

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-950U-L20-950D-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-L20-950U-L20-950D-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	4077
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1698.549
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1698.549
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	1.129 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	10.529 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L20-950U-L20-950D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	541.2	N.A.	13.3
FM - Front-Medium (30-60)	409.1	N.A.	10.0
FH - Front-High (60-80)	66.5	N.A.	1.6
FVH - Front-Very High (80-90)	2.5	N.A.	0.1
BL - Back-Low (0-30)	541.2	N.A.	13.3
BM - Back-Medium (30-60)	409.1	N.A.	10.0
BH - Back-High (60-80)	66.5	N.A.	1.6
BVH - Back-Very High (80-90)	2.5	N.A.	0.1
UL - Uplight-Low (90-100)	4.9	N.A.	0.1
UH - Uplight-High (100-180)	2033.7	N.A.	49.9
Total	4077.2	N.A.	100.0
BUG Rating	B2-U5-G0		

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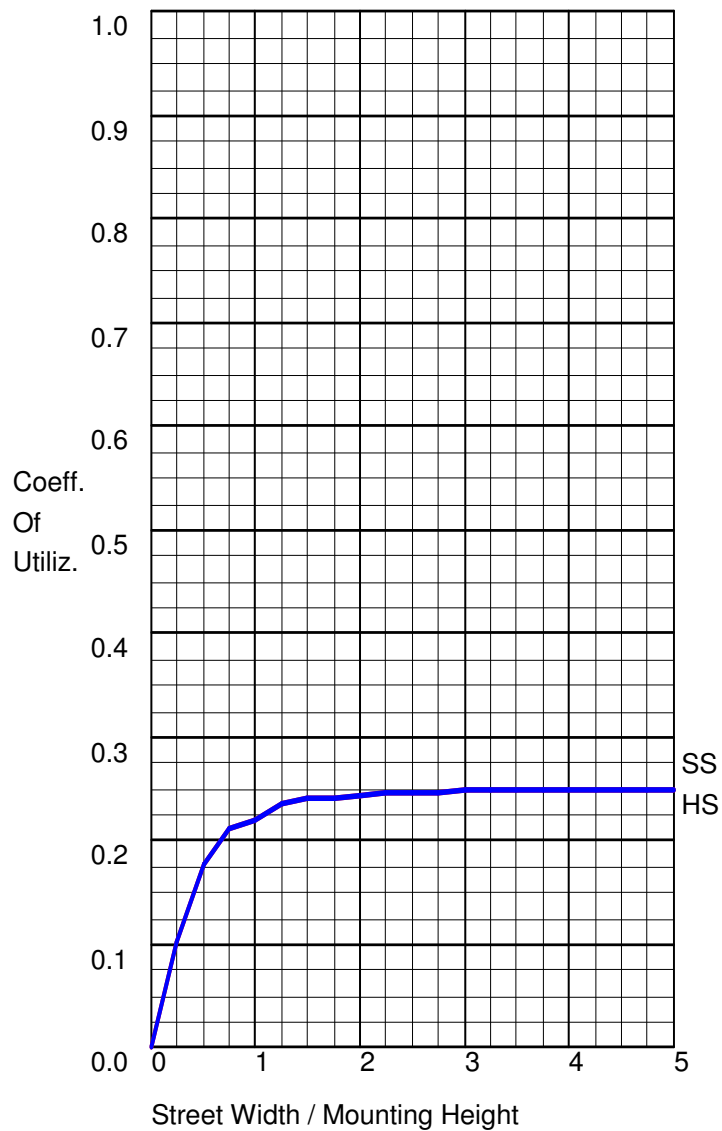
CANDELA TABULATION

