

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-830U-L10-830D-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-L10-830U-L10-830D-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	2122
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1324.107
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1324.107
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.33 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.912 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-830U-L10-830D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	406.8	N.A.	19.2
FM - Front-Medium (30-60)	118.3	N.A.	5.6
FH - Front-High (60-80)	5.0	N.A.	0.2
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	406.8	N.A.	19.2
BM - Back-Medium (30-60)	118.3	N.A.	5.6
BH - Back-High (60-80)	5.0	N.A.	0.2
BVH - Back-Very High (80-90)	0.3	N.A.	0.0
UL - Uplight-Low (90-100)	0.7	N.A.	0.0
UH - Uplight-High (100-180)	1060.3	N.A.	50.0
Total	2121.8	N.A.	100.0
BUG Rating	B1-U5-G0		

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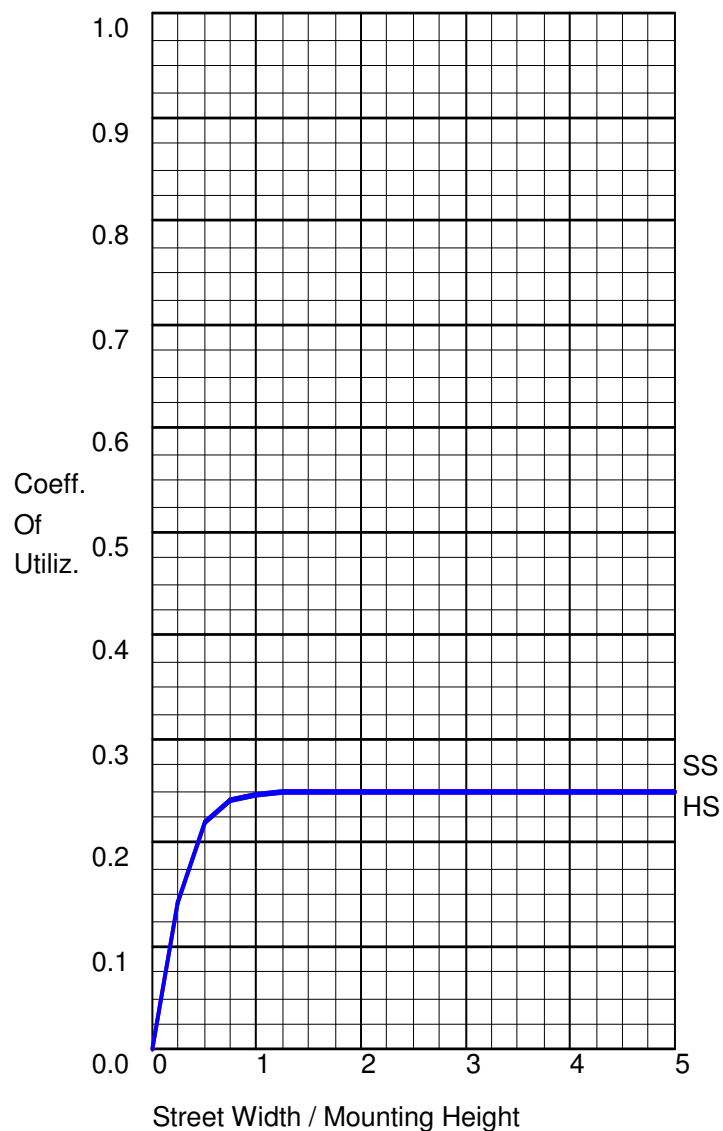
CANDELA TABULATION

