

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L10-840U-L10-840D-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-L10-840U-L10-840D-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	2183
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	20.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	909.573
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	909.573
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.605 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.638 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L10-840U-L10-840D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	289.8	N.A.	13.3
FM - Front-Medium (30-60)	219.1	N.A.	10.0
FH - Front-High (60-80)	35.6	N.A.	1.6
FVH - Front-Very High (80-90)	1.3	N.A.	0.1
BL - Back-Low (0-30)	289.8	N.A.	13.3
BM - Back-Medium (30-60)	219.1	N.A.	10.0
BH - Back-High (60-80)	35.6	N.A.	1.6
BVH - Back-Very High (80-90)	1.3	N.A.	0.1
UL - Uplight-Low (90-100)	2.7	N.A.	0.1
UH - Uplight-High (100-180)	1089.1	N.A.	49.9
Total	2183.4	N.A.	100.0
BUG Rating	B1-U5-G0		

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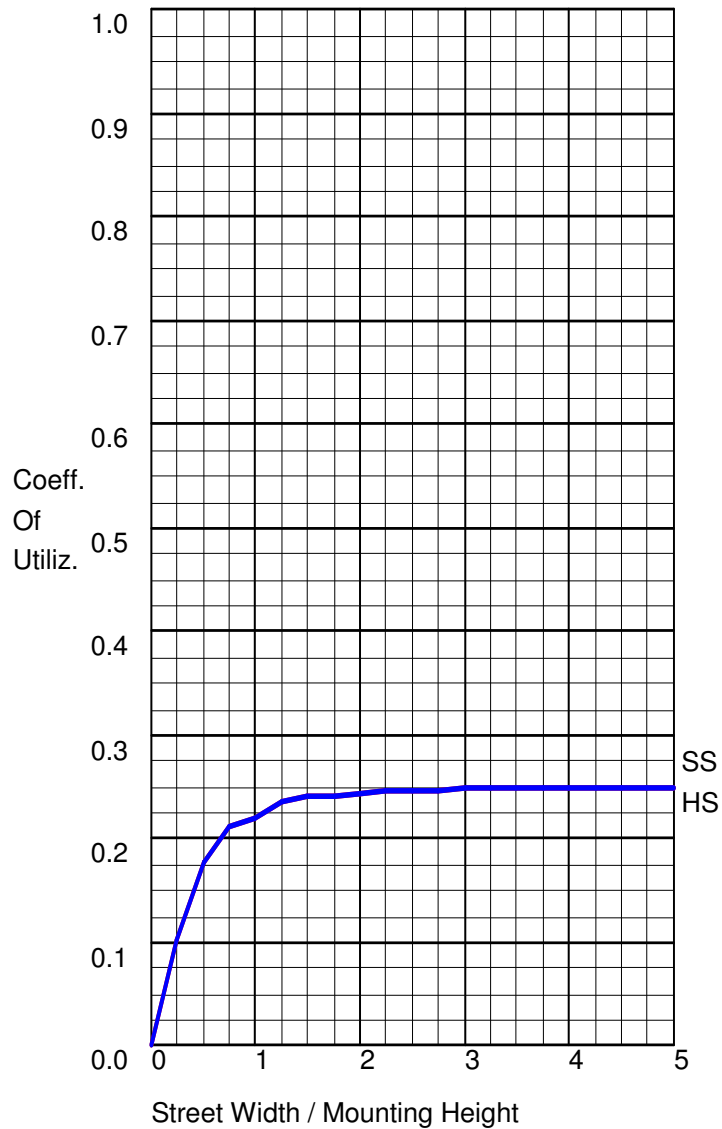
CANDELA TABULATION

