



## IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-740-TFT-XXX-CGL-DIM-UNV\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM ATAL009828  
[TESTLAB] ATAL-LABS  
[ISSUE DATE] 2024-02-01  
[TEST DATE] 07/14/15  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] VWPx-L30-740-TFT-xxx-CGL-DIM-UNV  
[LUMINAIRE] CAST ALUMINUM LED WALL PACK  
[MORE] FORWARD THROW DISTRIBUTION WITH  
[MORE] CLEAR 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	3325
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1161.014
Maximum Candela Angle	45H 65V
Maximum Candela (<90 Degrees Vertical)	1161.014
Maximum Candela Angle (<90 Degrees Vertical)	45H 65V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	206.673 (6.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWPX-L30-740-TFT-XXX-CGL-DIM-UNV\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	195.7	N.A.	5.9
FM - Front-Medium (30-60)	847.0	N.A.	25.5
FH - Front-High (60-80)	763.0	N.A.	22.9
FVH - Front-Very High (80-90)	17.3	N.A.	0.5
BL - Back-Low (0-30)	189.7	N.A.	5.7
BM - Back-Medium (30-60)	783.2	N.A.	23.6
BH - Back-High (60-80)	526.5	N.A.	15.8
BVH - Back-Very High (80-90)	2.6	N.A.	0.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	3325.0	N.A.	100.0
BUG Rating	B2-U0-G2		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0.0	420.640	420.640	420.640	420.640	420.640	420.640	420.640	420.640	420.640	420.640
2.5	425.503	424.287	423.679	422.463	421.248	420.640	420.640	421.248	420.032	419.424
5.0	424.895	423.071	421.856	421.248	420.640	420.640	420.032	420.640	419.424	419.424
7.5	424.895	423.071	421.248	421.248	420.640	420.640	420.032	419.424	418.208	417.600
10.0	426.718	424.287	422.463	423.071	421.856	421.856	421.248	420.640	418.816	417.600
12.5	432.189	429.150	427.934	428.542	427.326	426.718	426.111	424.287	421.856	420.032
15.0	440.091	435.836	435.228	437.660	437.660	436.444	435.836	434.013	430.973	427.934
17.5	450.425	445.562	442.523	445.562	446.170	446.778	447.994	446.778	443.131	440.091
20.0	467.445	463.190	458.327	458.935	457.719	459.543	460.759	461.366	458.327	455.288
22.5	489.328	485.073	478.994	477.779	474.739	475.955	476.563	477.171	475.347	472.916
