

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-950U-L10-950D-XXX-DIM-UNV-M-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W4CR_BARBARA-MEDIUM DIST
[TESTLAB] LEDIL Inc
[TESTDATE] 07/03/2025
[ISSUEDATE] 2025-08-07
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO
[LUMCAT] W4CRDI-xx-L10-950U-L10-950D-xxx-DIM-UNV-M-xx
[LUMINAIRE] 4 INCH ROUND DIRECT-INDIRECT OUTDOOR LED CYLINDER
[MORE] MEDIUM DISTRIBUTION WITH MICROPRISM LENS
[MORE] 0-10V LED DRIVER

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1961
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1841.477
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1841.477
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.274 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.781 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-950U-L10-950D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	404.9	N.A.	20.6
FM - Front-Medium (30-60)	80.6	N.A.	4.1
FH - Front-High (60-80)	4.4	N.A.	0.2
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	404.9	N.A.	20.6
BM - Back-Medium (30-60)	80.6	N.A.	4.1
BH - Back-High (60-80)	4.4	N.A.	0.2
BVH - Back-Very High (80-90)	0.3	N.A.	0.0
UL - Uplight-Low (90-100)	0.6	N.A.	0.0
UH - Uplight-High (100-180)	979.9	N.A.	50.0
Total	1960.9	N.A.	100.0
BUG Rating	B1-U4-G0		

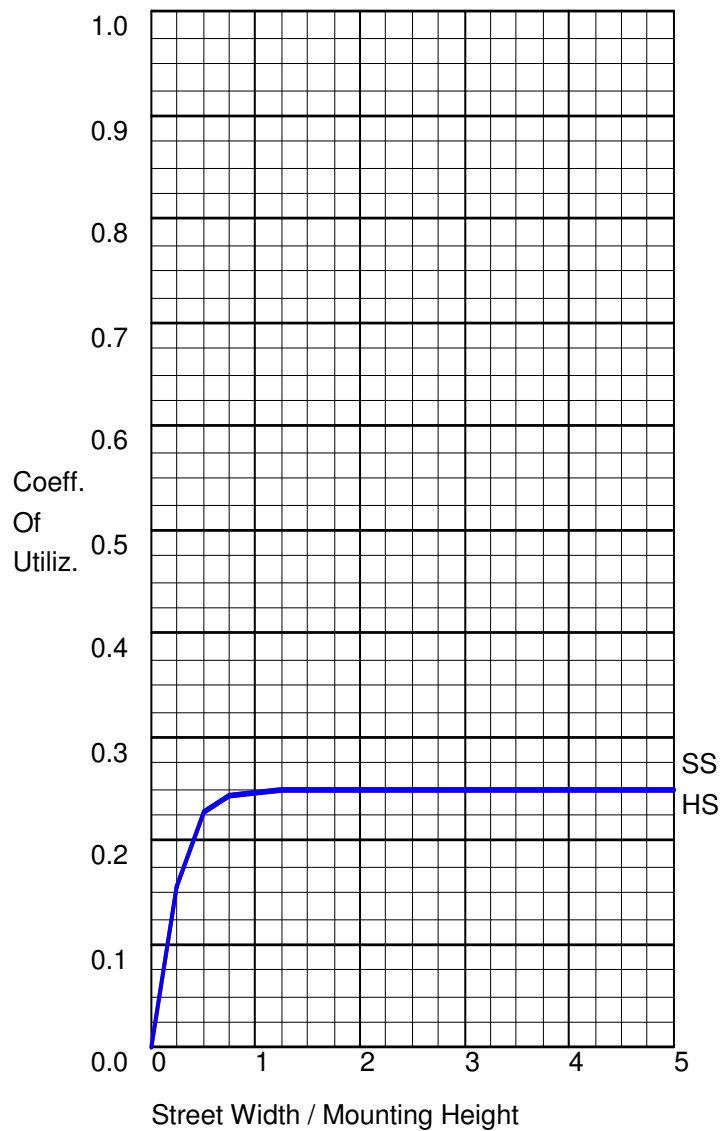
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CANDELA TABULATION

