



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWMH-L17-830-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

[ISSUEDATE] 6-DEC-2022

[MANUFAC] WILLIAMS OUTDOOR

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

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

[MORE] CLEAR ACRYLIC LED LENS AND SOLITE GLASS LENS

[MORE] INVENTRONICS LED DRIVER #LUC-018S050DSP

[LUMCAT] VWMH-L17-730-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	1811
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	16
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	688.406
Maximum Candela Angle	55H 5V
Maximum Candela (<90 Degrees Vertical)	688.406
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	16.79 (0.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWMH-L17-830-TL-XXX-SDGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	275.4	N.A.	15.2
FM - Front-Medium (30-60)	532.0	N.A.	29.4
FH - Front-High (60-80)	119.3	N.A.	6.6
FVH - Front-Very High (80-90)	0.2	N.A.	0.0
BL - Back-Low (0-30)	274.2	N.A.	15.1
BM - Back-Medium (30-60)	525.2	N.A.	29.0
BH - Back-High (60-80)	84.9	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	1811.4	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	683.159	683.159	683.159	683.159	683.159	683.159	683.159	683.159	683.159	683.159
5.0	687.357	688.406	685.258	685.258	685.258	685.258	688.406	686.308	686.308	685.258
10.0	684.209	683.159	684.209	682.110	683.159	682.110	684.209	684.209	683.159	683.159
15.0	677.912	672.665	673.715	672.665	674.764	674.764	676.863	676.863	673.715	673.715
20.0	663.221	661.122	662.171	661.122	663.221	663.221	661.122	663.221	662.171	664.270
25.0	638.035	634.887	639.085	636.986	639.085	639.085	639.085	640.134	639.085	642.233
30.0	610.751	609.701	610.751	609.701	610.751	610.751	612.850	610.751	610.751	612.850
35.0	577.170	574.022	578.219	577.170	579.269	576.121	579.269	574.022	576.121	579.269
40.0	533.095	538.342	536.243	540.441	538.342	534.145	539.392	534.145	538.342	539.392
45.0	482.724	492.169	480.625	492.169	485.872	482.724	492.169	484.823	485.872	487.971
50.0	430.254	432.353	426.056	435.501	429.205	430.254	431.303	425.007	426.056	432.353
55.0	368.339	376.735	365.191	375.685	367.290	370.438	366.241	365.191	366.241	375.685
60.0	291.733	307.474	291.733	305.375	296.980	298.030	294.881	294.881	298.030	301.178
62.5	241.362	253.955	246.609	253.955	249.757	257.103	249.757	247.658	255.004	255.004
65.0	177.349	194.139	186.793	209.880	215.127	218.275	215.127	216.176	215.127	213.028
67.5	104.940	115.434	112.286	139.570	161.608	175.250	178.398	178.398	172.102	172.102
70.0	37.778	39.877	43.025	64.013	88.150	116.483	139.570	136.422	133.274	133.274
72.5	2.099	2.099	5.247	12.593	25.186	54.569	88.150	98.644	93.397	96.545
75.0	0.000	0.000	0.000	4.198	3.148	12.593	38.828	62.964	64.013	65.063
77.5	0.000	0.000	0.000	0.000	0.000	0.000	5.247	17.840	39.877	36.729
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	16.790	16.790
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	683.159	683.159	683.159	683.159	683.159	683.159	683.159	683.159	683.159	683.159
5.0	684.209	686.308	684.209	684.209	685.258	682.110	682.110	682.110	682.110	680.011
10.0	683.159	682.110	681.061	682.110	681.061	681.061	678.962	680.011	678.962	678.962
15.0	673.715	673.715	672.665	672.665	672.665	672.665	670.567	671.616	669.517	668.468
20.0	661.122	661.122	660.073	657.974	661.122	660.073	657.974	659.023	657.974	656.924
25.0	636.986	634.887	639.085	634.887	639.085	636.986	634.887	639.085	631.739	634.887
30.0	611.800	608.652	609.701	608.652	610.751	610.751	610.751	610.751	607.603	607.603
35.0	577.170	576.121	577.170	576.121	577.170	577.170	577.170	579.269	574.022	576.121
40.0	536.243	533.095	536.243	538.342	536.243	537.293	536.243	539.392	540.441	539.392
45.0	490.070	485.872	491.119	485.872	487.971	484.823	481.675	485.872	485.872	483.773
50.0	433.402	430.254	437.600	428.155	426.056	425.007	426.056	427.106	425.007	420.809
55.0	375.685	369.389	376.735	372.537	364.142	365.191	364.142	355.747	333.709	325.314
60.0	306.425	301.178	304.326	305.375	293.832	288.585	269.696	234.016	207.781	198.337
62.5	256.054	261.301	258.152	253.955	245.560	222.473	196.238	146.916	118.582	108.088
65.0	213.028	224.572	218.275	220.374	204.633	160.558	136.422	85.001	29.383	11.543
67.5	168.953	180.497	170.003	180.497	154.262	96.545	62.964	6.296	0.000	0.000
70.0	130.126	134.323	134.323	134.323	47.223	9.445	3.148	2.099	0.000	0.000
72.5	97.594	93.397	96.545	83.952	3.148	1.049	0.000	0.000	0.000	0.000
75.0	65.063	61.915	65.063	46.174	0.000	0.000	0.000	0.000	0.000	0.000
77.5	36.729	36.729	38.828	12.593	0.000	0.000	0.000	0.000	0.000	0.000
80.0	14.692	14.692	12.593	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

