



## IES ROAD REPORT

PHOTOMETRIC FILENAME : VWMH-L17-750-TL-XXX-CGL-DIM-UNV\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN FROM BALLABS TEST NO. 18048.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUE DATE] 6-DEC-2022

[MANUFAC] WILLIAMS OUTDOOR

[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.

[LUMINAIRE] BRIDGELUX VERO LED MODULE 6x10"MINI HORIZONTAL WALLPACK

[MORE] CLEAR FLAT GLASS LENS

[MORE] INVENTRONICS LED DRIVER #LUC-018S050DSP

[LUMCAT] VWMH-L17-750-TL-xxx-CGL-DIM-UNV

[LAMPCAT] VERO 50C4000F

### CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2037
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	16
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	740.478
Maximum Candela Angle	95H 5V
Maximum Candela (<90 Degrees Vertical)	740.478
Maximum Candela Angle (<90 Degrees Vertical)	95H 5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	19.953 (1.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWMH-L17-750-TL-XXX-CGL-DIM-UNV\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	299.4	N.A.	14.7
FM - Front-Medium (30-60)	600.6	N.A.	29.5
FH - Front-High (60-80)	137.5	N.A.	6.8
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	299.8	N.A.	14.7
BM - Back-Medium (30-60)	597.3	N.A.	29.3
BH - Back-High (60-80)	101.6	N.A.	5.0
BVH - Back-Very High (80-90)	0.2	N.A.	0.0
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	2036.7	N.A.	100.0
BUG Rating	B1-U0-G0		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VWMH-L17-750-TL-XXX-CGL-DIM-UNV\_.IES**

**CANDELA TABULATION**

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>	<u>85</u>
0.0	733.827	733.827	733.827	733.827	733.827	733.827	733.827	733.827	733.827	733.827
5.0	739.370	737.153	737.153	737.153	737.153	737.153	739.370	738.261	739.370	740.478
10.0	738.261	734.936	736.044	734.936	737.153	737.153	737.153	737.153	737.153	737.153
15.0	730.502	727.176	730.502	728.285	730.502	730.502	730.502	731.610	730.502	731.610
20.0	718.308	717.200	716.091	716.091	717.200	717.200	718.308	719.417	718.308	718.308
25.0	696.138	697.247	698.355	699.464	698.355	698.355	699.464	699.464	697.247	698.355
30.0	671.751	671.751	673.968	675.077	672.860	673.968	671.751	675.077	673.968	675.077
35.0	638.496	638.496	638.496	641.822	640.713	641.822	637.388	645.147	644.039	641.822
40.0	595.265	595.265	594.156	601.916	597.482	599.699	597.482	600.807	606.350	600.807
45.0	547.599	549.816	545.382	550.925	548.708	554.250	549.816	552.033	556.467	556.467
50.0	492.174	493.283	486.632	487.740	486.632	493.283	489.957	485.523	493.283	495.500
55.0	424.556	427.881	420.122	421.230	420.122	433.424	424.556	420.122	430.098	425.664
60.0	334.767	344.744	339.201	340.310	344.744	359.154	349.178	342.527	353.612	348.069
62.5	273.800	277.125	278.234	282.668	290.427	295.970	295.970	299.295	301.512	299.295
65.0	190.662	199.530	211.724	218.375	248.304	250.521	252.738	250.521	250.521	254.955
67.5	98.657	110.850	131.912	141.888	187.337	202.856	213.941	206.181	203.964	208.398
70.0	29.930	36.581	47.666	57.642	113.067	128.586	165.167	158.516	156.299	164.058
72.5	5.543	6.651	5.543	12.194	38.798	58.751	99.765	113.067	114.176	121.935
75.0	2.217	2.217	3.326	2.217	3.326	9.977	34.364	72.053	68.727	82.029
77.5	3.326	2.217	2.217	2.217	3.326	2.217	3.326	24.387	44.340	46.557
80.0	0.000	1.109	0.000	0.000	0.000	0.000	0.000	0.000	13.302	19.953
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles	Horizontal Angles									
	<u>90</u>	<u>95</u>	<u>105</u>	<u>115</u>	<u>125</u>	<u>135</u>	<u>145</u>	<u>155</u>	<u>165</u>	<u>175</u>
0.0	733.827	733.827	733.827	733.827	733.827	733.827	733.827	733.827	733.827	733.827
5.0	739.370	740.478	739.370	737.153	737.153	738.261	737.153	738.261	737.153	737.153
10.0	738.261	737.153	737.153	737.153	736.044	737.153	737.153	738.261	737.153	737.153
15.0	734.936	730.502	731.610	729.393	733.827	730.502	730.502	730.502	730.502	730.502
20.0	718.308	720.525	720.525	714.983	718.308	719.417	719.417	720.525	720.525	720.525
25.0	698.355	700.572	700.572	698.355	700.572	701.681	698.355	698.355	699.464	700.572
30.0	671.751	675.077	676.185	673.968	673.968	676.185	675.077	675.077	671.751	672.860
35.0	641.822	641.822	642.930	644.039	641.822	645.147	645.147	641.822	638.496	641.822
40.0	598.590	604.133	601.916	601.916	600.807	601.916	601.916	596.373	601.916	601.916
45.0	547.599	556.467	546.491	554.250	553.142	549.816	552.033	539.840	556.467	552.033
50.0	489.957	501.042	489.957	495.500	489.957	491.066	492.174	476.655	493.283	487.740
55.0	424.556	433.424	427.881	430.098	424.556	427.881	424.556	407.928	413.471	402.386
60.0	344.744	359.154	355.829	346.961	344.744	341.418	324.791	276.017	262.715	256.064
62.5	290.427	302.621	298.187	292.644	285.993	289.319	239.436	181.794	151.865	150.756
65.0	252.738	256.064	247.196	252.738	242.762	225.026	157.407	80.921	27.713	8.868
67.5	213.941	212.832	200.639	216.158	190.662	139.671	82.029	0.000	0.000	0.000
70.0	167.384	167.384	154.082	164.058	46.557	29.930	0.000	0.000	0.000	0.000
72.5	125.261	125.261	108.633	103.091	0.000	0.000	0.000	0.000	0.000	0.000
75.0	83.138	82.029	70.944	49.883	0.000	0.000	0.000	0.000	0.000	0.000
77.5	46.557	47.666	38.798	13.302	0.000	0.000	0.000	0.000	0.000	0.000
80.0	18.845	18.845	8.868	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

