



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWMH-L17-840-TL-XXX-SDGL-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-SDGL-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	1907
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	16
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	724.88
Maximum Candela Angle	55H 5V
Maximum Candela (<90 Degrees Vertical)	724.88
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	17.68 (0.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWMH-L17-840-TL-XXX-SDGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	289.9	N.A.	15.2
FM - Front-Medium (30-60)	560.2	N.A.	29.4
FH - Front-High (60-80)	125.6	N.A.	6.6
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	288.8	N.A.	15.1
BM - Back-Medium (30-60)	553.1	N.A.	29.0
BH - Back-High (60-80)	89.4	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	1907.5	N.A.	100.0
BUG Rating	B1-U0-G0		

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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	719.355	719.355	719.355	719.355	719.355	719.355	719.355	719.355	719.355	719.355
5.0	723.775	724.880	721.565	721.565	721.565	721.565	724.880	722.670	722.670	721.565
10.0	720.460	719.355	720.460	718.250	719.355	718.250	720.460	720.460	719.355	719.355
15.0	713.830	708.305	709.410	708.305	710.515	710.515	712.725	712.725	709.410	709.410
20.0	698.360	696.150	697.255	696.150	698.360	698.360	696.150	698.360	697.255	699.465
25.0	671.840	668.525	672.945	670.735	672.945	672.945	672.945	674.050	672.945	676.260
30.0	643.110	642.005	643.110	642.005	643.110	643.110	645.320	643.110	643.110	645.320
35.0	607.750	604.435	608.855	607.750	609.960	606.645	609.960	604.435	606.645	609.960
40.0	561.340	566.865	564.655	569.075	566.865	562.445	567.970	562.445	566.865	567.970
45.0	508.300	518.245	506.090	518.245	511.615	508.300	518.245	510.510	511.615	513.825
50.0	453.050	455.260	448.630	458.575	451.945	453.050	454.155	447.525	448.630	455.260
55.0	387.855	396.695	384.540	395.590	386.750	390.065	385.645	384.540	385.645	395.590
60.0	307.190	323.765	307.190	321.555	312.715	313.820	310.505	310.505	313.820	317.135
62.5	254.150	267.410	259.675	267.410	262.990	270.725	262.990	260.780	268.515	268.515
65.0	186.745	204.425	196.690	221.000	226.525	229.840	226.525	227.630	226.525	224.315
67.5	110.500	121.550	118.235	146.965	170.170	184.535	187.850	187.850	181.220	181.220
70.0	39.780	41.990	45.305	67.405	92.820	122.655	146.965	143.650	140.335	140.335
72.5	2.210	2.210	5.525	13.260	26.520	57.460	92.820	103.870	98.345	101.660
75.0	0.000	0.000	0.000	4.420	3.315	13.260	40.885	66.300	67.405	68.510
77.5	0.000	0.000	0.000	0.000	0.000	0.000	5.525	18.785	41.990	38.675
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	17.680	17.680
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	719.355	719.355	719.355	719.355	719.355	719.355	719.355	719.355	719.355	719.355
5.0	720.460	722.670	720.460	720.460	721.565	718.250	718.250	718.250	718.250	716.040
10.0	719.355	718.250	717.145	718.250	717.145	717.145	714.935	716.040	714.935	714.935
15.0	709.410	709.410	708.305	708.305	708.305	708.305	706.095	707.200	704.990	703.885
20.0	696.150	696.150	695.045	692.835	696.150	695.045	692.835	693.940	692.835	691.730
25.0	670.735	668.525	672.945	668.525	672.945	670.735	668.525	672.945	665.210	668.525
30.0	644.215	640.900	642.005	640.900	643.110	643.110	643.110	643.110	639.795	639.795
35.0	607.750	606.645	607.750	606.645	607.750	607.750	607.750	609.960	604.435	606.645
40.0	564.655	561.340	564.655	566.865	564.655	565.760	564.655	567.970	569.075	567.970
45.0	516.035	511.615	517.140	511.615	513.825	510.510	507.195	511.615	511.615	509.405
50.0	456.365	453.050	460.785	450.840	448.630	447.525	448.630	449.735	447.525	443.105
55.0	395.590	388.960	396.695	392.275	383.435	384.540	383.435	374.595	351.390	342.550
60.0	322.660	317.135	320.450	321.555	309.400	303.875	283.985	246.415	218.790	208.845
62.5	269.620	275.145	271.830	267.410	258.570	234.260	206.635	154.700	124.865	113.815
65.0	224.315	236.470	229.840	232.050	215.475	169.065	143.650	89.505	30.940	12.155
67.5	177.905	190.060	179.010	190.060	162.435	101.660	66.300	6.630	0.000	0.000
70.0	137.020	141.440	141.440	141.440	49.725	9.945	3.315	2.210	0.000	0.000
72.5	102.765	98.345	101.660	88.400	3.315	1.105	0.000	0.000	0.000	0.000
75.0	68.510	65.195	68.510	48.620	0.000	0.000	0.000	0.000	0.000	0.000
77.5	38.675	38.675	40.885	13.260	0.000	0.000	0.000	0.000	0.000	0.000
80.0	15.470	15.470	13.260	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