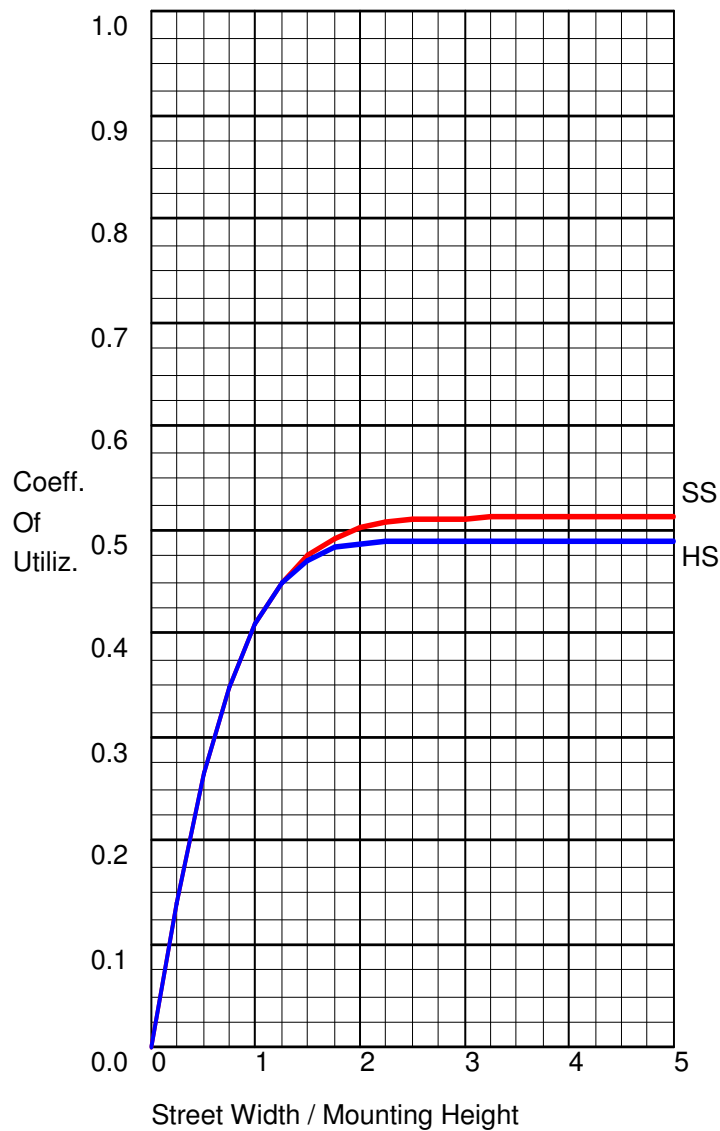
IES ROAD REPORT**PHOTOMETRIC FILENAME : VWMH-L17-830-TL-XXX-SDGL-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