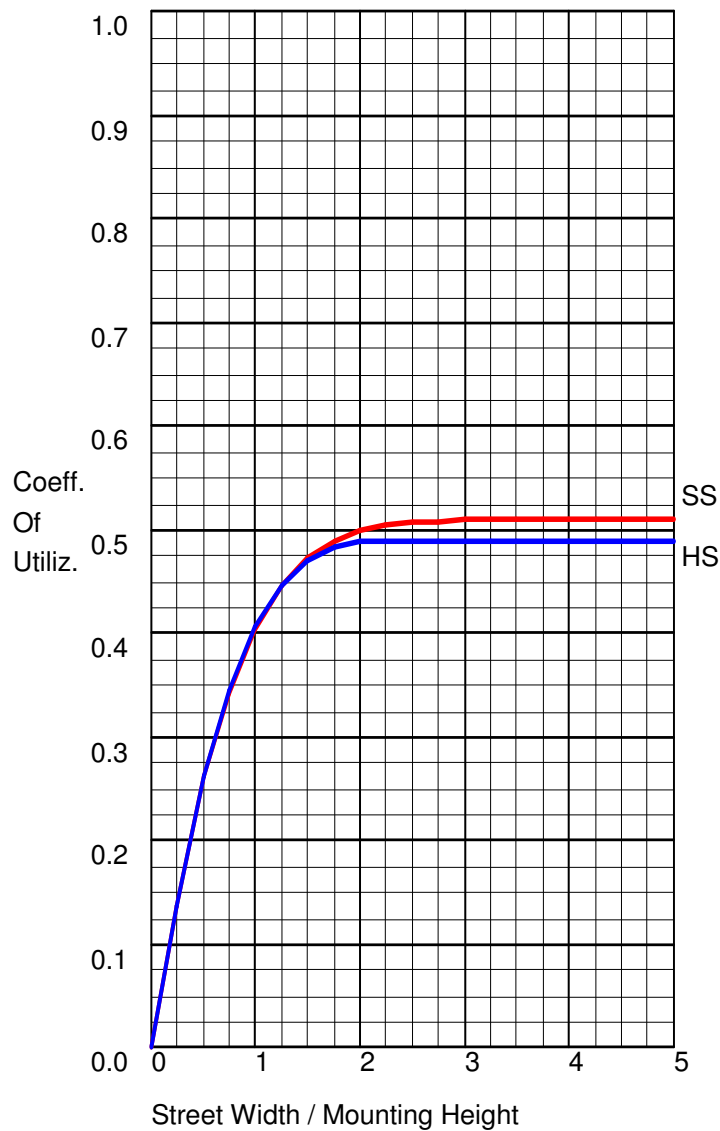
**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWMH-L17-750-TL-XXX-CGL-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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Vert. Angles	Horizontal Angles
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	<u>180</u>
0.0	733.827
5.0	737.153
10.0	737.153
15.0	729.393
20.0	718.308
25.0	697.247
30.0	670.643
35.0	641.822
40.0	601.916
45.0	553.142
50.0	491.066
55.0	411.254
60.0	271.583
62.5	139.671
65.0	5.543
67.5	0.000
70.0	0.000
72.5	0.000
75.0	0.000
77.5	0.000
80.0	0.000
82.5	0.000
85.0	0.000
87.5	0.000
90.0	0.000

