



## IES ROAD REPORT

PHOTOMETRIC FILENAME : VWMH-L17-840-TL-XXX-CGL-DIM-UNV\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN FROM BALLABS TEST NO. 18047.0

[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-L17-740-TL-xxx-CGL-DIM-UNV

[LAMPCAT] VERO 40E4000F

### CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1921
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	16
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	730.128
Maximum Candela Angle	55H 5V
Maximum Candela (<90 Degrees Vertical)	730.128
Maximum Candela Angle (<90 Degrees Vertical)	55H 5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	17.808 (0.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWMH-L17-840-TL-XXX-CGL-DIM-UNV\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	292.0	N.A.	15.2
FM - Front-Medium (30-60)	564.3	N.A.	29.4
FH - Front-High (60-80)	126.5	N.A.	6.6
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	290.9	N.A.	15.1
BM - Back-Medium (30-60)	557.1	N.A.	29.0
BH - Back-High (60-80)	90.0	N.A.	4.7
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	1921.3	N.A.	100.0
BUG Rating	B1-U0-G0		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VWMH-L17-840-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	724.563	724.563	724.563	724.563	724.563	724.563	724.563	724.563	724.563	724.563
5.0	729.015	730.128	726.789	726.789	726.789	726.789	730.128	727.902	727.902	726.789
10.0	725.676	724.563	725.676	723.450	724.563	723.450	725.676	725.676	724.563	724.563
15.0	718.998	713.433	714.546	713.433	715.659	715.659	717.885	717.885	714.546	714.546
20.0	703.416	701.190	702.303	701.190	703.416	703.416	701.190	703.416	702.303	704.529
25.0	676.704	673.365	677.817	675.591	677.817	677.817	677.817	678.930	677.817	681.156
30.0	647.766	646.653	647.766	646.653	647.766	647.766	649.992	647.766	647.766	649.992
35.0	612.150	608.811	613.263	612.150	614.376	611.037	614.376	608.811	611.037	614.376
40.0	565.404	570.969	568.743	573.195	570.969	566.517	572.082	566.517	570.969	572.082
45.0	511.980	521.997	509.754	521.997	515.319	511.980	521.997	514.206	515.319	517.545
50.0	456.330	458.556	451.878	461.895	455.217	456.330	457.443	450.765	451.878	458.556
55.0	390.663	399.567	387.324	398.454	389.550	392.889	388.437	387.324	388.437	398.454
60.0	309.414	326.109	309.414	323.883	314.979	316.092	312.753	312.753	316.092	319.431
62.5	255.990	269.346	261.555	269.346	264.894	272.685	264.894	262.668	270.459	270.459
65.0	188.097	205.905	198.114	222.600	228.165	231.504	228.165	229.278	228.165	225.939
67.5	111.300	122.430	119.091	148.029	171.402	185.871	189.210	189.210	182.532	182.532
70.0	40.068	42.294	45.633	67.893	93.492	123.543	148.029	144.690	141.351	141.351
72.5	2.226	2.226	5.565	13.356	26.712	57.876	93.492	104.622	99.057	102.396
75.0	0.000	0.000	0.000	4.452	3.339	13.356	41.181	66.780	67.893	69.006
77.5	0.000	0.000	0.000	0.000	0.000	0.000	5.565	18.921	42.294	38.955
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	17.808	17.808
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	724.563	724.563	724.563	724.563	724.563	724.563	724.563	724.563	724.563	724.563
5.0	725.676	727.902	725.676	725.676	726.789	723.450	723.450	723.450	723.450	721.224
10.0	724.563	723.450	722.337	723.450	722.337	722.337	720.111	721.224	720.111	720.111
15.0	714.546	714.546	713.433	713.433	713.433	713.433	711.207	712.320	710.094	708.981
20.0	701.190	701.190	700.077	697.851	701.190	700.077	697.851	698.964	697.851	696.738
25.0	675.591	673.365	677.817	673.365	677.817	675.591	673.365	677.817	670.026	673.365
30.0	648.879	645.540	646.653	645.540	647.766	647.766	647.766	647.766	644.427	644.427
35.0	612.150	611.037	612.150	611.037	612.150	612.150	612.150	614.376	608.811	611.037
40.0	568.743	565.404	568.743	570.969	568.743	569.856	568.743	572.082	573.195	572.082
45.0	519.771	515.319	520.884	515.319	517.545	514.206	510.867	515.319	515.319	513.093
50.0	459.669	456.330	464.121	454.104	451.878	450.765	451.878	452.991	450.765	446.313
55.0	398.454	391.776	399.567	395.115	386.211	387.324	386.211	377.307	353.934	345.030
60.0	324.996	319.431	322.770	323.883	311.640	306.075	286.041	248.199	220.374	210.357
62.5	271.572	277.137	273.798	269.346	260.442	235.956	208.131	155.820	125.769	114.639
65.0	225.939	238.182	231.504	233.730	217.035	170.289	144.690	90.153	31.164	12.243
67.5	179.193	191.436	180.306	191.436	163.611	102.396	66.780	6.678	0.000	0.000
70.0	138.012	142.464	142.464	142.464	50.085	10.017	3.339	2.226	0.000	0.000
72.5	103.509	99.057	102.396	89.040	3.339	1.113	0.000	0.000	0.000	0.000
75.0	69.006	65.667	69.006	48.972	0.000	0.000	0.000	0.000	0.000	0.000
77.5	38.955	38.955	41.181	13.356	0.000	0.000	0.000	0.000	0.000	0.000
80.0	15.582	15.582	13.356	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

