

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L40-950U-L40-950D-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-L40-950U-L40-950D-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	7604
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	73.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	3167.648
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	3167.648
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	2.106 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	19.636 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L40-950U-L40-950D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1009.3	N.A.	13.3
FM - Front-Medium (30-60)	763.0	N.A.	10.0
FH - Front-High (60-80)	124.1	N.A.	1.6
FVH - Front-Very High (80-90)	4.6	N.A.	0.1
BL - Back-Low (0-30)	1009.3	N.A.	13.3
BM - Back-Medium (30-60)	763.0	N.A.	10.0
BH - Back-High (60-80)	124.1	N.A.	1.6
BVH - Back-Very High (80-90)	4.6	N.A.	0.1
UL - Uplight-Low (90-100)	9.2	N.A.	0.1
UH - Uplight-High (100-180)	3792.8	N.A.	49.9
Total	7604.0	N.A.	100.0
BUG Rating	B3-U5-G0		

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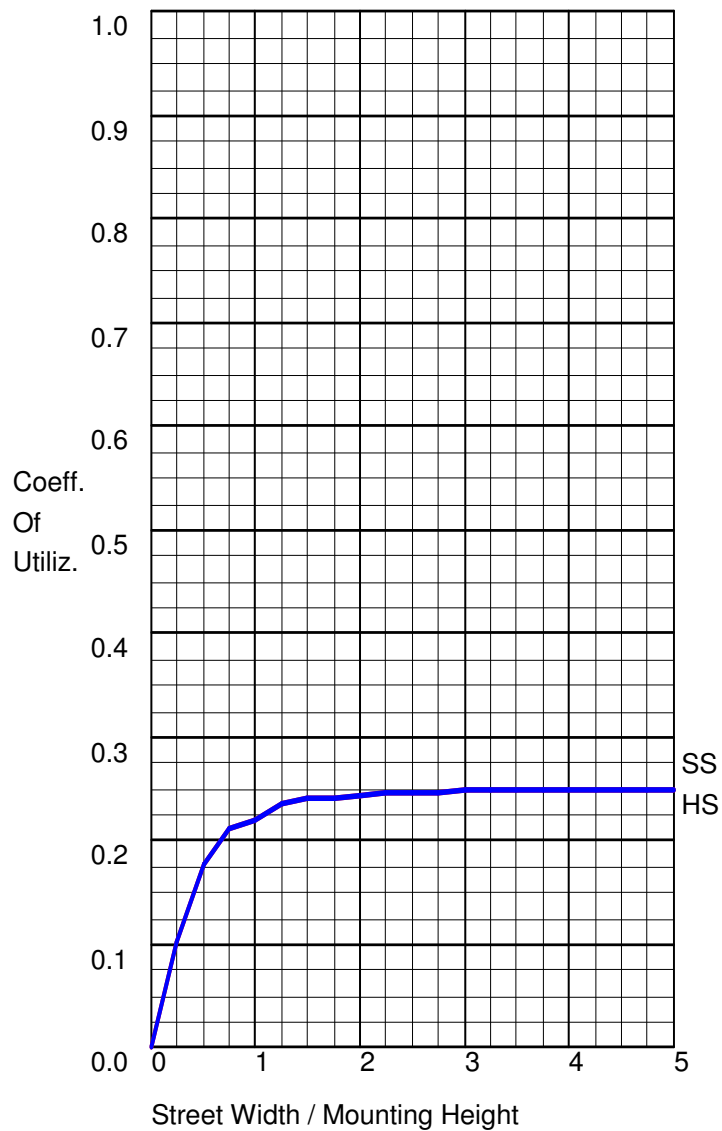
CANDELA TABULATION