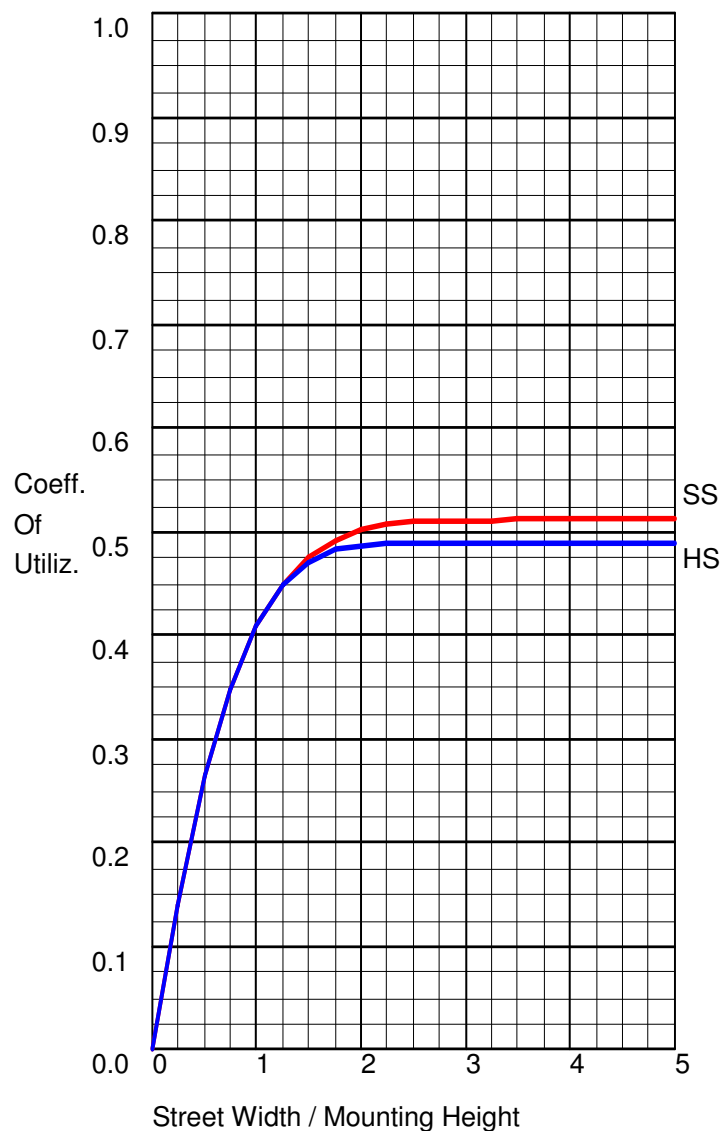
IES ROAD REPORT**PHOTOMETRIC FILENAME : VWMH-L17-840-TL-XXX-SDGL-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

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	719.355
5.0	716.040
10.0	714.935
15.0	703.885
20.0	689.520
25.0	665.210
30.0	639.795
35.0	607.750
40.0	571.285
45.0	516.035
50.0	451.945
55.0	344.760
60.0	200.005
62.5	95.030
65.0	4.420
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

