



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWMH-L10-840-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 ACRYLIC LED LENS AND SOLITE GLASS LENS

[MORE] INVENTRONICS LED DRIVER #LUC-018S050DSP

[LUMCAT] VWMH-L10-740-TL-xxx-SDGL

[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	1365
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	13
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	518.896
Maximum Candela Angle	55H 5V
Maximum Candela (<90 Degrees Vertical)	518.896
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	12.656 (0.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWMH-L10-840-TL-XXX-SDGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	207.6	N.A.	15.2
FM - Front-Medium (30-60)	401.0	N.A.	29.4
FH - Front-High (60-80)	89.9	N.A.	6.6
FVH - Front-Very High (80-90)	0.2	N.A.	0.0
BL - Back-Low (0-30)	206.7	N.A.	15.1
BM - Back-Medium (30-60)	395.9	N.A.	29.0
BH - Back-High (60-80)	64.0	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	1365.5	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	514.941	514.941	514.941	514.941	514.941	514.941	514.941	514.941	514.941	514.941
5.0	518.105	518.896	516.523	516.523	516.523	516.523	518.896	517.314	517.314	516.523
10.0	515.732	514.941	515.732	514.150	514.941	514.150	515.732	515.732	514.941	514.941
15.0	510.986	507.031	507.822	507.031	508.613	508.613	510.195	510.195	507.822	507.822
20.0	499.912	498.330	499.121	498.330	499.912	499.912	498.330	499.912	499.121	500.703
25.0	480.928	478.555	481.719	480.137	481.719	481.719	481.719	482.510	481.719	484.092
30.0	460.362	459.571	460.362	459.571	460.362	460.362	461.944	460.362	460.362	461.944
35.0	435.050	432.677	435.841	435.050	436.632	434.259	436.632	432.677	434.259	436.632
40.0	401.828	405.783	404.201	407.365	405.783	402.619	406.574	402.619	405.783	406.574
45.0	363.860	370.979	362.278	370.979	366.233	363.860	370.979	365.442	366.233	367.815
50.0	324.310	325.892	321.146	328.265	323.519	324.310	325.101	320.355	321.146	325.892
55.0	277.641	283.969	275.268	283.178	276.850	279.223	276.059	275.268	276.059	283.178
60.0	219.898	231.763	219.898	230.181	223.853	224.644	222.271	222.271	224.644	227.017
62.5	181.930	191.422	185.885	191.422	188.258	193.795	188.258	186.676	192.213	192.213
65.0	133.679	146.335	140.798	158.200	162.155	164.528	162.155	162.946	162.155	160.573
67.5	79.100	87.010	84.637	105.203	121.814	132.097	134.470	134.470	129.724	129.724
70.0	28.476	30.058	32.431	48.251	66.444	87.801	105.203	102.830	100.457	100.457
72.5	1.582	1.582	3.955	9.492	18.984	41.132	66.444	74.354	70.399	72.772
75.0	0.000	0.000	0.000	3.164	2.373	9.492	29.267	47.460	48.251	49.042
77.5	0.000	0.000	0.000	0.000	0.000	0.000	3.955	13.447	30.058	27.685
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	12.656	12.656
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	514.941	514.941	514.941	514.941	514.941	514.941	514.941	514.941	514.941	514.941
5.0	515.732	517.314	515.732	515.732	516.523	514.150	514.150	514.150	514.150	512.568
10.0	514.941	514.150	513.359	514.150	513.359	513.359	511.777	512.568	511.777	511.777
15.0	507.822	507.822	507.031	507.031	507.031	507.031	505.449	506.240	504.658	503.867
20.0	498.330	498.330	497.539	495.957	498.330	497.539	495.957	496.748	495.957	495.166
25.0	480.137	478.555	481.719	478.555	481.719	480.137	478.555	481.719	476.182	478.555
30.0	461.153	458.780	459.571	458.780	460.362	460.362	460.362	460.362	457.989	457.989
35.0	435.050	434.259	435.050	434.259	435.050	435.050	435.050	436.632	432.677	434.259
40.0	404.201	401.828	404.201	405.783	404.201	404.992	404.201	406.574	407.365	406.574
45.0	369.397	366.233	370.188	366.233	367.815	365.442	363.069	366.233	366.233	364.651
50.0	326.683	324.310	329.847	322.728	321.146	320.355	321.146	321.937	320.355	317.191
55.0	283.178	278.432	283.969	280.805	274.477	275.268	274.477	268.149	251.538	245.210
60.0	230.972	227.017	229.390	230.181	221.480	217.525	203.287	176.393	156.618	149.499
62.5	193.004	196.959	194.586	191.422	185.094	167.692	147.917	110.740	89.383	81.473
65.0	160.573	169.274	164.528	166.110	154.245	121.023	102.830	64.071	22.148	8.701
67.5	127.351	136.052	128.142	136.052	116.277	72.772	47.460	4.746	0.000	0.000
70.0	98.084	101.248	101.248	101.248	35.595	7.119	2.373	1.582	0.000	0.000
72.5	73.563	70.399	72.772	63.280	2.373	0.791	0.000	0.000	0.000	0.000
75.0	49.042	46.669	49.042	34.804	0.000	0.000	0.000	0.000	0.000	0.000
77.5	27.685	27.685	29.267	9.492	0.000	0.000	0.000	0.000	0.000	0.000
80.0	11.074	11.074	9.492	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

