

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L40-930U-L40-930D-XXX-DIM-UNV-W-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-XW_(V18)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-08-06
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CRDI-xx-L40-930U-L40-930D-xxx-DIM-UNV-W-xx
[LUMINAIRE] 6 INCH ROUND DIRECT INDIRECT WET LOCATION LED
[MORE] CYLINDER WITH WIDE DIST
[LAMPCAT] BL VERO 18
[LAMP] LED
[OTHER] Absolute Photometry

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7685
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	73.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	3201.347
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	3201.347
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	2.128 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	19.845 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L40-930U-L40-930D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1020.1	N.A.	13.3
FM - Front-Medium (30-60)	771.1	N.A.	10.0
FH - Front-High (60-80)	125.4	N.A.	1.6
FVH - Front-Very High (80-90)	4.7	N.A.	0.1
BL - Back-Low (0-30)	1020.1	N.A.	13.3
BM - Back-Medium (30-60)	771.1	N.A.	10.0
BH - Back-High (60-80)	125.4	N.A.	1.6
BVH - Back-Very High (80-90)	4.7	N.A.	0.1
UL - Uplight-Low (90-100)	9.3	N.A.	0.1
UH - Uplight-High (100-180)	3833.1	N.A.	49.9
Total	7685.0	N.A.	100.0
BUG Rating	B3-U5-G0		

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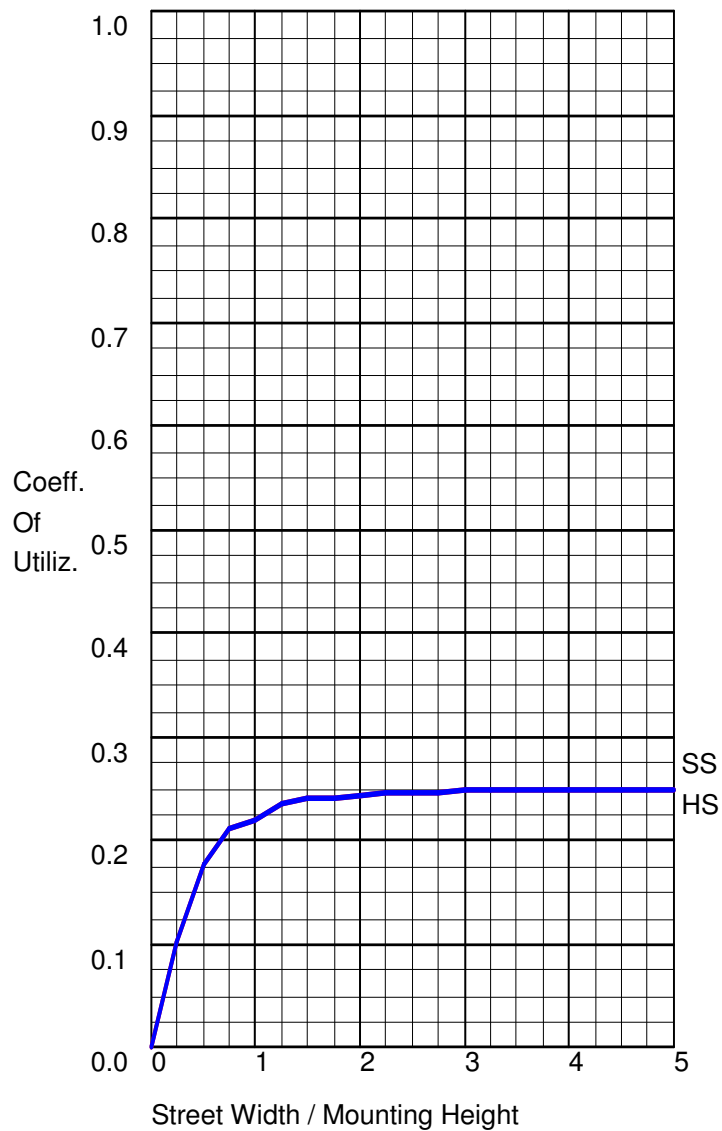
CANDELA TABULATION

