

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-950U-L10-950D-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-L10-950U-L10-950D-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	1995
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1244.66
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1244.66
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.311 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.858 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-950U-L10-950D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	382.4	N.A.	19.2
FM - Front-Medium (30-60)	111.2	N.A.	5.6
FH - Front-High (60-80)	4.7	N.A.	0.2
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	382.4	N.A.	19.2
BM - Back-Medium (30-60)	111.2	N.A.	5.6
BH - Back-High (60-80)	4.7	N.A.	0.2
BVH - Back-Very High (80-90)	0.3	N.A.	0.0
UL - Uplight-Low (90-100)	0.6	N.A.	0.0
UH - Uplight-High (100-180)	996.7	N.A.	50.0
Total	1994.5	N.A.	100.0
BUG Rating	B1-U4-G0		

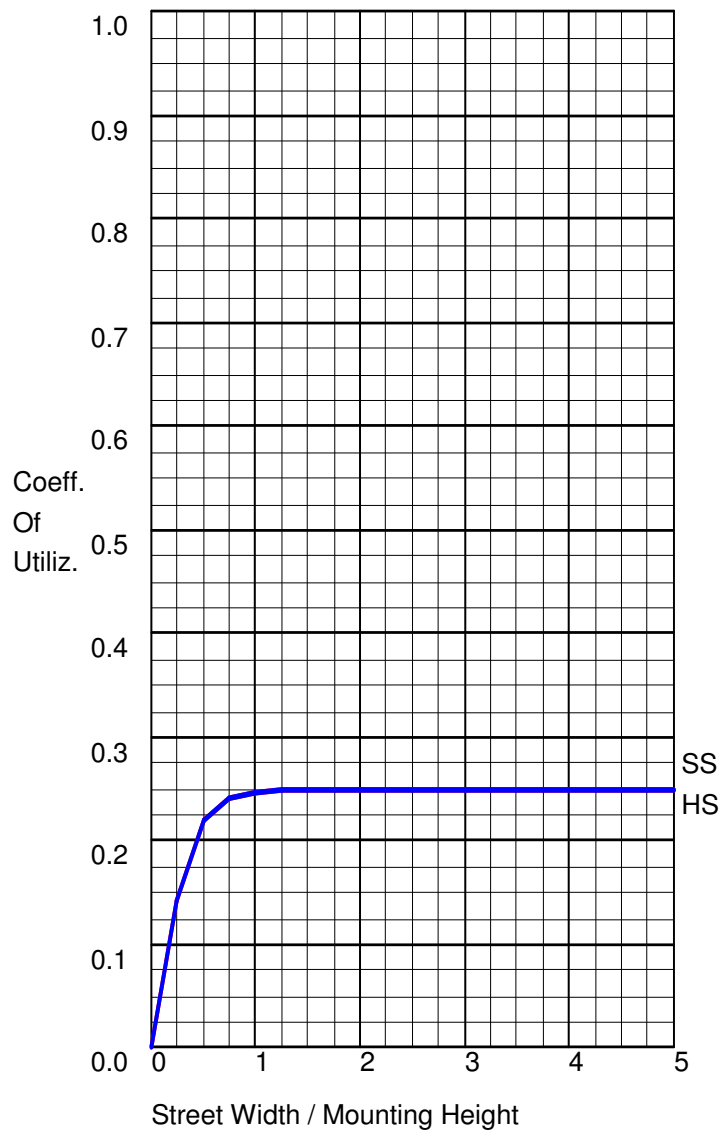
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CANDELA TABULATION