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	3167.648	3167.648	3167.648	3167.648	3167.648	3167.648	3167.648	3167.648	3167.648
5	3135.010	3133.284	3127.716	3133.284	3135.010	3133.284	3127.716	3133.284	3135.010
10	2939.561	2935.184	2932.368	2935.184	2939.561	2935.184	2932.368	2935.184	2939.561
15	2632.104	2639.474	2636.835	2639.474	2632.104	2639.474	2636.835	2639.474	2632.104
20	2361.560	2366.495	2367.294	2366.495	2361.560	2366.495	2367.294	2366.495	2361.560
25	2171.655	2165.959	2167.088	2165.959	2171.655	2165.959	2167.088	2165.959	2171.655
30	1862.955	1839.336	1844.207	1839.336	1862.955	1839.336	1844.207	1839.336	1862.955
35	1119.569	1120.254	1130.542	1120.254	1119.569	1120.254	1130.542	1120.254	1119.569
40	681.357	689.285	693.915	689.285	681.357	689.285	693.915	689.285	681.357
45	576.478	577.036	575.412	577.036	576.478	577.036	575.412	577.036	576.478
50	480.910	481.062	479.971	481.062	480.910	481.062	479.971	481.062	480.910
55	380.928	380.446	378.657	380.446	380.928	380.446	378.657	380.446	380.928
60	276.226	275.529	273.867	275.529	276.226	275.529	273.867	275.529	276.226
65	184.248	183.741	183.030	183.741	184.248	183.741	183.030	183.741	184.248
70	109.268	109.268	109.255	109.268	109.268	109.268	109.255	109.268	109.268
75	54.076	54.190	54.228	54.190	54.076	54.190	54.228	54.190	54.076
80	19.383	19.573	19.636	19.573	19.383	19.573	19.636	19.573	19.383
85	6.254	6.266	6.216	6.266	6.254	6.266	6.216	6.266	6.254
90	1.649	1.852	2.106	1.852	1.649	1.852	2.106	1.852	1.649
95	6.254	6.266	6.216	6.266	6.254	6.266	6.216	6.266	6.254
100	19.383	19.573	19.636	19.573	19.383	19.573	19.636	19.573	19.383
105	54.076	54.190	54.228	54.190	54.076	54.190	54.228	54.190	54.076
110	109.268	109.268	109.255	109.268	109.268	109.268	109.255	109.268	109.268
115	184.248	183.741	183.030	183.741	184.248	183.741	183.030	183.741	184.248
120	276.226	275.529	273.867	275.529	276.226	275.529	273.867	275.529	276.226
125	380.928	380.446	378.657	380.446	380.928	380.446	378.657	380.446	380.928
130	480.910	481.062	479.971	481.062	480.910	481.062	479.971	481.062	480.910
135	576.478	577.036	575.412	577.036	576.478	577.036	575.412	577.036	576.478
140	681.357	689.285	693.915	689.285	681.357	689.285	693.915	689.285	681.357
145	1119.569	1120.254	1130.542	1120.254	1119.569	1120.254	1130.542	1120.254	1119.569
150	1862.955	1839.336	1844.207	1839.336	1862.955	1839.336	1844.207	1839.336	1862.955
155	2171.655	2165.959	2167.088	2165.959	2171.655	2165.959	2167.088	2165.959	2171.655
160	2361.560	2366.495	2367.294	2366.495	2361.560	2366.495	2367.294	2366.495	2361.560
165	2632.104	2639.474	2636.835	2639.474	2632.104	2639.474	2636.835	2639.474	2632.104
170	2939.561	2935.184	2932.368	2935.184	2939.561	2935.184	2932.368	2935.184	2939.561
175	3135.010	3133.284	3127.716	3133.284	3135.010	3133.284	3127.716	3133.284	3135.010
180	3167.419	3167.419	3167.419	3167.419	3167.419	3167.419	3167.419	3167.419	3167.419

