

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-840U-L50-840D-XXX-DIM-UNV-W-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-XW_(V22)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-08-06
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CRDI-xx-L50-840U-L50-840D-xxx-DIM-UNV-W-xx
[LUMINAIRE] 6 INCH ROUND DIRECT-INDIRECT WET LOCATION
[MORE] LED CYLINDER WITH WIDE DIST.
[LAMPCAT] BL VERO 22
[LAMP] LED
[OTHER] Absolute Photometry

CHARACTERISTICS

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10449
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	90
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4200.586
Maximum Candela Angle	270H 175V
Maximum Candela (<90 Degrees Vertical)	4200.586
Maximum Candela Angle (<90 Degrees Vertical)	270H 5V
Maximum Candela At 90 Degrees Vertical	2.878 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	28.36 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L50-840U-L50-840D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1361.8	N.A.	13.0
FM - Front-Medium (30-60)	1067.6	N.A.	10.2
FH - Front-High (60-80)	176.4	N.A.	1.7
FVH - Front-Very High (80-90)	6.5	N.A.	0.1
BL - Back-Low (0-30)	1361.8	N.A.	13.0
BM - Back-Medium (30-60)	1067.6	N.A.	10.2
BH - Back-High (60-80)	176.4	N.A.	1.7
BVH - Back-Very High (80-90)	6.5	N.A.	0.1
UL - Uplight-Low (90-100)	13.0	N.A.	0.1
UH - Uplight-High (100-180)	5211.6	N.A.	49.9
Total	10449.2	N.A.	100.0
BUG Rating	B3-U5-G1		

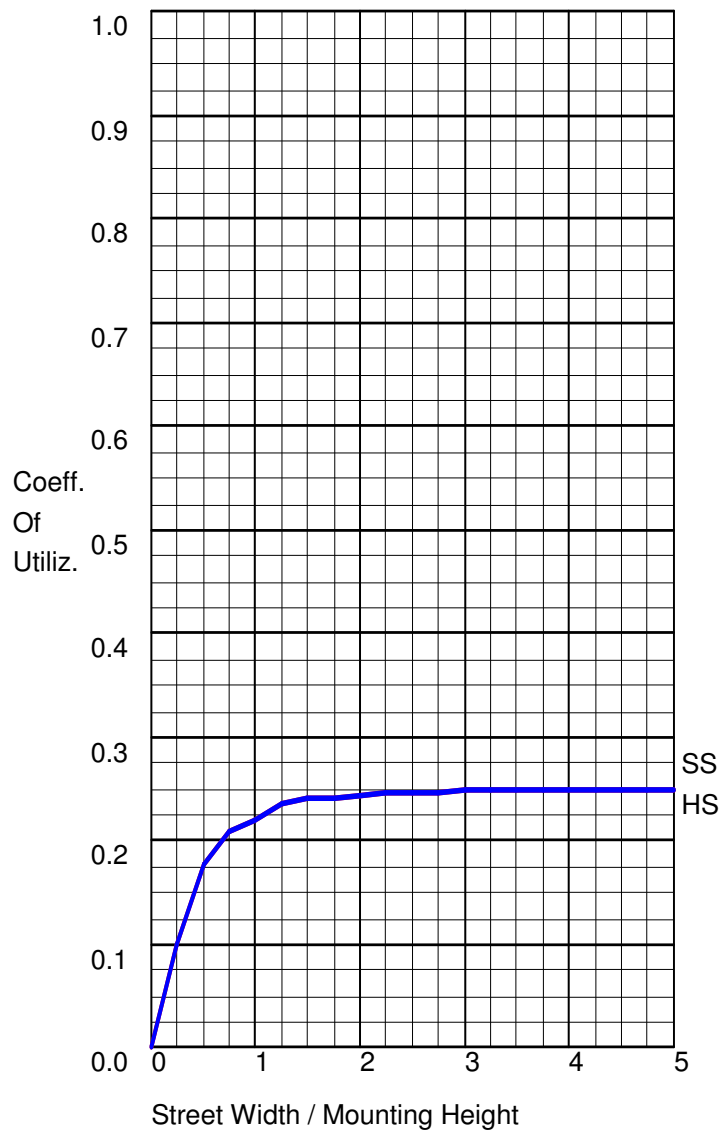
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CANDELA TABULATION