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	1841.477	1841.477	1841.477	1841.477	1841.477	1841.477	1841.477	1841.477	1841.477
5	1779.828	1775.478	1773.737	1775.478	1779.828	1775.478	1773.737	1775.478	1779.828
10	1577.273	1576.813	1573.265	1576.813	1577.273	1576.813	1573.265	1576.813	1577.273
15	1250.060	1251.569	1257.835	1251.569	1250.060	1251.569	1257.835	1251.569	1250.060
20	911.777	917.670	928.020	917.670	911.777	917.670	928.020	917.670	911.777
25	645.706	650.541	657.810	650.541	645.706	650.541	657.810	650.541	645.706
30	411.463	419.059	421.028	419.059	411.463	419.059	421.028	419.059	411.463
35	179.721	182.897	185.668	182.897	179.721	182.897	185.668	182.897	179.721
40	50.621	52.133	54.925	52.133	50.621	52.133	54.925	52.133	50.621
45	21.282	22.513	24.317	22.513	21.282	22.513	24.317	22.513	21.282
50	16.116	16.651	17.326	16.651	16.116	16.651	17.326	16.651	16.116
55	12.860	13.106	13.345	13.106	12.860	13.106	13.345	13.106	12.860
60	9.080	9.171	9.322	9.171	9.080	9.171	9.322	9.171	9.080
65	6.063	6.070	6.165	6.070	6.063	6.070	6.165	6.070	6.063
70	4.125	4.090	4.132	4.090	4.125	4.090	4.132	4.090	4.125
75	2.455	2.391	2.412	2.391	2.455	2.391	2.412	2.391	2.455
80	0.781	0.770	0.760	0.770	0.781	0.770	0.760	0.770	0.781
85	0.566	0.566	0.559	0.566	0.566	0.566	0.559	0.566	0.566
90	0.274	0.267	0.232	0.267	0.274	0.267	0.232	0.267	0.274
95	0.566	0.566	0.559	0.566	0.566	0.566	0.559	0.566	0.566
100	0.781	0.770	0.760	0.770	0.781	0.770	0.760	0.770	0.781
105	2.455	2.391	2.412	2.391	2.455	2.391	2.412	2.391	2.455
110	4.125	4.090	4.132	4.090	4.125	4.090	4.132	4.090	4.125
115	6.063	6.070	6.165	6.070	6.063	6.070	6.165	6.070	6.063
120	9.080	9.171	9.322	9.171	9.080	9.171	9.322	9.171	9.080
125	12.860	13.106	13.345	13.106	12.860	13.106	13.345	13.106	12.860
130	16.116	16.651	17.326	16.651	16.116	16.651	17.326	16.651	16.116
135	21.282	22.513	24.317	22.513	21.282	22.513	24.317	22.513	21.282
140	50.621	52.133	54.925	52.133	50.621	52.133	54.925	52.133	50.621
145	179.721	182.897	185.668	182.897	179.721	182.897	185.668	182.897	179.721
150	411.463	419.059	421.028	419.059	411.463	419.059	421.028	419.059	411.463
155	645.706	650.541	657.810	650.541	645.706	650.541	657.810	650.541	645.706
160	911.777	917.670	928.020	917.670	911.777	917.670	928.020	917.670	911.777
165	1250.060	1251.569	1257.835	1251.569	1250.060	1251.569	1257.835	1251.569	1250.060
170	1577.273	1576.813	1573.265	1576.813	1577.273	1576.813	1573.265	1576.813	1577.273
175	1779.828	1775.478	1773.737	1775.478	1779.828	1775.478	1773.737	1775.478	1779.828
180	1841.277	1841.277	1841.277	1841.277	1841.277	1841.277	1841.277	1841.277	1841.277