25.0	513.035	509.995	502.093	499.662	495.407	496.015	494.799	496.015	493.583	492.367
27.5	537.349	532.486	524.584	522.153	516.682	517.290	513.643	513.643	513.035	514.858
30.0	566.526	562.879	552.546	547.683	541.604	539.173	533.094	533.702	532.486	533.094
32.5	599.351	593.272	585.370	578.684	570.781	564.095	556.193	554.977	551.330	549.506
35.0	634.607	629.744	621.234	613.940	602.998	594.488	584.154	578.684	573.213	567.134
37.5	667.431	663.784	655.274	649.196	637.038	626.705	614.547	602.390	595.096	588.409
40.0	699.040	696.609	687.491	682.020	670.471	658.921	645.548	632.175	622.450	613.332
42.5	731.865	728.825	720.315	713.629	702.687	689.922	677.157	665.000	654.058	646.156
45.0	761.650	759.218	753.140	746.453	735.512	722.139	709.982	697.824	689.922	684.451
47.5	789.611	787.180	784.141	779.886	769.552	754.355	743.414	731.257	726.394	725.786
50.0	805.416	806.024	807.239	809.671	804.808	789.611	781.709	771.983	767.728	769.552
52.5	809.063	812.710	822.436	833.377	837.025	826.691	824.259	818.789	814.534	816.965
55.0	815.749	820.004	837.025	857.084	869.849	867.418	869.241	872.281	869.241	869.849
57.5	847.358	855.260	870.457	896.595	914.831	920.302	925.772	937.322	938.537	934.890
60.0	884.438	894.164	911.791	944.008	968.323	983.519	994.461	1019.991	1032.756	1028.501
62.5	889.301	900.242	922.125	954.342	975.009	1000.539	1027.893	1086.248	1118.464	1120.896
65.0	858.300	871.065	895.987	928.812	956.165	987.166	1024.854	1108.738	1153.720	1161.014
67.5	840.064	855.260	894.771	924.557	936.714	944.616	977.440	1075.306	1130.621	1131.837
70.0	811.494	830.338	880.791	917.870	935.498	924.557	932.459	971.362	1014.520	1013.304
72.5	685.667	701.472	787.788	846.750	875.320	853.437	880.791	841.887	787.180	754.355
75.0	292.989	303.323	368.364	444.954	513.035	571.997	649.803	686.883	598.743	569.566
77.5	105.768	108.199	121.572	136.769	172.633	246.184	355.599	419.424	413.953	429.758
80.0	43.158	44.374	50.452	58.963	74.767	97.258	142.239	184.182	195.123	206.673
82.5	17.628	18.236	21.275	23.707	31.609	41.942	60.178	75.983	80.238	89.356
85.0	6.686	6.686	7.294	8.510	10.941	14.589	21.883	27.962	28.569	33.432
87.5	1.824	1.824	1.824	1.824	1.824	1.824	2.431	2.431	3.647	4.863