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	1244.660	1244.660	1244.660	1244.660	1244.660	1244.660	1244.660	1244.660	1244.660
5	1239.053	1237.430	1239.951	1237.430	1239.053	1237.430	1239.951	1237.430	1239.053
10	1208.796	1208.423	1207.258	1208.423	1208.796	1208.423	1207.258	1208.423	1208.796
15	1109.642	1107.288	1109.339	1107.288	1109.642	1107.288	1109.339	1107.288	1109.642
20	941.263	940.154	943.747	940.154	941.263	940.154	943.747	940.154	941.263
25	754.725	755.187	757.834	755.187	754.725	755.187	757.834	755.187	754.725
30	530.287	536.368	535.203	536.368	530.287	536.368	535.203	536.368	530.287
35	259.039	263.500	268.853	263.500	259.039	263.500	268.853	263.500	259.039
40	84.585	87.594	91.775	87.594	84.585	87.594	91.775	87.594	84.585
45	31.739	33.720	36.145	33.720	31.739	33.720	36.145	33.720	31.739
50	19.063	19.851	20.767	19.851	19.063	19.851	20.767	19.851	19.063
55	13.648	14.025	14.339	14.025	13.648	14.025	14.339	14.025	13.648
60	9.607	9.755	9.885	9.755	9.607	9.755	9.885	9.755	9.607
65	6.462	6.480	6.550	6.480	6.462	6.480	6.550	6.480	6.462
70	4.347	4.318	4.318	4.318	4.347	4.318	4.318	4.318	4.347
75	2.554	2.484	2.473	2.484	2.554	2.484	2.473	2.484	2.554
80	0.858	0.850	0.835	0.850	0.858	0.850	0.835	0.850	0.858
85	0.628	0.621	0.610	0.621	0.628	0.621	0.610	0.621	0.628
90	0.311	0.296	0.259	0.296	0.311	0.296	0.259	0.296	0.311
95	0.628	0.621	0.610	0.621	0.628	0.621	0.610	0.621	0.628
100	0.858	0.850	0.835	0.850	0.858	0.850	0.835	0.850	0.858
105	2.554	2.484	2.473	2.484	2.554	2.484	2.473	2.484	2.554
110	4.347	4.318	4.318	4.318	4.347	4.318	4.318	4.318	4.347
115	6.462	6.480	6.550	6.480	6.462	6.480	6.550	6.480	6.462
120	9.607	9.755	9.885	9.755	9.607	9.755	9.885	9.755	9.607
125	13.648	14.025	14.339	14.025	13.648	14.025	14.339	14.025	13.648
130	19.063	19.851	20.767	19.851	19.063	19.851	20.767	19.851	19.063
135	31.739	33.720	36.145	33.720	31.739	33.720	36.145	33.720	31.739
140	84.585	87.594	91.775	87.594	84.585	87.594	91.775	87.594	84.585
145	259.039	263.500	268.853	263.500	259.039	263.500	268.853	263.500	259.039
150	530.287	536.368	535.203	536.368	530.287	536.368	535.203	536.368	530.287
155	754.725	755.187	757.834	755.187	754.725	755.187	757.834	755.187	754.725
160	941.263	940.154	943.747	940.154	941.263	940.154	943.747	940.154	941.263
165	1109.642	1107.288	1109.339	1107.288	1109.642	1107.288	1109.339	1107.288	1109.642
170	1208.796	1208.423	1207.258	1208.423	1208.796	1208.423	1207.258	1208.423	1208.796
175	1239.053	1237.430	1239.951	1237.430	1239.053	1237.430	1239.951	1237.430	1239.053
180	1244.642	1244.642	1244.642	1244.642	1244.642	1244.642	1244.642	1244.642	1244.642