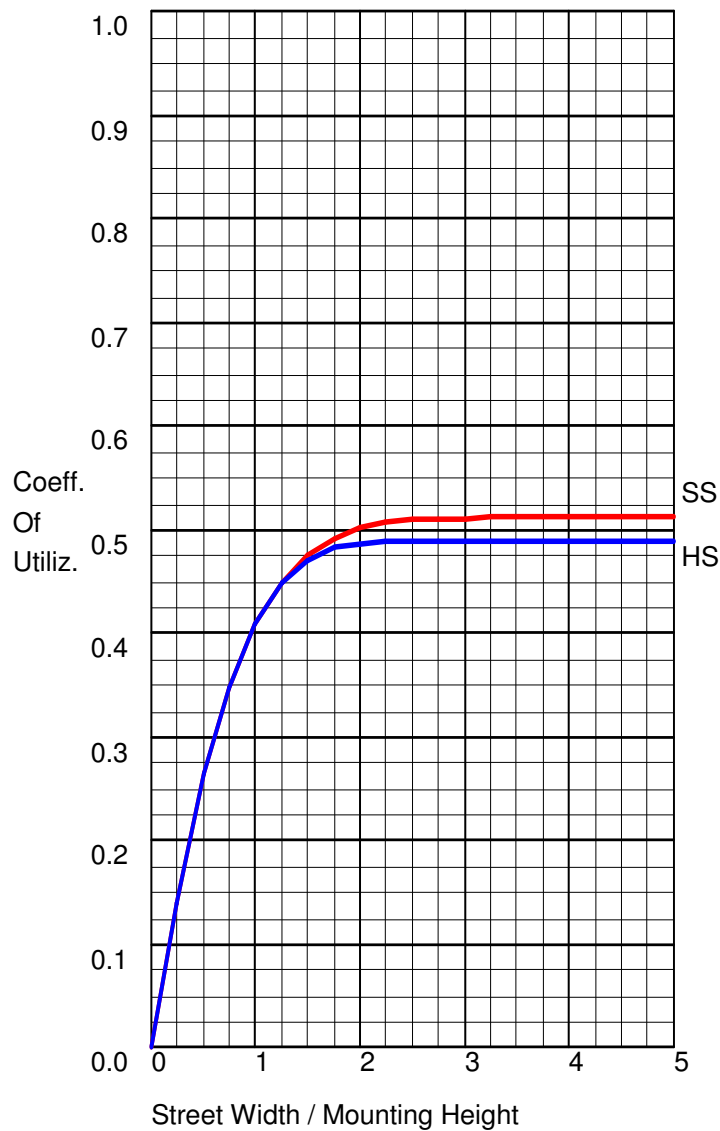
IES ROAD REPORT**PHOTOMETRIC FILENAME : VWMH-L10-840-TL-XXX-SDGL-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