90.0	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>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0.0	420.640	420.640	420.640	420.640	420.640	420.640	420.640	420.640	420.640	420.640
2.5	418.816	418.208	419.424	420.032	418.816	417.600	417.600	417.600	417.600	417.600
5.0	417.600	416.993	418.208	418.208	416.993	415.169	413.953	413.953	413.345	413.953
7.5	416.993	415.169	416.385	415.777	414.561	412.130	410.306	410.306	409.698	409.698
10.0	416.993	413.953	415.169	415.777	415.777	413.345	410.914	410.306	409.698	409.090
12.5	419.424	417.600	418.816	418.816	419.424	416.993	414.561	413.345	412.130	411.522
15.0	427.934	426.718	427.326	426.718	426.111	424.287	420.640	417.600	416.385	415.777
17.5	438.876	438.268	437.660	436.444	434.013	430.366	427.934	425.503	424.895	424.287
20.0	453.464	452.856	452.249	448.601	445.562	441.307	439.483	438.876	438.876	438.268
22.5	471.092	467.445	466.229	463.190	460.151	457.719	457.111	456.504	456.504	455.896
25.0	491.152	485.073	483.857	481.426	478.994	479.602	479.602	478.994	478.994	476.563
27.5	511.211	503.917	500.877	499.054	498.446	500.877	500.877	501.485	502.701	499.054

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## CANDELA TABULATION - (Cont.)

30.0	533.094	524.584	518.505	519.113	519.721	523.976	523.976	525.192	528.231	524.584
32.5	551.938	547.683	538.565	539.781	541.604	547.075	550.114	553.153	556.801	551.938
35.0	569.566	570.174	562.271	564.095	568.350	575.036	579.292	584.762	589.625	584.154
37.5	588.409	592.664	590.841	593.880	599.959	608.469	613.940	620.018	621.234	619.410
40.0	612.724	620.018	622.450	628.528	633.999	641.901	650.411	656.490	656.490	655.274
42.5	642.509	650.411	654.058	662.568	669.255	675.334	683.236	688.099	686.275	686.883
45.0	678.373	683.844	688.706	696.609	703.295	708.766	713.021	713.021	710.589	711.805
47.5	719.707	720.315	721.531	730.649	736.728	745.238	747.061	743.414	739.767	742.806
50.0	765.905	762.866	759.826	765.905	771.983	781.101	779.278	771.376	766.513	770.768
52.5	815.749	810.279	803.592	807.847	810.279	812.710	801.161	787.180	782.925	789.004
55.0	869.849	867.418	855.260	851.613	846.750	838.848	812.102	787.180	779.886	787.180
57.5	939.145	935.498	914.831	905.105	888.693	871.065	831.554	803.592	797.514	799.945