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	4164.078	4164.078	4164.078	4164.078	4164.078	4164.078	4164.078	4164.078	4164.078
5	4083.073	4166.852	4200.586	4166.852	4083.073	4166.852	4200.586	4166.852	4083.073
10	3853.316	3957.638	3985.113	3957.638	3853.316	3957.638	3985.113	3957.638	3853.316
15	3537.978	3575.577	3566.875	3575.577	3537.978	3575.577	3566.875	3575.577	3537.978
20	3203.519	3214.388	3194.817	3214.388	3203.519	3214.388	3194.817	3214.388	3203.519
25	2946.252	2934.065	2912.830	2934.065	2946.252	2934.065	2912.830	2934.065	2946.252
30	2551.155	2500.954	2460.754	2500.954	2551.155	2500.954	2460.754	2500.954	2551.155
35	1602.037	1612.472	1643.276	1612.472	1602.037	1612.472	1643.276	1612.472	1602.037
40	952.915	980.946	1006.359	980.946	952.915	980.946	1006.359	980.946	952.915
45	792.100	793.070	789.517	793.070	792.100	793.070	789.517	793.070	792.100
50	667.497	666.786	662.088	666.786	667.497	666.786	662.088	666.786	667.497
55	532.666	531.539	526.859	531.539	532.666	531.539	526.859	531.539	532.666
60	389.203	387.660	383.707	387.660	389.203	387.660	383.707	387.660	389.203
65	261.393	260.699	258.619	260.699	261.393	260.699	258.619	260.699	261.393
70	156.673	156.430	155.875	156.430	156.673	156.430	155.875	156.430	156.673
75	78.284	78.336	78.388	78.336	78.284	78.336	78.388	78.336	78.284
80	27.857	28.204	28.360	28.204	27.857	28.204	28.360	28.204	27.857
85	8.581	8.598	8.511	8.598	8.581	8.598	8.511	8.598	8.581
90	2.080	2.670	2.878	2.670	2.080	2.670	2.878	2.670	2.080
95	8.581	8.598	8.511	8.598	8.581	8.598	8.511	8.598	8.581
100	27.857	28.204	28.360	28.204	27.857	28.204	28.360	28.204	27.857
105	78.284	78.336	78.388	78.336	78.284	78.336	78.388	78.336	78.284
110	156.673	156.430	155.875	156.430	156.673	156.430	155.875	156.430	156.673
115	261.393	260.699	258.619	260.699	261.393	260.699	258.619	260.699	261.393
120	389.203	387.660	383.707	387.660	389.203	387.660	383.707	387.660	389.203
125	532.666	531.539	526.859	531.539	532.666	531.539	526.859	531.539	532.666
130	667.497	666.786	662.088	666.786	667.497	666.786	662.088	666.786	667.497
135	792.100	793.070	789.517	793.070	792.100	793.070	789.517	793.070	792.100
140	952.915	980.946	1006.359	980.946	952.915	980.946	1006.359	980.946	952.915
145	1602.037	1612.472	1643.276	1612.472	1602.037	1612.472	1643.276	1612.472	1602.037
150	2551.155	2500.954	2460.754	2500.954	2551.155	2500.954	2460.754	2500.954	2551.155
155	2946.252	2934.065	2912.830	2934.065	2946.252	2934.065	2912.830	2934.065	2946.252
160	3203.519	3214.388	3194.817	3214.388	3203.519	3214.388	3194.817	3214.388	3203.519
165	3537.978	3575.577	3566.875	3575.577	3537.978	3575.577	3566.875	3575.577	3537.978
170	3853.316	3957.638	3985.113	3957.638	3853.316	3957.638	3985.113	3957.638	3853.316
175	4083.073	4166.852	4200.586	4166.852	4083.073	4166.852	4200.586	4166.852	4083.073
180	4163.836	4163.836	4163.836	4163.836	4163.836	4163.836	4163.836	4163.836	4163.836