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	514.941
5.0	512.568
10.0	511.777
15.0	503.867
20.0	493.584
25.0	476.182
30.0	457.989
35.0	435.050
40.0	408.947
45.0	369.397
50.0	323.519
55.0	246.792
60.0	143.171
62.5	68.026
65.0	3.164
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

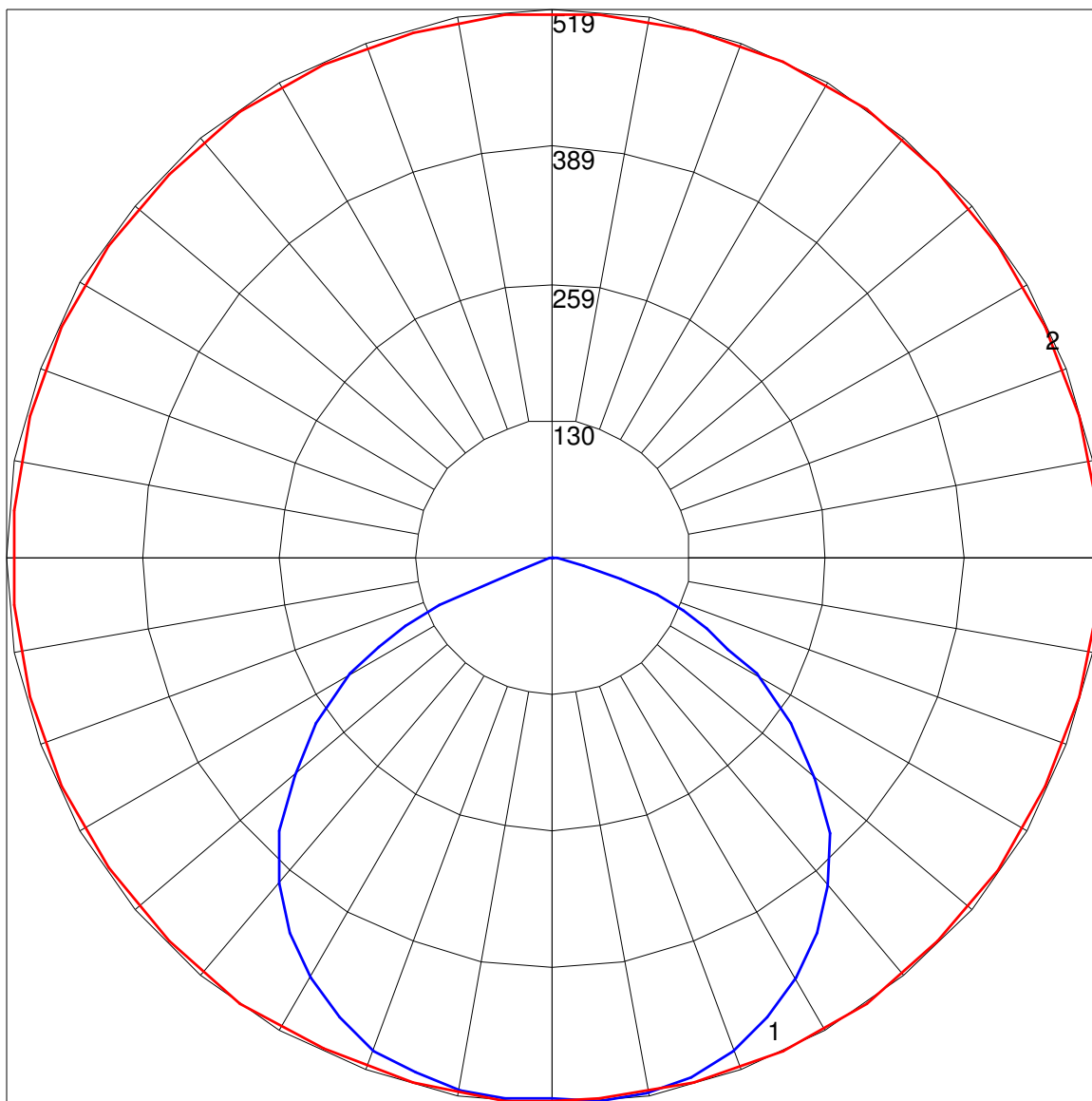
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