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	3201.347	3201.347	3201.347	3201.347	3201.347	3201.347	3201.347	3201.347	3201.347
5	3168.362	3166.618	3160.991	3166.618	3168.362	3166.618	3160.991	3166.618	3168.362
10	2970.834	2966.411	2963.565	2966.411	2970.834	2966.411	2963.565	2966.411	2970.834
15	2660.106	2667.554	2664.888	2667.554	2660.106	2667.554	2664.888	2667.554	2660.106
20	2386.684	2391.671	2392.479	2391.671	2386.684	2391.671	2392.479	2391.671	2386.684
25	2194.758	2189.002	2190.143	2189.002	2194.758	2189.002	2190.143	2189.002	2194.758
30	1882.775	1858.904	1863.827	1858.904	1882.775	1858.904	1863.827	1858.904	1882.775
35	1131.480	1132.172	1142.569	1132.172	1131.480	1132.172	1142.569	1132.172	1131.480
40	688.605	696.618	701.297	696.618	688.605	696.618	701.297	696.618	688.605
45	582.611	583.175	581.534	583.175	582.611	583.175	581.534	583.175	582.611
50	486.026	486.180	485.078	486.180	486.026	486.180	485.078	486.180	486.026
55	384.980	384.493	382.685	384.493	384.980	384.493	382.685	384.493	384.980
60	279.165	278.460	276.781	278.460	279.165	278.460	276.781	278.460	279.165
65	186.208	185.696	184.978	185.696	186.208	185.696	184.978	185.696	186.208
70	110.430	110.430	110.417	110.430	110.430	110.430	110.417	110.430	110.430
75	54.651	54.766	54.805	54.766	54.651	54.766	54.805	54.766	54.651
80	19.589	19.781	19.845	19.781	19.589	19.781	19.845	19.781	19.589
85	6.320	6.333	6.282	6.333	6.320	6.333	6.282	6.333	6.320
90	1.667	1.872	2.128	1.872	1.667	1.872	2.128	1.872	1.667
95	6.320	6.333	6.282	6.333	6.320	6.333	6.282	6.333	6.320
100	19.589	19.781	19.845	19.781	19.589	19.781	19.845	19.781	19.589
105	54.651	54.766	54.805	54.766	54.651	54.766	54.805	54.766	54.651
110	110.430	110.430	110.417	110.430	110.430	110.430	110.417	110.430	110.430
115	186.208	185.696	184.978	185.696	186.208	185.696	184.978	185.696	186.208
120	279.165	278.460	276.781	278.460	279.165	278.460	276.781	278.460	279.165
125	384.980	384.493	382.685	384.493	384.980	384.493	382.685	384.493	384.980
130	486.026	486.180	485.078	486.180	486.026	486.180	485.078	486.180	486.026
135	582.611	583.175	581.534	583.175	582.611	583.175	581.534	583.175	582.611
140	688.605	696.618	701.297	696.618	688.605	696.618	701.297	696.618	688.605
145	1131.480	1132.172	1142.569	1132.172	1131.480	1132.172	1142.569	1132.172	1131.480
150	1882.775	1858.904	1863.827	1858.904	1882.775	1858.904	1863.827	1858.904	1882.775
155	2194.758	2189.002	2190.143	2189.002	2194.758	2189.002	2190.143	2189.002	2194.758
160	2386.684	2391.671	2392.479	2391.671	2386.684	2391.671	2392.479	2391.671	2386.684
165	2660.106	2667.554	2664.888	2667.554	2660.106	2667.554	2664.888	2667.554	2660.106
170	2970.834	2966.411	2963.565	2966.411	2970.834	2966.411	2963.565	2966.411	2970.834
175	3168.362	3166.618	3160.991	3166.618	3168.362	3166.618	3160.991	3166.618	3168.362
180	3201.117	3201.117	3201.117	3201.117	3201.117	3201.117	3201.117	3201.117	3201.117