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	683.159
5.0	680.011
10.0	678.962
15.0	668.468
20.0	654.826
25.0	631.739
30.0	607.603
35.0	577.170
40.0	542.540
45.0	490.070
50.0	429.205
55.0	327.413
60.0	189.941
62.5	90.248
65.0	4.198
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

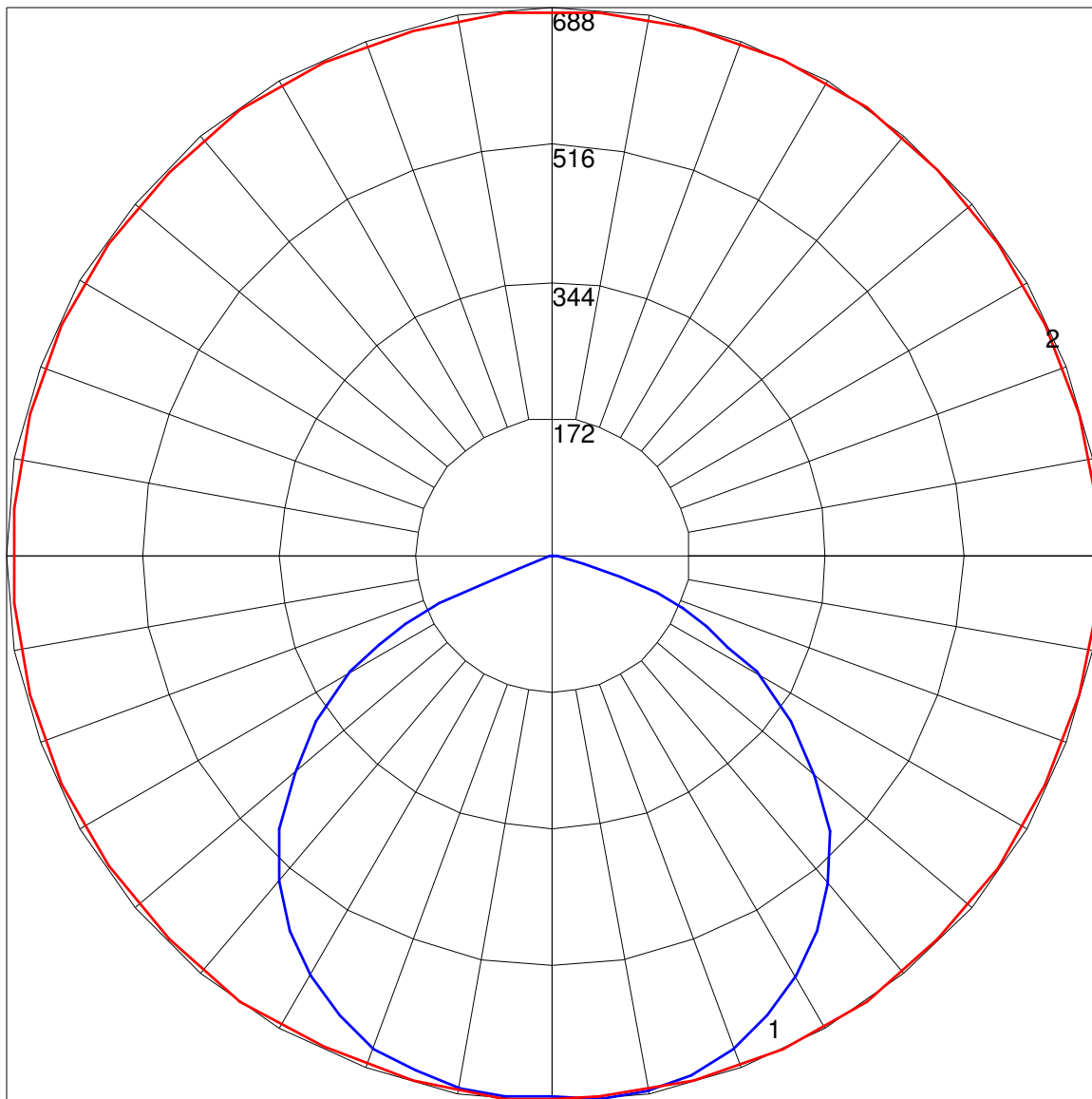
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