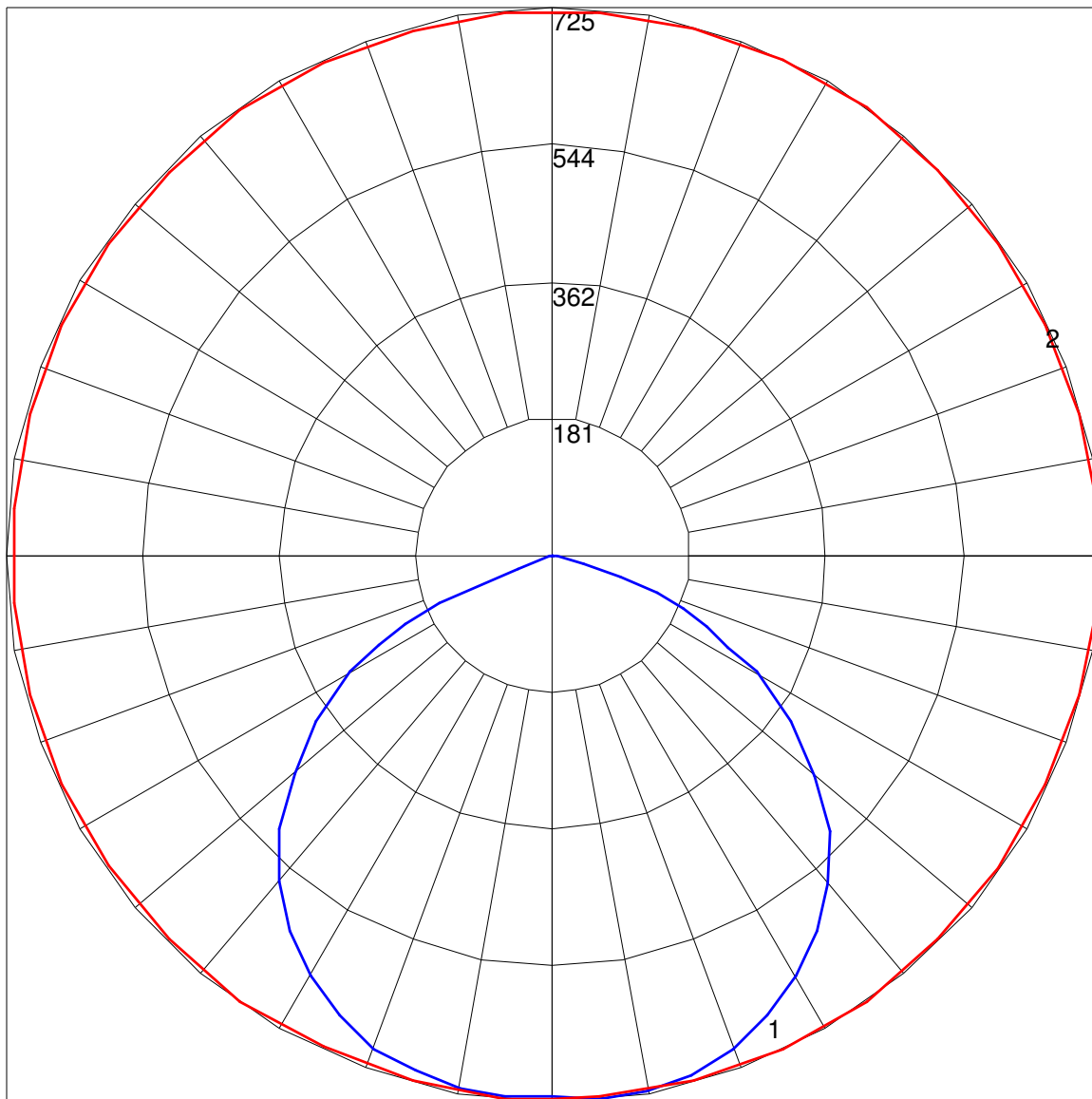
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