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	1698.549	1698.549	1698.549	1698.549	1698.549	1698.549	1698.549	1698.549	1698.549
5	1681.048	1680.123	1677.137	1680.123	1681.048	1680.123	1677.137	1680.123	1681.048
10	1576.245	1573.898	1572.388	1573.898	1576.245	1573.898	1572.388	1573.898	1576.245
15	1411.381	1415.333	1413.918	1415.333	1411.381	1415.333	1413.918	1415.333	1411.381
20	1266.311	1268.957	1269.385	1268.957	1266.311	1268.957	1269.385	1268.957	1266.311
25	1164.480	1161.426	1162.031	1161.426	1164.480	1161.426	1162.031	1161.426	1164.480
30	998.950	986.284	988.896	986.284	998.950	986.284	988.896	986.284	998.950
35	600.333	600.700	606.216	600.700	600.333	600.700	606.216	600.700	600.333
40	365.356	369.607	372.089	369.607	365.356	369.607	372.089	369.607	365.356
45	309.118	309.417	308.546	309.417	309.118	309.417	308.546	309.417	309.118
50	257.872	257.954	257.369	257.954	257.872	257.954	257.369	257.954	257.872
55	204.260	204.002	203.043	204.002	204.260	204.002	203.043	204.002	204.260
60	148.117	147.743	146.852	147.743	148.117	147.743	146.852	147.743	148.117
65	98.797	98.525	98.144	98.525	98.797	98.525	98.144	98.525	98.797
70	58.591	58.591	58.584	58.591	58.591	58.591	58.584	58.591	58.591
75	28.996	29.058	29.078	29.058	28.996	29.058	29.078	29.058	28.996
80	10.393	10.495	10.529	10.495	10.393	10.495	10.529	10.495	10.393
85	3.353	3.360	3.333	3.360	3.353	3.360	3.333	3.360	3.353
90	0.884	0.993	1.129	0.993	0.884	0.993	1.129	0.993	0.884
95	3.353	3.360	3.333	3.360	3.353	3.360	3.333	3.360	3.353
100	10.393	10.495	10.529	10.495	10.393	10.495	10.529	10.495	10.393
105	28.996	29.058	29.078	29.058	28.996	29.058	29.078	29.058	28.996
110	58.591	58.591	58.584	58.591	58.591	58.591	58.584	58.591	58.591
115	98.797	98.525	98.144	98.525	98.797	98.525	98.144	98.525	98.797
120	148.117	147.743	146.852	147.743	148.117	147.743	146.852	147.743	148.117
125	204.260	204.002	203.043	204.002	204.260	204.002	203.043	204.002	204.260
130	257.872	257.954	257.369	257.954	257.872	257.954	257.369	257.954	257.872
135	309.118	309.417	308.546	309.417	309.118	309.417	308.546	309.417	309.118
140	365.356	369.607	372.089	369.607	365.356	369.607	372.089	369.607	365.356
145	600.333	600.700	606.216	600.700	600.333	600.700	606.216	600.700	600.333
150	998.950	986.284	988.896	986.284	998.950	986.284	988.896	986.284	998.950
155	1164.480	1161.426	1162.031	1161.426	1164.480	1161.426	1162.031	1161.426	1164.480
160	1266.311	1268.957	1269.385	1268.957	1266.311	1268.957	1269.385	1268.957	1266.311
165	1411.381	1415.333	1413.918	1415.333	1411.381	1415.333	1413.918	1415.333	1411.381
170	1576.245	1573.898	1572.388	1573.898	1576.245	1573.898	1572.388	1573.898	1576.245
175	1681.048	1680.123	1677.137	1680.123	1681.048	1680.123	1677.137	1680.123	1681.048
180	1698.426	1698.426	1698.426	1698.426	1698.426	1698.426	1698.426	1698.426	1698.426