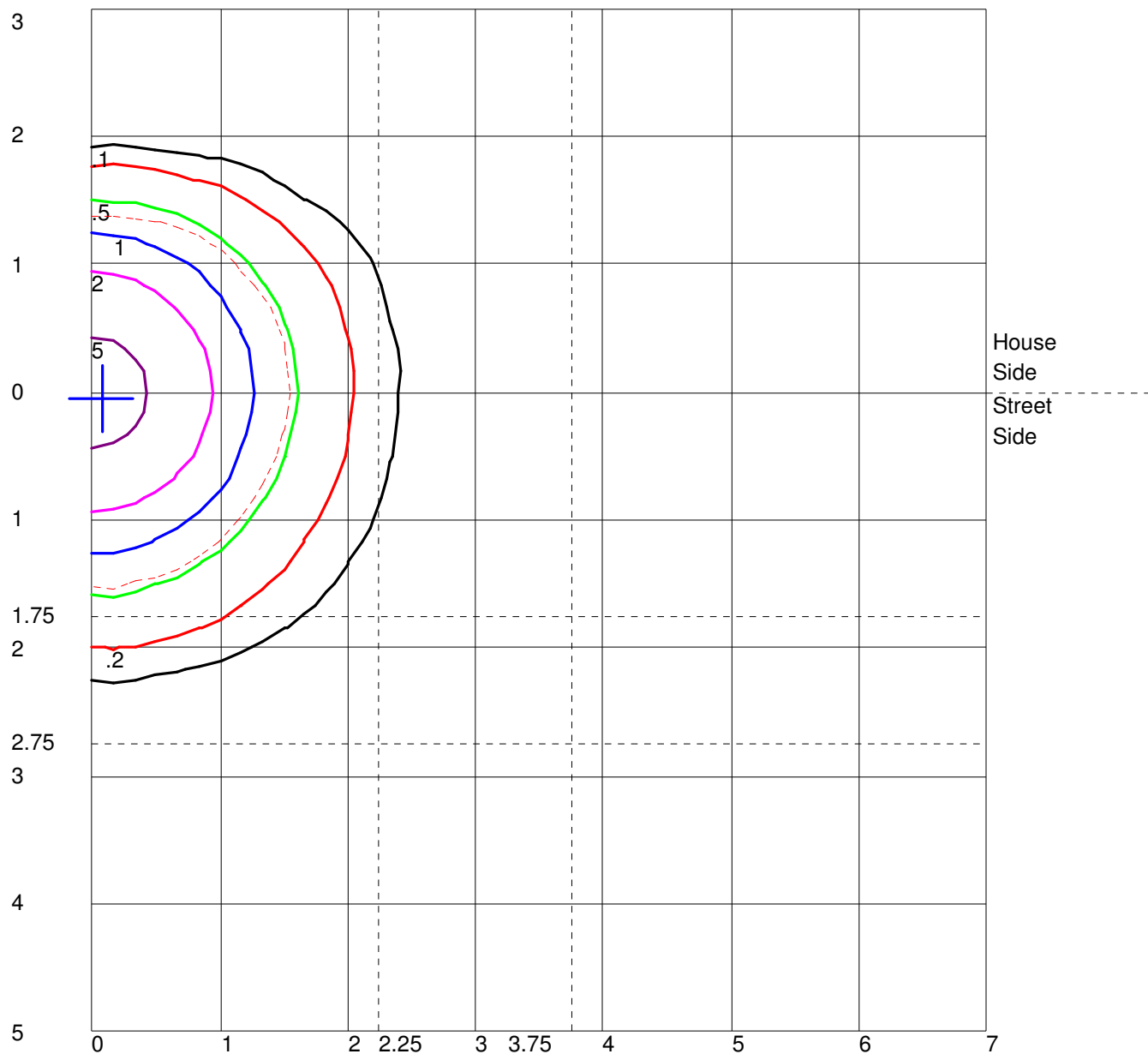
	Lumens	Percent Of Luminaire
Downward Street Side	926.9	51.2
Downward House Side	884.5	48.8
Downward Total	1811.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1811.4	100.0