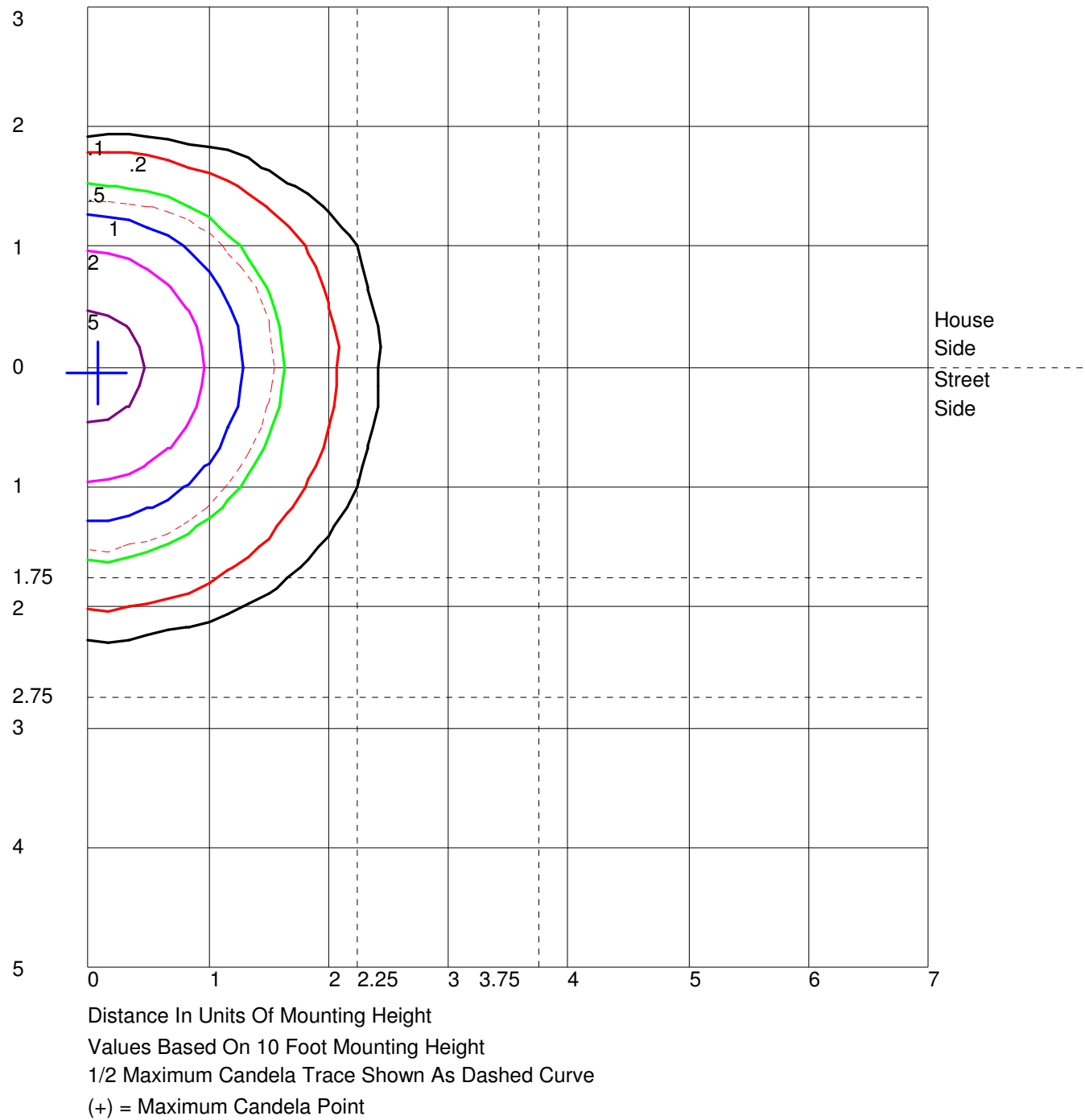
	Lumens	Percent Of Luminaire
Downward Street Side	976.0	51.2
Downward House Side	931.4	48.8
Downward Total	1907.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1907.4	100.0