COEFFICIENTS OF UTILIZATION



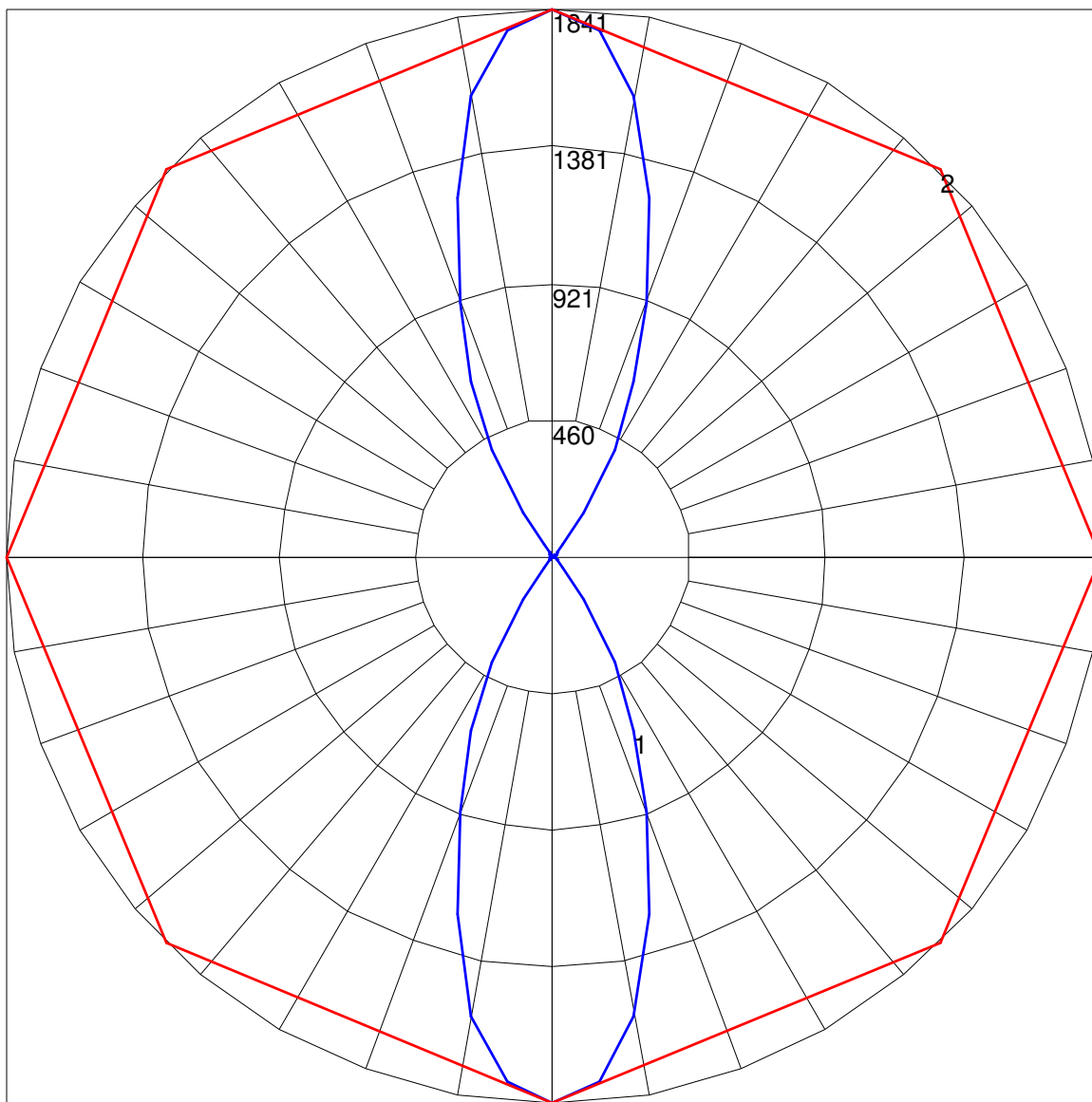
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	490.2	25.0
Downward House Side	490.2	25.0
Downward Total	980.4	50.0
Upward Street Side	490.2	25.0
Upward House Side	490.2	25.0
Upward Total	980.4	50.0
Total Flux	1960.8	100.0

