

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L40-940U-L40-940D-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-L40-940U-L40-940D-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	7847
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	73.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	3268.744
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	3268.744
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	2.173 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	20.263 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L40-940U-L40-940D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1041.5	N.A.	13.3
FM - Front-Medium (30-60)	787.3	N.A.	10.0
FH - Front-High (60-80)	128.1	N.A.	1.6
FVH - Front-Very High (80-90)	4.8	N.A.	0.1
BL - Back-Low (0-30)	1041.5	N.A.	13.3
BM - Back-Medium (30-60)	787.3	N.A.	10.0
BH - Back-High (60-80)	128.1	N.A.	1.6
BVH - Back-Very High (80-90)	4.8	N.A.	0.1
UL - Uplight-Low (90-100)	9.5	N.A.	0.1
UH - Uplight-High (100-180)	3913.8	N.A.	49.9
Total	7846.7	N.A.	100.0
BUG Rating	B3-U5-G0		

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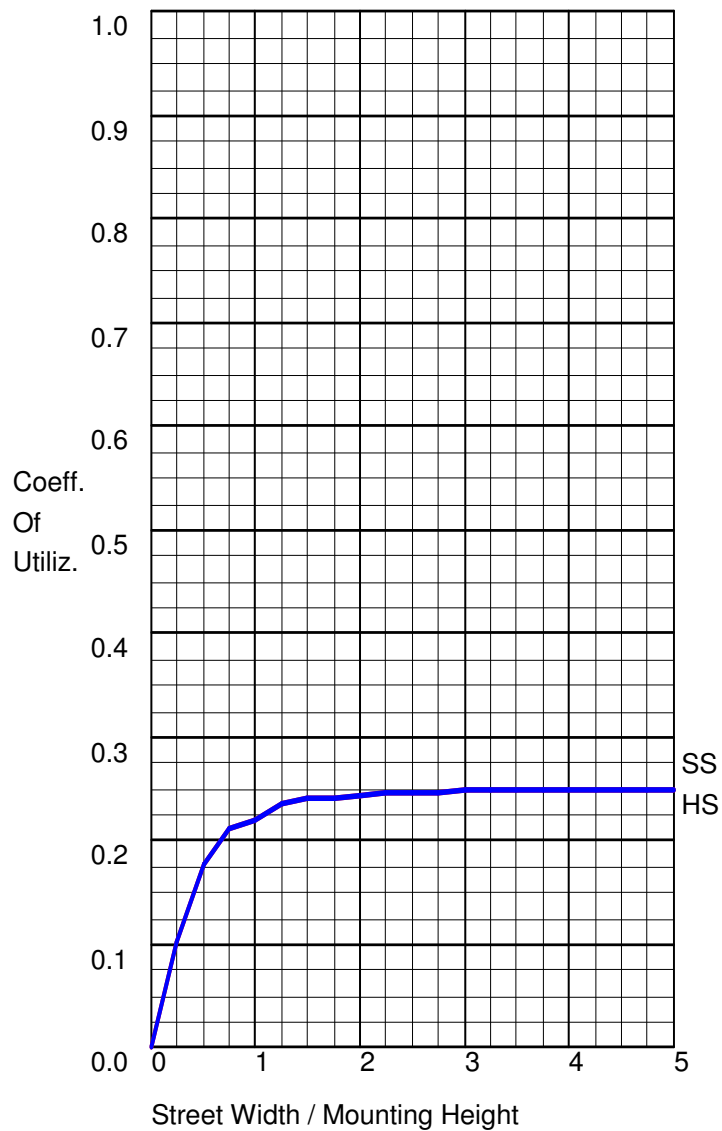
CANDELA TABULATION

