



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-850-TFT-XXX-SDGL-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM ATAL009421
[TESTLAB] ATAL-LABS
[ISSUE DATE] 2024-02-01
[TEST DATE] 07/14/15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] VWPx-L30-850-TFT-xxx-SDGL-DIM-UNV
[LUMINAIRE] CAST ALUMINUM LED WALL PACK
[MORE] FORWARD THROW DISTRIBUTION WITH
[MORE] MICRO-PRISMATIC GLASS LENS
[LAMPCAT] X8-LUXEON M
[LAMP] (8) LEDS
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Outdoor
[_SEARCH_MOUNTING] Wall

CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3063
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	842.836
Maximum Candela Angle	52.5H 57.5V
Maximum Candela (<90 Degrees Vertical)	842.836
Maximum Candela Angle (<90 Degrees Vertical)	52.5H 57.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	233.382 (7.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L30-850-TFT-XXX-SDGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	213.2	N.A.	7.0
FM - Front-Medium (30-60)	851.2	N.A.	27.8
FH - Front-High (60-80)	540.7	N.A.	17.7
FVH - Front-Very High (80-90)	41.4	N.A.	1.4
BL - Back-Low (0-30)	206.5	N.A.	6.7
BM - Back-Medium (30-60)	806.7	N.A.	26.3
BH - Back-High (60-80)	394.5	N.A.	12.9
BVH - Back-Very High (80-90)	8.6	N.A.	0.3
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	3062.8	N.A.	100.0
BUG Rating	B1-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>5.0</u>	<u>10.0</u>	<u>15.0</u>	<u>20.0</u>	<u>25.0</u>	<u>30.0</u>	<u>35.0</u>	<u>40.0</u>	<u>45.0</u>
0.0	461.927	461.927	461.927	461.927	461.927	461.927	461.927	461.927	461.927	461.927
2.5	471.601	470.392	467.974	465.555	465.555	465.555	466.764	464.346	464.346	463.137
5.0	464.346	463.137	460.718	458.300	457.090	457.090	457.090	455.881	454.672	455.881
7.5	476.438	474.020	471.601	467.974	464.346	463.137	463.137	460.718	457.090	455.881
10.0	469.183	466.764	463.137	458.300	457.090	459.509	461.927	463.137	463.137	464.346
12.5	476.438	472.810	466.764	464.346	463.137	466.764	466.764	465.555	461.927	463.137
15.0	477.647	475.229	470.392	471.601	474.020	477.647	477.647	477.647	472.810	471.601
17.5	490.949	488.531	482.484	483.694	483.694	486.112	487.321	488.531	486.112	488.531
20.0	503.041	498.204	493.367	494.577	496.995	498.204	504.251	504.251	504.251	505.460
22.5	521.180	517.552	513.924	513.924	509.088	512.715	513.924	519.971	522.389	521.180
25.0	539.318	535.691	534.481	533.272	528.435	530.854	529.644	533.272	535.691	538.109
27.5	568.340	565.922	561.085	556.248	550.201	547.783	545.365	553.829	556.248	551.411
30.0	592.525	590.106	587.688	582.851	579.223	570.758	568.340	571.968	569.549	570.758
32.5	621.546	622.756	621.546	614.291	603.408	597.362	591.315	592.525	588.897	586.478
35.0	657.823	657.823	655.405	648.149	633.639	627.592	621.546	615.500	615.500	610.663
37.5	695.310	690.473	685.636	680.799	667.497	659.033	648.149	648.149	638.476	637.266