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POLAR GRAPH



Maximum Candela = 1841.477 Located At Horizontal Angle = 360, Vertical Angle = 0

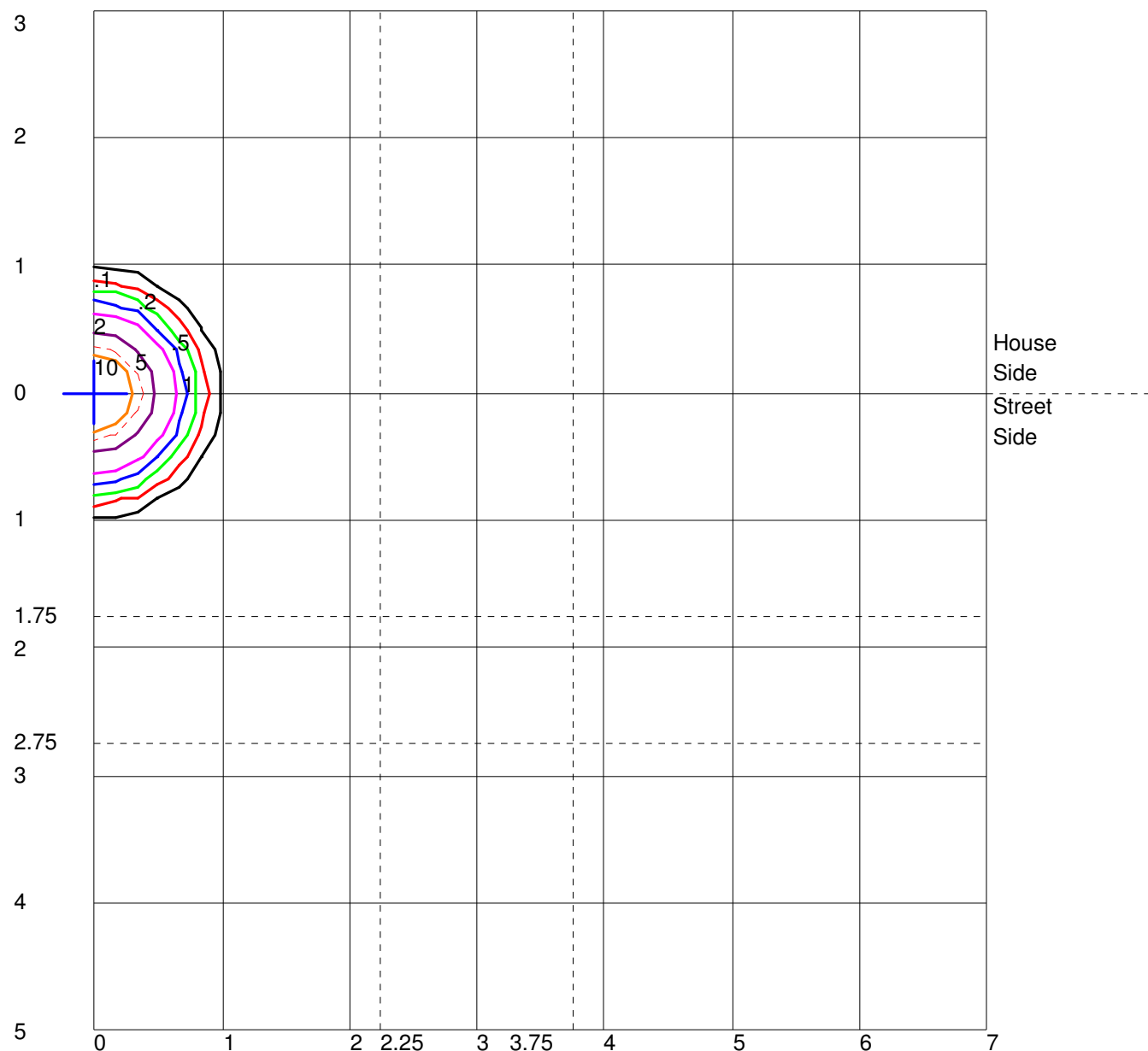
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