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COEFFICIENTS OF UTILIZATION



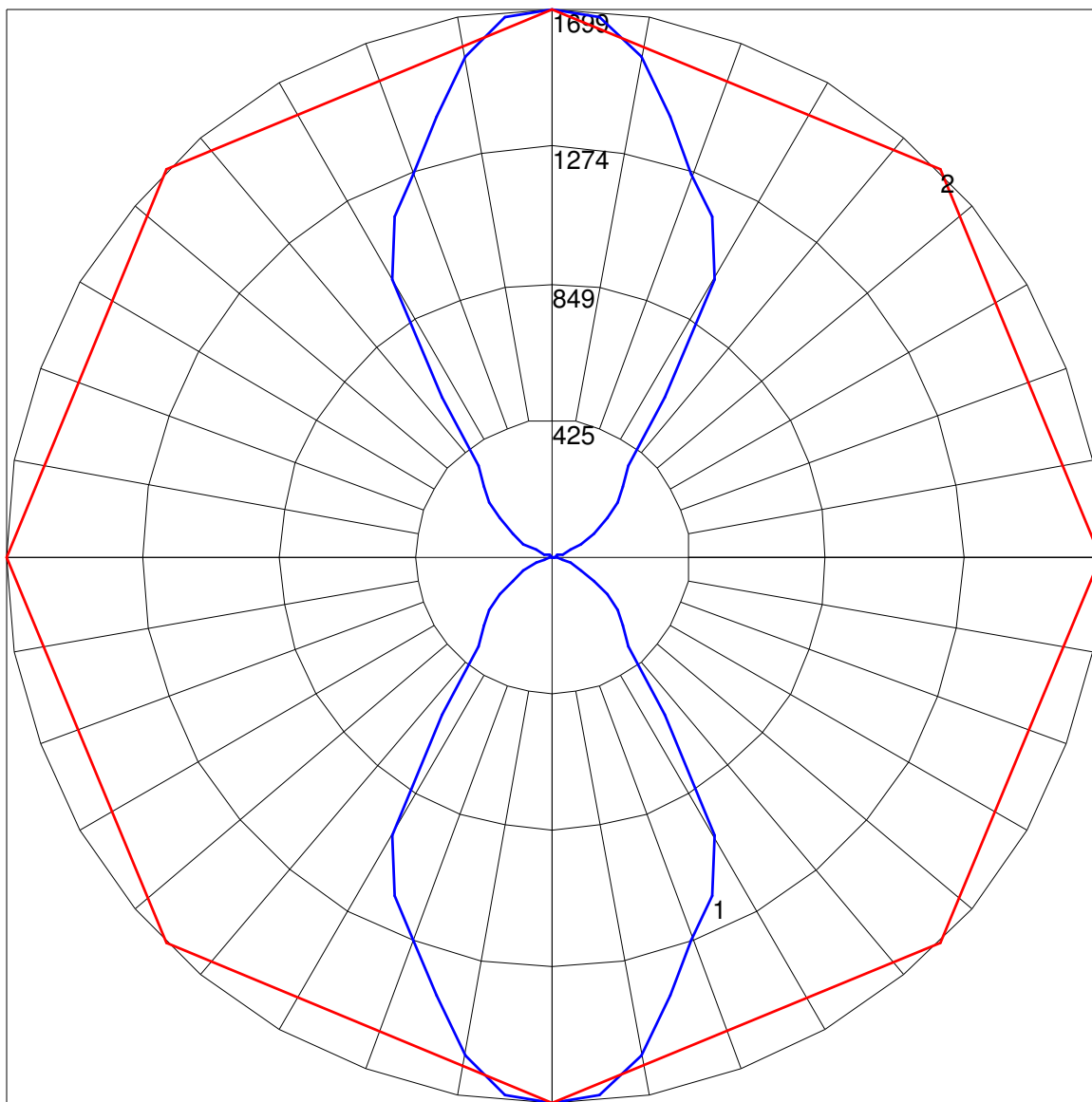
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1019.3	25.0
Downward House Side	1019.3	25.0
Downward Total	2038.6	50.0
Upward Street Side	1019.3	25.0
Upward House Side	1019.3	25.0
Upward Total	2038.6	50.0
Total Flux	4077.2	100.0