40.0	729.168	726.750	719.494	718.285	700.146	694.100	685.636	679.590	669.916	668.706
42.5	752.144	753.353	747.307	752.144	738.842	735.214	724.331	714.657	707.402	698.937
45.0	777.537	781.165	775.119	781.165	773.910	775.119	764.236	753.353	741.260	740.051
47.5	801.722	805.350	804.141	806.559	801.722	802.931	790.839	787.211	775.119	776.328
50.0	807.768	813.814	816.233	815.024	817.442	817.442	816.233	808.978	808.978	800.513
52.5	796.885	804.141	806.559	808.978	823.488	823.488	825.907	821.070	822.279	822.279
55.0	781.165	787.211	789.630	798.094	818.651	818.651	824.698	829.535	833.162	836.790
57.5	750.934	756.980	766.654	783.584	796.885	801.722	819.861	825.907	835.581	836.790
60.0	718.285	723.122	732.796	750.934	763.027	781.165	799.304	813.814	823.488	828.325
62.5	668.706	679.590	688.054	704.983	726.750	744.888	761.817	778.747	799.304	804.141
65.0	615.500	623.965	633.639	652.986	672.334	691.682	709.820	727.959	753.353	763.027
67.5	553.829	556.248	568.340	585.269	599.780	617.919	637.266	659.033	686.845	697.728
70.0	475.229	475.229	486.112	501.832	512.715	530.854	551.411	573.177	597.362	614.291
72.5	386.955	386.955	396.629	412.349	423.232	438.952	464.346	476.438	500.623	516.343
75.0	299.890	299.890	310.773	326.493	337.376	349.469	373.653	388.164	405.093	415.976
77.5	221.290	221.290	230.964	245.475	255.148	266.031	285.379	297.472	308.355	319.238
80.0	152.363	151.154	159.619	170.502	177.757	188.641	204.361	210.407	217.662	226.127
82.5	93.111	91.902	99.157	103.994	112.459	117.296	128.179	131.807	136.643	141.480
85.0	44.742	43.532	48.369	49.579	55.625	56.834	64.089	67.717	67.717	70.136
87.5	12.092	12.092	13.302	13.302	15.720	14.511	18.139	19.348	19.348	20.557
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>50.0</u>	<u>52.5</u>	<u>55.0</u>	<u>60.0</u>	<u>65.0</u>	<u>70.0</u>	<u>75.0</u>	<u>80.0</u>	<u>85.0</u>	<u>90.0</u>
0.0	461.927	461.927	461.927	461.927	461.927	461.927	461.927	461.927	461.927	461.927
2.5	463.137	463.137	464.346	465.555	465.555	464.346	463.137	461.927	461.927	460.718
5.0	457.090	458.300	459.509	461.927	464.346	464.346	464.346	463.137	460.718	458.300
7.5	455.881	455.881	455.881	457.090	460.718	463.137	464.346	464.346	463.137	460.718
10.0	463.137	460.718	459.509	455.881	454.672	457.090	460.718	461.927	460.718	457.090
12.5	466.764	466.764	466.764	461.927	457.090	458.300	459.509	464.346	464.346	461.927
15.0	471.601	472.810	474.020	478.857	475.229	472.810	469.183	472.810	471.601	466.764
17.5	489.740	487.321	486.112	484.903	484.903	480.066	476.438	477.647	477.647	474.020
20.0	504.251	503.041	500.623	494.577	490.949	490.949	486.112	486.112	489.740	487.321
22.5	517.552	513.924	513.924	512.715	507.878	507.878	501.832	499.414	503.041	501.832
25.0	534.481	533.272	530.854	530.854	524.808	522.389	519.971	516.343	519.971	521.180
27.5	552.620	551.411	548.992	544.155	542.946	540.528	539.318	541.737	542.946	542.946

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CANDELA TABULATION - (Cont.)