60.0	1031.540	1026.069	992.029	969.538	944.616	914.831	868.025	840.672	835.201	835.809
62.5	1115.425	1095.973	1036.403	990.813	959.205	918.478	869.849	841.887	835.201	836.417
65.0	1150.073	1116.033	1039.442	981.695	950.087	910.576	869.849	843.711	838.848	836.417
67.5	1131.837	1091.110	1003.578	962.244	954.950	926.380	887.477	844.319	834.593	833.985
70.0	1037.011	1001.147	959.205	960.420	979.264	959.205	903.889	833.985	816.965	820.004
72.5	785.356	864.378	926.988	909.968	929.419	895.987	812.102	713.629	692.354	709.374
75.0	611.508	717.276	704.511	637.646	539.173	476.563	374.442	303.323	305.146	302.715
77.5	423.071	429.150	378.697	283.263	180.535	159.260	133.729	115.494	117.925	115.494
80.0	201.202	191.476	151.357	113.670	83.277	74.767	61.394	53.492	52.884	50.452
82.5	83.885	82.669	68.080	52.276	40.119	32.824	27.354	23.707	24.314	24.314
85.0	32.217	33.432	27.962	21.883	16.412	13.981	11.549	10.941	10.334	10.334
87.5	6.079	7.902	6.079	5.471	4.863	4.255	3.647	3.039	3.039	3.039
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>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0.0	420.640	420.640	420.640	420.640	420.640	420.640	420.640	420.640	420.640	420.640
2.5	417.600	416.993	416.993	416.385	416.993	418.816	417.600	417.600	418.816	420.640
5.0	413.345	412.738	413.345	414.561	414.561	416.385	415.777	415.777	416.993	418.208
7.5	409.090	409.090	410.914	412.130	412.738	413.953	413.953	413.345	414.561	416.385
10.0	409.090	409.698	411.522	412.738	412.130	412.738	412.738	412.738	413.953	415.169
12.5	412.130	413.345	415.777	416.385	415.777	413.953	413.953	413.953	415.777	417.600
15.0	416.993	419.424	421.248	423.071	422.463	421.856	421.248	421.248	421.856	424.287
17.5	424.287	424.895	427.934	430.973	430.973	432.189	431.581	430.973	430.973	432.797
20.0	437.052	436.444	437.660	441.915	442.523	443.739	443.739	444.346	443.131	443.131
22.5	454.072	453.464	453.464	456.504	457.719	457.719	457.719	458.327	457.111	455.896
25.0	477.171	475.955	472.916	474.739	474.739	474.132	475.955	475.347	474.132	471.700
27.5	500.877	497.838	494.191	494.191	491.760	491.152	496.622	494.799	491.760	486.897
30.0	524.584	520.329	515.466	512.427	509.995	510.603	514.250	510.603	506.348	500.877