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POLAR GRAPH



Maximum Candela = 1698.549 Located At Horizontal Angle = 360, Vertical Angle = 0

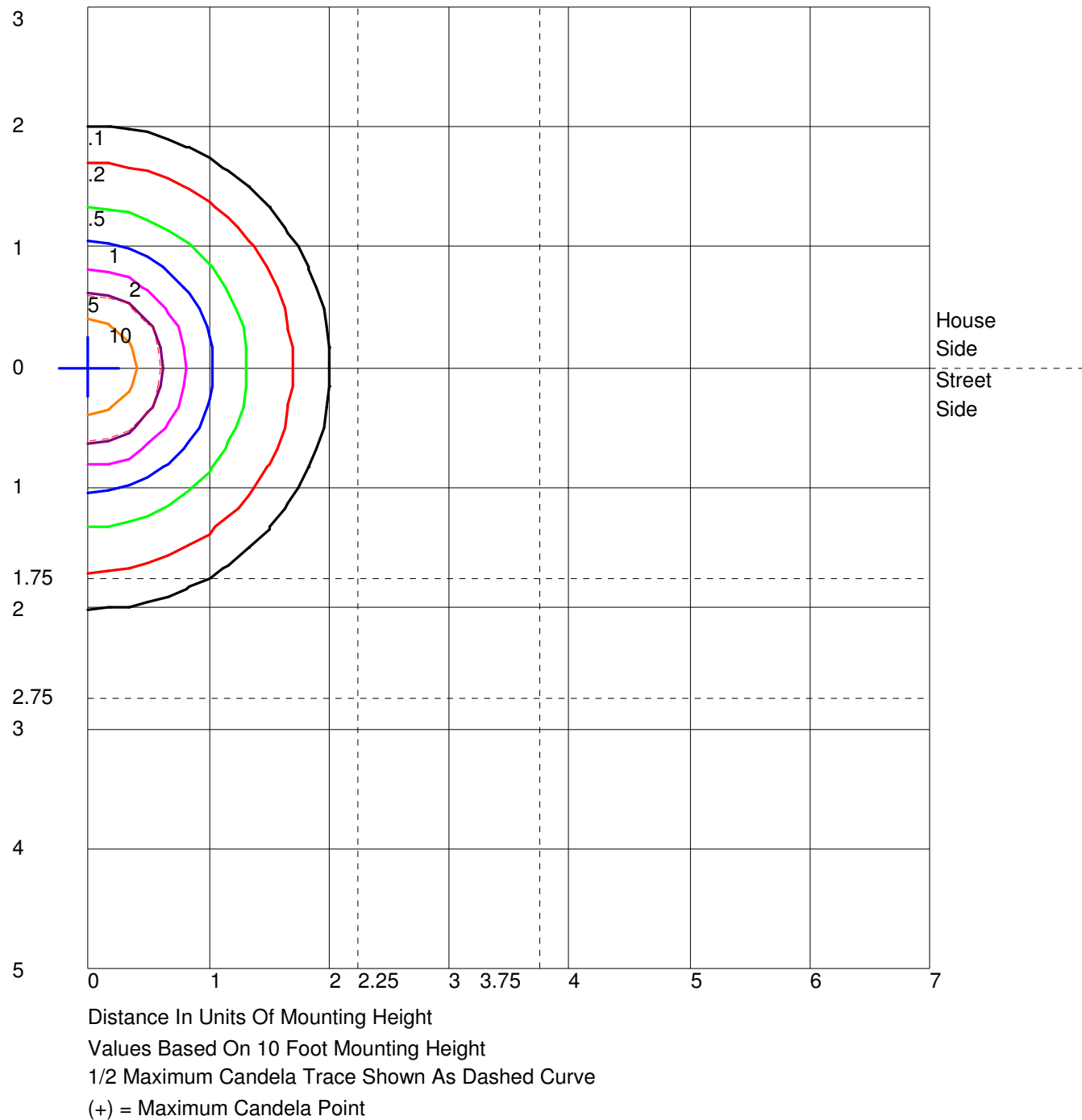
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