COEFFICIENTS OF UTILIZATION



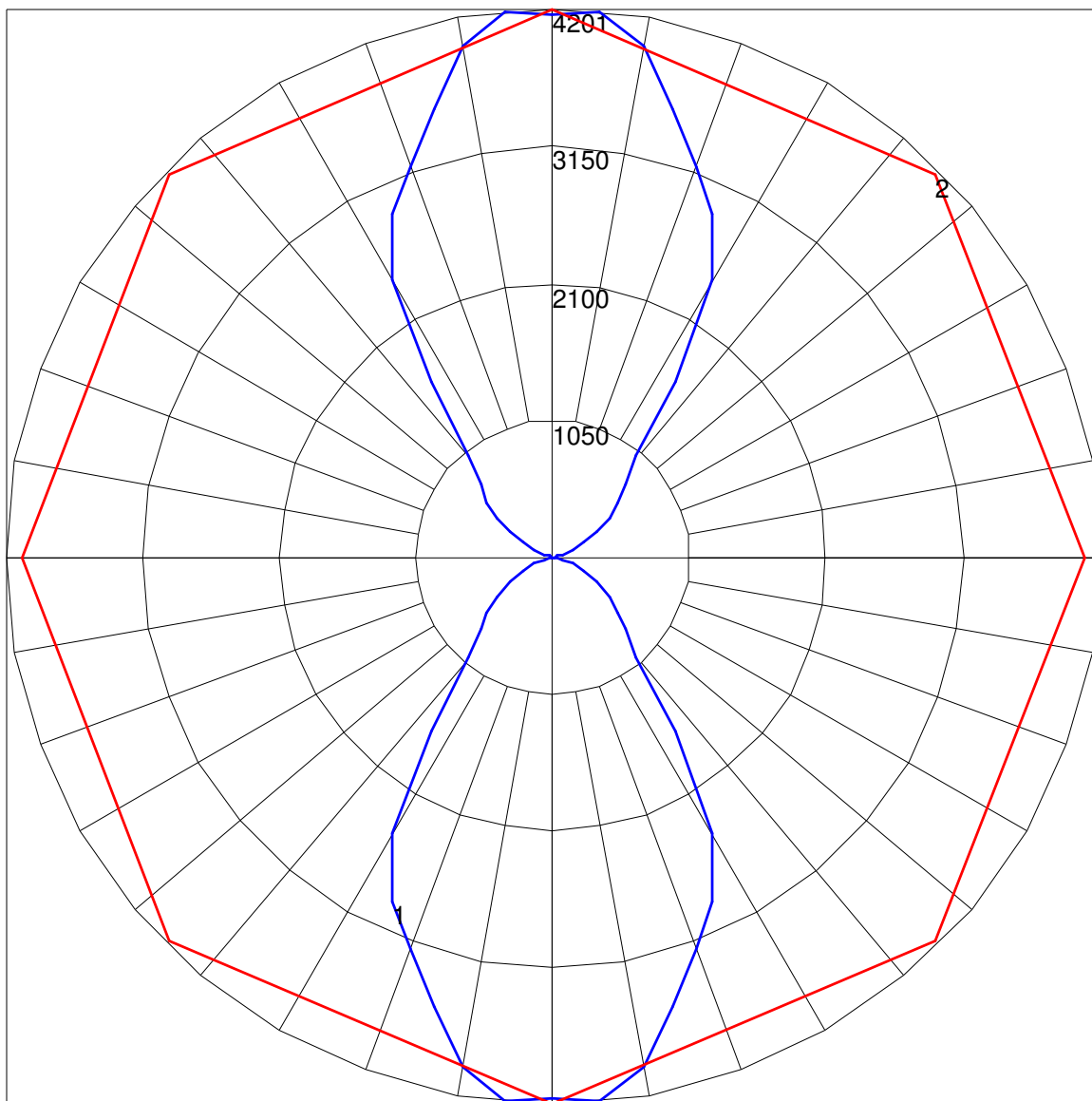
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2612.3	25.0
Downward House Side	2612.3	25.0
Downward Total	5224.6	50.0
Upward Street Side	2612.3	25.0
Upward House Side	2612.3	25.0
Upward Total	5224.6	50.0
Total Flux	10449.2	100.0