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	1324.107	1324.107	1324.107	1324.107	1324.107	1324.107	1324.107	1324.107	1324.107
5	1318.141	1316.415	1319.097	1316.415	1318.141	1316.415	1319.097	1316.415	1318.141
10	1285.953	1285.556	1284.317	1285.556	1285.953	1285.556	1284.317	1285.556	1285.953
15	1180.471	1177.966	1180.148	1177.966	1180.471	1177.966	1180.148	1177.966	1180.471
20	1001.343	1000.164	1003.986	1000.164	1001.343	1000.164	1003.986	1000.164	1001.343
25	802.899	803.391	806.207	803.391	802.899	803.391	806.207	803.391	802.899
30	564.135	570.604	569.365	570.604	564.135	570.604	569.365	570.604	564.135
35	275.573	280.320	286.014	280.320	275.573	280.320	286.014	280.320	275.573
40	89.984	93.186	97.633	93.186	89.984	93.186	97.633	93.186	89.984
45	33.765	35.873	38.452	35.873	33.765	35.873	38.452	35.873	33.765
50	20.280	21.118	22.093	21.118	20.280	21.118	22.093	21.118	20.280
55	14.519	14.920	15.254	14.920	14.519	14.920	15.254	14.920	14.519
60	10.221	10.378	10.516	10.378	10.221	10.378	10.516	10.378	10.221
65	6.874	6.894	6.968	6.894	6.874	6.894	6.968	6.894	6.874
70	4.625	4.593	4.593	4.593	4.625	4.593	4.593	4.593	4.625
75	2.717	2.643	2.631	2.643	2.717	2.643	2.631	2.643	2.717
80	0.912	0.904	0.889	0.904	0.912	0.904	0.889	0.904	0.912
85	0.669	0.661	0.649	0.661	0.669	0.661	0.649	0.661	0.669
90	0.330	0.315	0.275	0.315	0.330	0.315	0.275	0.315	0.330
95	0.669	0.661	0.649	0.661	0.669	0.661	0.649	0.661	0.669
100	0.912	0.904	0.889	0.904	0.912	0.904	0.889	0.904	0.912
105	2.717	2.643	2.631	2.643	2.717	2.643	2.631	2.643	2.717
110	4.625	4.593	4.593	4.593	4.625	4.593	4.593	4.593	4.625
115	6.874	6.894	6.968	6.894	6.874	6.894	6.968	6.894	6.874
120	10.221	10.378	10.516	10.378	10.221	10.378	10.516	10.378	10.221
125	14.519	14.920	15.254	14.920	14.519	14.920	15.254	14.920	14.519
130	20.280	21.118	22.093	21.118	20.280	21.118	22.093	21.118	20.280
135	33.765	35.873	38.452	35.873	33.765	35.873	38.452	35.873	33.765
140	89.984	93.186	97.633	93.186	89.984	93.186	97.633	93.186	89.984
145	275.573	280.320	286.014	280.320	275.573	280.320	286.014	280.320	275.573
150	564.135	570.604	569.365	570.604	564.135	570.604	569.365	570.604	564.135
155	802.899	803.391	806.207	803.391	802.899	803.391	806.207	803.391	802.899
160	1001.343	1000.164	1003.986	1000.164	1001.343	1000.164	1003.986	1000.164	1001.343
165	1180.471	1177.966	1180.148	1177.966	1180.471	1177.966	1180.148	1177.966	1180.471
170	1285.953	1285.556	1284.317	1285.556	1285.953	1285.556	1284.317	1285.556	1285.953
175	1318.141	1316.415	1319.097	1316.415	1318.141	1316.415	1319.097	1316.415	1318.141
180	1324.087	1324.087	1324.087	1324.087	1324.087	1324.087	1324.087	1324.087	1324.087