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COEFFICIENTS OF UTILIZATION



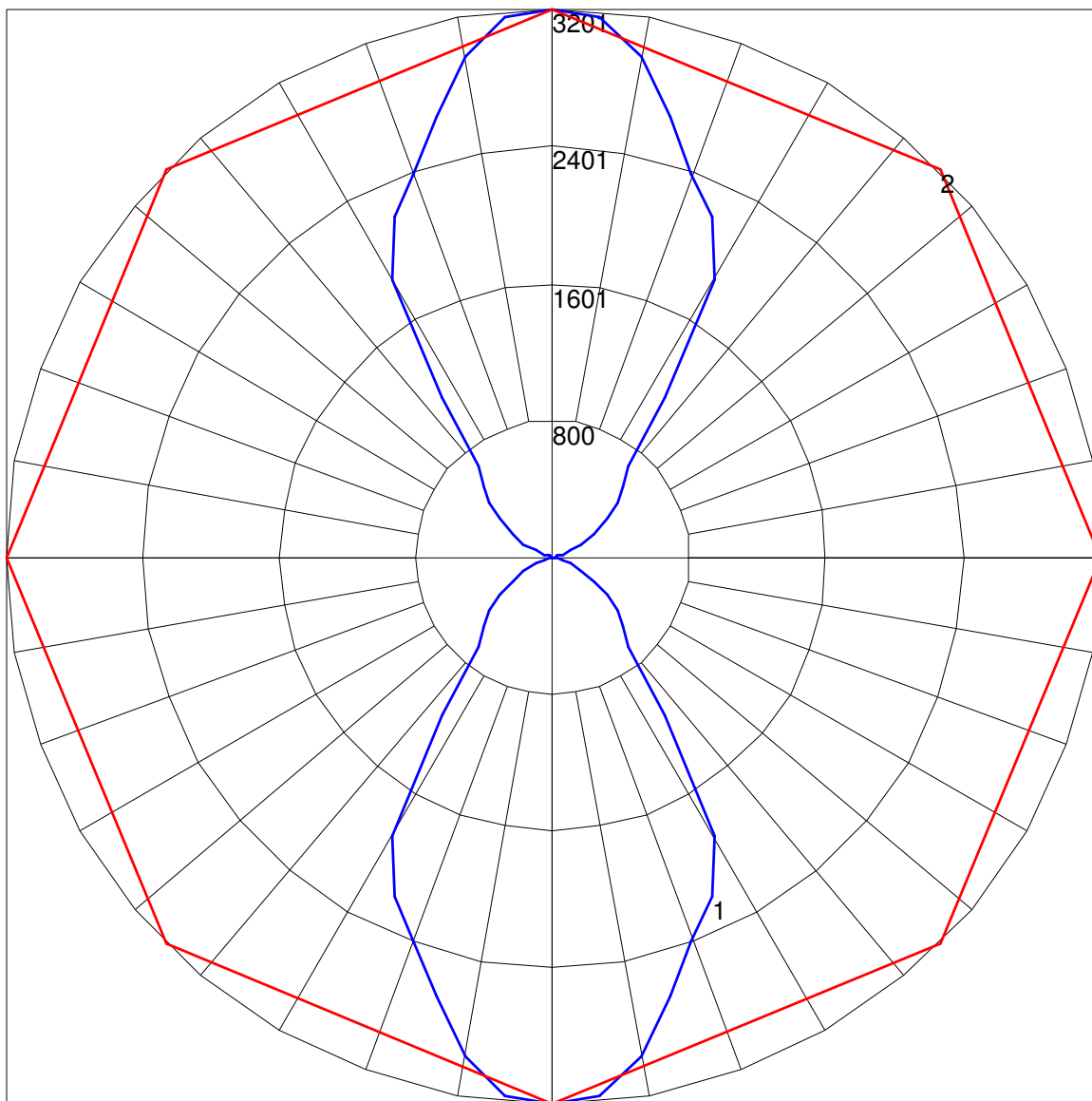
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1921.2	25.0
Downward House Side	1921.2	25.0
Downward Total	3842.4	50.0
Upward Street Side	1921.2	25.0
Upward House Side	1921.2	25.0
Upward Total	3842.4	50.0
Total Flux	7684.8	100.0

