

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-940U-L15-940D-XXX-DIM-UNV-M-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W4CR_BARBARA-MEDIUM DIST
[TESTLAB] LEDIL Inc
[TESTDATE] 07/03/2025
[ISSUEDATE] 2025-08-07
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO
[LUMCAT] W4CRDI-xx-L15-940U-L15-940D-xxx-DIM-UNV-M-xx
[LUMINAIRE] 4 INCH ROUND DIRECT-INDIRECT OUTDOOR LED CYLINDER
[MORE] MEDIUM DISTRIBUTION WITH MICROPRISM LENS
[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	2984
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	2802.091
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2802.091
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.417 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.188 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-940U-L15-940D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	616.2	N.A.	20.7
FM - Front-Medium (30-60)	122.6	N.A.	4.1
FH - Front-High (60-80)	6.7	N.A.	0.2
FVH - Front-Very High (80-90)	0.4	N.A.	0.0
BL - Back-Low (0-30)	616.2	N.A.	20.7
BM - Back-Medium (30-60)	122.6	N.A.	4.1
BH - Back-High (60-80)	6.7	N.A.	0.2
BVH - Back-Very High (80-90)	0.4	N.A.	0.0
UL - Uplight-Low (90-100)	0.9	N.A.	0.0
UH - Uplight-High (100-180)	1491.0	N.A.	50.0
Total	2983.7	N.A.	100.0
BUG Rating	B2-U5-G0		

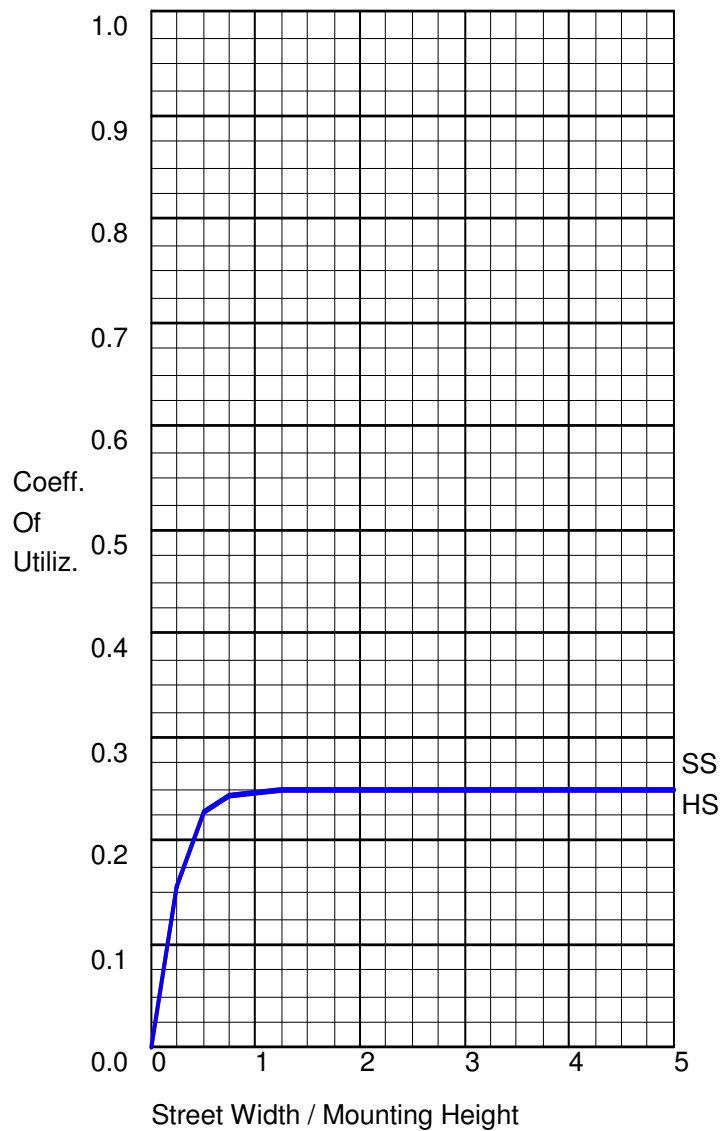
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CANDELA TABULATION

