

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-850U-L15-850D-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-L15-850U-L15-850D-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	3045
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2859.866
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2859.866
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.426 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.212 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-850U-L15-850D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	628.9	N.A.	20.6
FM - Front-Medium (30-60)	125.1	N.A.	4.1
FH - Front-High (60-80)	6.9	N.A.	0.2
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	628.9	N.A.	20.6
BM - Back-Medium (30-60)	125.1	N.A.	4.1
BH - Back-High (60-80)	6.9	N.A.	0.2
BVH - Back-Very High (80-90)	0.5	N.A.	0.0
UL - Uplight-Low (90-100)	0.9	N.A.	0.0
UH - Uplight-High (100-180)	1521.7	N.A.	50.0
Total	3045.4	N.A.	100.0
BUG Rating	B2-U5-G0		

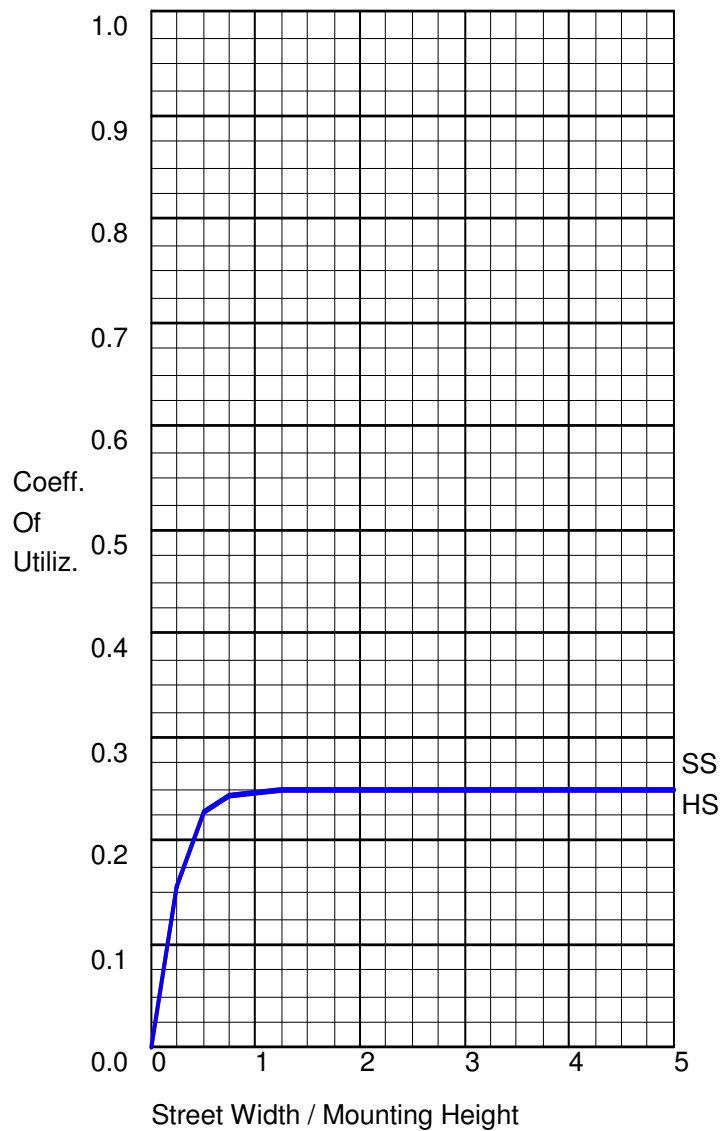
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CANDELA TABULATION