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POLAR GRAPH



Maximum Candela = 4200.586 Located At Horizontal Angle = 270, Vertical Angle = 175

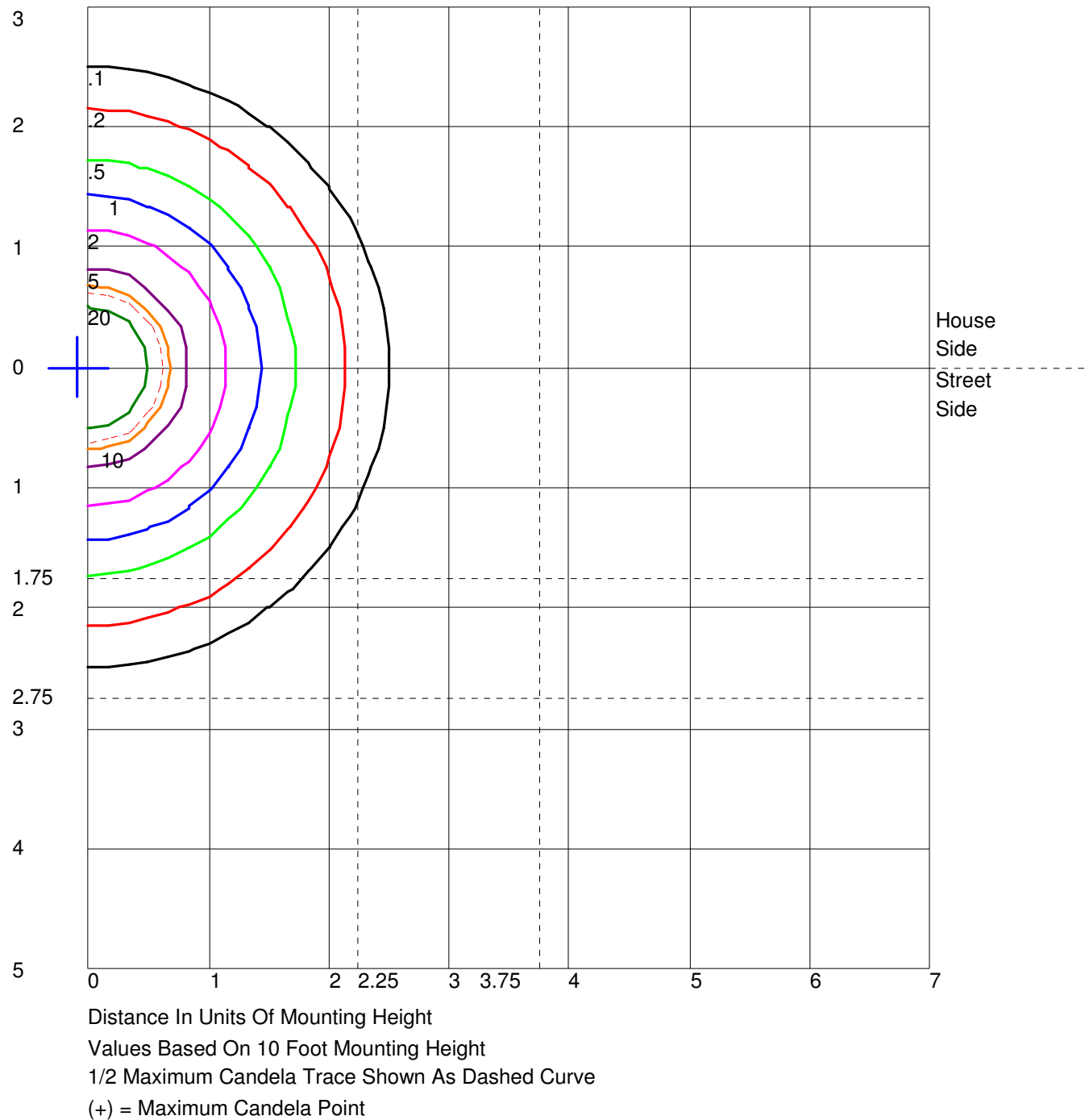
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (175) (Through Max. Cd.)