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	3268.744	3268.744	3268.744	3268.744	3268.744	3268.744	3268.744	3268.744	3268.744
5	3235.064	3233.284	3227.537	3233.284	3235.064	3233.284	3227.537	3233.284	3235.064
10	3033.377	3028.861	3025.955	3028.861	3033.377	3028.861	3025.955	3028.861	3033.377
15	2716.108	2723.713	2720.990	2723.713	2716.108	2723.713	2720.990	2723.713	2716.108
20	2436.930	2442.022	2442.847	2442.022	2436.930	2442.022	2442.847	2442.022	2436.930
25	2240.964	2235.086	2236.251	2235.086	2240.964	2235.086	2236.251	2235.086	2240.964
30	1922.412	1898.039	1903.065	1898.039	1922.412	1898.039	1903.065	1898.039	1922.412
35	1155.300	1156.007	1166.623	1156.007	1155.300	1156.007	1166.623	1156.007	1155.300
40	703.102	711.283	716.061	711.283	703.102	711.283	716.061	711.283	703.102
45	594.876	595.452	593.777	595.452	594.876	595.452	593.777	595.452	594.876
50	496.258	496.415	495.290	496.415	496.258	496.415	495.290	496.415	496.258
55	393.085	392.587	390.742	392.587	393.085	392.587	390.742	392.587	393.085
60	285.042	284.322	282.607	284.322	285.042	284.322	282.607	284.322	285.042
65	190.128	189.605	188.872	189.605	190.128	189.605	188.872	189.605	190.128
70	112.755	112.755	112.742	112.755	112.755	112.755	112.742	112.755	112.755
75	55.802	55.919	55.959	55.919	55.802	55.919	55.959	55.919	55.802
80	20.001	20.197	20.263	20.197	20.001	20.197	20.263	20.197	20.001
85	6.453	6.466	6.414	6.466	6.453	6.466	6.414	6.466	6.453
90	1.702	1.911	2.173	1.911	1.702	1.911	2.173	1.911	1.702
95	6.453	6.466	6.414	6.466	6.453	6.466	6.414	6.466	6.453
100	20.001	20.197	20.263	20.197	20.001	20.197	20.263	20.197	20.001
105	55.802	55.919	55.959	55.919	55.802	55.919	55.959	55.919	55.802
110	112.755	112.755	112.742	112.755	112.755	112.755	112.742	112.755	112.755
115	190.128	189.605	188.872	189.605	190.128	189.605	188.872	189.605	190.128
120	285.042	284.322	282.607	284.322	285.042	284.322	282.607	284.322	285.042
125	393.085	392.587	390.742	392.587	393.085	392.587	390.742	392.587	393.085
130	496.258	496.415	495.290	496.415	496.258	496.415	495.290	496.415	496.258
135	594.876	595.452	593.777	595.452	594.876	595.452	593.777	595.452	594.876
140	703.102	711.283	716.061	711.283	703.102	711.283	716.061	711.283	703.102
145	1155.300	1156.007	1166.623	1156.007	1155.300	1156.007	1166.623	1156.007	1155.300
150	1922.412	1898.039	1903.065	1898.039	1922.412	1898.039	1903.065	1898.039	1922.412
155	2240.964	2235.086	2236.251	2235.086	2240.964	2235.086	2236.251	2235.086	2240.964
160	2436.930	2442.022	2442.847	2442.022	2436.930	2442.022	2442.847	2442.022	2436.930
165	2716.108	2723.713	2720.990	2723.713	2716.108	2723.713	2720.990	2723.713	2716.108
170	3033.377	3028.861	3025.955	3028.861	3033.377	3028.861	3025.955	3028.861	3033.377
175	3235.064	3233.284	3227.537	3233.284	3235.064	3233.284	3227.537	3233.284	3235.064
180	3268.508	3268.508	3268.508	3268.508	3268.508	3268.508	3268.508	3268.508	3268.508