COEFFICIENTS OF UTILIZATION



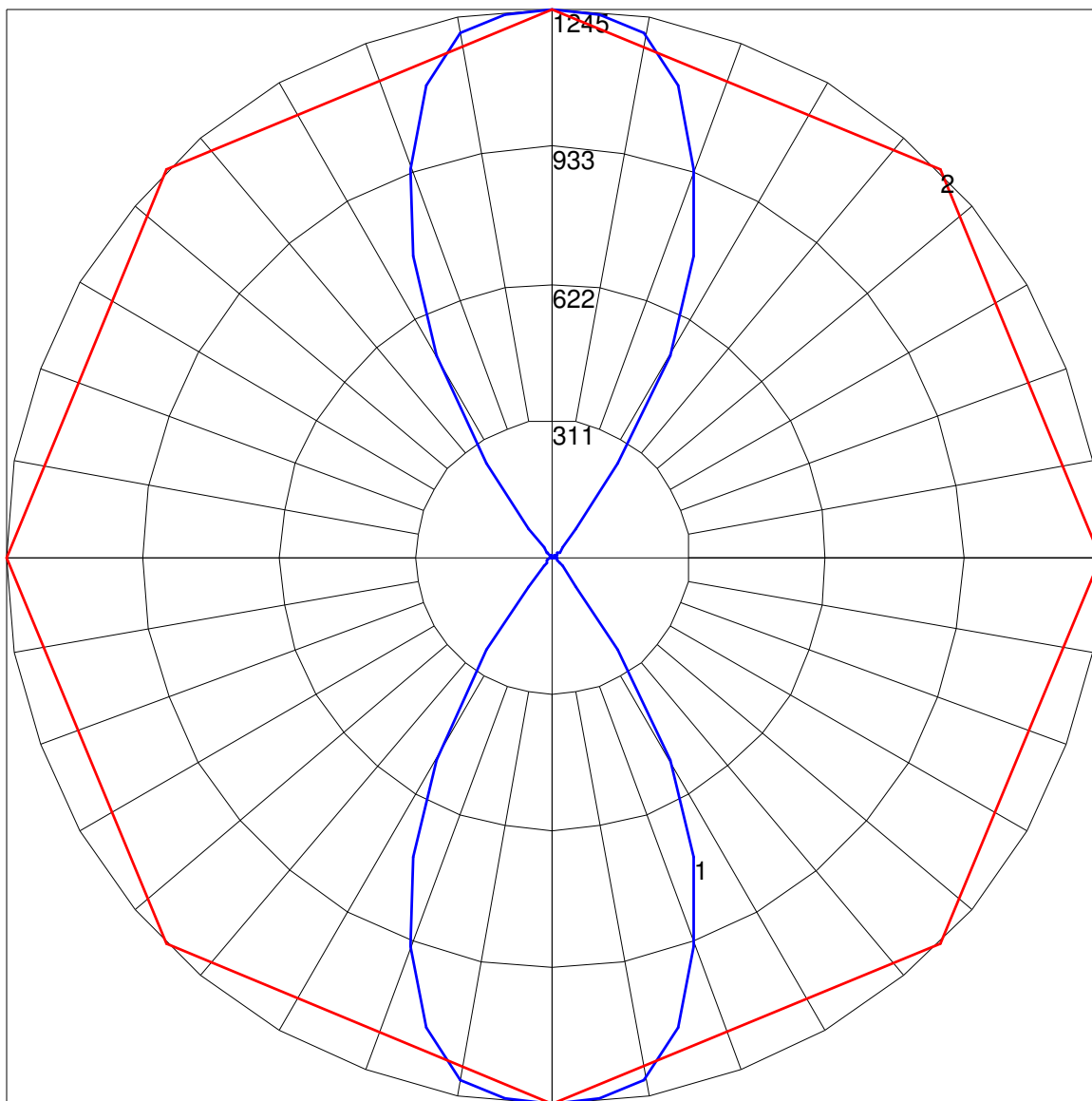
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	498.7	25.0
Downward House Side	498.7	25.0
Downward Total	997.4	50.0
Upward Street Side	498.7	25.0
Upward House Side	498.7	25.0
Upward Total	997.4	50.0
Total Flux	1994.8	100.0