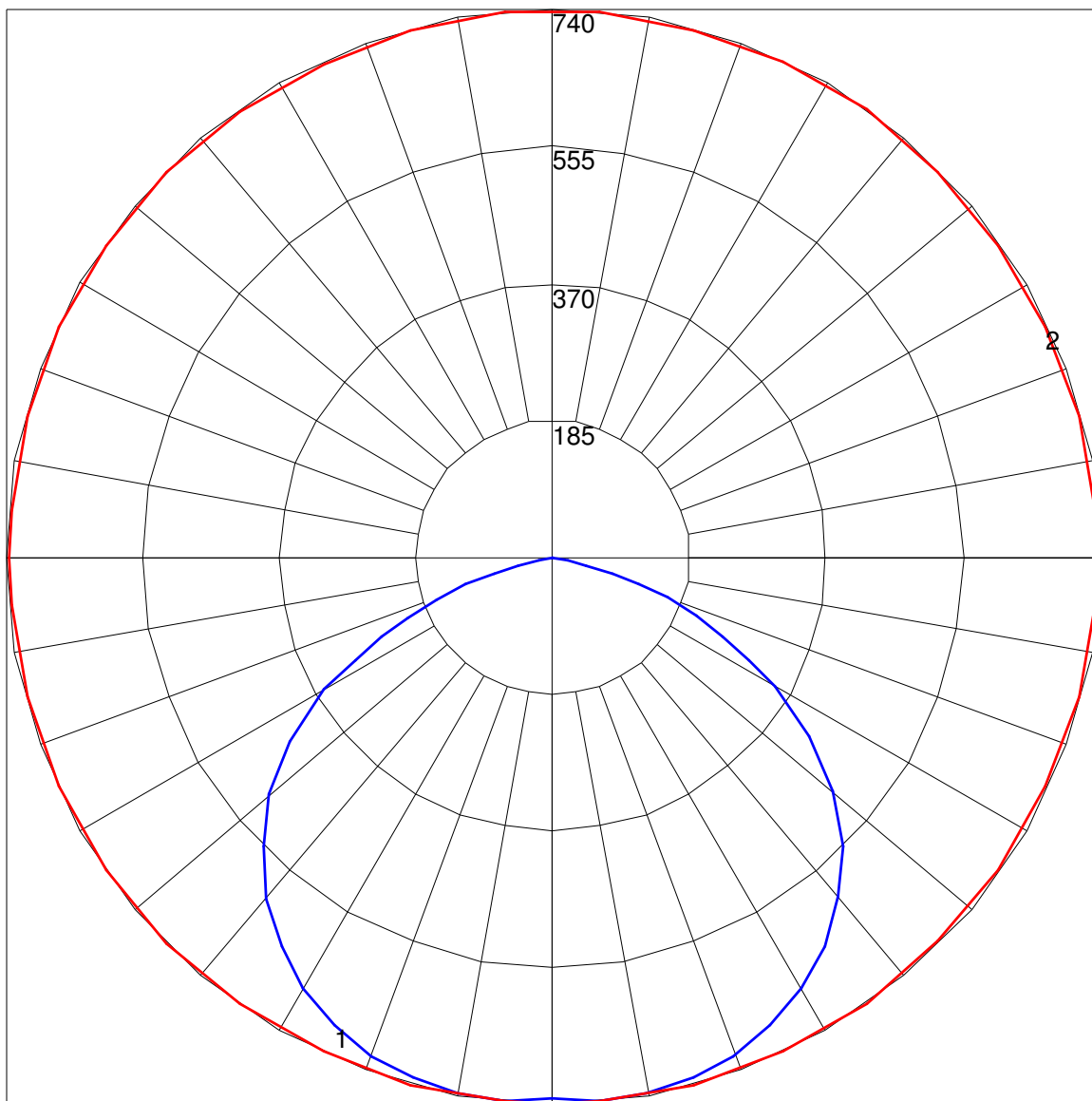
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