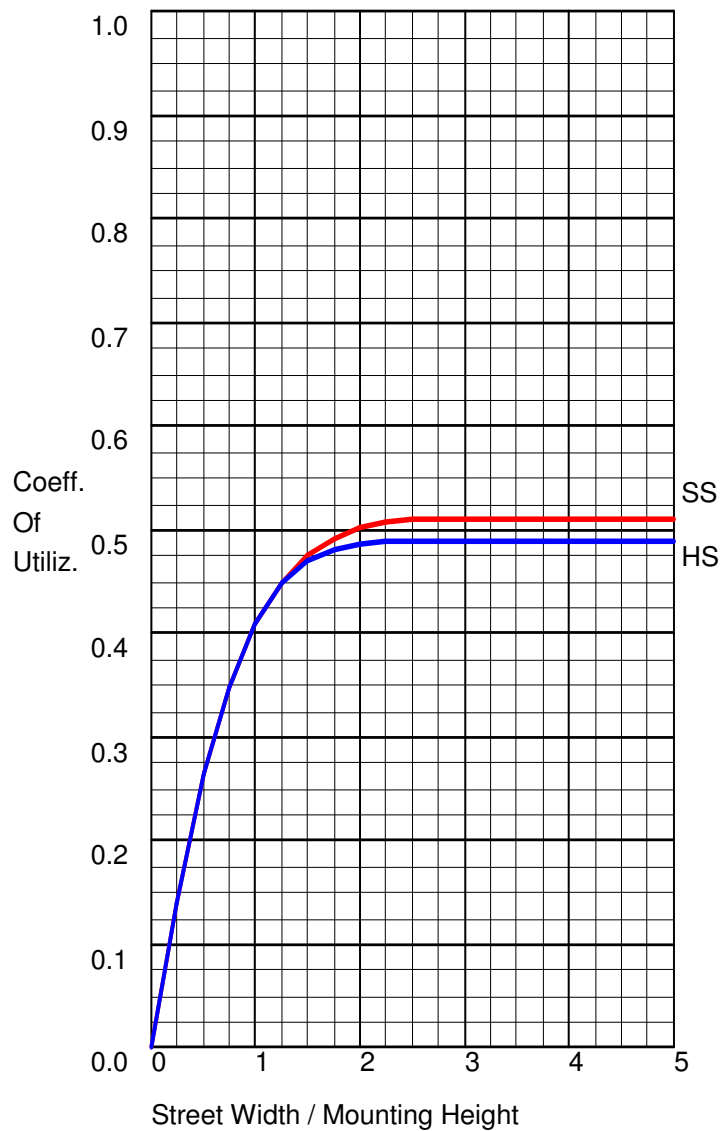
**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWMH-L17-840-TL-XXX-CGL-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

