



## IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-840-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-L30-840-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	2965
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	815.937
Maximum Candela Angle	52.5H 57.5V
Maximum Candela (<90 Degrees Vertical)	815.937
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	225.934 (7.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWPX-L30-840-TFT-XXX-SDGL-DIM-UNV\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	206.4	N.A.	7.0
FM - Front-Medium (30-60)	824.1	N.A.	27.8
FH - Front-High (60-80)	523.5	N.A.	17.7
FVH - Front-Very High (80-90)	40.1	N.A.	1.4
BL - Back-Low (0-30)	199.9	N.A.	6.7
BM - Back-Medium (30-60)	781.0	N.A.	26.3
BH - Back-High (60-80)	381.9	N.A.	12.9
BVH - Back-Very High (80-90)	8.3	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	2965.2	N.A.	100.0
BUG Rating	B1-U0-G1		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u><b>0.0</b></u>	<u><b>5.0</b></u>	<u><b>10.0</b></u>	<u><b>15.0</b></u>	<u><b>20.0</b></u>	<u><b>25.0</b></u>	<u><b>30.0</b></u>	<u><b>35.0</b></u>	<u><b>40.0</b></u>	<u><b>45.0</b></u>
<b>0.0</b>	447.185	447.185	447.185	447.185	447.185	447.185	447.185	447.185	447.185	447.185
<b>2.5</b>	456.550	455.380	453.038	450.697	450.697	450.697	451.868	449.527	449.527	448.356
<b>5.0</b>	449.527	448.356	446.015	443.673	442.503	442.503	442.503	441.332	440.161	441.332
<b>7.5</b>	461.233	458.892	456.550	453.038	449.527	448.356	448.356	446.015	442.503	441.332
<b>10.0</b>	454.209	451.868	448.356	443.673	442.503	444.844	447.185	448.356	448.356	449.527
<b>12.5</b>	461.233	457.721	451.868	449.527	448.356	451.868	451.868	450.697	447.185	448.356
<b>15.0</b>	462.404	460.062	455.380	456.550	458.892	462.404	462.404	462.404	457.721	456.550
<b>17.5</b>	475.281	472.939	467.086	468.257	468.257	470.598	471.769	472.939	470.598	472.939
<b>20.0</b>	486.987	482.305	477.622	478.793	481.134	482.305	488.158	488.158	488.158	489.328
<b>22.5</b>	504.547	501.035	497.523	497.523	492.840	496.352	497.523	503.376	505.717	504.547
<b>25.0</b>	522.106	518.594	517.424	516.253	511.571	513.912	512.741	516.253	518.594	520.936
<b>27.5</b>	550.202	547.860	543.178	538.495	532.642	530.301	527.960	536.154	538.495	533.813
<b>30.0</b>	573.615	571.273	568.932	564.249	560.738	552.543	550.202	553.714	551.372	552.543
<b>32.5</b>	601.710	602.881	601.710	594.686	584.150	578.297	572.444	573.615	570.103	567.761
<b>35.0</b>	636.829	636.829	634.488	627.464	613.416	607.563	601.710	595.857	595.857	591.174
<b>37.5</b>	673.119	668.437	663.754	659.071	646.194	638.000	627.464	627.464	618.099	616.928
<b>40.0</b>	705.897	703.556	696.532	695.361	677.802	671.949	663.754	657.901	648.536	647.365
<b>42.5</b>	728.139	729.310	723.457	728.139	715.262	711.750	701.215	691.849	684.826	676.631
<b>45.0</b>	752.723	756.235	750.382	756.235	749.211	750.382	739.846	729.310	717.604	716.433