30.0	569.549	567.131	563.503	563.503	561.085	563.503	563.503	569.549	570.758	570.758
32.5	582.851	581.642	581.642	586.478	588.897	584.060	587.688	592.525	592.525	594.943
35.0	609.454	608.245	605.826	610.663	609.454	614.291	619.128	622.756	622.756	631.220
37.5	634.848	634.848	634.848	638.476	638.476	648.149	652.986	651.777	655.405	659.033
40.0	666.288	667.497	668.706	671.125	671.125	680.799	686.845	688.054	694.100	695.310
42.5	704.983	706.193	704.983	707.402	708.611	720.703	721.913	724.331	724.331	725.540
45.0	738.842	740.051	738.842	740.051	746.097	754.562	754.562	752.144	752.144	750.934
47.5	772.701	771.491	770.282	773.910	775.119	778.747	776.328	775.119	770.282	771.491
50.0	801.722	800.513	800.513	801.722	800.513	804.141	799.304	790.839	784.793	786.002
52.5	821.070	822.279	822.279	817.442	816.233	813.814	805.350	799.304	789.630	787.211
55.0	834.371	837.999	836.790	829.535	822.279	816.233	802.931	796.885	784.793	781.165
57.5	840.418	842.836	840.418	828.325	818.651	808.978	793.258	778.747	767.864	761.817
60.0	833.162	833.162	831.953	813.814	805.350	792.048	771.491	756.980	736.424	732.796
62.5	813.814	812.605	808.978	798.094	778.747	766.654	743.679	724.331	704.983	700.146
65.0	772.701	772.701	770.282	763.027	738.842	725.540	706.193	683.217	665.079	654.196
67.5	706.193	708.611	709.820	698.937	683.217	666.288	646.940	625.174	611.872	598.571
70.0	622.756	625.174	626.383	617.919	604.617	594.943	573.177	553.829	539.318	524.808
72.5	527.226	528.435	528.435	522.389	511.506	503.041	486.112	466.764	451.044	437.743
75.0	423.232	423.232	428.069	420.813	415.976	402.675	393.001	367.607	351.887	339.795
77.5	321.656	327.702	327.702	319.238	314.401	304.727	293.844	272.078	258.776	253.939
80.0	227.336	233.382	227.336	224.918	221.290	211.616	204.361	188.641	178.967	176.548
82.5	142.690	147.527	143.899	141.480	142.690	133.016	129.388	118.505	113.668	112.459
85.0	71.345	74.973	76.182	71.345	73.763	67.717	67.717	61.671	59.252	59.252
87.5	20.557	22.975	24.185	21.766	24.185	21.766	22.975	20.557	21.766	21.766
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>95.0</u>	<u>100.0</u>	<u>105.0</u>	<u>110.0</u>	<u>115.0</u>	<u>120.0</u>	<u>125.0</u>	<u>130.0</u>	<u>135.0</u>	<u>140.0</u>
0.0	461.927	461.927	461.927	461.927	461.927	461.927	461.927	461.927	461.927	461.927