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	2802.091	2802.091	2802.091	2802.091	2802.091	2802.091	2802.091	2802.091	2802.091
5	2708.283	2701.664	2699.015	2701.664	2708.283	2701.664	2699.015	2701.664	2708.283
10	2400.065	2399.364	2393.965	2399.364	2400.065	2399.364	2393.965	2399.364	2400.065
15	1902.159	1904.455	1913.990	1904.455	1902.159	1904.455	1913.990	1904.455	1902.159
20	1387.409	1396.377	1412.125	1396.377	1387.409	1396.377	1412.125	1396.377	1387.409
25	982.541	989.899	1000.959	989.899	982.541	989.899	1000.959	989.899	982.541
30	626.105	637.663	640.660	637.663	626.105	637.663	640.660	637.663	626.105
35	273.474	278.306	282.522	278.306	273.474	278.306	282.522	278.306	273.474
40	77.028	79.329	83.577	79.329	77.028	79.329	83.577	79.329	77.028
45	32.384	34.257	37.002	34.257	32.384	34.257	37.002	34.257	32.384
50	24.524	25.337	26.364	25.337	24.524	25.337	26.364	25.337	24.524
55	19.569	19.943	20.307	19.943	19.569	19.943	20.307	19.943	19.569
60	13.816	13.955	14.186	13.955	13.816	13.955	14.186	13.955	13.816
65	9.225	9.236	9.380	9.236	9.225	9.236	9.380	9.236	9.225
70	6.277	6.223	6.287	6.223	6.277	6.223	6.287	6.223	6.277
75	3.735	3.639	3.671	3.639	3.735	3.639	3.671	3.639	3.735
80	1.188	1.172	1.156	1.172	1.188	1.172	1.156	1.172	1.188
85	0.862	0.862	0.851	0.862	0.862	0.862	0.851	0.862	0.862
90	0.417	0.407	0.353	0.407	0.417	0.407	0.353	0.407	0.417
95	0.862	0.862	0.851	0.862	0.862	0.862	0.851	0.862	0.862
100	1.188	1.172	1.156	1.172	1.188	1.172	1.156	1.172	1.188
105	3.735	3.639	3.671	3.639	3.735	3.639	3.671	3.639	3.735
110	6.277	6.223	6.287	6.223	6.277	6.223	6.287	6.223	6.277
115	9.225	9.236	9.380	9.236	9.225	9.236	9.380	9.236	9.225
120	13.816	13.955	14.186	13.955	13.816	13.955	14.186	13.955	13.816
125	19.569	19.943	20.307	19.943	19.569	19.943	20.307	19.943	19.569
130	24.524	25.337	26.364	25.337	24.524	25.337	26.364	25.337	24.524
135	32.384	34.257	37.002	34.257	32.384	34.257	37.002	34.257	32.384
140	77.028	79.329	83.577	79.329	77.028	79.329	83.577	79.329	77.028
145	273.474	278.306	282.522	278.306	273.474	278.306	282.522	278.306	273.474
150	626.105	637.663	640.660	637.663	626.105	637.663	640.660	637.663	626.105
155	982.541	989.899	1000.959	989.899	982.541	989.899	1000.959	989.899	982.541
160	1387.409	1396.377	1412.125	1396.377	1387.409	1396.377	1412.125	1396.377	1387.409
165	1902.159	1904.455	1913.990	1904.455	1902.159	1904.455	1913.990	1904.455	1902.159
170	2400.065	2399.364	2393.965	2399.364	2400.065	2399.364	2393.965	2399.364	2400.065
175	2708.283	2701.664	2699.015	2701.664	2708.283	2701.664	2699.015	2701.664	2708.283
180	2801.786	2801.786	2801.786	2801.786	2801.786	2801.786	2801.786	2801.786	2801.786