<b>47.5</b>	776.136	779.648	778.477	780.818	776.136	777.306	765.600	762.088	750.382	751.552
<b>50.0</b>	781.989	787.842	790.183	789.013	791.354	791.354	790.183	783.160	783.160	774.965
<b>52.5</b>	771.453	778.477	780.818	783.160	797.207	797.207	799.548	794.866	796.037	796.037
<b>55.0</b>	756.235	762.088	764.429	772.624	792.525	792.525	798.378	803.060	806.572	810.084
<b>57.5</b>	726.969	732.822	742.187	758.576	771.453	776.136	793.695	799.548	808.914	810.084
<b>60.0</b>	695.361	700.044	709.409	726.969	738.675	756.235	773.794	787.842	797.207	801.890
<b>62.5</b>	647.365	657.901	666.095	682.484	703.556	721.115	737.504	753.893	773.794	778.477
<b>65.0</b>	595.857	604.051	613.416	632.147	650.877	669.607	687.167	704.726	729.310	738.675
<b>67.5</b>	536.154	538.495	550.202	566.591	580.638	598.198	616.928	638.000	664.925	675.460
<b>70.0</b>	460.062	460.062	470.598	485.816	496.352	513.912	533.813	554.884	578.297	594.686
<b>72.5</b>	374.605	374.605	383.971	399.189	409.725	424.943	449.527	461.233	484.646	499.864
<b>75.0</b>	290.319	290.319	300.855	316.073	326.609	338.316	361.728	375.776	392.165	402.701
<b>77.5</b>	214.227	214.227	223.593	237.640	247.005	257.541	276.272	287.978	298.514	309.049
<b>80.0</b>	147.501	146.330	154.525	165.061	172.084	182.620	197.839	203.692	210.716	218.910
<b>82.5</b>	90.139	88.969	95.993	100.675	108.870	113.552	124.088	127.600	132.283	136.965
<b>85.0</b>	43.314	42.143	46.826	47.996	53.850	55.020	62.044	65.556	65.556	67.897
<b>87.5</b>	11.706	11.706	12.877	12.877	15.218	14.048	17.560	18.730	18.730	19.901
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u><b>50.0</b></u>	<u><b>52.5</b></u>	<u><b>55.0</b></u>	<u><b>60.0</b></u>	<u><b>65.0</b></u>	<u><b>70.0</b></u>	<u><b>75.0</b></u>	<u><b>80.0</b></u>	<u><b>85.0</b></u>	<u><b>90.0</b></u>
<b>0.0</b>	447.185	447.185	447.185	447.185	447.185	447.185	447.185	447.185	447.185	447.185
<b>2.5</b>	448.356	448.356	449.527	450.697	450.697	449.527	448.356	447.185	447.185	446.015
<b>5.0</b>	442.503	443.673	444.844	447.185	449.527	449.527	449.527	448.356	446.015	443.673
<b>7.5</b>	441.332	441.332	441.332	442.503	446.015	448.356	449.527	449.527	448.356	446.015
<b>10.0</b>	448.356	446.015	444.844	441.332	440.161	442.503	446.015	447.185	446.015	442.503
<b>12.5</b>	451.868	451.868	451.868	447.185	442.503	443.673	444.844	449.527	449.527	447.185
<b>15.0</b>	456.550	457.721	458.892	463.574	460.062	457.721	454.209	457.721	456.550	451.868
<b>17.5</b>	474.110	471.769	470.598	469.427	469.427	464.745	461.233	462.404	462.404	458.892
<b>20.0</b>	488.158	486.987	484.646	478.793	475.281	475.281	470.598	470.598	474.110	471.769
<b>22.5</b>	501.035	497.523	497.523	496.352	491.670	491.670	485.816	483.475	486.987	485.816
<b>25.0</b>	517.424	516.253	513.912	513.912	508.059	505.717	503.376	499.864	503.376	504.547
<b>27.5</b>	534.983	533.813	531.471	526.789	525.618	523.277	522.106	524.448	525.618	525.618

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## CANDELA TABULATION - (Cont.)