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POLAR GRAPH



Maximum Candela = 3201.347 Located At Horizontal Angle = 360, Vertical Angle = 0

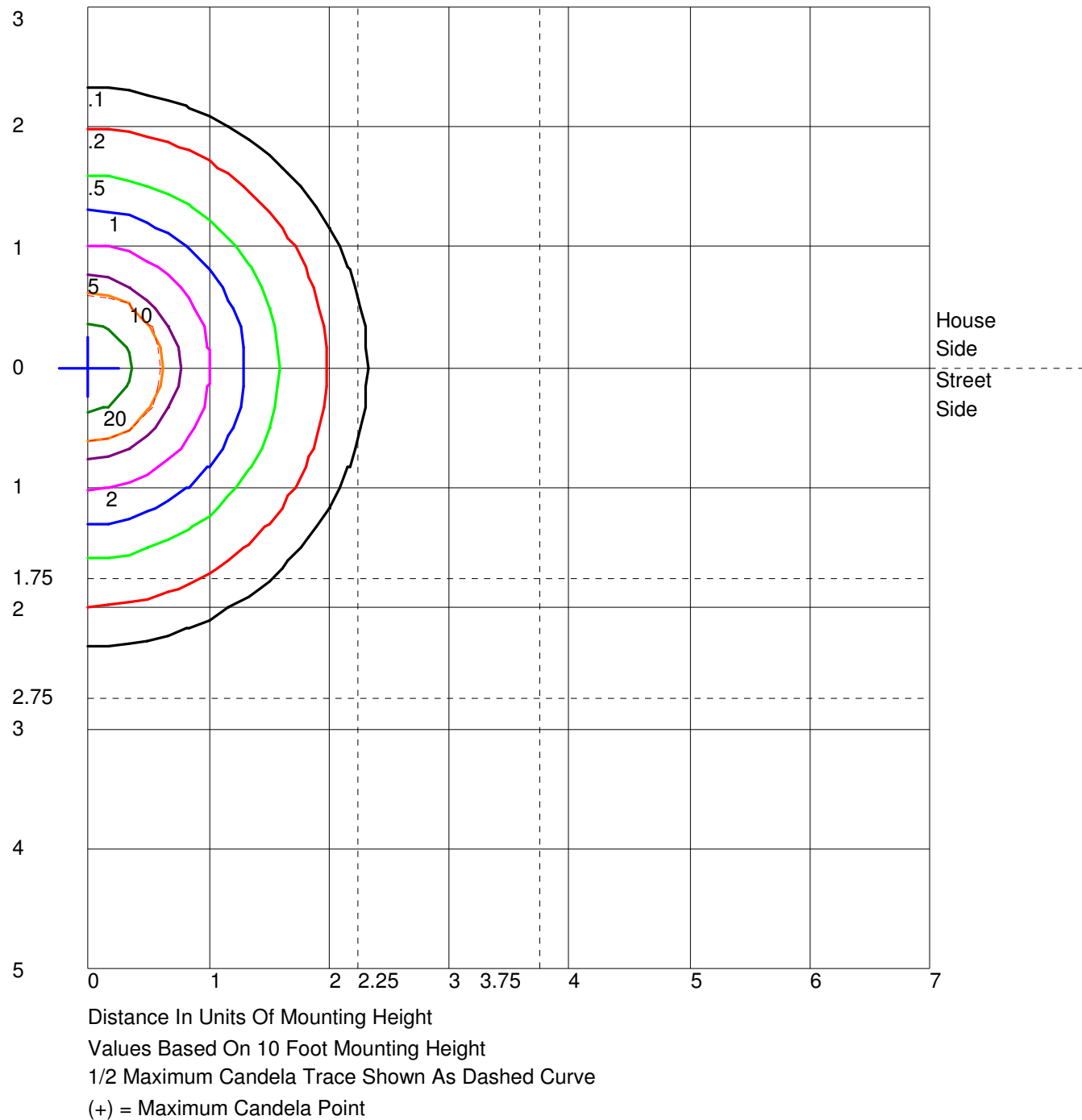
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