32.5	550.114	543.428	538.565	533.702	529.447	531.270	529.447	524.584	519.721	516.074
35.0	581.115	573.213	565.311	559.232	551.330	548.291	544.643	536.133	532.486	529.447
37.5	616.979	608.469	600.567	588.409	575.644	569.566	561.056	553.153	547.683	545.251
40.0	652.235	643.725	635.823	621.842	603.606	591.449	581.115	573.821	567.742	566.526
42.5	683.844	674.726	668.647	652.235	635.215	618.195	605.430	598.135	592.664	592.664
45.0	713.629	708.158	699.040	682.020	665.000	647.372	633.391	627.313	623.058	620.626
47.5	746.453	744.022	731.865	713.629	696.001	676.549	666.823	658.313	654.058	649.196
50.0	777.454	778.670	766.513	748.277	730.041	709.982	704.511	694.785	686.883	680.804
52.5	802.376	808.455	802.376	782.317	769.552	752.532	744.630	731.257	725.178	717.884
55.0	807.847	826.691	832.770	822.436	814.534	799.945	789.611	774.415	769.552	764.081
57.5	820.004	841.887	863.770	866.202	861.947	854.653	844.927	826.083	820.612	817.573
60.0	851.613	872.281	905.105	920.909	920.909	928.204	923.949	903.889	895.987	889.908
62.5	850.398	874.104	909.360	940.969	968.323	1001.147	1009.049	992.637	987.166	971.970
65.0	843.103	860.731	898.419	937.322	966.499	1029.717	1063.757	1063.149	1040.050	1012.089

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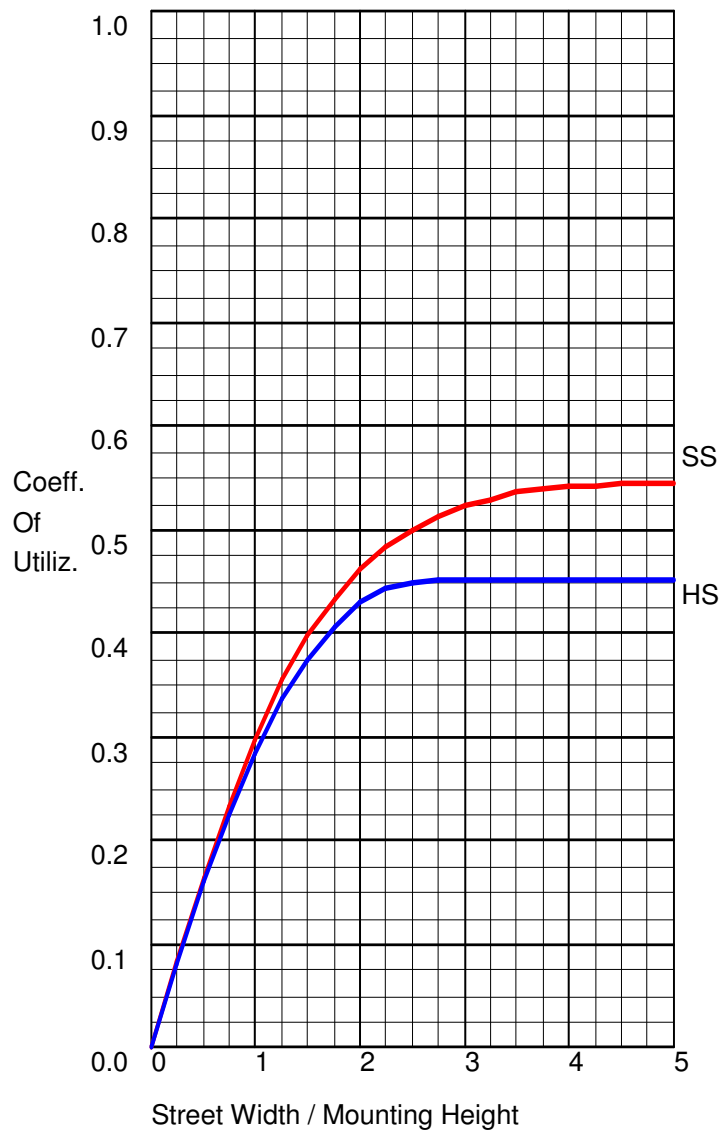
## CANDELA TABULATION - (Cont.)

67.5	851.613	877.751	897.203	909.968	934.890	1025.461	1071.659	1004.186	933.067	897.203
70.0	851.005	897.203	914.831	907.536	902.066	952.518	838.240	768.944	833.985	504.525
72.5	780.494	864.378	909.968	884.438	900.242	657.098	580.507	407.875	75.983	13.981
75.0	377.482	475.347	579.292	605.430	551.938	457.719	105.160	10.334	2.431	1.824
77.5	134.945	155.612	189.045	226.124	262.596	7.294	2.431	1.824	1.216	1.216
80.0	60.178	68.080	64.433	52.276	20.059	1.216	1.216	0.608	0.608	0.608
82.5	26.138	26.138	17.020	7.294	1.216	0.608	0.608	0.608	0.608	0.608
85.0	10.941	6.079	3.039	0.608	0.608	0.608	0.608	0.000	0.000	0.000
87.5	2.431	0.608	0.608	0.608	0.608	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>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0.0	420.640	420.640	420.640	420.640	420.640	420.640	420.640
2.5	420.032	420.640	421.856	421.856	423.071	421.856	420.032