30.0	551.372	549.031	545.519	545.519	543.178	545.519	545.519	551.372	552.543	552.543
32.5	564.249	563.079	563.079	567.761	570.103	565.420	568.932	573.615	573.615	575.956
35.0	590.004	588.833	586.492	591.174	590.004	594.686	599.369	602.881	602.881	611.075
37.5	614.587	614.587	614.587	618.099	618.099	627.464	632.147	630.976	634.488	638.000
40.0	645.024	646.194	647.365	649.706	649.706	659.071	664.925	666.095	671.949	673.119
42.5	682.484	683.655	682.484	684.826	685.996	697.703	698.873	701.215	701.215	702.385
45.0	715.262	716.433	715.262	716.433	722.286	730.481	730.481	728.139	728.139	726.969
47.5	748.040	746.870	745.699	749.211	750.382	753.893	751.552	750.382	745.699	746.870
50.0	776.136	774.965	774.965	776.136	774.965	778.477	773.794	765.600	759.747	760.917
52.5	794.866	796.037	796.037	791.354	790.183	787.842	779.648	773.794	764.429	762.088
55.0	807.743	811.255	810.084	803.060	796.037	790.183	777.306	771.453	759.747	756.235
57.5	813.596	815.937	813.596	801.890	792.525	783.160	767.941	753.893	743.358	737.504
60.0	806.572	806.572	805.402	787.842	779.648	766.771	746.870	732.822	712.921	709.409
62.5	787.842	786.671	783.160	772.624	753.893	742.187	719.945	701.215	682.484	677.802
65.0	748.040	748.040	745.699	738.675	715.262	702.385	683.655	661.413	643.853	633.317
67.5	683.655	685.996	687.167	676.631	661.413	645.024	626.293	605.222	592.345	579.468