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	909.573	909.573	909.573	909.573	909.573	909.573	909.573	909.573	909.573
5	900.201	899.706	898.107	899.706	900.201	899.706	898.107	899.706	900.201
10	844.079	842.823	842.014	842.823	844.079	842.823	842.014	842.823	844.079
15	755.795	757.911	757.153	757.911	755.795	757.911	757.153	757.911	755.795
20	678.110	679.527	679.756	679.527	678.110	679.527	679.756	679.527	678.110
25	623.579	621.944	622.268	621.944	623.579	621.944	622.268	621.944	623.579
30	534.938	528.156	529.554	528.156	534.938	528.156	529.554	528.156	534.938
35	321.478	321.675	324.629	321.675	321.478	321.675	324.629	321.675	321.478
40	195.648	197.924	199.254	197.924	195.648	197.924	199.254	197.924	195.648
45	165.533	165.693	165.227	165.693	165.533	165.693	165.227	165.693	165.533
50	138.091	138.134	137.821	138.134	138.091	138.134	137.821	138.134	138.091
55	109.381	109.243	108.729	109.243	109.381	109.243	108.729	109.243	109.381
60	79.317	79.117	78.639	79.117	79.317	79.117	78.639	79.117	79.317
65	52.906	52.760	52.556	52.760	52.906	52.760	52.556	52.760	52.906
70	31.376	31.376	31.372	31.376	31.376	31.376	31.372	31.376	31.376
75	15.528	15.560	15.571	15.560	15.528	15.560	15.571	15.560	15.528
80	5.566	5.620	5.638	5.620	5.566	5.620	5.638	5.620	5.566
85	1.796	1.799	1.785	1.799	1.796	1.799	1.785	1.799	1.796
90	0.474	0.532	0.605	0.532	0.474	0.532	0.605	0.532	0.474
95	1.796	1.799	1.785	1.799	1.796	1.799	1.785	1.799	1.796
100	5.566	5.620	5.638	5.620	5.566	5.620	5.638	5.620	5.566
105	15.528	15.560	15.571	15.560	15.528	15.560	15.571	15.560	15.528
110	31.376	31.376	31.372	31.376	31.376	31.376	31.372	31.376	31.376
115	52.906	52.760	52.556	52.760	52.906	52.760	52.556	52.760	52.906
120	79.317	79.117	78.639	79.117	79.317	79.117	78.639	79.117	79.317
125	109.381	109.243	108.729	109.243	109.381	109.243	108.729	109.243	109.381
130	138.091	138.134	137.821	138.134	138.091	138.134	137.821	138.134	138.091
135	165.533	165.693	165.227	165.693	165.533	165.693	165.227	165.693	165.533
140	195.648	197.924	199.254	197.924	195.648	197.924	199.254	197.924	195.648
145	321.478	321.675	324.629	321.675	321.478	321.675	324.629	321.675	321.478
150	534.938	528.156	529.554	528.156	534.938	528.156	529.554	528.156	534.938
155	623.579	621.944	622.268	621.944	623.579	621.944	622.268	621.944	623.579
160	678.110	679.527	679.756	679.527	678.110	679.527	679.756	679.527	678.110
165	755.795	757.911	757.153	757.911	755.795	757.911	757.153	757.911	755.795
170	844.079	842.823	842.014	842.823	844.079	842.823	842.014	842.823	844.079
175	900.201	899.706	898.107	899.706	900.201	899.706	898.107	899.706	900.201
180	909.508	909.508	909.508	909.508	909.508	909.508	909.508	909.508	909.508