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	724.563
5.0	721.224
10.0	720.111
15.0	708.981
20.0	694.512
25.0	670.026
30.0	644.427
35.0	612.150
40.0	575.421
45.0	519.771
50.0	455.217
55.0	347.256
60.0	201.453
62.5	95.718
65.0	4.452
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

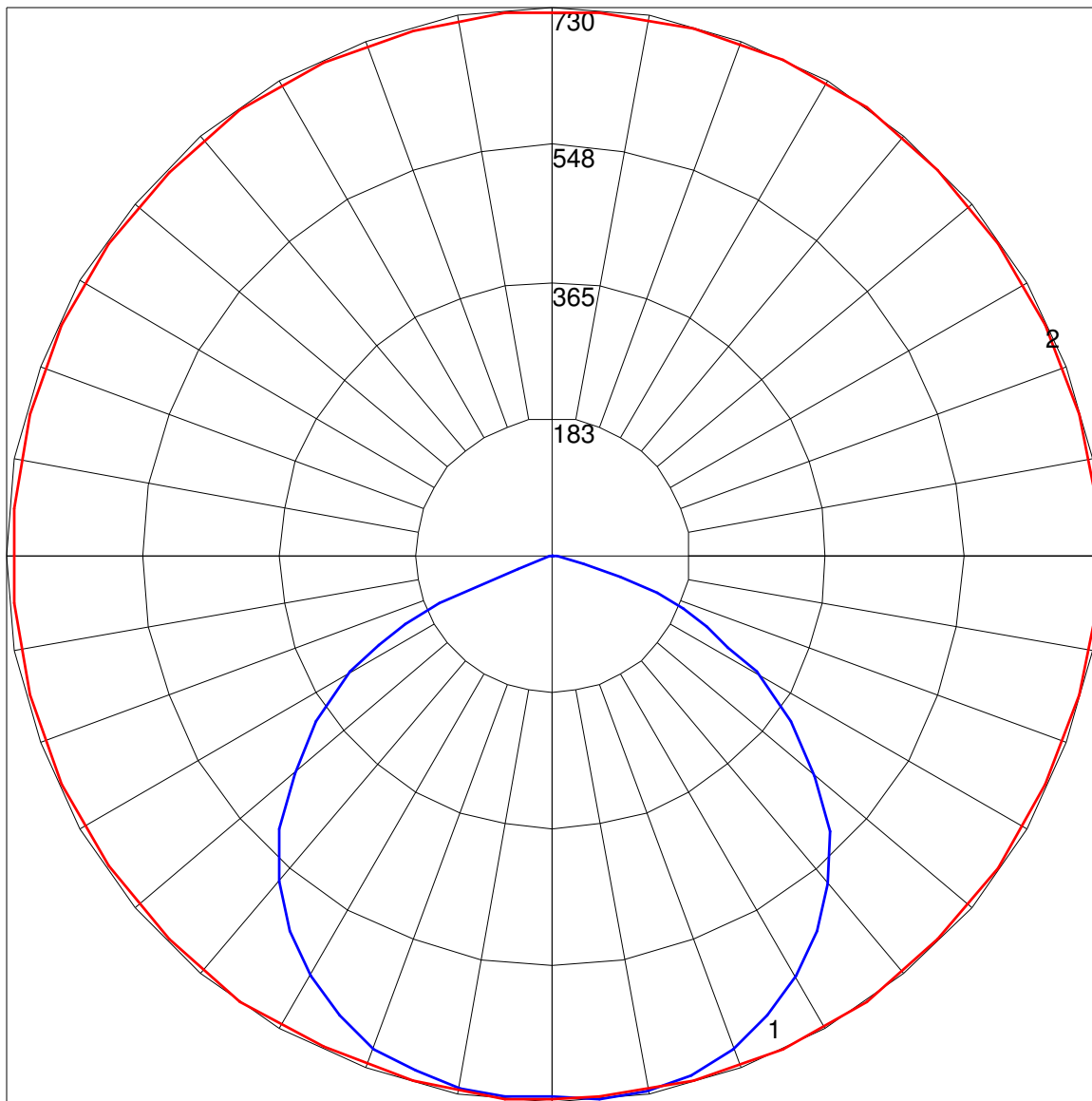
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