70.0	602.881	605.222	606.393	598.198	585.321	575.956	554.884	536.154	522.106	508.059
72.5	510.400	511.571	511.571	505.717	495.182	486.987	470.598	451.868	436.649	423.772
75.0	409.725	409.725	414.407	407.383	402.701	389.824	380.459	355.875	340.657	328.950
77.5	311.391	317.244	317.244	309.049	304.367	295.002	284.466	263.394	250.517	245.835
80.0	220.081	225.934	220.081	217.739	214.227	204.862	197.839	182.620	173.255	170.914
82.5	138.136	142.818	139.306	136.965	138.136	128.771	125.259	114.723	110.040	108.870
85.0	69.068	72.580	73.750	69.068	71.409	65.556	65.556	59.703	57.361	57.361
87.5	19.901	22.242	23.413	21.072	23.413	21.072	22.242	19.901	21.072	21.072
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	447.185	447.185	447.185	447.185	447.185	447.185	447.185	447.185	447.185	447.185
2.5	444.844	443.673	443.673	443.673	443.673	443.673	443.673	443.673	442.503	442.503
5.0	442.503	440.161	440.161	440.161	440.161	442.503	446.015	447.185	449.527	450.697
7.5	444.844	442.503	442.503	443.673	446.015	449.527	451.868	449.527	447.185	446.015
10.0	440.161	440.161	443.673	447.185	449.527	448.356	447.185	443.673	441.332	441.332
12.5	443.673	446.015	448.356	448.356	444.844	442.503	442.503	441.332	446.015	448.356
15.0	448.356	451.868	454.209	451.868	449.527	447.185	449.527	450.697	450.697	448.356
17.5	453.038	454.209	456.550	454.209	454.209	458.892	462.404	462.404	461.233	460.062