POLAR GRAPH

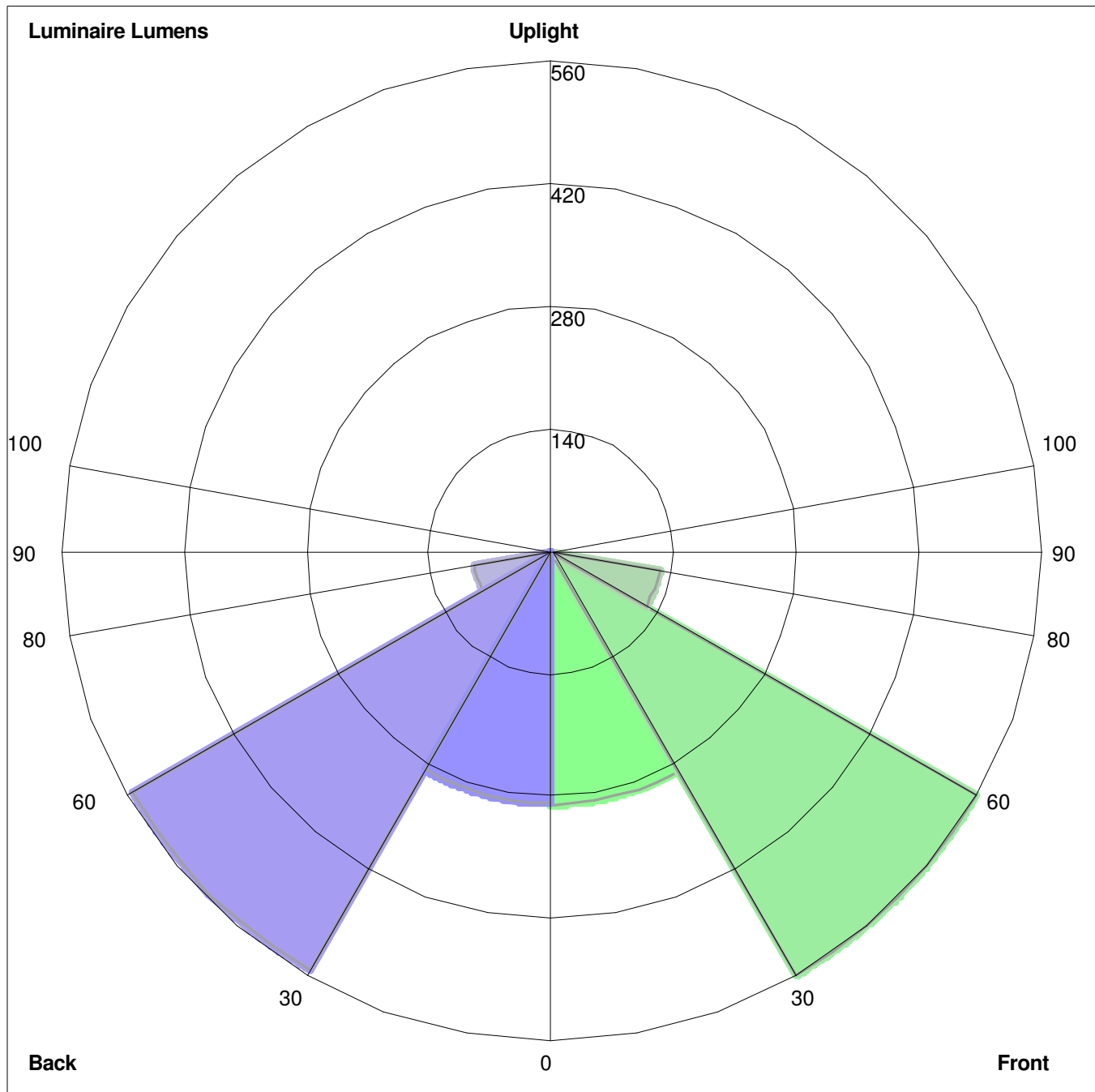


Maximum Candela = 724.88 Located At Horizontal Angle = 55, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=289.9, Medium=560.2, High=125.6, Very High=0.3
Back: Low=288.8, Medium=553.1, High=89.4, Very High=0.2
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G0