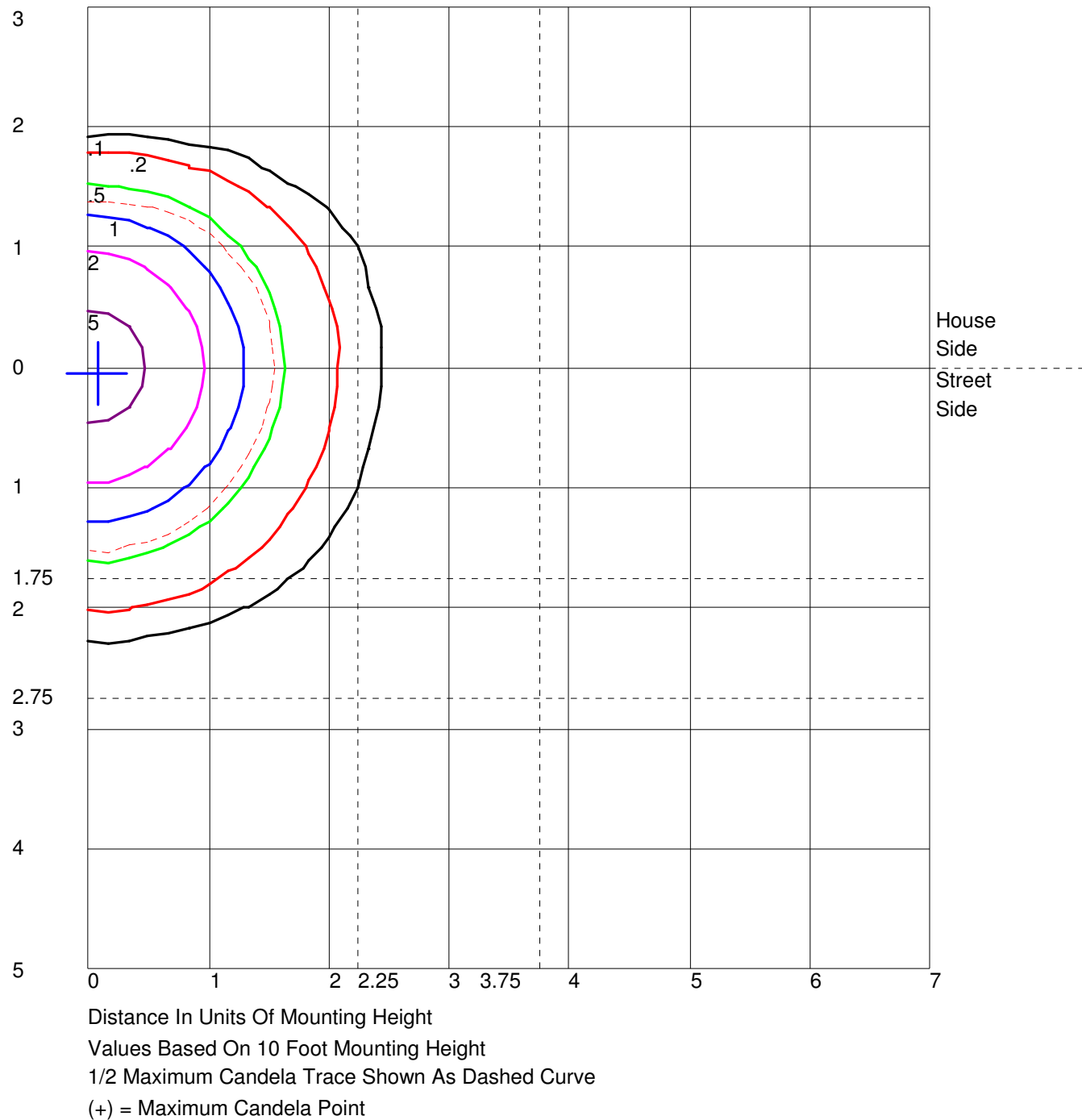
	Lumens	Percent Of Luminaire
Downward Street Side	983.1	51.2
Downward House Side	938.1	48.8
Downward Total	1921.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1921.2	100.0