20.0	469.427	465.916	465.916	464.745	468.257	467.086	469.427	470.598	474.110	472.939
22.5	485.816	483.475	478.793	477.622	478.793	478.793	482.305	482.305	482.305	481.134
25.0	504.547	501.035	495.182	492.840	495.182	495.182	497.523	495.182	495.182	491.670
27.5	522.106	518.594	516.253	515.082	510.400	512.741	509.229	508.059	509.229	505.717
30.0	549.031	545.519	544.349	536.154	527.960	527.960	525.618	523.277	522.106	516.253
32.5	574.785	572.444	570.103	563.079	553.714	546.690	544.349	540.837	539.666	531.471
35.0	609.904	604.051	599.369	591.174	580.638	570.103	563.079	558.396	554.884	546.690
37.5	638.000	634.488	628.635	622.782	606.393	594.686	586.492	578.297	572.444	565.420
40.0	673.119	671.949	664.925	652.048	638.000	627.464	615.758	602.881	592.345	588.833
42.5	705.897	704.726	697.703	691.849	675.460	660.242	643.853	635.659	622.782	619.270
45.0	730.481	729.310	728.139	719.945	704.726	694.191	678.972	668.437	652.048	652.048
47.5	746.870	746.870	751.552	745.699	731.651	721.115	710.580	700.044	693.020	685.996
50.0	765.600	763.259	765.600	766.771	762.088	748.040	743.358	738.675	724.627	721.115
52.5	771.453	771.453	779.648	786.671	781.989	774.965	767.941	765.600	757.405	749.211
55.0	764.429	773.794	786.671	791.354	793.695	792.525	786.671	783.160	773.794	765.600
57.5	750.382	762.088	777.306	786.671	790.183	794.866	790.183	786.671	780.818	765.600