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	2859.866	2859.866	2859.866	2859.866	2859.866	2859.866	2859.866	2859.866	2859.866
5	2764.124	2757.368	2754.665	2757.368	2764.124	2757.368	2754.665	2757.368	2764.124
10	2449.551	2448.835	2443.325	2448.835	2449.551	2448.835	2443.325	2448.835	2449.551
15	1941.379	1943.722	1953.454	1943.722	1941.379	1943.722	1953.454	1943.722	1941.379
20	1416.015	1425.168	1441.241	1425.168	1416.015	1425.168	1441.241	1425.168	1416.015
25	1002.799	1010.309	1021.597	1010.309	1002.799	1010.309	1021.597	1010.309	1002.799
30	639.014	650.811	653.869	650.811	639.014	650.811	653.869	650.811	639.014
35	279.112	284.044	288.348	284.044	279.112	284.044	288.348	284.044	279.112
40	78.616	80.964	85.301	80.964	78.616	80.964	85.301	80.964	78.616
45	33.052	34.963	37.765	34.963	33.052	34.963	37.765	34.963	33.052
50	25.029	25.859	26.908	25.859	25.029	25.859	26.908	25.859	25.029
55	19.972	20.354	20.726	20.354	19.972	20.354	20.726	20.354	19.972
60	14.101	14.243	14.478	14.243	14.101	14.243	14.478	14.243	14.101
65	9.415	9.426	9.574	9.426	9.415	9.426	9.574	9.426	9.415
70	6.406	6.352	6.417	6.352	6.406	6.352	6.417	6.352	6.406
75	3.812	3.714	3.746	3.714	3.812	3.714	3.746	3.714	3.812
80	1.212	1.196	1.180	1.196	1.212	1.196	1.180	1.196	1.212
85	0.879	0.879	0.868	0.879	0.879	0.879	0.868	0.879	0.879
90	0.426	0.415	0.360	0.415	0.426	0.415	0.360	0.415	0.426
95	0.879	0.879	0.868	0.879	0.879	0.879	0.868	0.879	0.879
100	1.212	1.196	1.180	1.196	1.212	1.196	1.180	1.196	1.212
105	3.812	3.714	3.746	3.714	3.812	3.714	3.746	3.714	3.812
110	6.406	6.352	6.417	6.352	6.406	6.352	6.417	6.352	6.406
115	9.415	9.426	9.574	9.426	9.415	9.426	9.574	9.426	9.415
120	14.101	14.243	14.478	14.243	14.101	14.243	14.478	14.243	14.101
125	19.972	20.354	20.726	20.354	19.972	20.354	20.726	20.354	19.972
130	25.029	25.859	26.908	25.859	25.029	25.859	26.908	25.859	25.029
135	33.052	34.963	37.765	34.963	33.052	34.963	37.765	34.963	33.052
140	78.616	80.964	85.301	80.964	78.616	80.964	85.301	80.964	78.616
145	279.112	284.044	288.348	284.044	279.112	284.044	288.348	284.044	279.112
150	639.014	650.811	653.869	650.811	639.014	650.811	653.869	650.811	639.014
155	1002.799	1010.309	1021.597	1010.309	1002.799	1010.309	1021.597	1010.309	1002.799
160	1416.015	1425.168	1441.241	1425.168	1416.015	1425.168	1441.241	1425.168	1416.015
165	1941.379	1943.722	1953.454	1943.722	1941.379	1943.722	1953.454	1943.722	1941.379
170	2449.551	2448.835	2443.325	2448.835	2449.551	2448.835	2443.325	2448.835	2449.551
175	2764.124	2757.368	2754.665	2757.368	2764.124	2757.368	2754.665	2757.368	2764.124
180	2859.555	2859.555	2859.555	2859.555	2859.555	2859.555	2859.555	2859.555	2859.555

