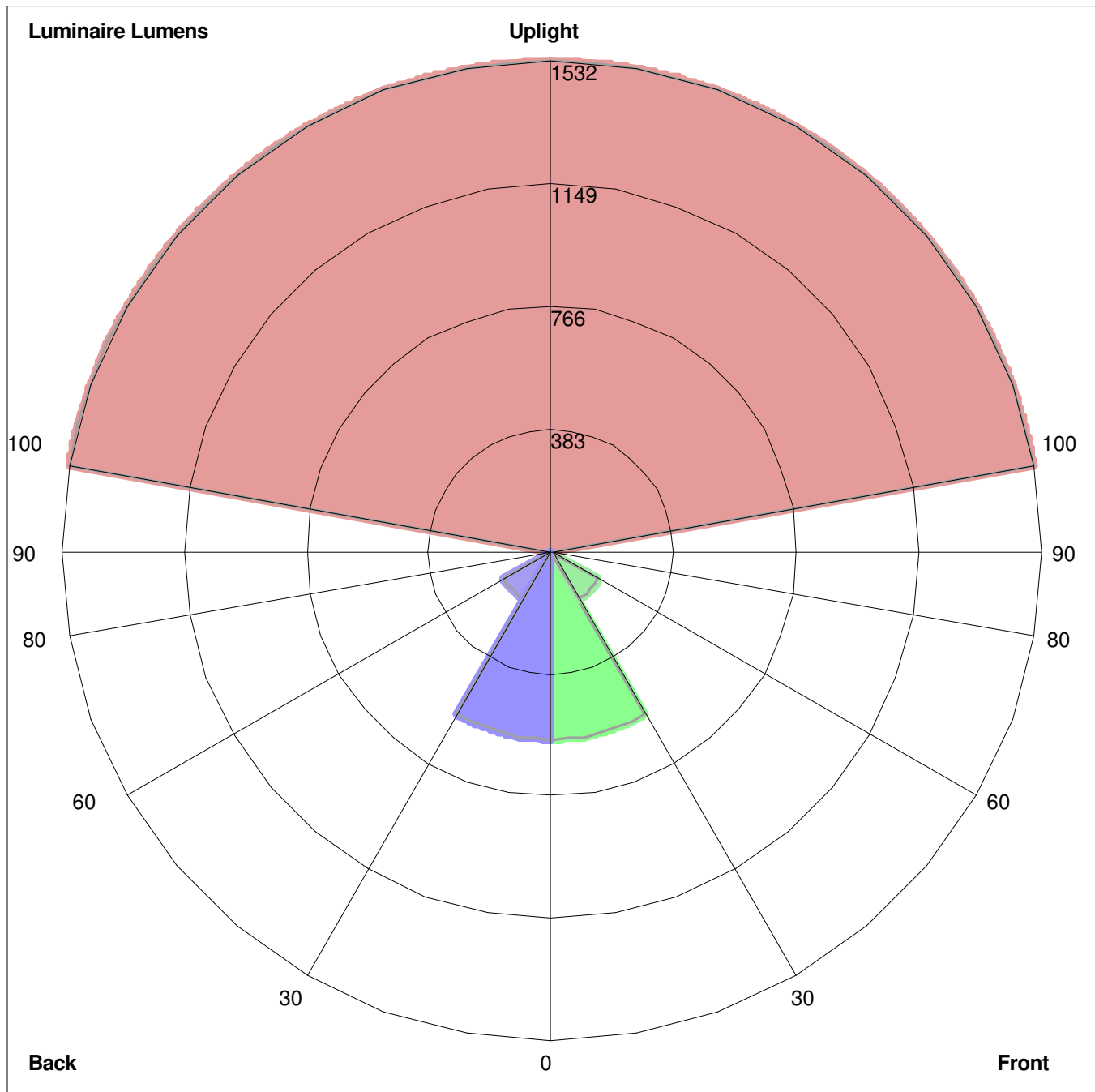
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## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=587.7, Medium=170.9, High=7.2, Very High=0.5  
Back: Low=587.7, Medium=170.9, High=7.2, Very High=0.5  
Uplight: Low=1.0, High=1531.7

BUG Rating : B2-U5-G0