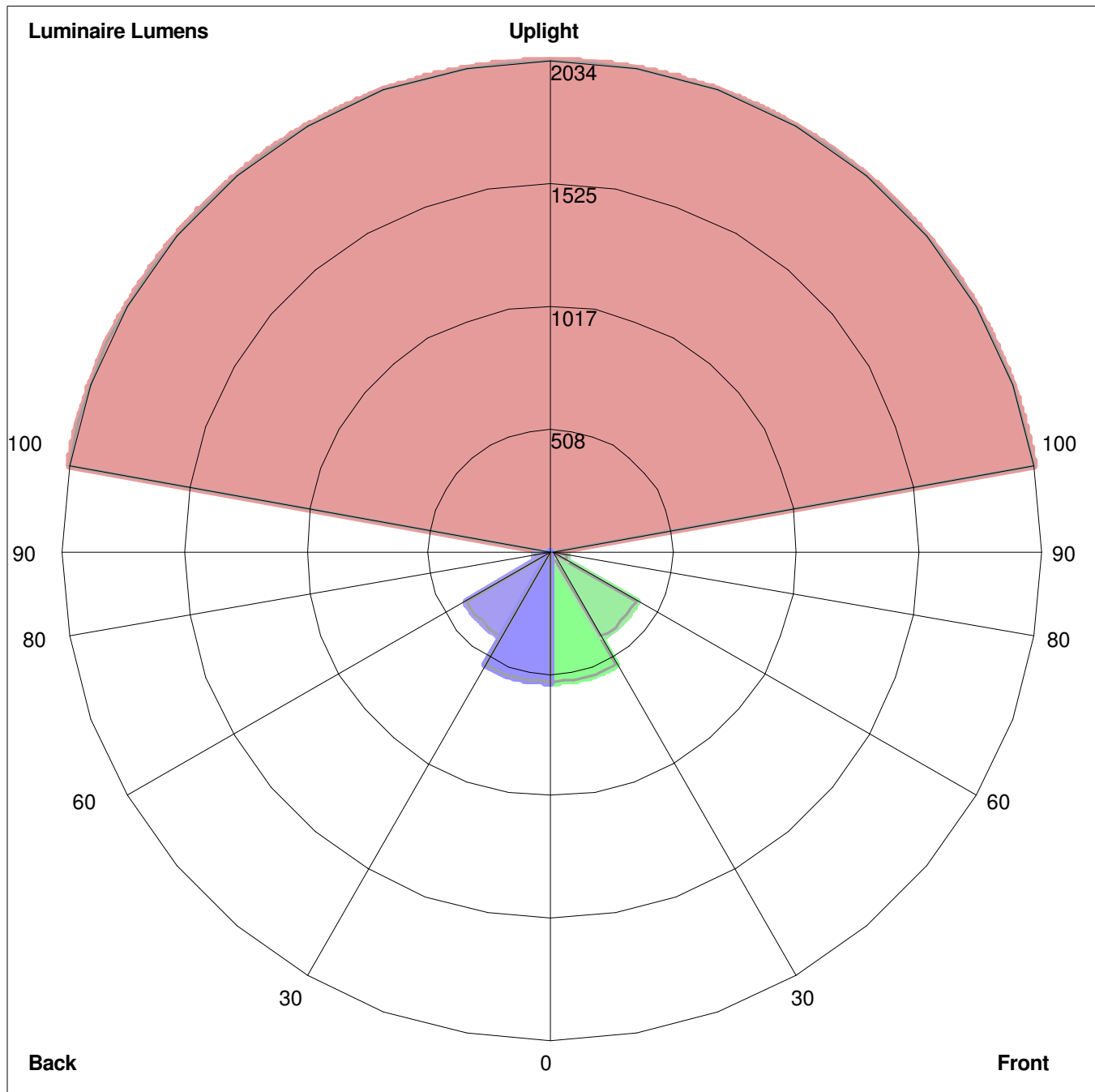
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=541.2, Medium=409.1, High=66.5, Very High=2.5
Back: Low=541.2, Medium=409.1, High=66.5, Very High=2.5
Uplight: Low=4.9, High=2033.7

BUG Rating : B2-U5-G0