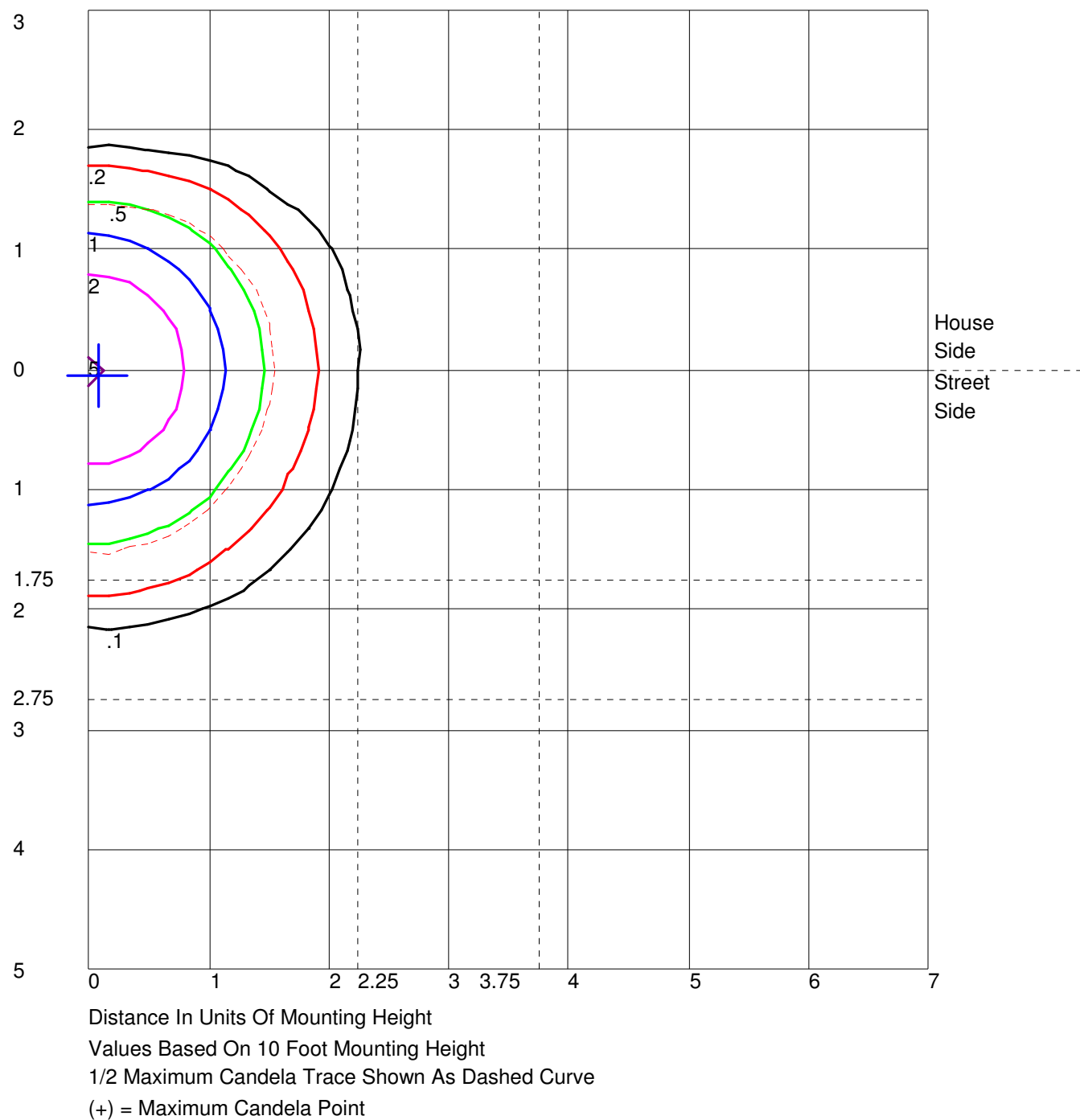
	Lumens	Percent Of Luminaire
Downward Street Side	698.7	51.2
Downward House Side	666.7	48.8
Downward Total	1365.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1365.4	100.0