2.5	459.509	458.300	458.300	458.300	458.300	458.300	458.300	458.300	457.090	457.090
5.0	457.090	454.672	454.672	454.672	454.672	457.090	460.718	461.927	464.346	465.555
7.5	459.509	457.090	457.090	458.300	460.718	464.346	466.764	464.346	461.927	460.718
10.0	454.672	454.672	458.300	461.927	464.346	463.137	461.927	458.300	455.881	455.881
12.5	458.300	460.718	463.137	463.137	459.509	457.090	457.090	455.881	460.718	463.137
15.0	463.137	466.764	469.183	466.764	464.346	461.927	464.346	465.555	465.555	463.137
17.5	467.974	469.183	471.601	469.183	469.183	474.020	477.647	477.647	476.438	475.229
20.0	484.903	481.275	481.275	480.066	483.694	482.484	484.903	486.112	489.740	488.531
22.5	501.832	499.414	494.577	493.367	494.577	494.577	498.204	498.204	498.204	496.995
25.0	521.180	517.552	511.506	509.088	511.506	511.506	513.924	511.506	511.506	507.878
27.5	539.318	535.691	533.272	532.063	527.226	529.644	526.017	524.808	526.017	522.389
30.0	567.131	563.503	562.294	553.829	545.365	545.365	542.946	540.528	539.318	533.272
32.5	593.734	591.315	588.897	581.642	571.968	564.712	562.294	558.666	557.457	548.992
35.0	630.011	623.965	619.128	610.663	599.780	588.897	581.642	576.805	573.177	564.712
37.5	659.033	655.405	649.359	643.312	626.383	614.291	605.826	597.362	591.315	584.060
40.0	695.310	694.100	686.845	673.543	659.033	648.149	636.057	622.756	611.872	608.245
42.5	729.168	727.959	720.703	714.657	697.728	682.008	665.079	656.614	643.312	639.685
45.0	754.562	753.353	752.144	743.679	727.959	717.076	701.356	690.473	673.543	673.543
47.5	771.491	771.491	776.328	770.282	755.771	744.888	734.005	723.122	715.867	708.611
50.0	790.839	788.421	790.839	792.048	787.211	772.701	767.864	763.027	748.516	744.888
52.5	796.885	796.885	805.350	812.605	807.768	800.513	793.258	790.839	782.374	773.910
55.0	789.630	799.304	812.605	817.442	819.861	818.651	812.605	808.978	799.304	790.839
57.5	775.119	787.211	802.931	812.605	816.233	821.070	816.233	812.605	806.559	790.839
60.0	748.516	759.399	779.956	795.676	799.304	807.768	807.768	800.513	790.839	776.328
62.5	709.820	726.750	746.097	760.608	776.328	777.537	784.793	777.537	766.654	753.353
65.0	663.869	682.008	700.146	713.448	727.959	735.214	741.260	735.214	720.703	707.402

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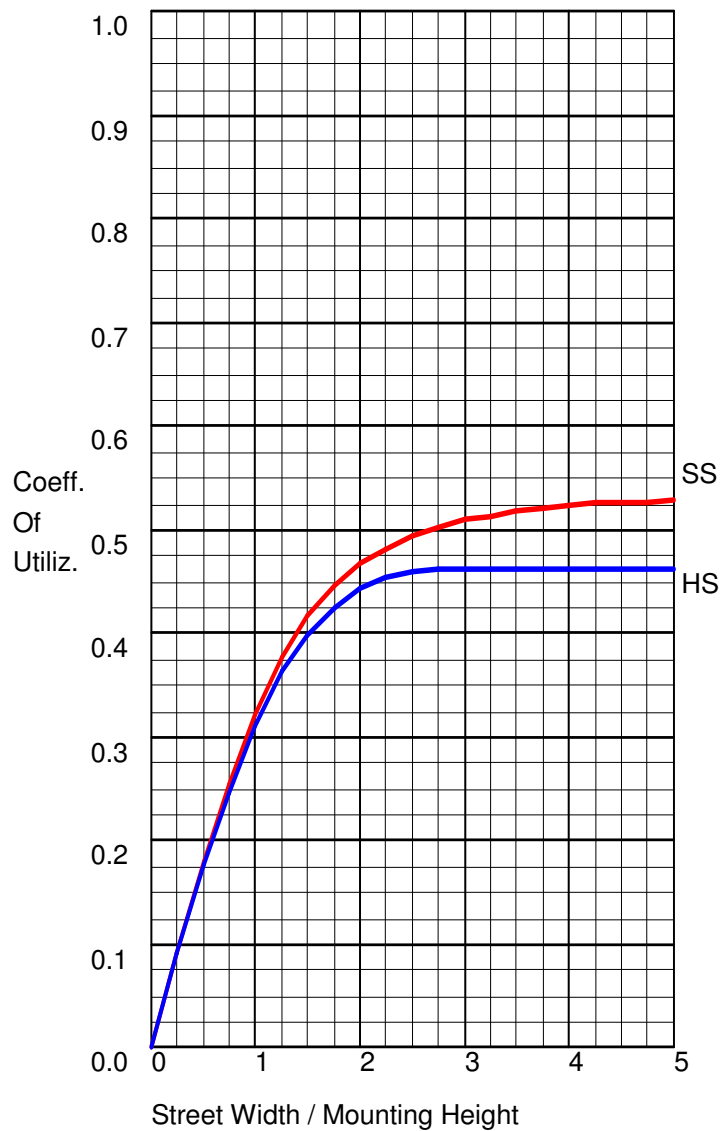
CANDELA TABULATION - (Cont.)