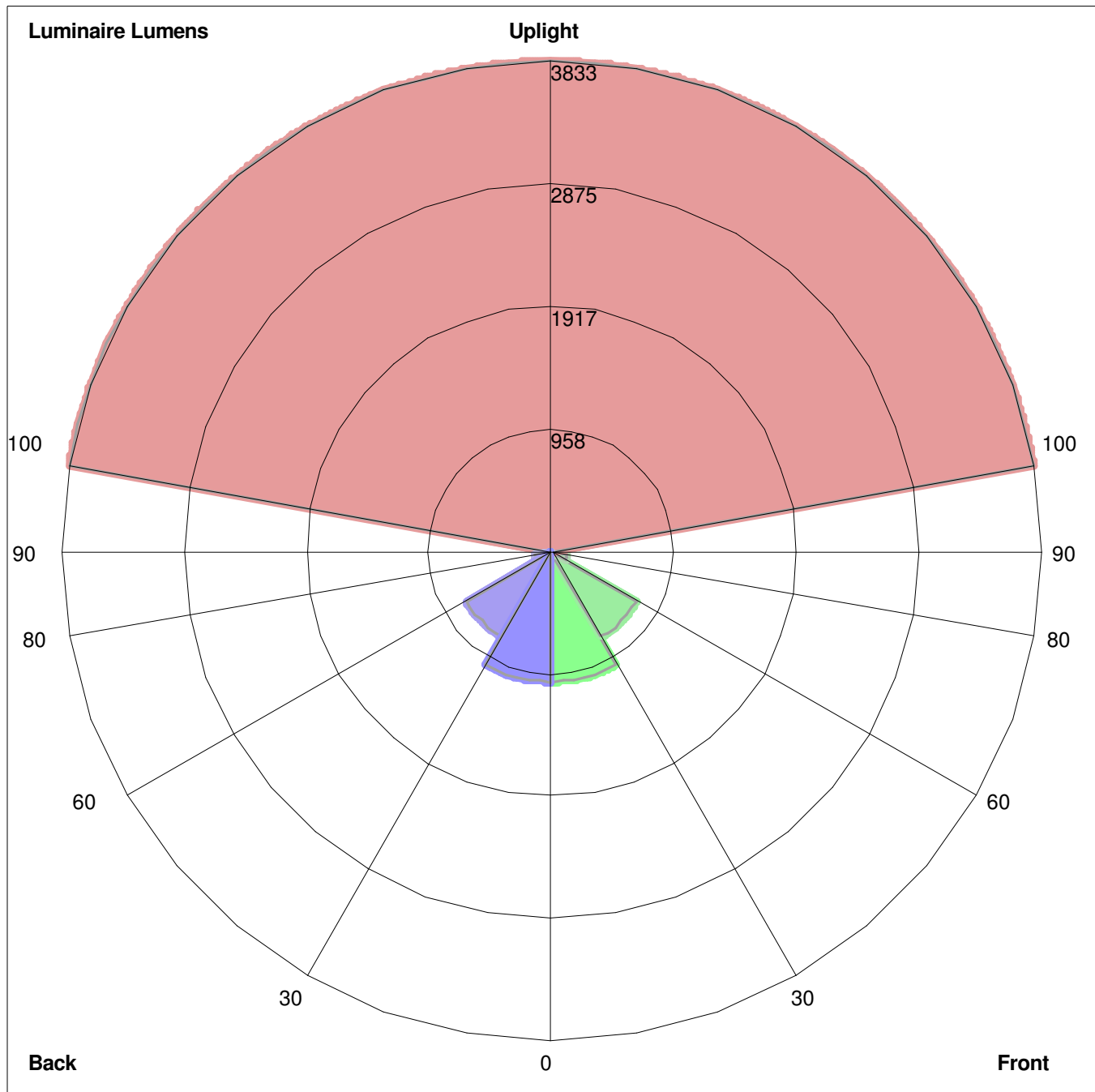
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1020.1, Medium=771.1, High=125.4, Very High=4.7
Back: Low=1020.1, Medium=771.1, High=125.4, Very High=4.7
Uplight: Low=9.3, High=3833.1

BUG Rating : B3-U5-G0