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POLAR GRAPH



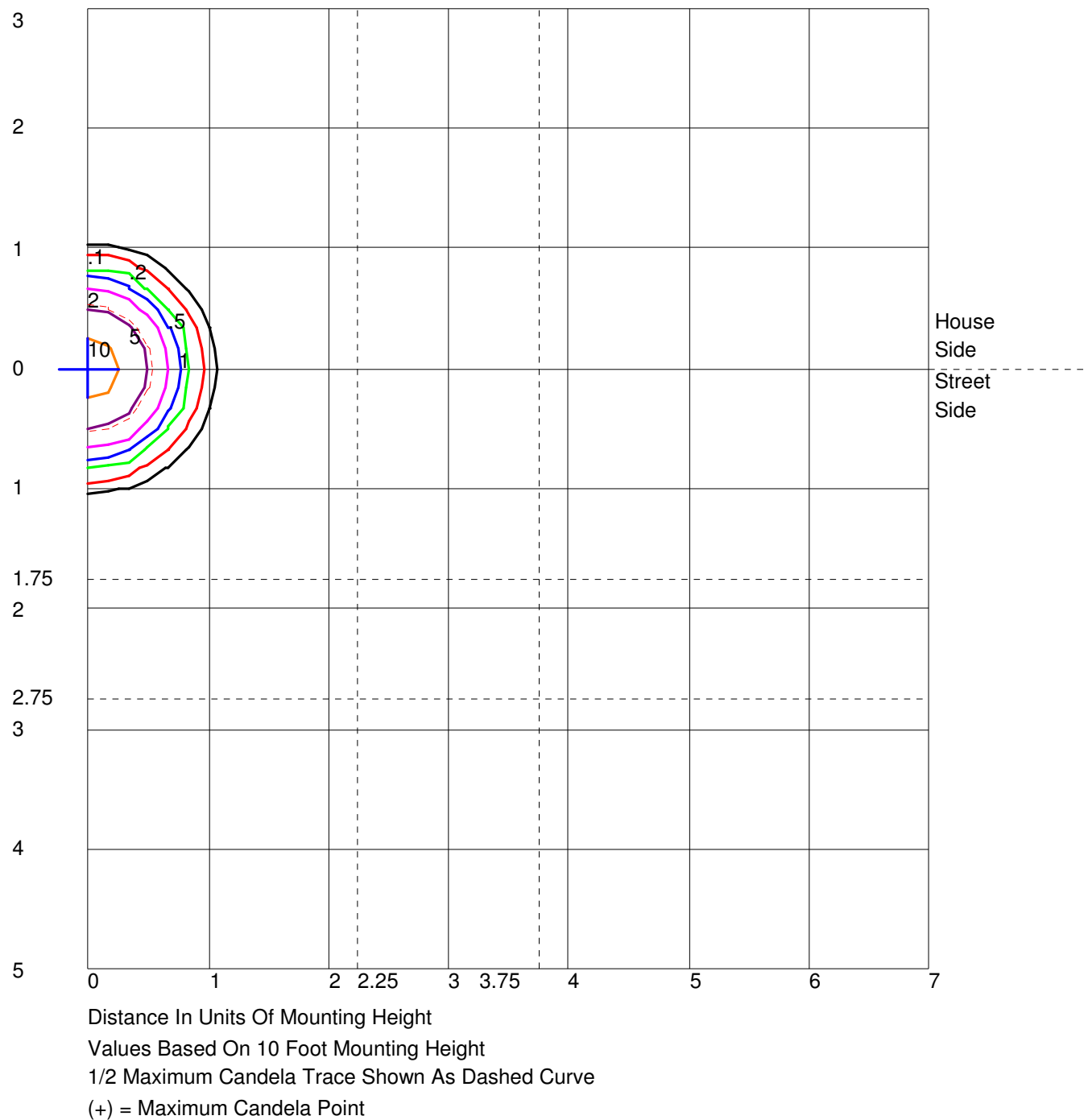
Maximum Candela = 1244.66 Located At Horizontal Angle = 360, Vertical Angle = 0