60.0	724.627	735.163	755.064	770.282	773.794	781.989	781.989	774.965	765.600	751.552
62.5	687.167	703.556	722.286	736.334	751.552	752.723	759.747	752.723	742.187	729.310
65.0	642.682	660.242	677.802	690.679	704.726	711.750	717.604	711.750	697.703	684.826

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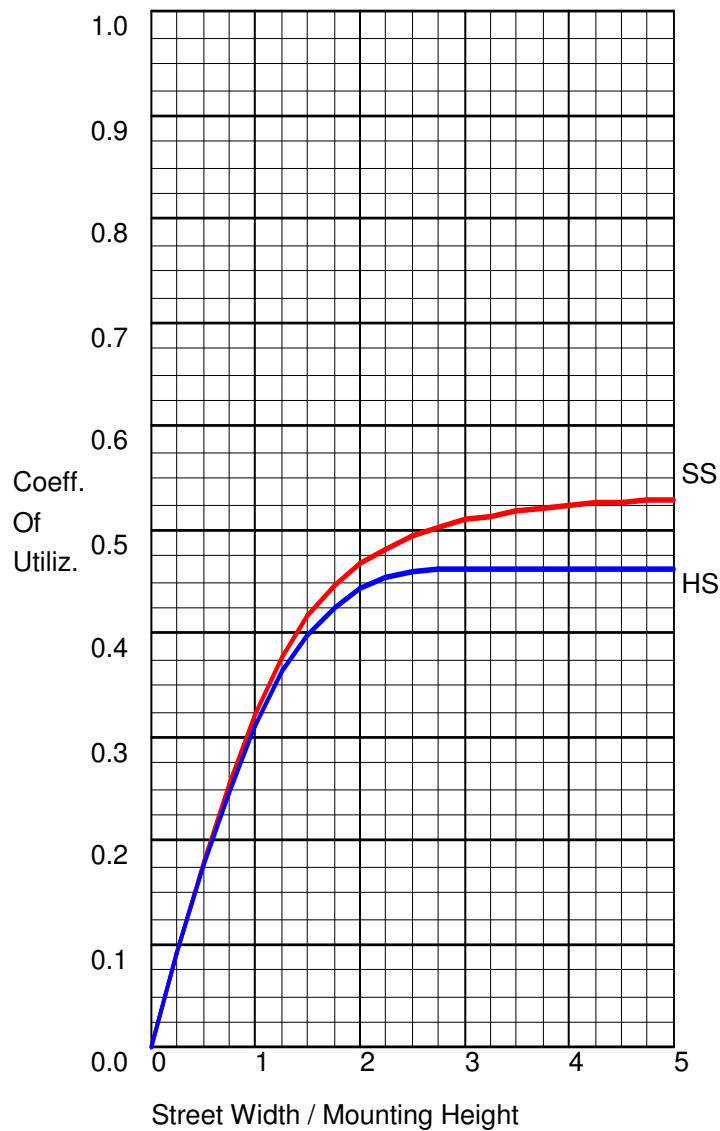
**CANDELA TABULATION - (Cont.)**

67.5	587.662	602.881	618.099	629.805	643.853	646.194	648.536	642.682	628.635	608.734
70.0	516.253	526.789	545.519	554.884	568.932	560.738	564.249	558.396	536.154	488.158
72.5	431.967	443.673	456.550	462.404	472.939	460.062	457.721	456.550	395.677	203.692
75.0	334.804	347.681	359.387	367.582	364.070	291.490	270.418	255.200	64.385	5.853
77.5	247.005	256.371	266.906	265.736	201.350	125.259	77.262	7.024	2.341	1.171
80.0	173.255	179.108	184.961	133.453	25.754	7.024	2.341	1.171	1.171	0.000
82.5	110.040	113.552	113.552	50.338	3.512	1.171	1.171	1.171	0.000	0.000
85.0	58.532	58.532	45.655	7.024	1.171	0.000	0.000	0.000	0.000	0.000
87.5	21.072	18.730	3.512	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>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	447.185	447.185	447.185	447.185	447.185	447.185	447.185	447.185
2.5	442.503	444.844	446.015	448.356	447.185	446.015	444.844	443.673
5.0	451.868	453.038	454.209	455.380	454.209	451.868	448.356	448.356