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COEFFICIENTS OF UTILIZATION



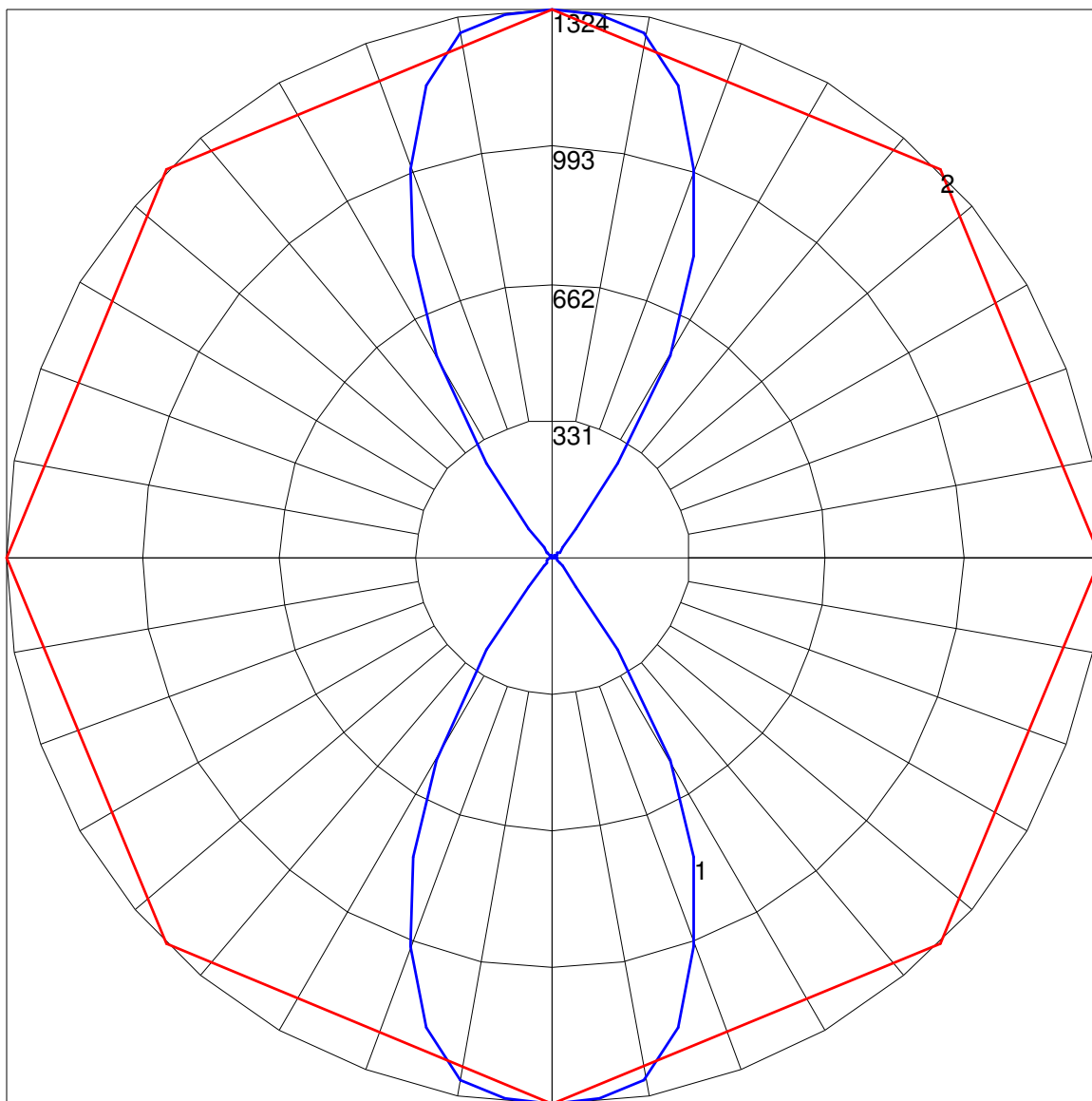
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	530.5	25.0
Downward House Side	530.5	25.0
Downward Total	1061.0	50.0
Upward Street Side	530.5	25.0
Upward House Side	530.5	25.0
Upward Total	1061.0	50.0
Total Flux	2122.0	100.0