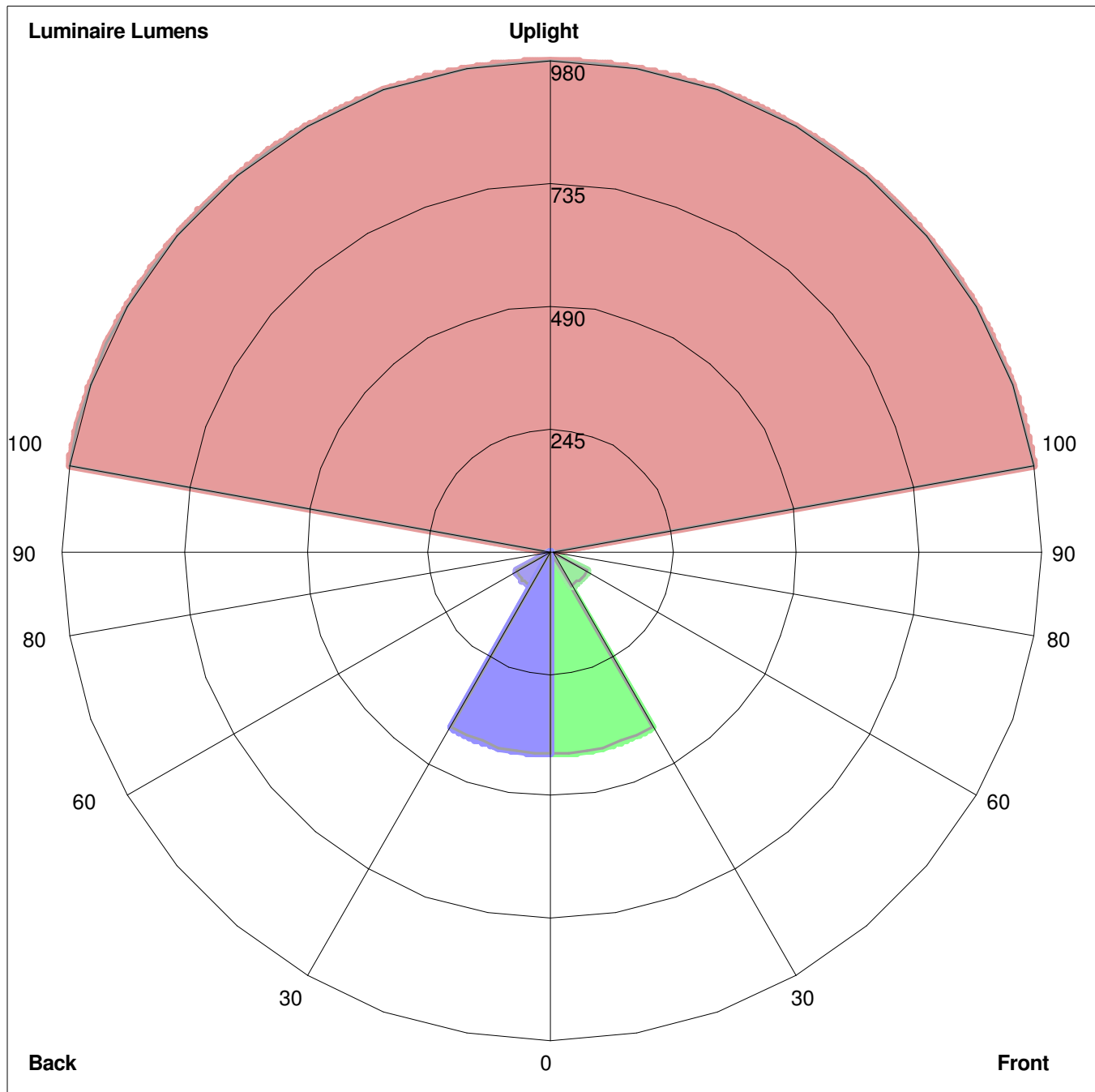
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=404.9, Medium=80.6, High=4.4, Very High=0.3
Back: Low=404.9, Medium=80.6, High=4.4, Very High=0.3
Uplight: Low=0.6, High=979.9

BUG Rating : B1-U4-G0