POLAR GRAPH

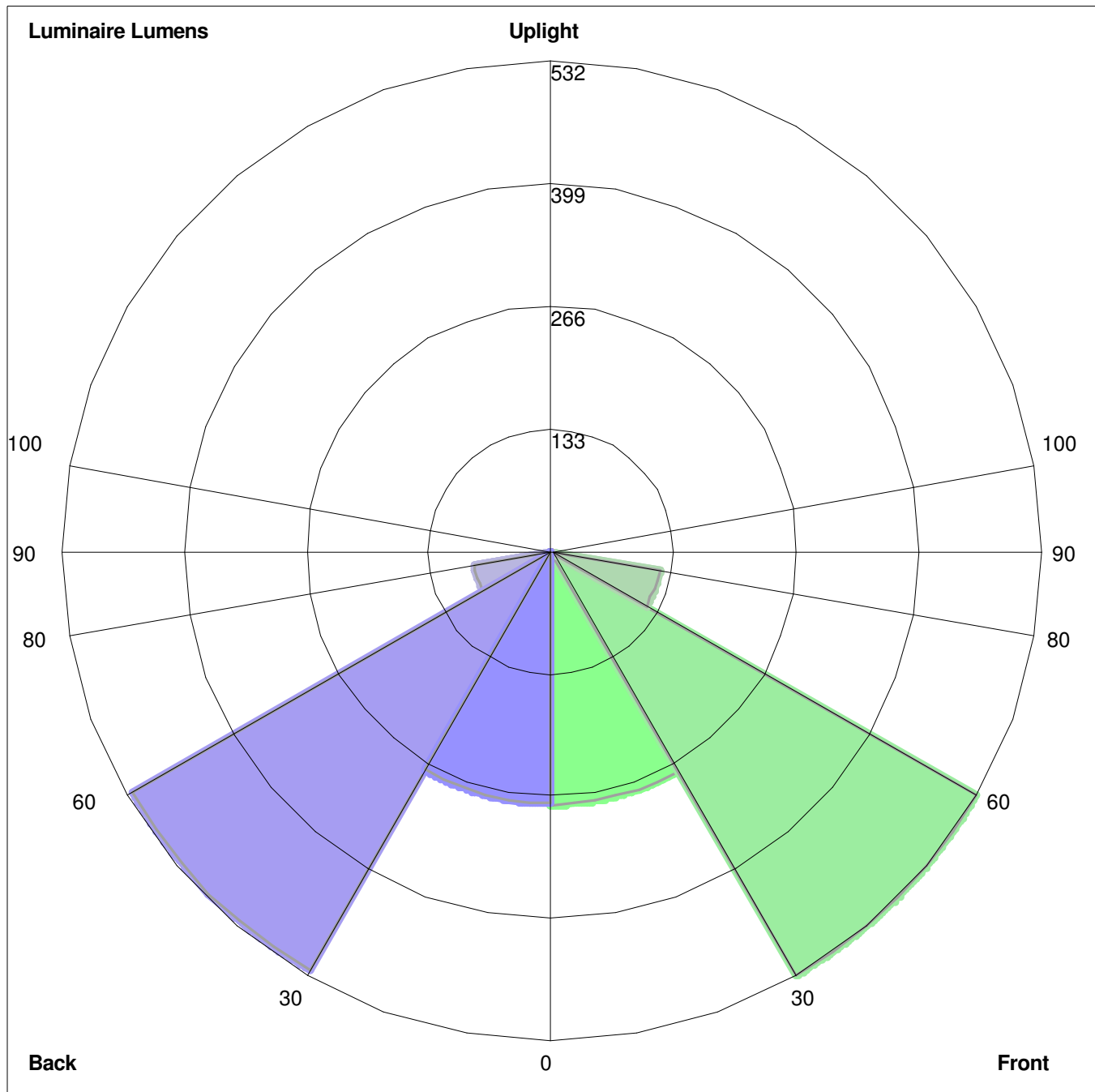


Maximum Candela = 688.406 Located At Horizontal Angle = 55, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=275.4, Medium=532.0, High=119.3, Very High=0.2
Back: Low=274.2, Medium=525.2, High=84.9, Very High=0.2
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G0