67.5	607.035	622.756	638.476	650.568	665.079	667.497	669.916	663.869	649.359	628.802
70.0	533.272	544.155	563.503	573.177	587.688	579.223	582.851	576.805	553.829	504.251
72.5	446.207	458.300	471.601	477.647	488.531	475.229	472.810	471.601	408.721	210.407
75.0	345.841	359.142	371.235	379.699	376.072	301.099	279.333	263.613	66.508	6.046
77.5	255.148	264.822	275.705	274.496	207.988	129.388	79.809	7.255	2.418	1.209
80.0	178.967	185.013	191.059	137.853	26.603	7.255	2.418	1.209	1.209	0.000
82.5	113.668	117.296	117.296	51.997	3.628	1.209	1.209	1.209	0.000	0.000
85.0	60.462	60.462	47.160	7.255	1.209	0.000	0.000	0.000	0.000	0.000
87.5	21.766	19.348	3.628	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. Horizontal Angles

	<u>145.0</u>	<u>150.0</u>	<u>155.0</u>	<u>160.0</u>	<u>165.0</u>	<u>170.0</u>	<u>175.0</u>	<u>180.0</u>
0.0	461.927	461.927	461.927	461.927	461.927	461.927	461.927	461.927
2.5	457.090	459.509	460.718	463.137	461.927	460.718	459.509	458.300