POLAR GRAPH

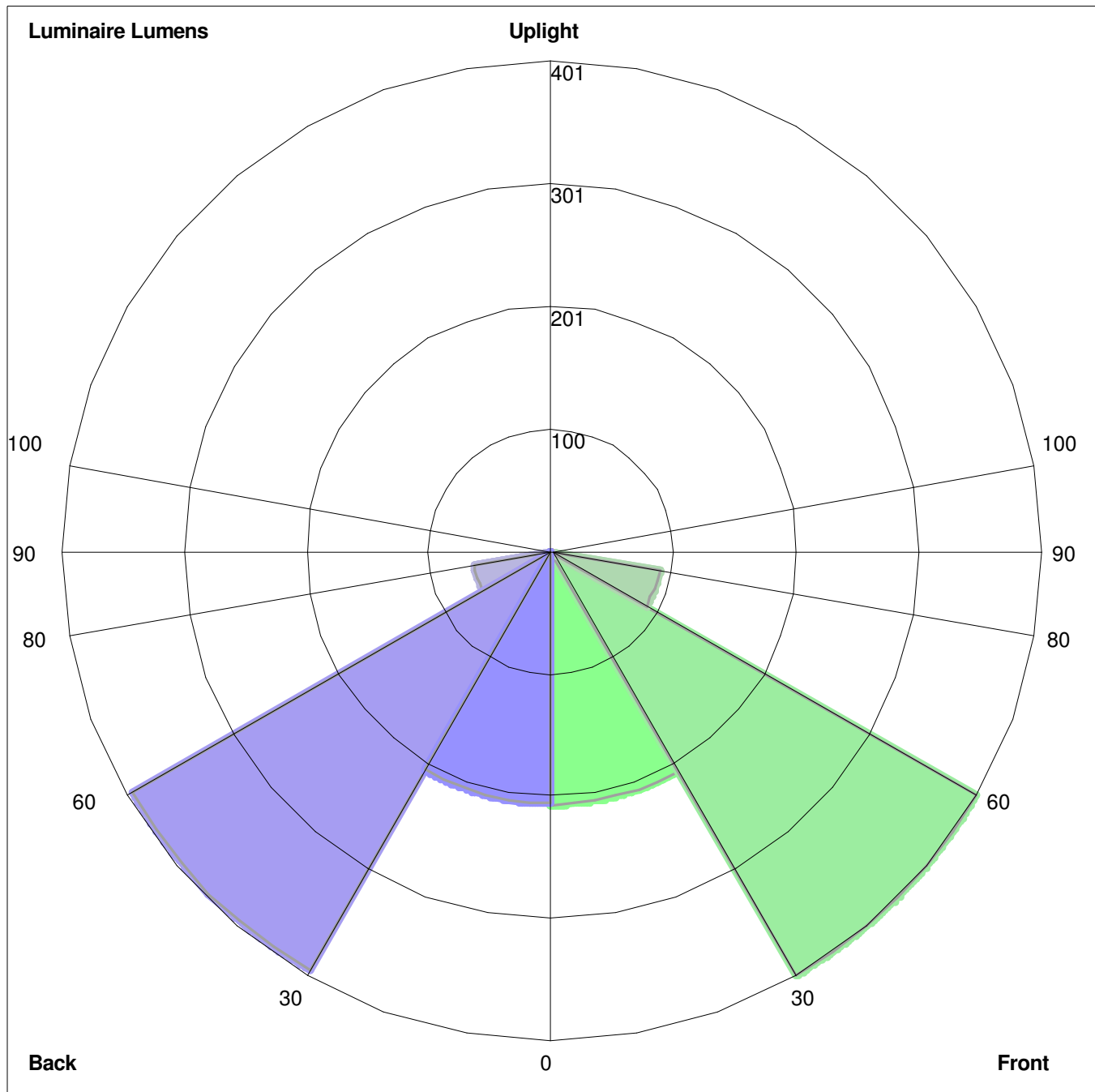


Maximum Candela = 518.896 Located At Horizontal Angle = 55, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=207.6, Medium=401.0, High=89.9, Very High=0.2
Back: Low=206.7, Medium=395.9, High=64.0, Very High=0.2
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G0