7.5	444.844	444.844	447.185	447.185	444.844	441.332	438.991	436.649
10.0	441.332	442.503	446.015	448.356	448.356	444.844	441.332	438.991
12.5	449.527	448.356	447.185	447.185	448.356	444.844	440.161	437.820
15.0	450.697	451.868	451.868	451.868	450.697	448.356	444.844	442.503
17.5	461.233	460.062	457.721	455.380	451.868	451.868	450.697	448.356
20.0	470.598	467.086	461.233	462.404	458.892	458.892	455.380	454.209
22.5	479.963	474.110	471.769	472.939	470.598	470.598	467.086	467.086
25.0	491.670	488.158	483.475	479.963	482.305	484.646	479.963	481.134
27.5	503.376	498.693	498.693	496.352	496.352	496.352	490.499	492.840
30.0	517.424	513.912	509.229	506.888	513.912	519.765	513.912	519.765
32.5	526.789	530.301	525.618	526.789	526.789	532.642	534.983	543.178
35.0	543.178	544.349	542.007	549.031	552.543	560.738	565.420	567.761
37.5	561.908	561.908	567.761	572.444	573.615	584.150	591.174	592.345
40.0	586.492	584.150	595.857	602.881	607.563	615.758	625.123	623.952
42.5	614.587	612.246	622.782	630.976	639.171	652.048	660.242	660.242
45.0	648.536	646.194	654.389	667.266	669.607	677.802	688.338	691.849
47.5	684.826	680.143	688.338	697.703	701.215	705.897	716.433	718.774
50.0	719.945	714.092	717.604	725.798	729.310	732.822	736.334	737.504
52.5	745.699	738.675	735.163	737.504	738.675	737.504	736.334	736.334