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COEFFICIENTS OF UTILIZATION



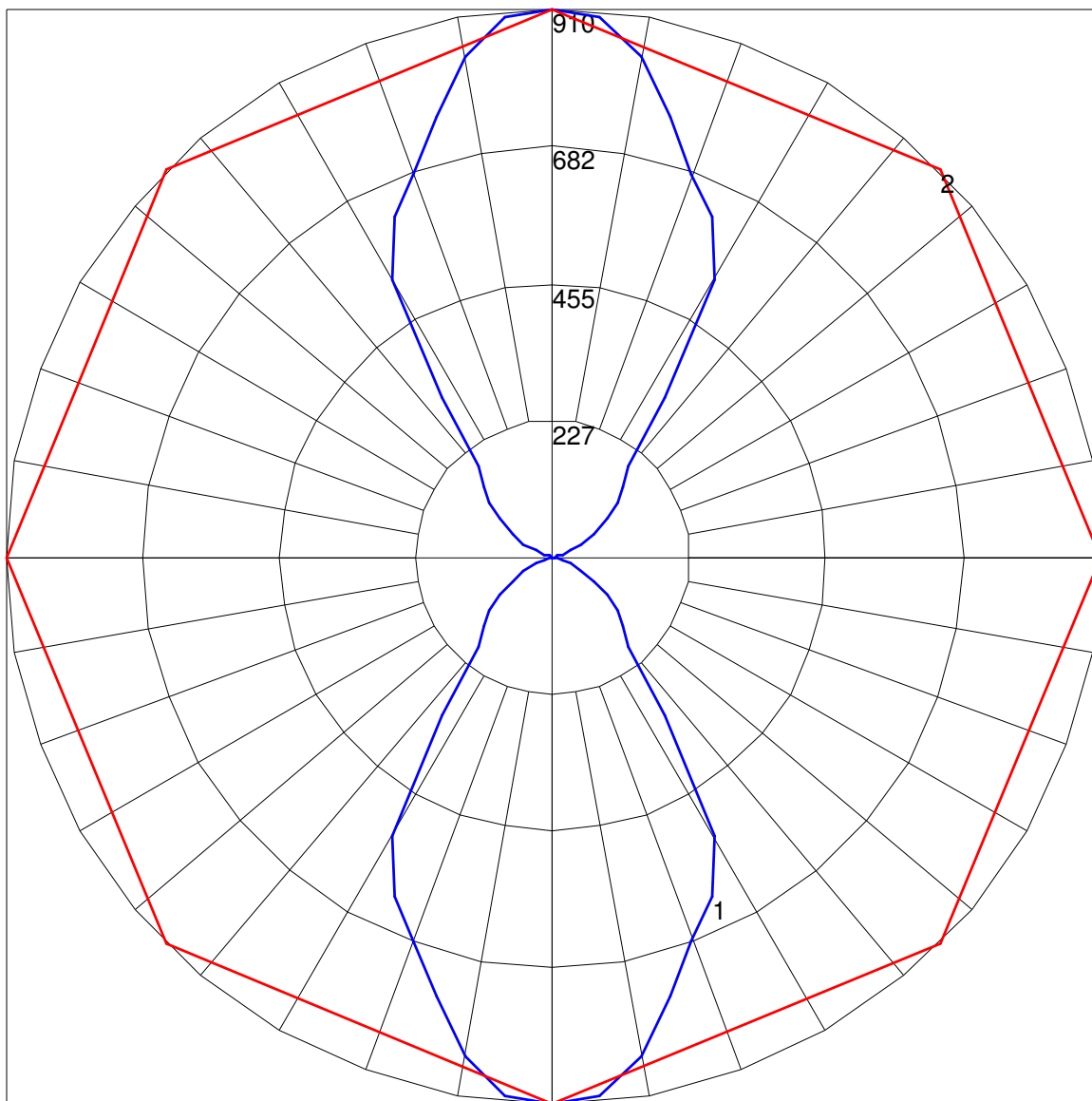
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	545.9	25.0
Downward House Side	545.9	25.0
Downward Total	1091.8	50.0
Upward Street Side	545.9	25.0
Upward House Side	545.9	25.0
Upward Total	1091.8	50.0
Total Flux	2183.6	100.0