POLAR GRAPH

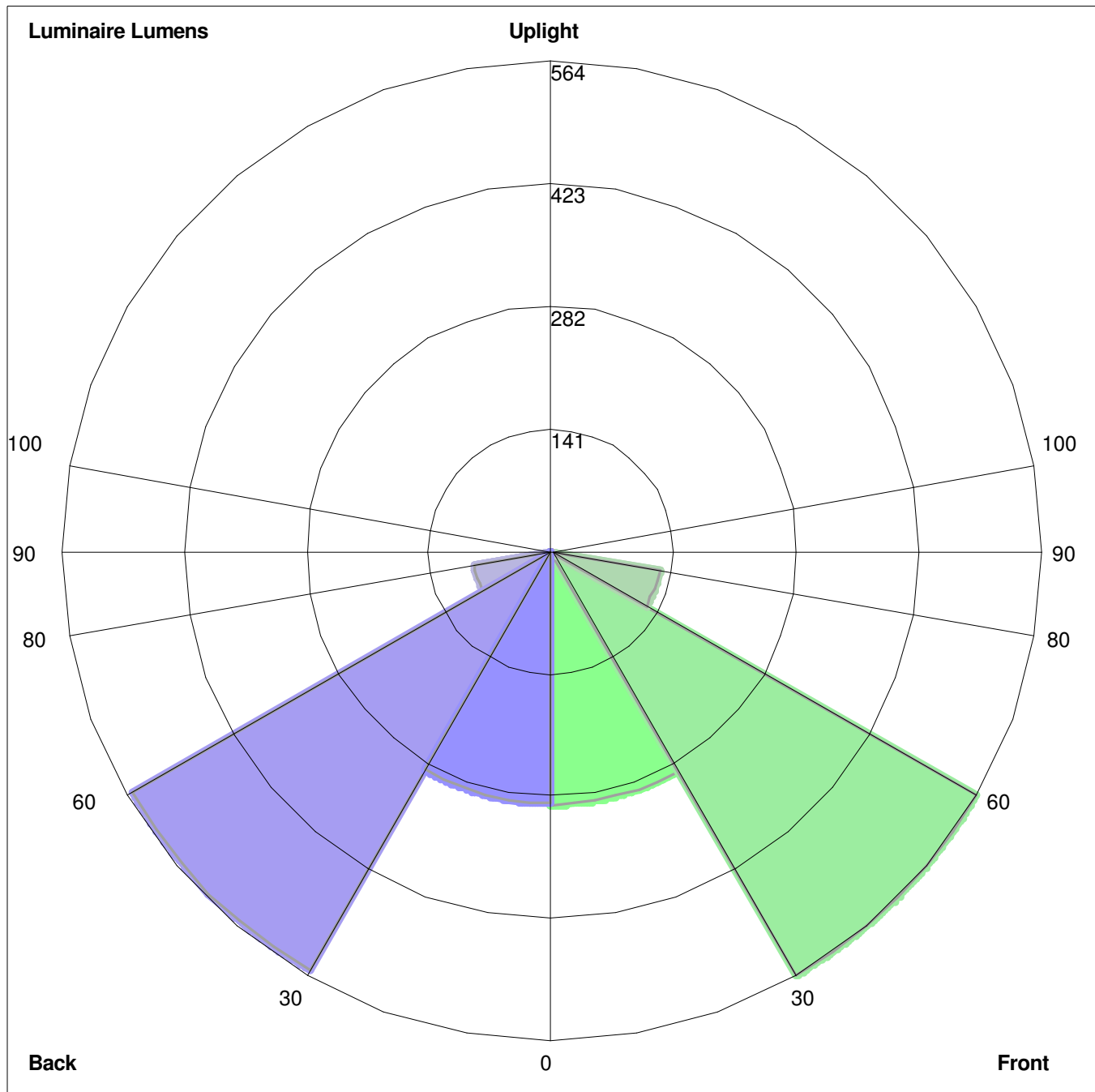


Maximum Candela = 730.128 Located At Horizontal Angle = 55, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=292.0, Medium=564.3, High=126.5, Very High=0.3  
Back: Low=290.9, Medium=557.1, High=90.0, Very High=0.2  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G0