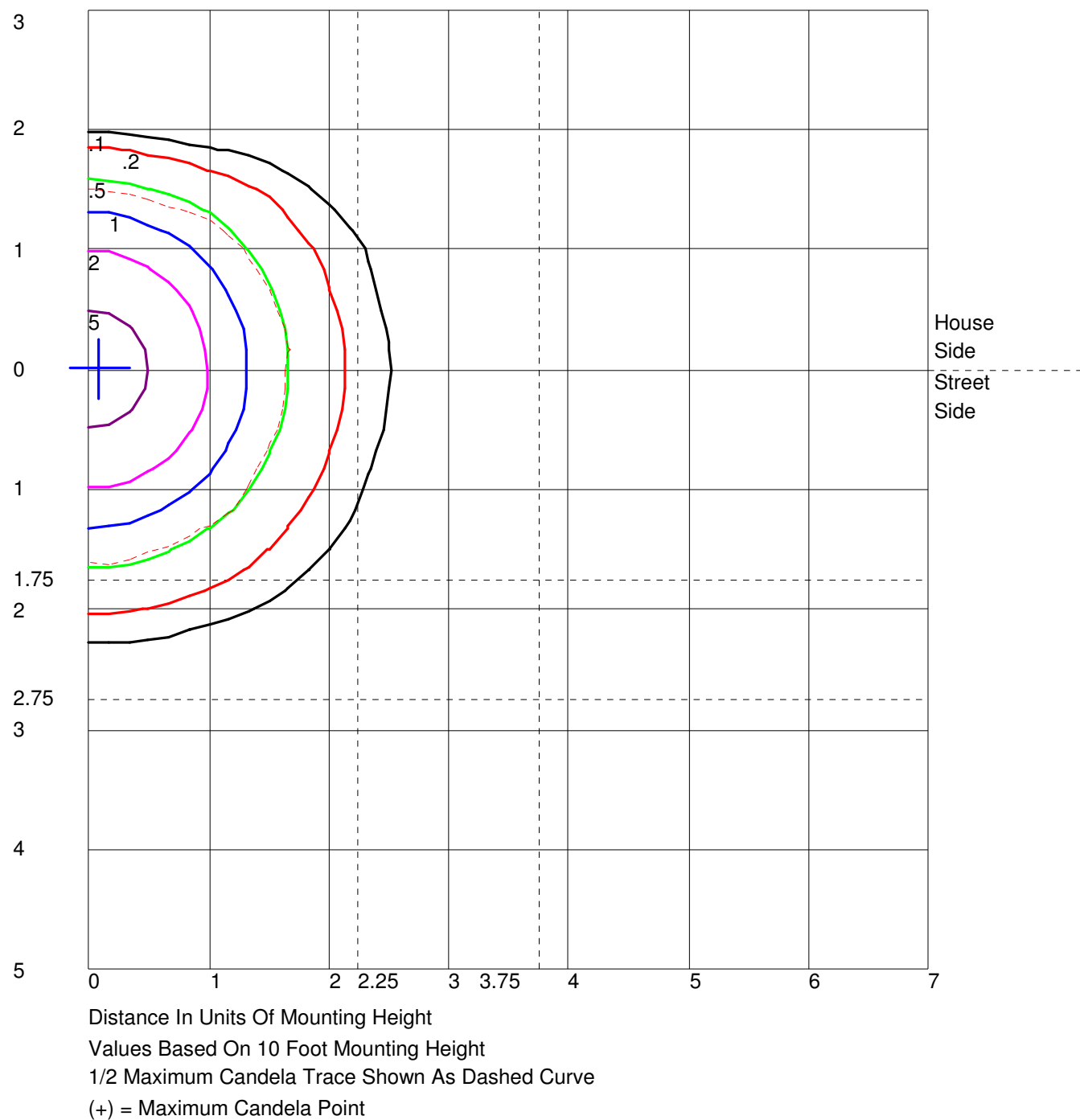
	Lumens	Percent Of Luminaire
Downward Street Side	1037.7	51.0
Downward House Side	999.0	49.0
Downward Total	2036.7	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	2036.7	100.0