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POLAR GRAPH



Maximum Candela = 909.573 Located At Horizontal Angle = 360, Vertical Angle = 0

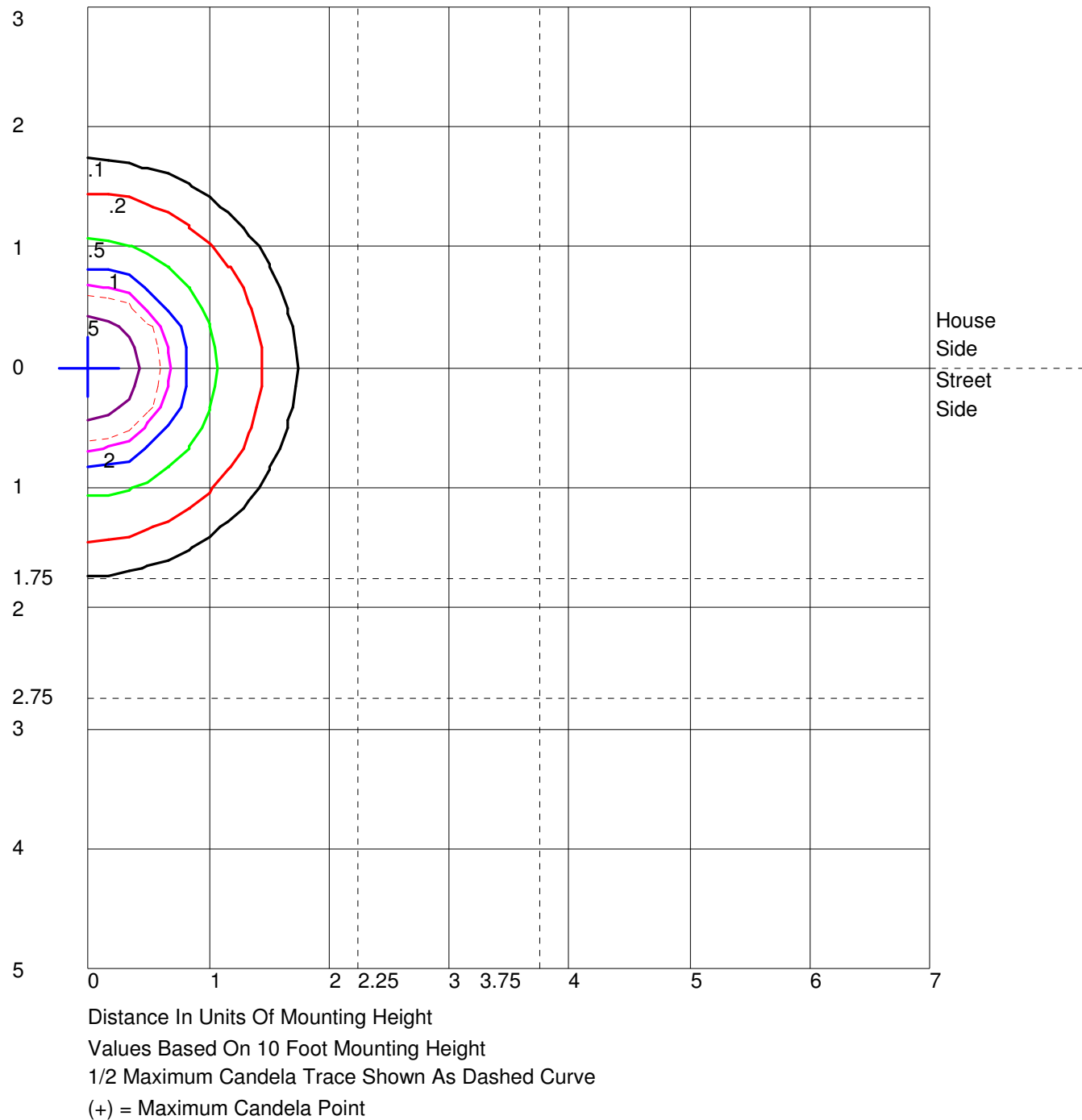
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