COEFFICIENTS OF UTILIZATION



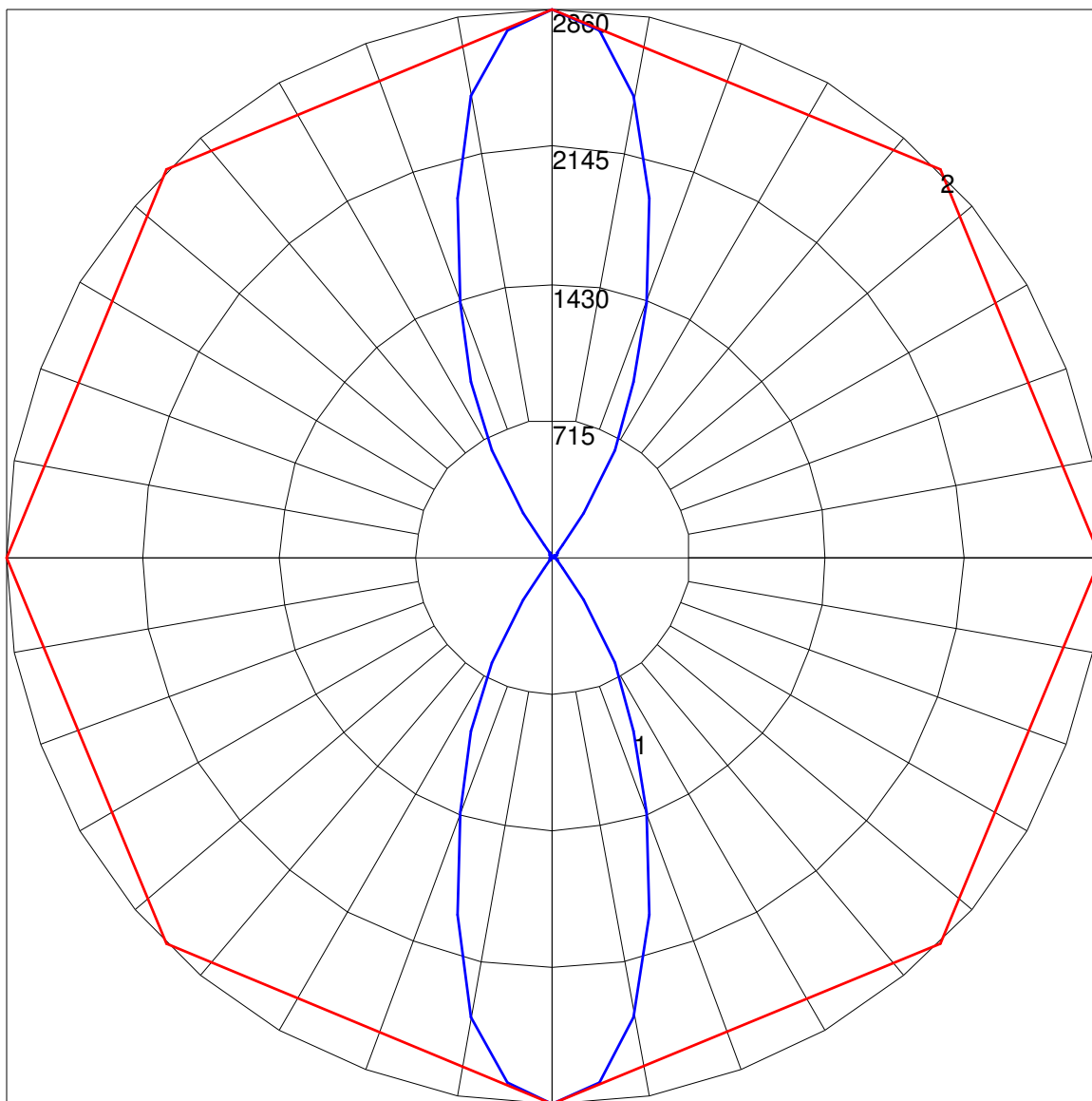
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	761.3	25.0
Downward House Side	761.3	25.0
Downward Total	1522.6	50.0
Upward Street Side	761.3	25.0
Upward House Side	761.3	25.0
Upward Total	1522.6	50.0
Total Flux	3045.2	100.0