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COEFFICIENTS OF UTILIZATION



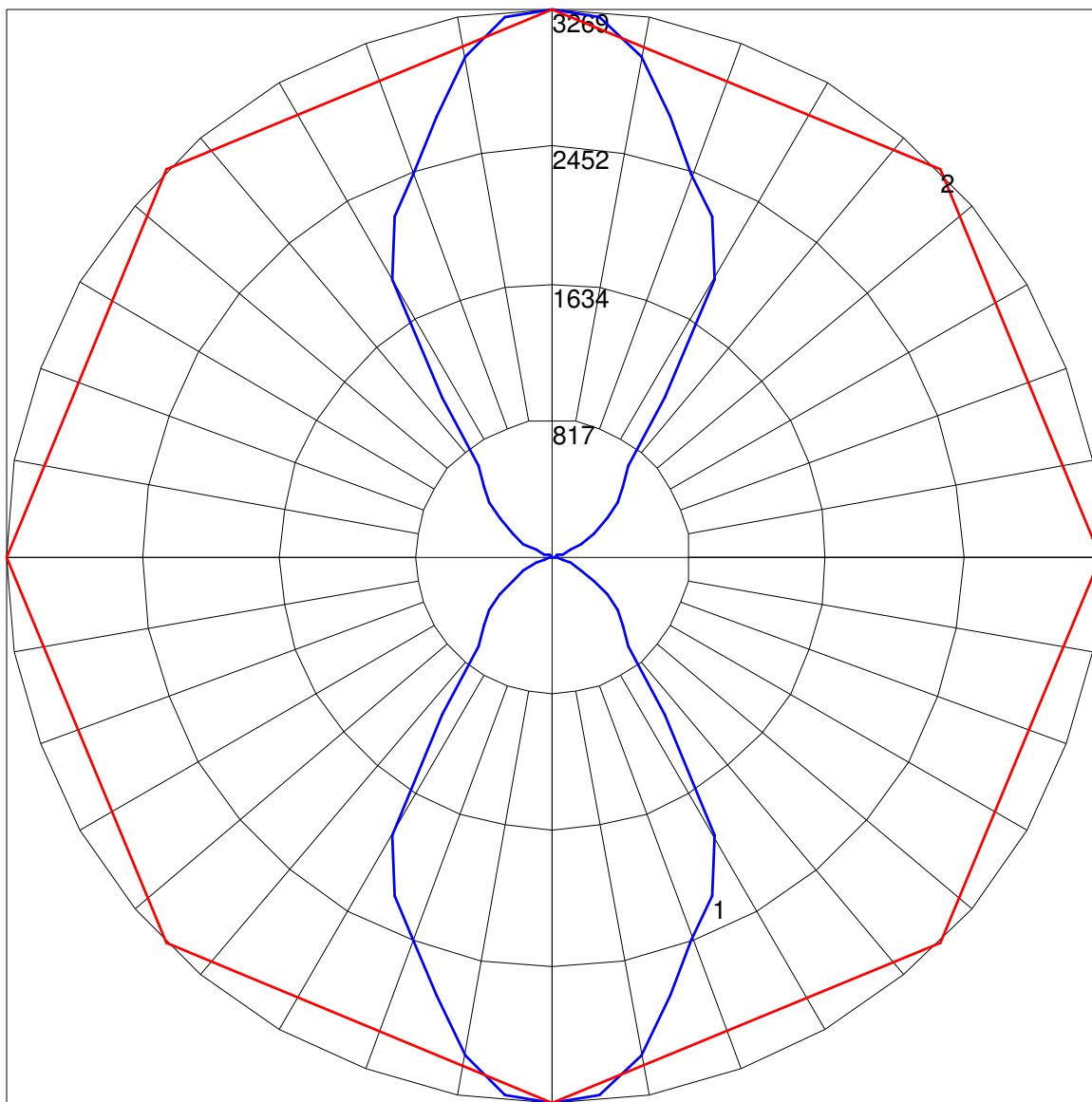
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1961.7	25.0
Downward House Side	1961.7	25.0
Downward Total	3923.4	50.0
Upward Street Side	1961.7	25.0
Upward House Side	1961.7	25.0
Upward Total	3923.4	50.0
Total Flux	7846.8	100.0