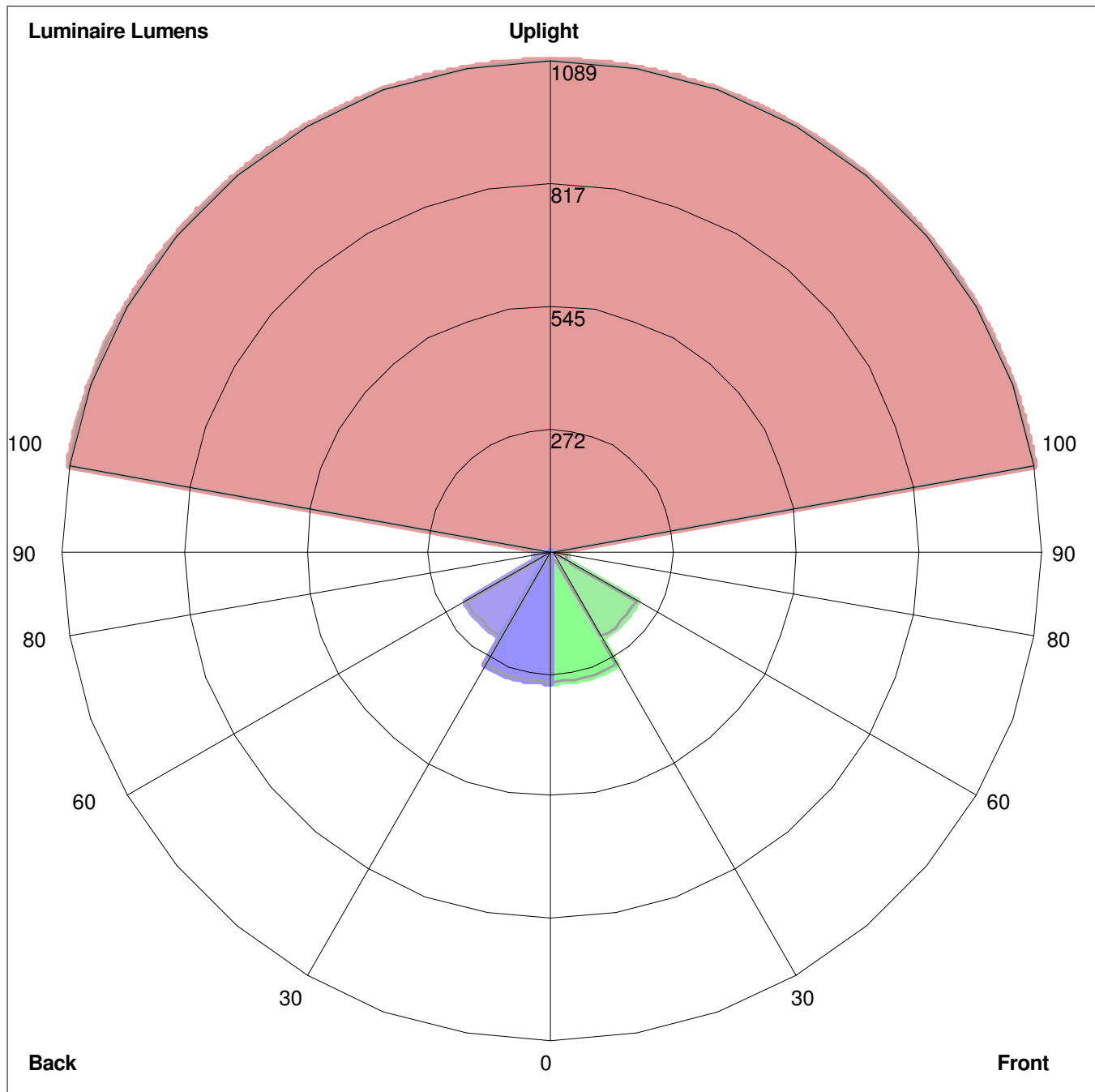
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=289.8, Medium=219.1, High=35.6, Very High=1.3
Back: Low=289.8, Medium=219.1, High=35.6, Very High=1.3
Uplight: Low=2.7, High=1089.1

BUG Rating : B1-U5-G0