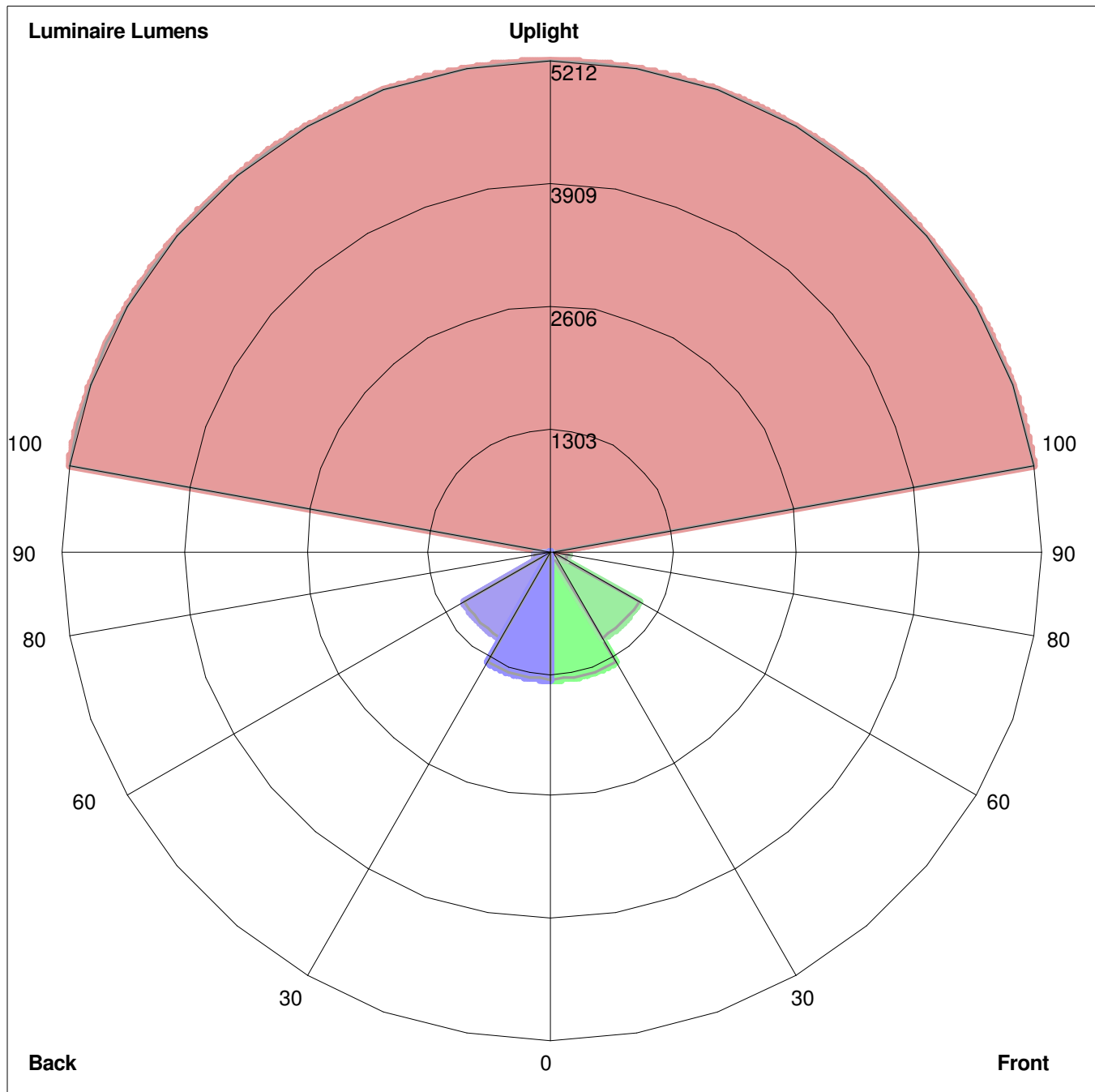
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1361.8, Medium=1067.6, High=176.4, Very High=6.5
Back: Low=1361.8, Medium=1067.6, High=176.4, Very High=6.5
Uplight: Low=13.0, High=5211.6

BUG Rating : B3-U5-G1