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COEFFICIENTS OF UTILIZATION



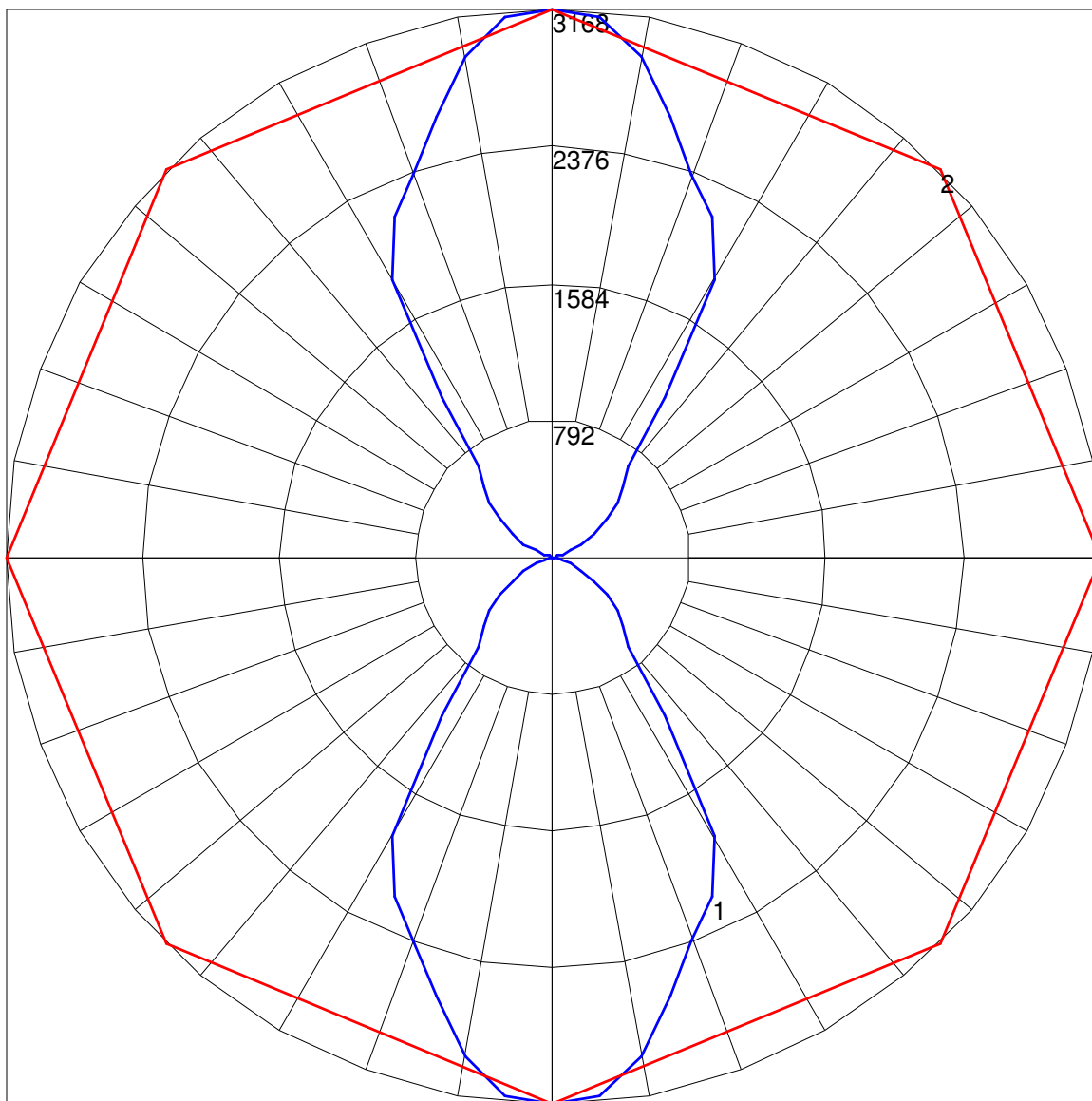
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1901.0	25.0
Downward House Side	1901.0	25.0
Downward Total	3802.0	50.0
Upward Street Side	1901.0	25.0
Upward House Side	1901.0	25.0
Upward Total	3802.0	50.0
Total Flux	7604.0	100.0