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

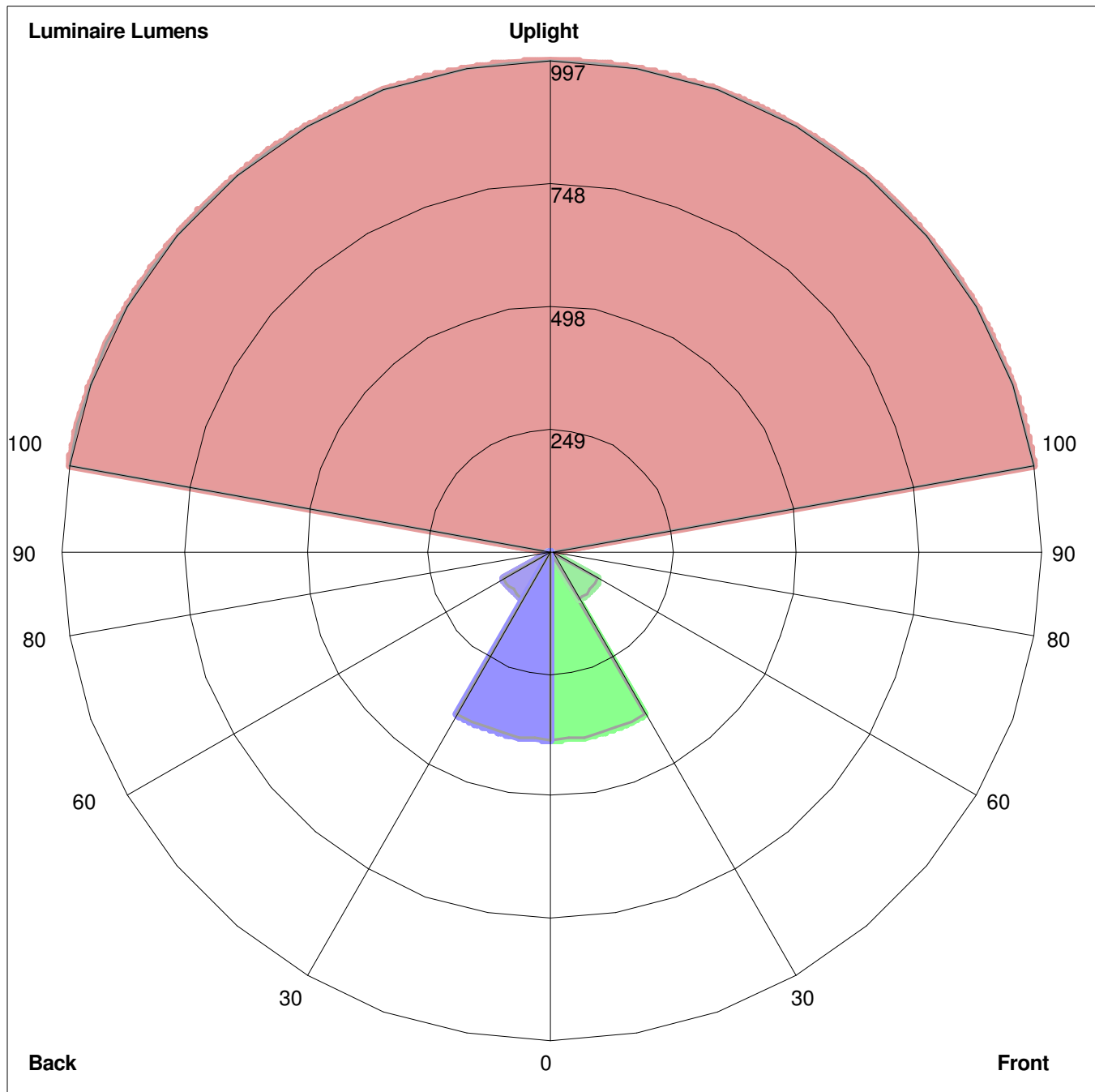
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=382.4, Medium=111.2, High=4.7, Very High=0.3
Back: Low=382.4, Medium=111.2, High=4.7, Very High=0.3
Uplight: Low=0.6, High=996.7

BUG Rating : B1-U4-G0