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POLAR GRAPH



Maximum Candela = 3268.744 Located At Horizontal Angle = 360, Vertical Angle = 0

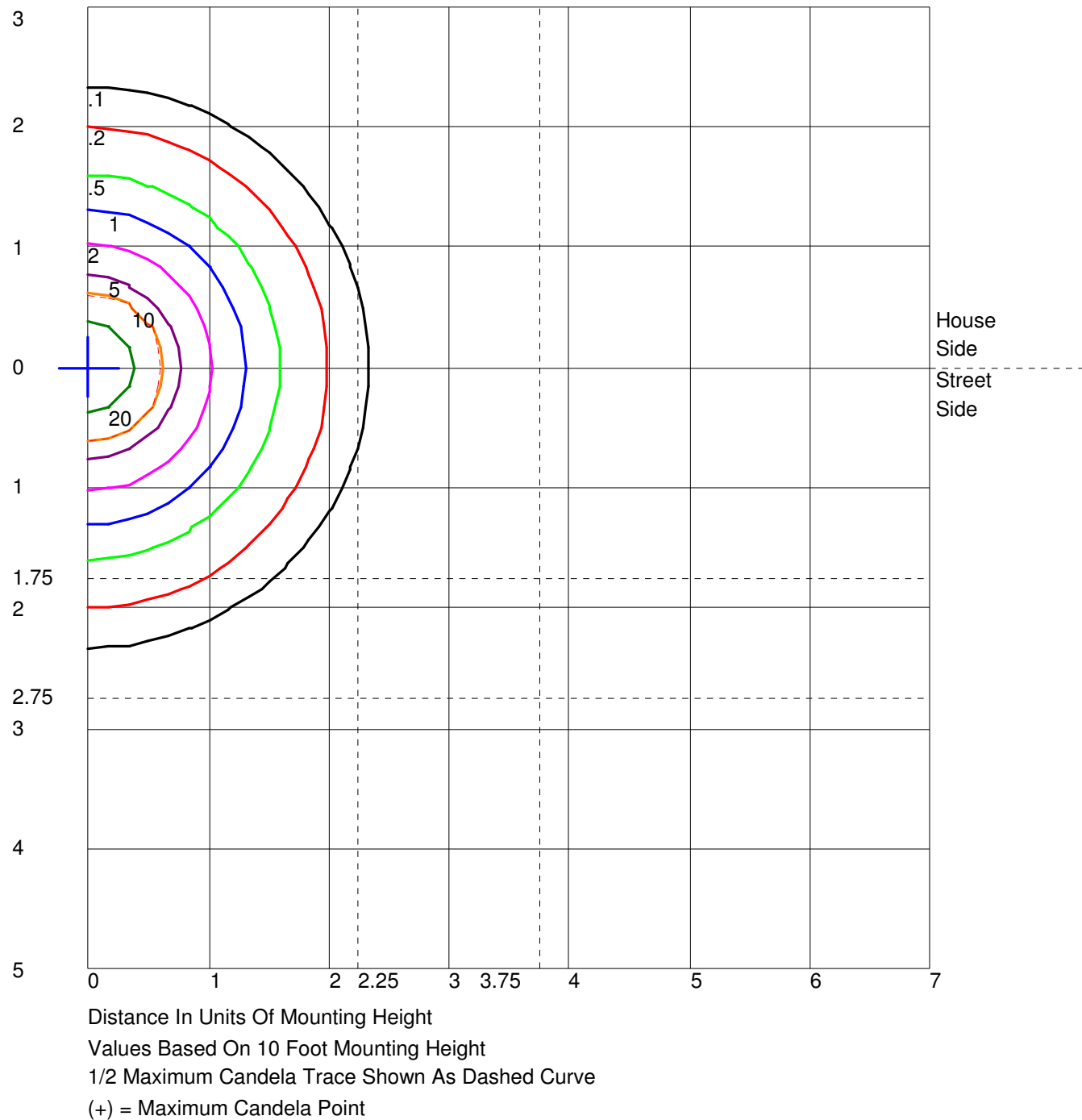
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