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POLAR GRAPH



Maximum Candela = 2859.866 Located At Horizontal Angle = 360, Vertical Angle = 0

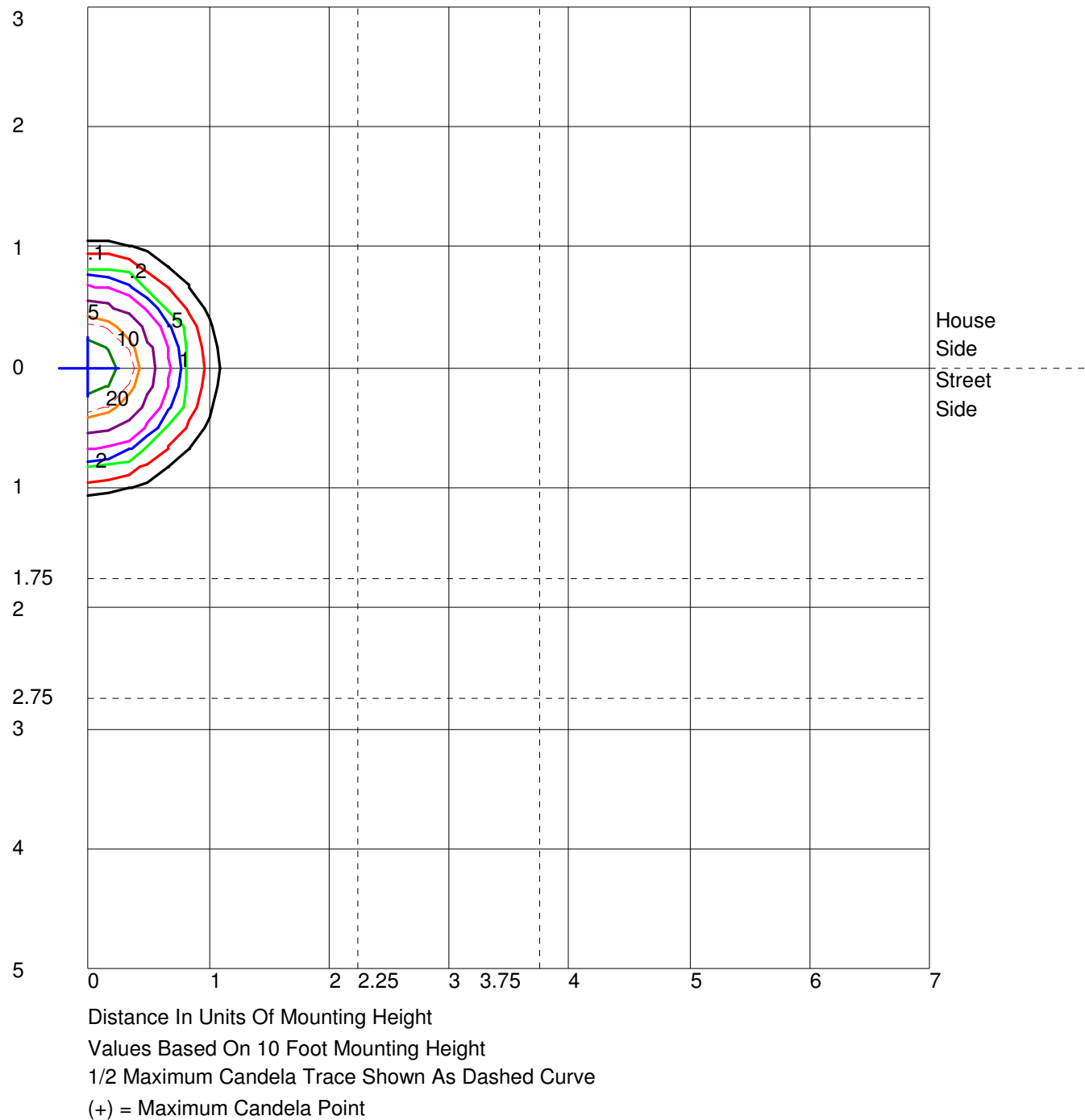
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