POLAR GRAPH

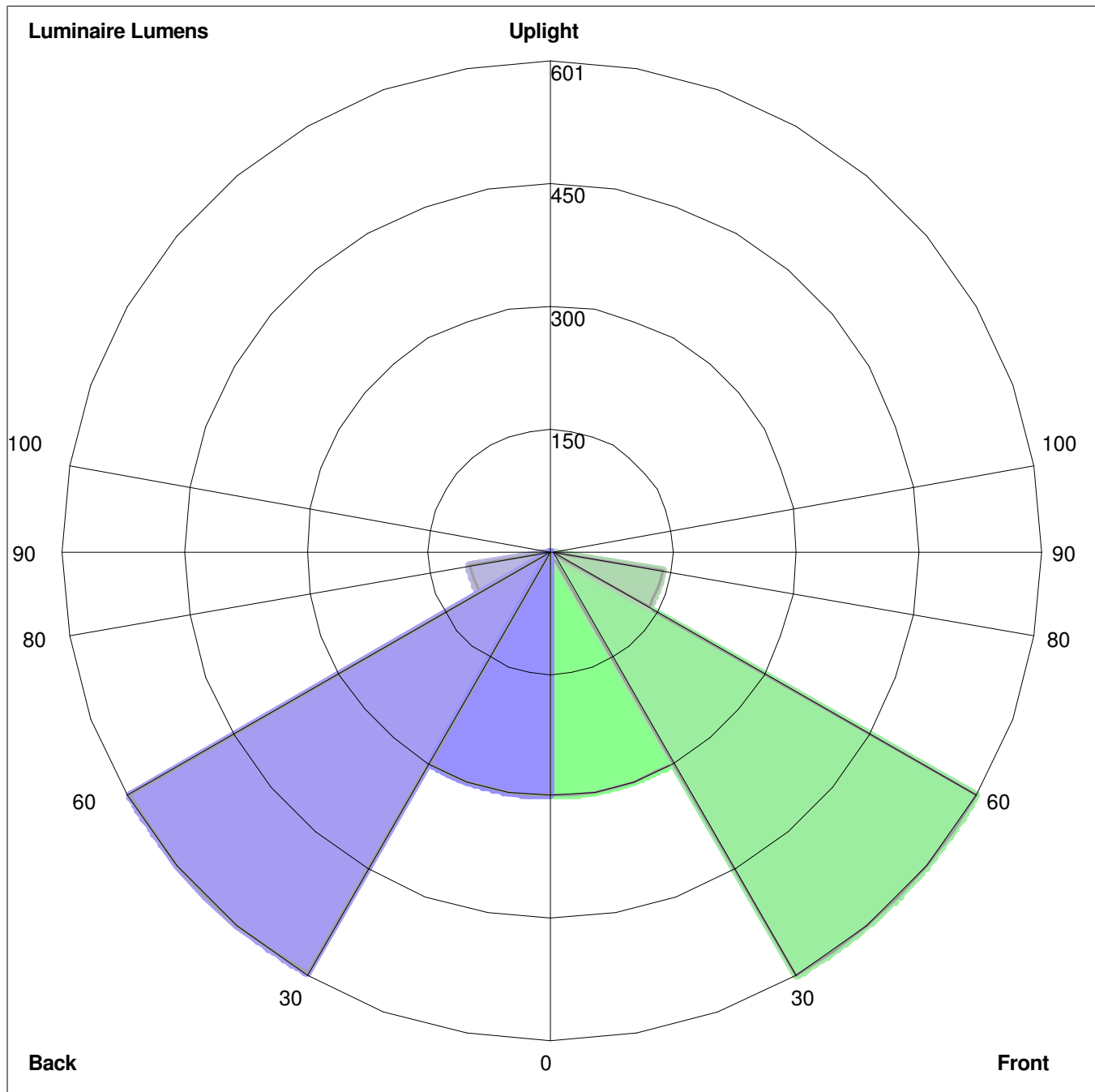


Maximum Candela = 740.478 Located At Horizontal Angle = 95, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (95 - 275) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=299.4, Medium=600.6, High=137.5, Very High=0.3  
Back: Low=299.8, Medium=597.3, High=101.6, Very High=0.2  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G0