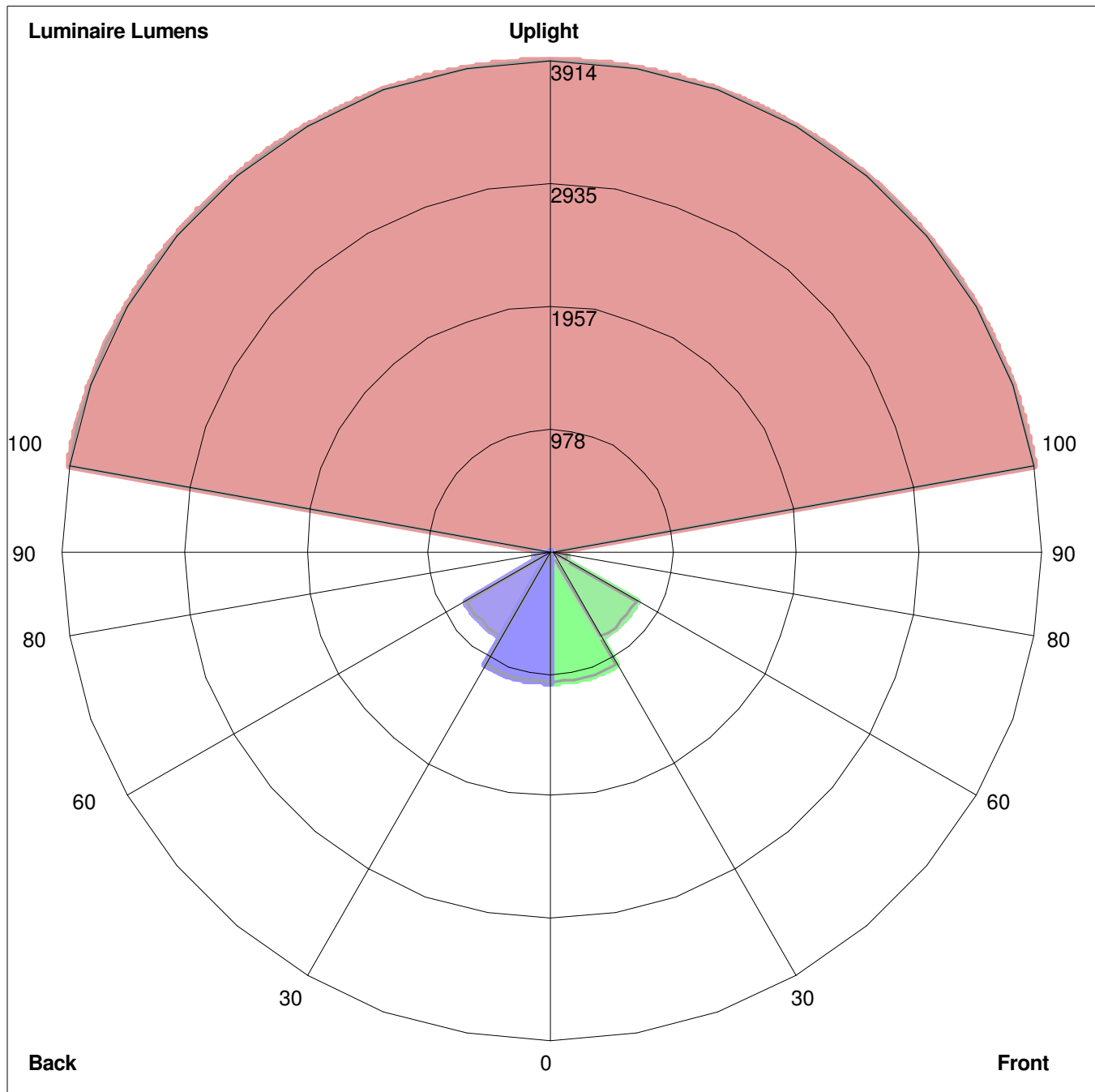
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1041.5, Medium=787.3, High=128.1, Very High=4.8
Back: Low=1041.5, Medium=787.3, High=128.1, Very High=4.8
Uplight: Low=9.5, High=3913.8

BUG Rating : B3-U5-G0