55.0	751.552	739.846	731.651	729.310	726.969	723.457	717.604	716.433
57.5	742.187	732.822	718.774	709.409	702.385	695.361	688.338	688.338
60.0	728.139	711.750	697.703	685.996	670.778	660.242	646.194	649.706
62.5	704.726	683.655	663.754	646.194	623.952	607.563	590.004	590.004
65.0	659.071	629.805	598.198	566.591	518.594	486.987	443.673	442.503
67.5	573.615	513.912	424.943	320.756	197.839	140.477	70.239	70.239
70.0	371.094	207.204	49.167	10.536	5.853	4.683	4.683	4.683
72.5	29.266	7.024	3.512	3.512	2.341	2.341	2.341	2.341
75.0	3.512	2.341	1.171	1.171	1.171	1.171	1.171	1.171
77.5	1.171	1.171	1.171	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

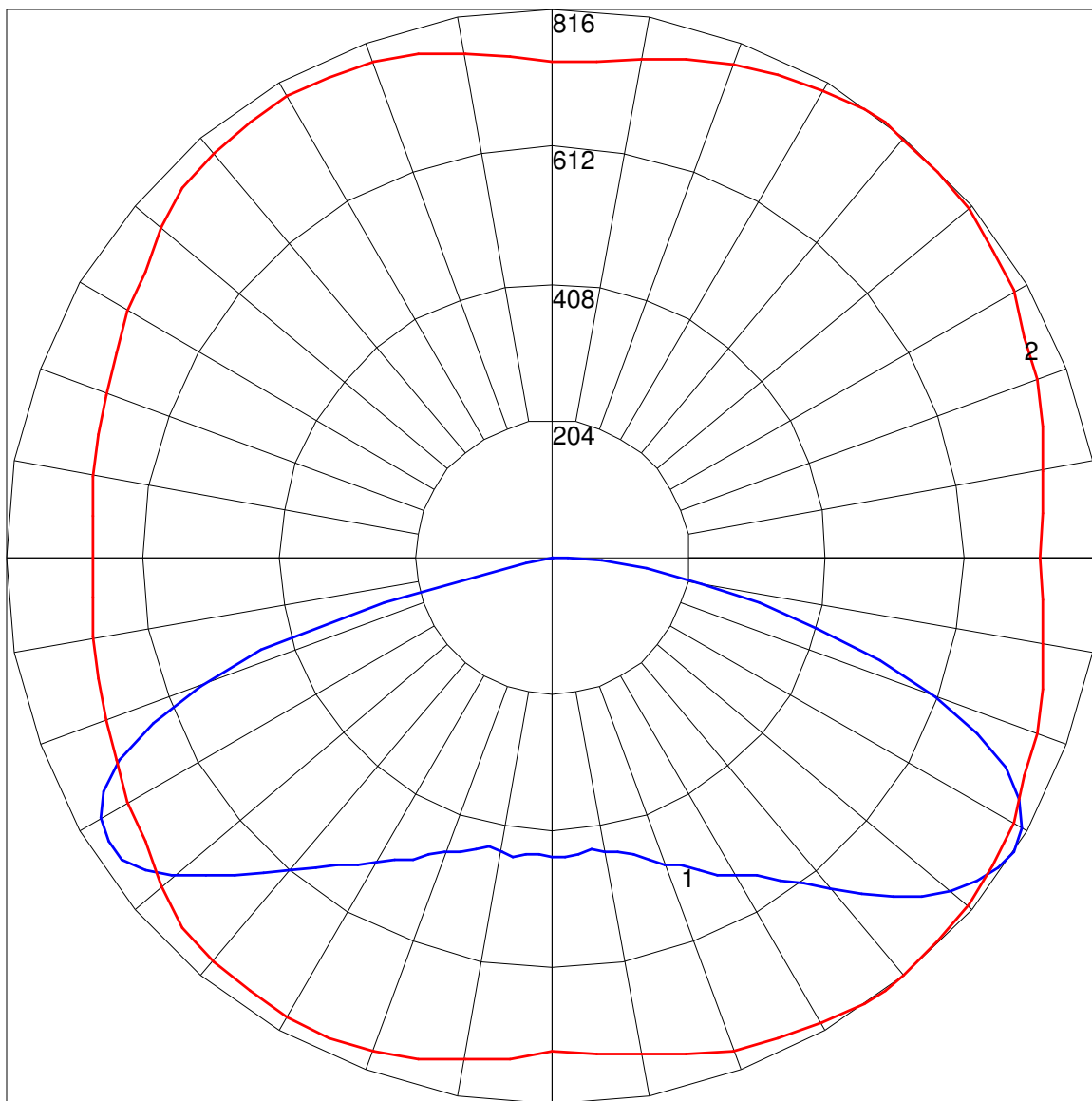
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

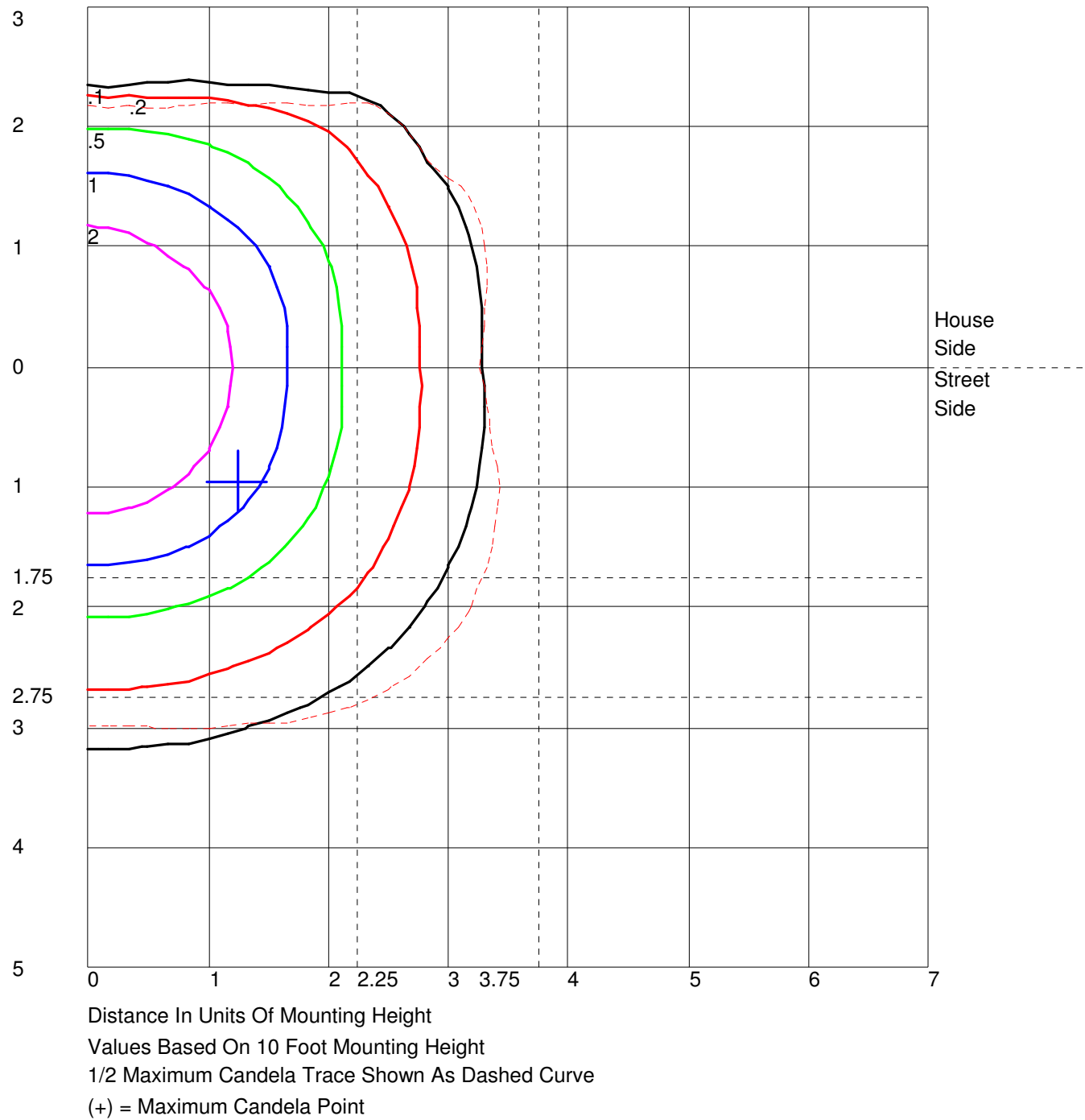
	Lumens	Percent Of Luminaire
Downward Street Side	1593.9	53.8
Downward House Side	1371.1	46.2
Downward Total	2965.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	2965.0	100.0

POLAR GRAPH



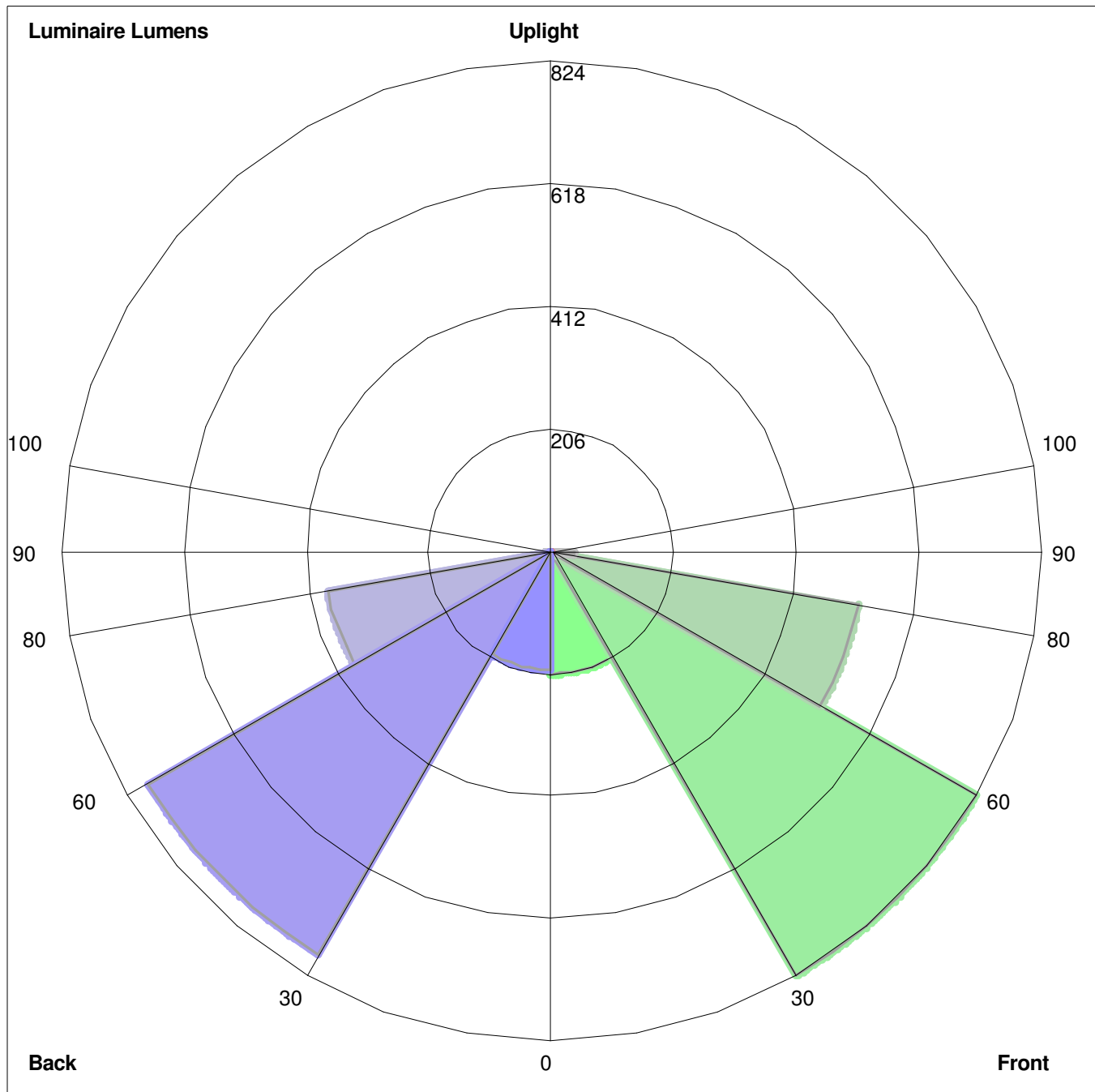
Maximum Candela = 815.937 Located At Horizontal Angle = 52.5, Vertical Angle = 57.5  
# 1 - Vertical Plane Through Horizontal Angles (52.5 - 232.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=206.4, Medium=824.1, High=523.5, Very High=40.1  
Back: Low=199.9, Medium=781.0, High=381.9, Very High=8.3  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1