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POLAR GRAPH



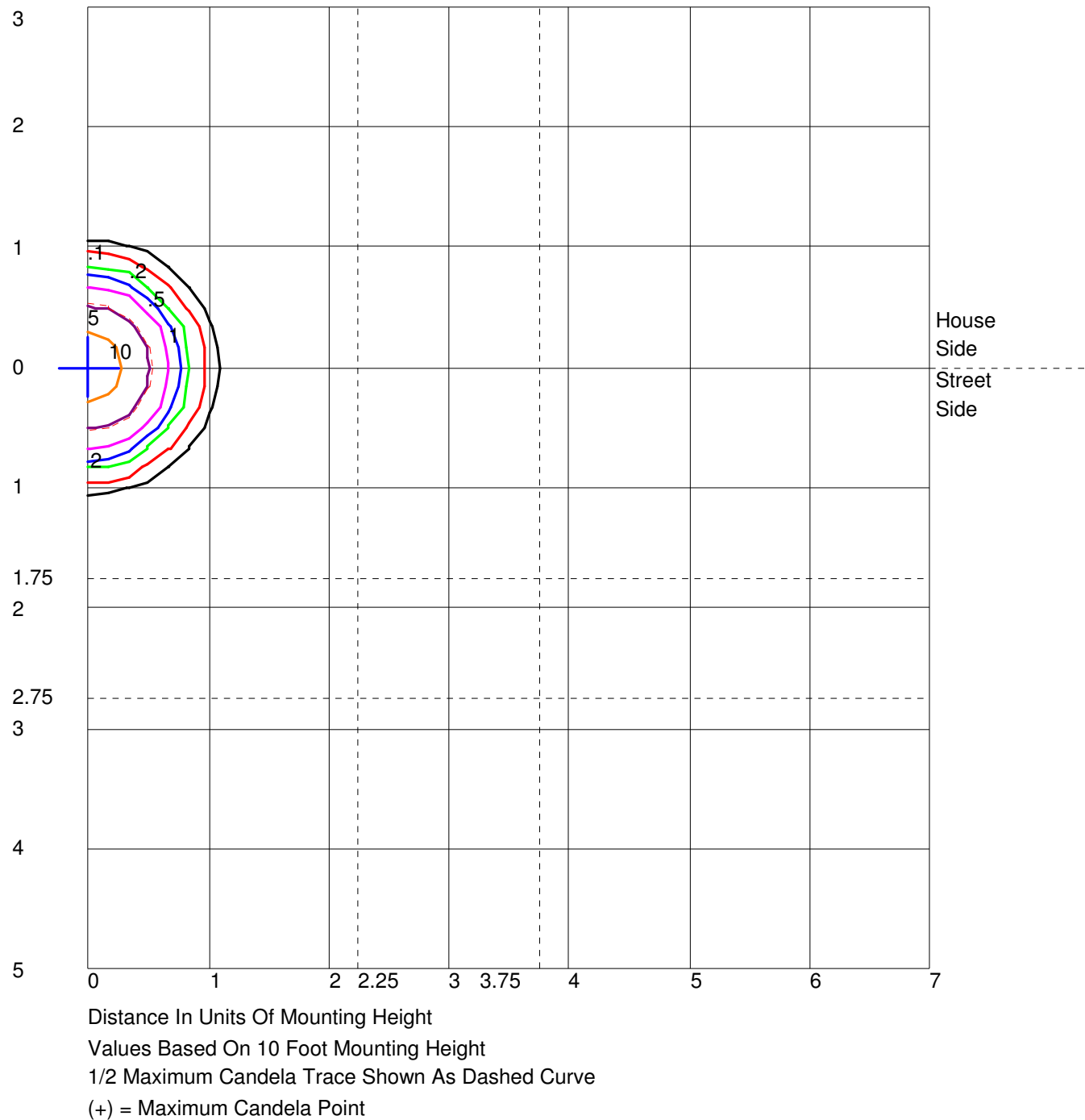
Maximum Candela = 1324.107 Located At Horizontal Angle = 360, Vertical Angle = 0