COEFFICIENTS OF UTILIZATION



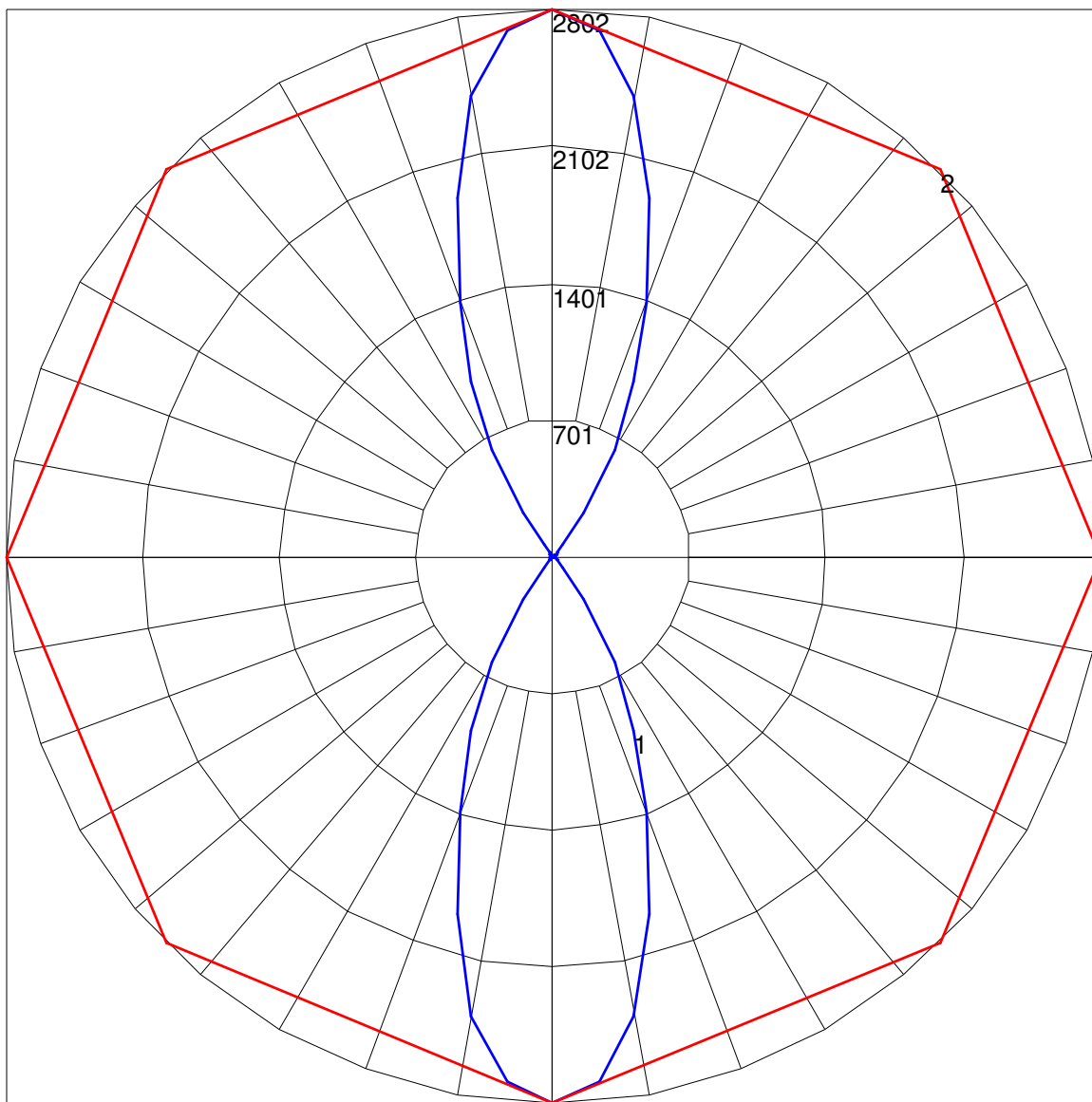
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	746.0	25.0
Downward House Side	746.0	25.0
Downward Total	1492.0	50.0
Upward Street Side	745.9	25.0
Upward House Side	745.9	25.0
Upward Total	1491.8	50.0
Total Flux	2983.8	100.0