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POLAR GRAPH



Maximum Candela = 3167.648 Located At Horizontal Angle = 360, Vertical Angle = 0

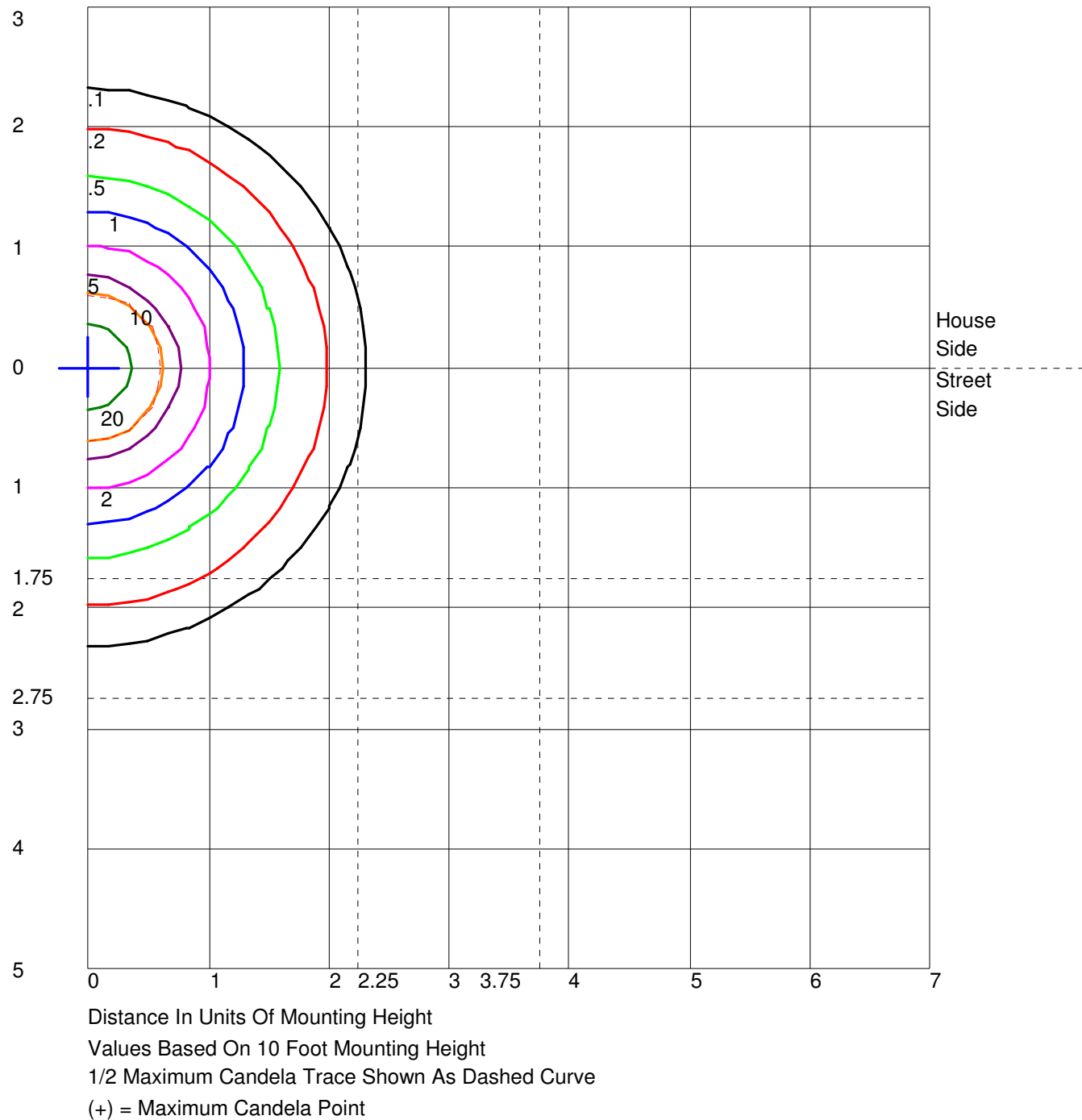
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