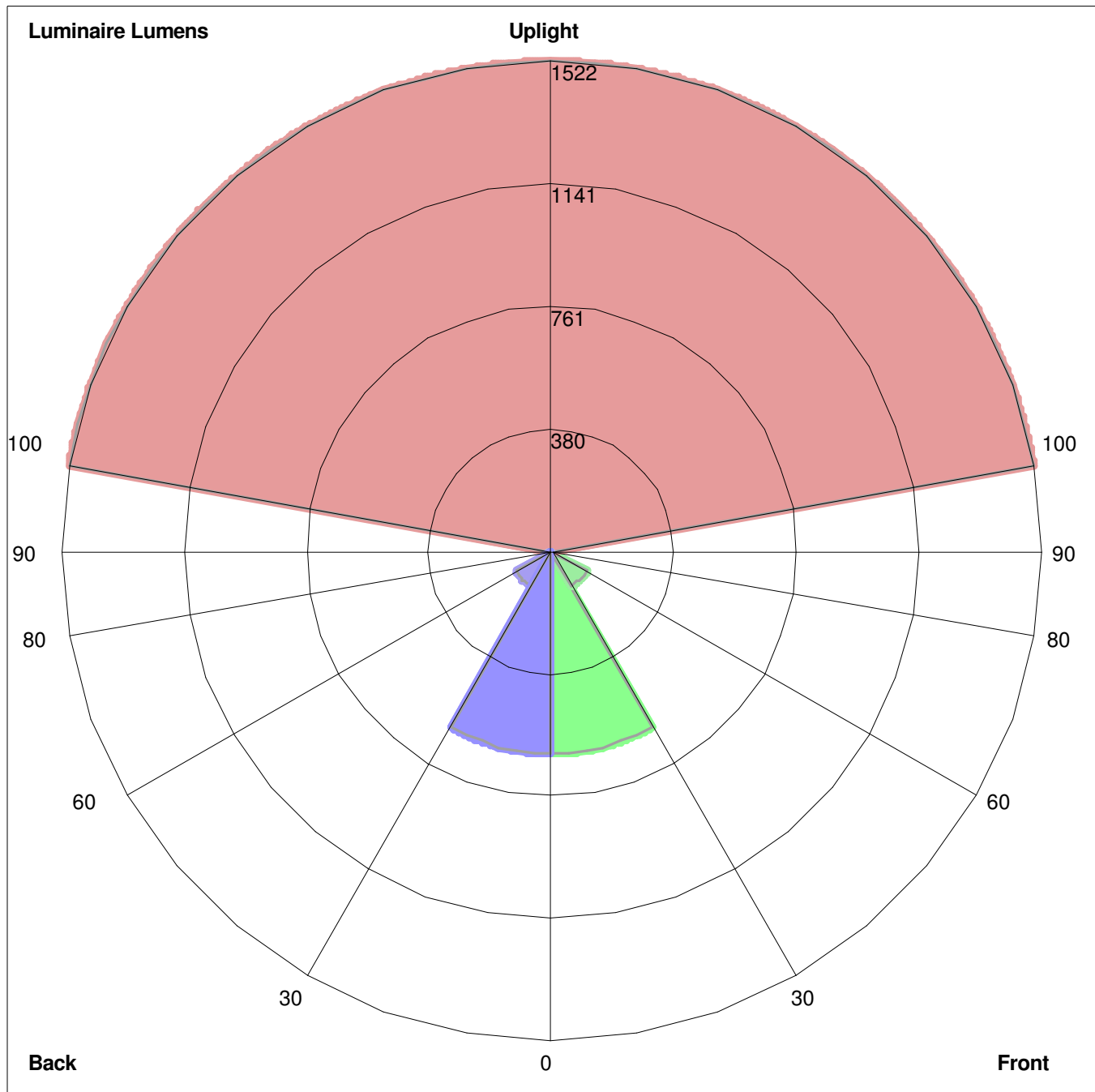
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=628.9, Medium=125.1, High=6.9, Very High=0.5
Back: Low=628.9, Medium=125.1, High=6.9, Very High=0.5
Uplight: Low=0.9, High=1521.7

BUG Rating : B2-U5-G0