5.0	466.764	467.974	469.183	470.392	469.183	466.764	463.137	463.137
7.5	459.509	459.509	461.927	461.927	459.509	455.881	453.463	451.044
10.0	455.881	457.090	460.718	463.137	463.137	459.509	455.881	453.463
12.5	464.346	463.137	461.927	461.927	463.137	459.509	454.672	452.254
15.0	465.555	466.764	466.764	466.764	465.555	463.137	459.509	457.090
17.5	476.438	475.229	472.810	470.392	466.764	466.764	465.555	463.137
20.0	486.112	482.484	476.438	477.647	474.020	474.020	470.392	469.183
22.5	495.786	489.740	487.321	488.531	486.112	486.112	482.484	482.484
25.0	507.878	504.251	499.414	495.786	498.204	500.623	495.786	496.995
27.5	519.971	515.134	515.134	512.715	512.715	512.715	506.669	509.088
30.0	534.481	530.854	526.017	523.598	530.854	536.900	530.854	536.900
32.5	544.155	547.783	542.946	544.155	544.155	550.201	552.620	561.085
35.0	561.085	562.294	559.875	567.131	570.758	579.223	584.060	586.478
37.5	580.432	580.432	586.478	591.315	592.525	603.408	610.663	611.872
40.0	605.826	603.408	615.500	622.756	627.592	636.057	645.731	644.522
42.5	634.848	632.429	643.312	651.777	660.242	673.543	682.008	682.008
45.0	669.916	667.497	675.962	689.263	691.682	700.146	711.030	714.657
47.5	707.402	702.565	711.030	720.703	724.331	729.168	740.051	742.470
50.0	743.679	737.633	741.260	749.725	753.353	756.980	760.608	761.817
52.5	770.282	763.027	759.399	761.817	763.027	761.817	760.608	760.608
55.0	776.328	764.236	755.771	753.353	750.934	747.307	741.260	740.051
57.5	766.654	756.980	742.470	732.796	725.540	718.285	711.030	711.030
60.0	752.144	735.214	720.703	708.611	692.891	682.008	667.497	671.125
62.5	727.959	706.193	685.636	667.497	644.522	627.592	609.454	609.454
65.0	680.799	650.568	617.919	585.269	535.691	503.041	458.300	457.090
67.5	592.525	530.854	438.952	331.330	204.361	145.108	72.554	72.554
70.0	383.327	214.034	50.788	10.883	6.046	4.837	4.837	4.837
72.5	30.231	7.255	3.628	3.628	2.418	2.418	2.418	2.418
75.0	3.628	2.418	1.209	1.209	1.209	1.209	1.209	1.209