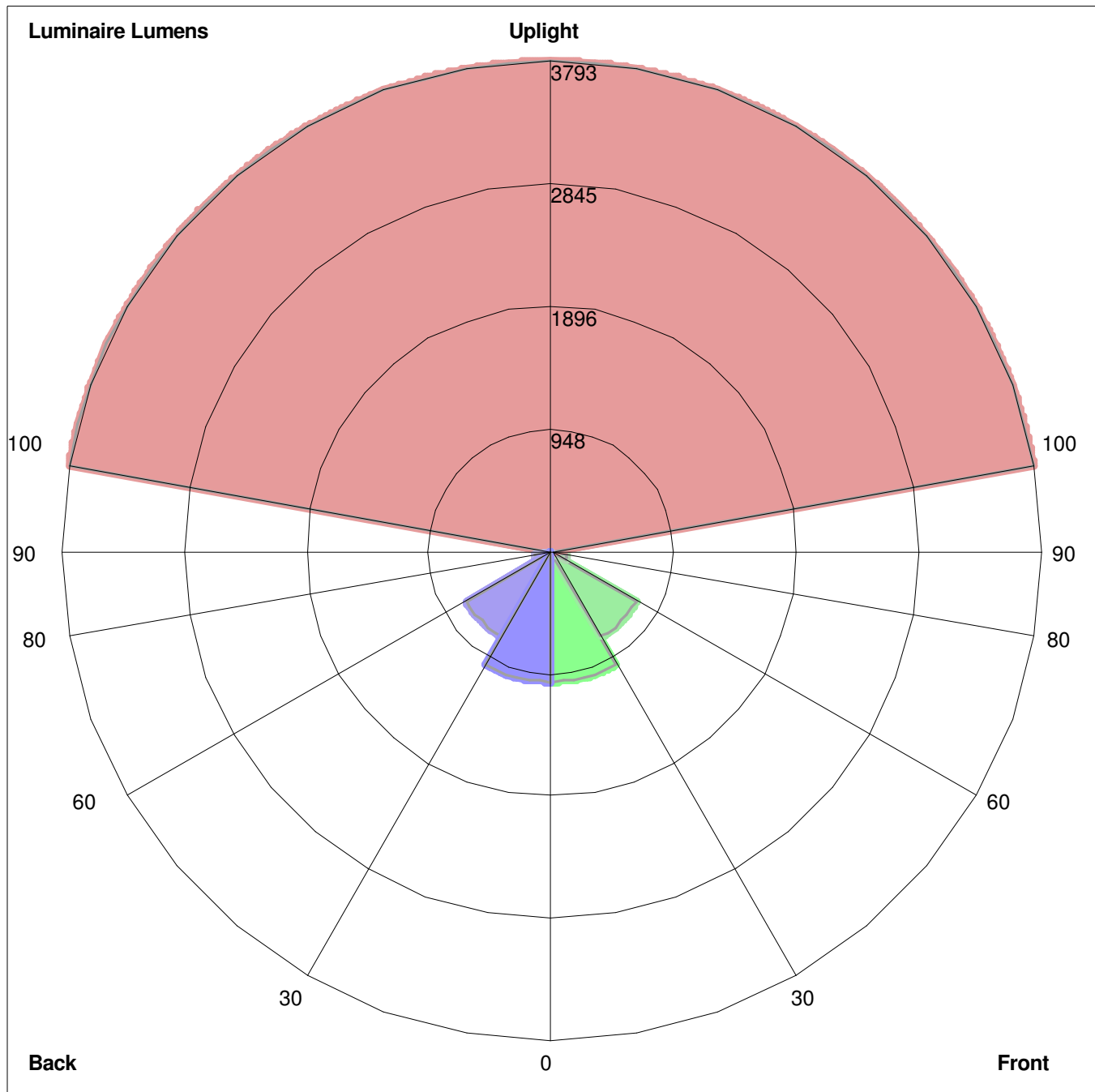
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1009.3, Medium=763.0, High=124.1, Very High=4.6
Back: Low=1009.3, Medium=763.0, High=124.1, Very High=4.6
Uplight: Low=9.2, High=3792.8

BUG Rating : B3-U5-G0