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

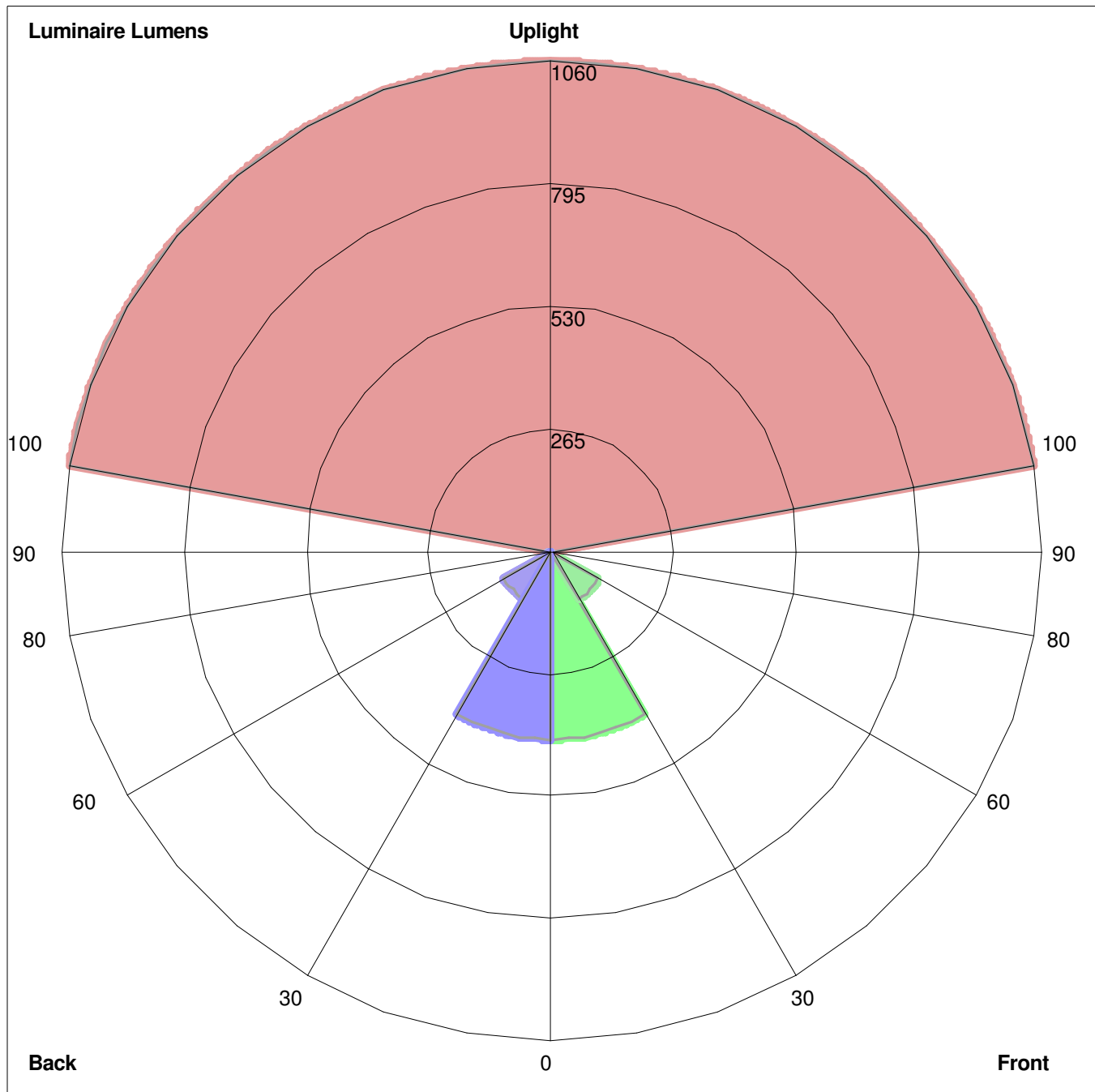
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=406.8, Medium=118.3, High=5.0, Very High=0.3
Back: Low=406.8, Medium=118.3, High=5.0, Very High=0.3
Uplight: Low=0.7, High=1060.3

BUG Rating : B1-U5-G0