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POLAR GRAPH

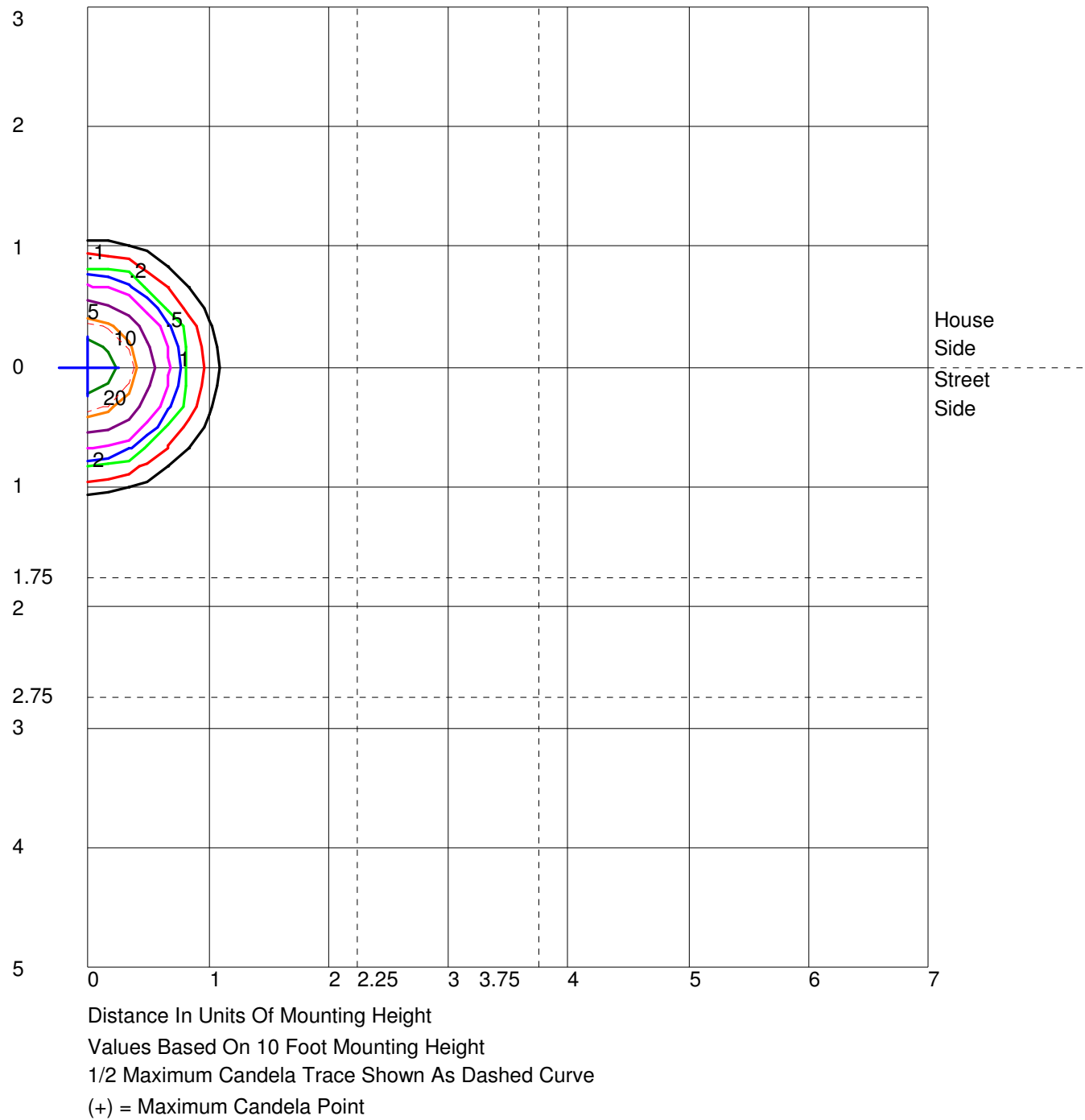


Maximum Candela = 2802.091 Located At Horizontal Angle = 360, Vertical Angle = 0

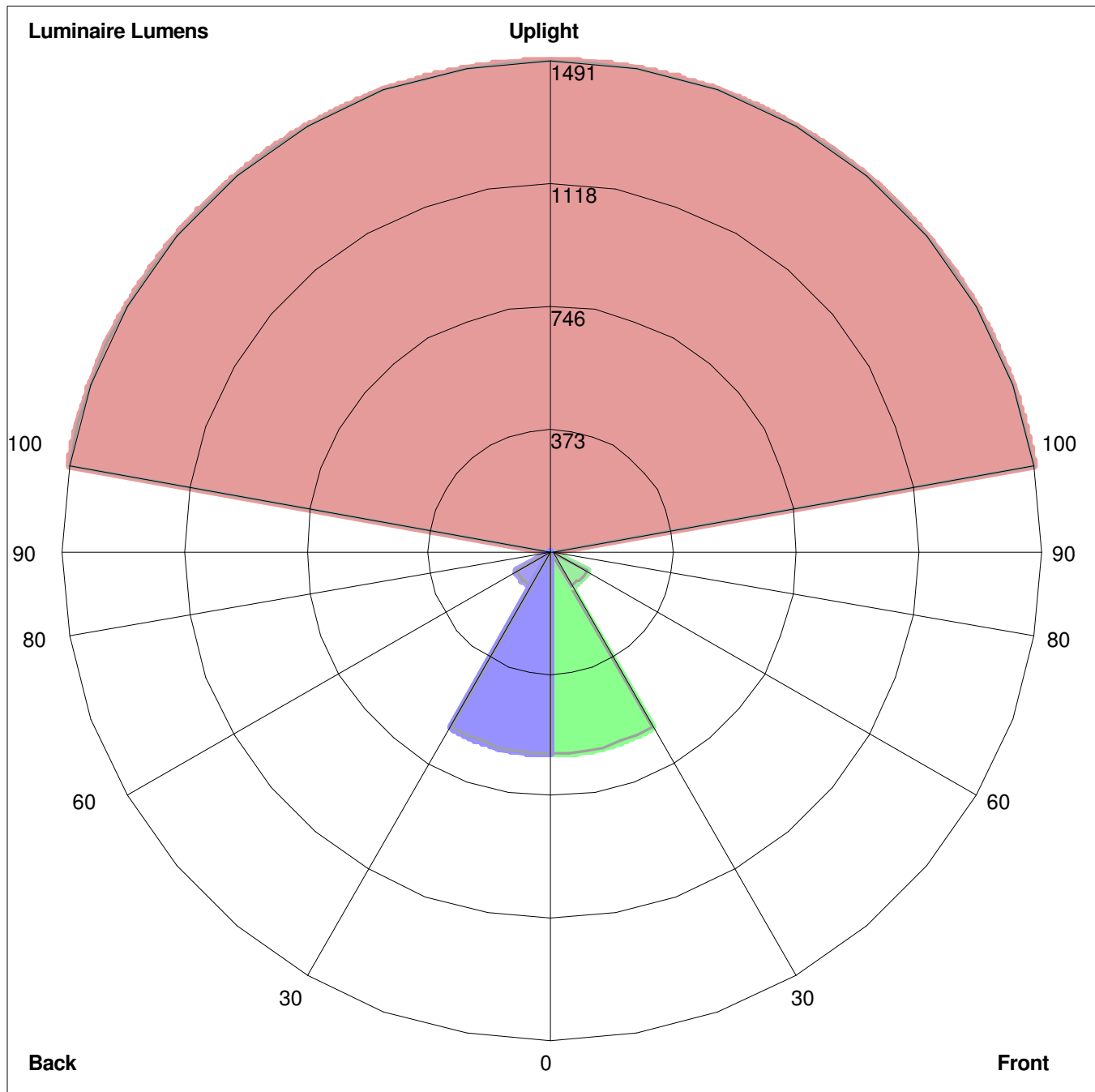
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=616.2, Medium=122.6, High=6.7, Very High=0.4
Back: Low=616.2, Medium=122.6, High=6.7, Very High=0.4
Uplight: Low=0.9, High= 1491.0

BUG Rating : B2-U5-G0