77.5	1.209	1.209	1.209	0.000	0.000	0.000	0.000	0.000
80.0	0.000	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
85.0	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
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

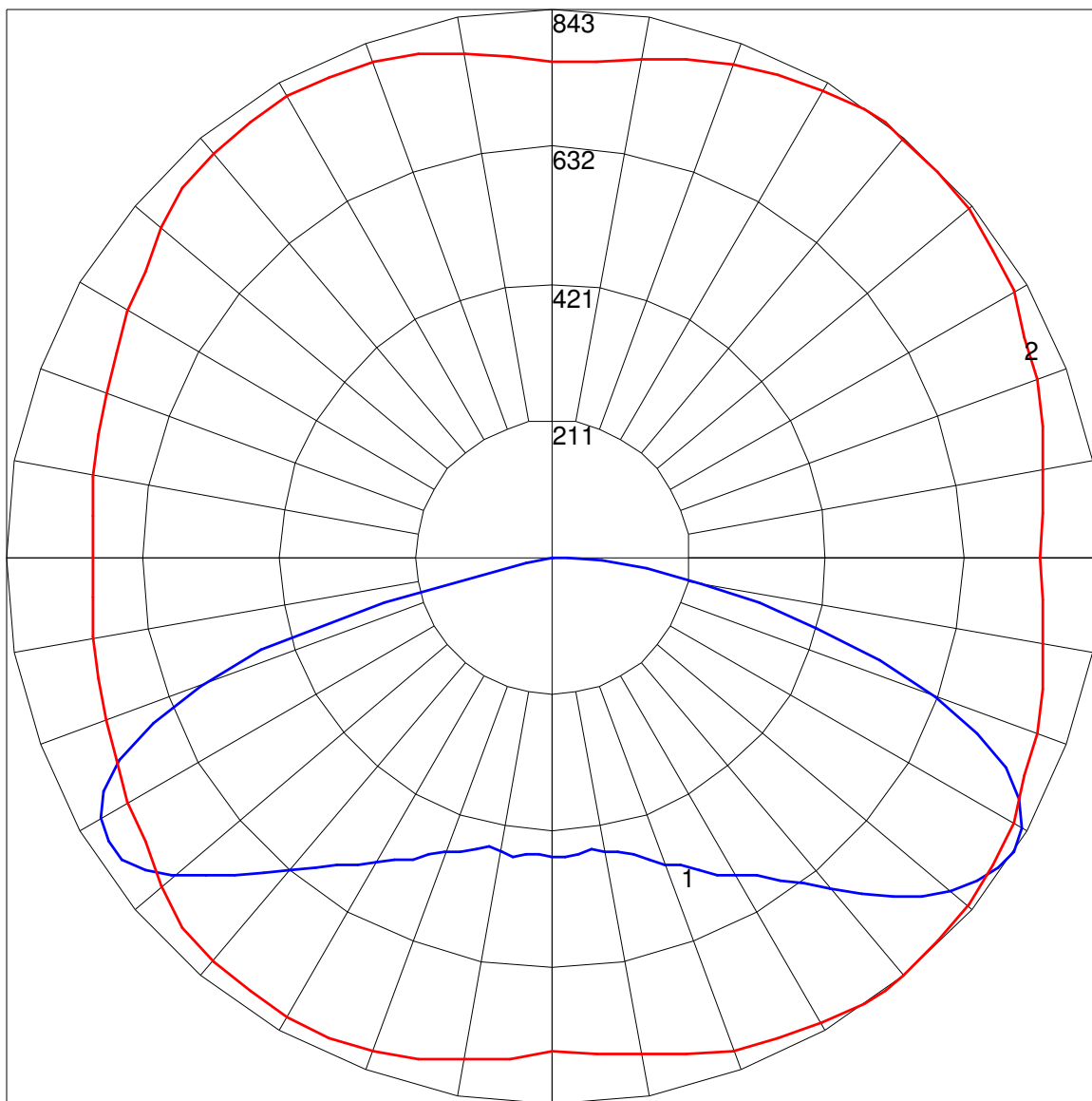
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

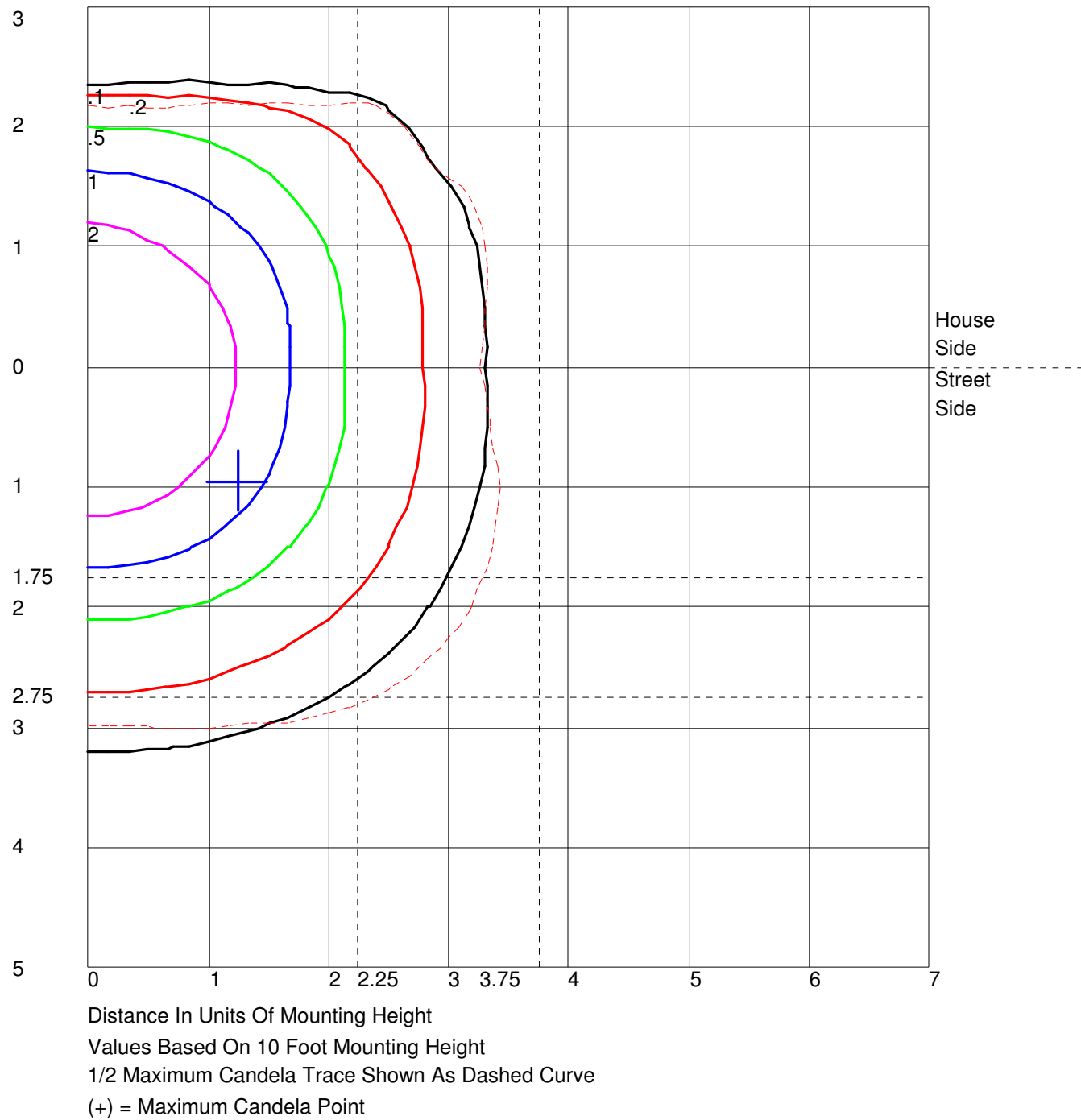
	Lumens	Percent Of Luminaire
Downward Street Side	1646.5	53.8
Downward House Side	1416.3	46.2
Downward Total	3062.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3062.8	100.0

POLAR GRAPH

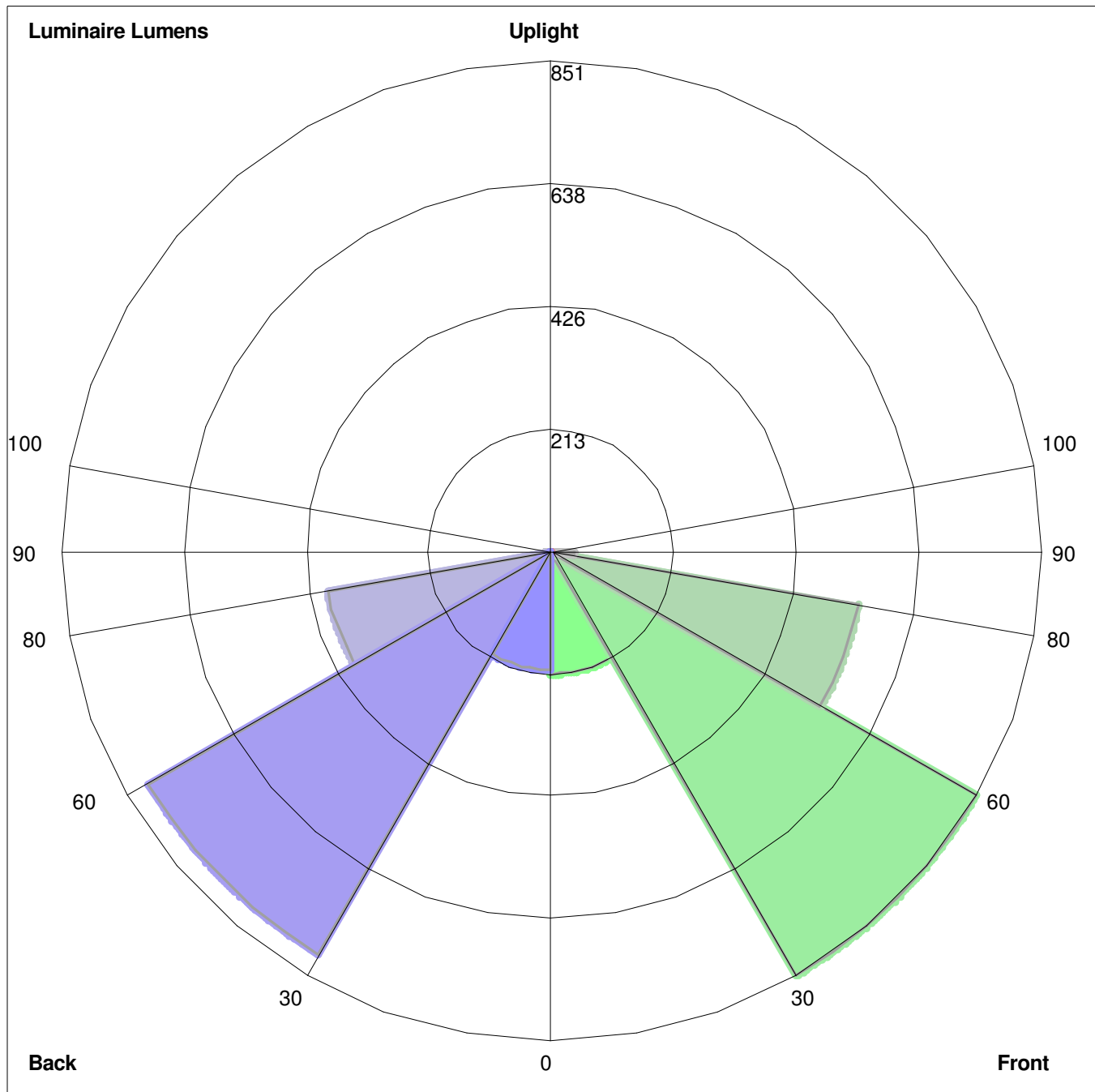


Maximum Candela = 842.836 Located At Horizontal Angle = 52.5, Vertical Angle = 57.5
1 - Vertical Plane Through Horizontal Angles (52.5 - 232.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=213.2, Medium=851.2, High=540.7, Very High=41.4
Back: Low=206.5, Medium=806.7, High=394.5, Very High=8.6
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1