5.0	417.600	417.600	418.816	418.816	419.424	418.816	416.385
7.5	415.169	415.169	415.777	415.169	415.777	415.169	412.738
10.0	414.561	414.561	414.561	415.169	416.385	415.169	413.953
12.5	417.600	418.816	417.600	418.816	420.032	418.816	417.600
15.0	424.895	424.895	423.679	424.287	423.679	421.856	421.248
17.5	432.189	431.581	428.542	427.934	427.326	427.326	426.718
20.0	441.915	440.699	436.444	436.444	437.052	437.660	438.268
22.5	454.072	452.249	447.386	447.994	449.817	451.641	454.072
25.0	468.661	464.406	461.366	461.974	464.406	467.445	469.269
27.5	480.818	477.171	474.739	475.955	478.387	482.034	484.465
30.0	494.191	491.760	491.760	492.975	496.015	500.877	503.917
32.5	510.603	508.172	508.172	510.603	514.858	520.937	524.584
35.0	527.623	523.976	527.623	531.270	537.349	544.036	548.898
37.5	544.643	546.467	552.546	558.016	564.095	572.605	579.292
40.0	567.134	572.605	578.076	585.370	593.880	603.606	610.292
42.5	593.880	599.959	606.645	613.332	621.842	632.783	640.078
45.0	621.842	627.313	633.999	640.685	649.196	660.745	666.823
47.5	649.803	652.843	661.353	667.431	675.941	687.491	691.746
50.0	680.804	682.628	690.530	696.609	704.511	714.845	717.276
52.5	717.276	717.276	722.139	727.002	729.433	736.120	736.728
55.0	759.826	756.179	756.787	757.395	752.532	751.316	748.885
57.5	810.279	804.808	799.945	790.219	771.376	760.434	755.571
60.0	881.398	869.241	852.221	826.691	795.082	785.356	781.709
62.5	941.577	905.713	872.888	838.848	807.847	798.121	792.651
65.0	952.518	906.321	865.594	818.789	749.493	657.706	657.098
67.5	888.693	696.001	458.327	252.870	127.043	73.551	54.707
70.0	173.240	86.924	10.334	3.647	2.431	2.431	2.431
72.5	3.647	2.431	1.824	1.824	1.824	1.824	1.216
75.0	1.824	1.216	1.216	1.216	0.608	0.608	0.608
77.5	0.608	0.608	0.608	0.608	0.608	0.000	0.000
80.0	0.608	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
85.0	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
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

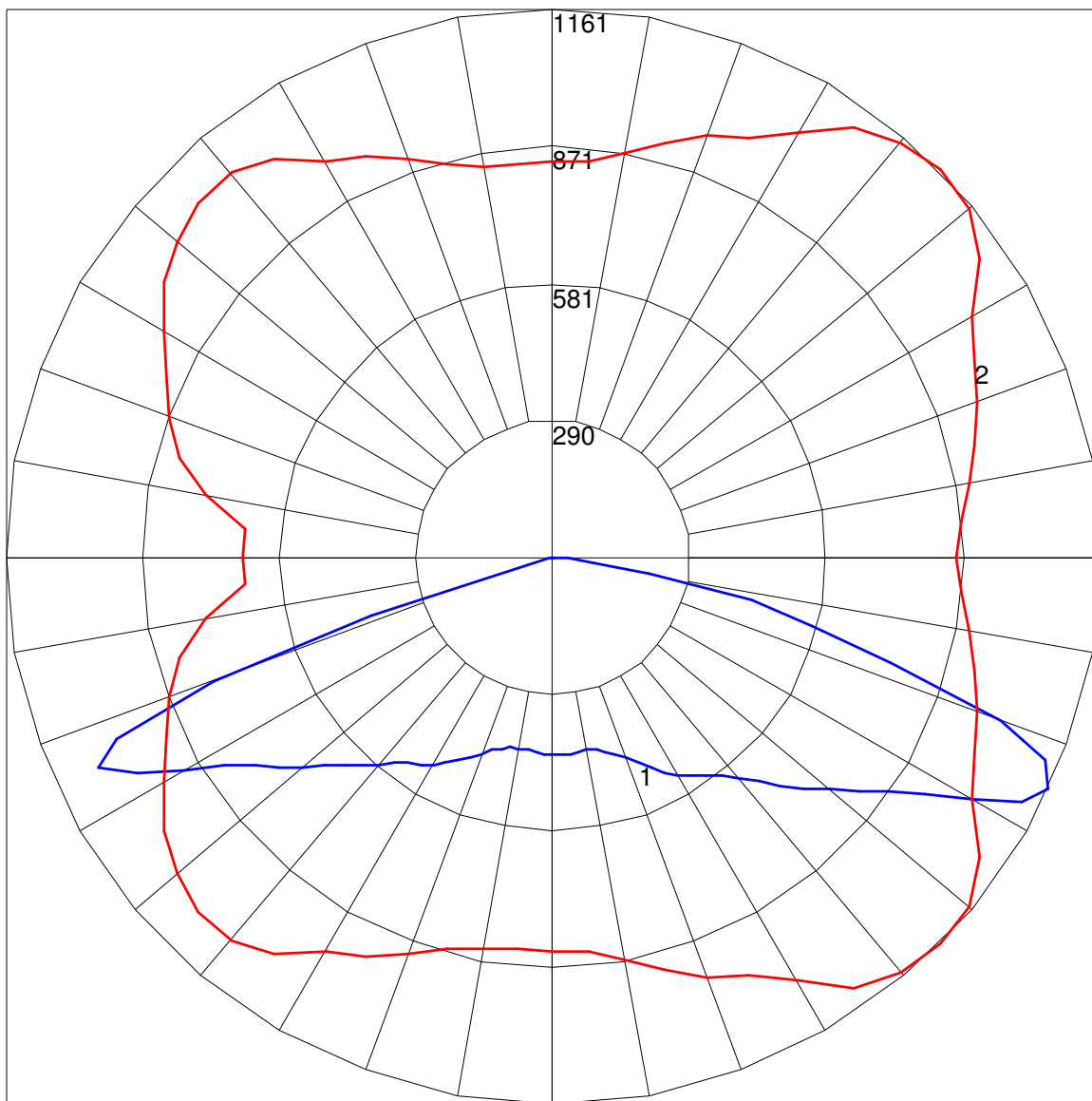
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

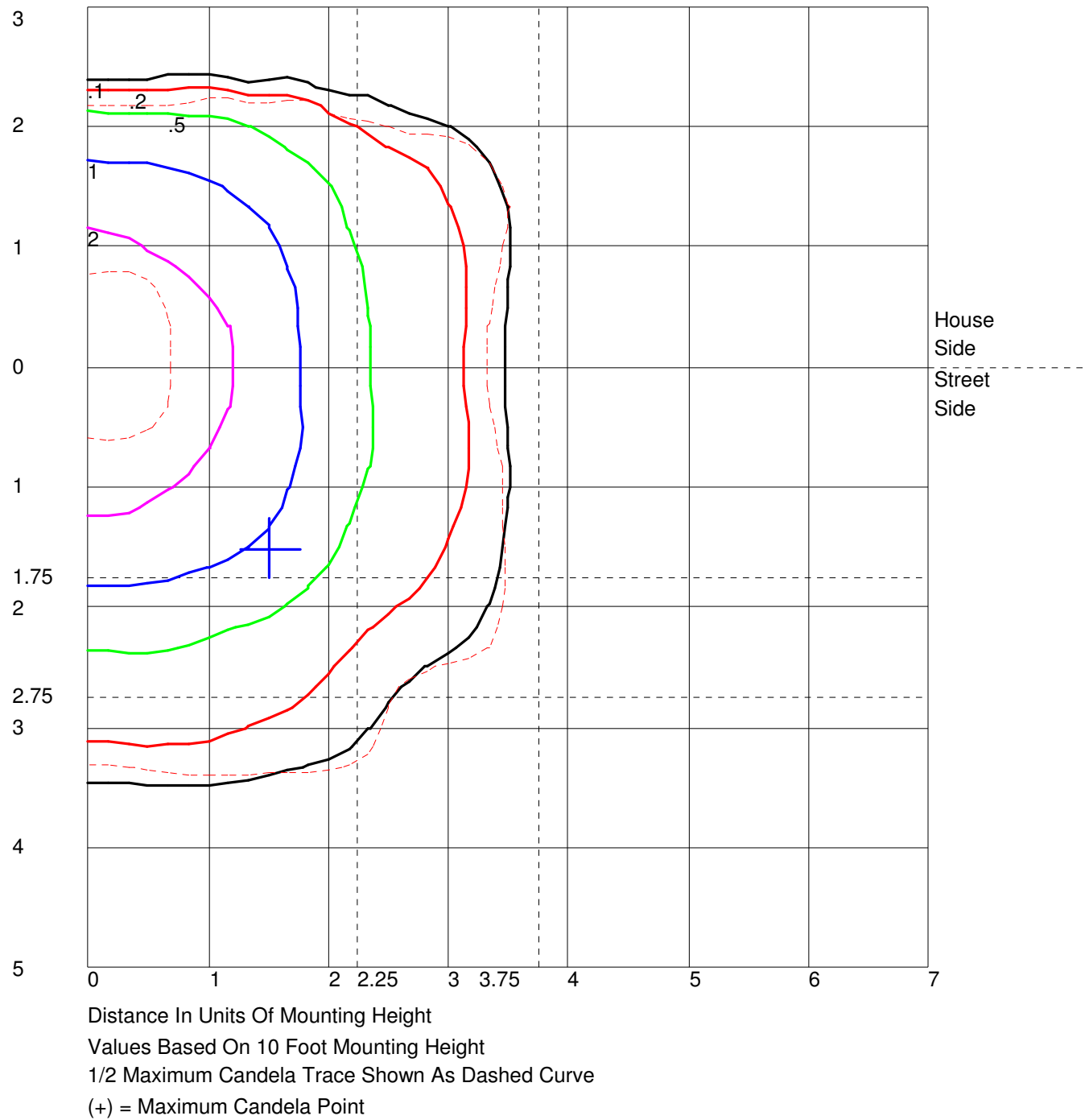
	Lumens	Percent Of Luminaire
Downward Street Side	1823.0	54.8
Downward House Side	1501.9	45.2
Downward Total	3324.9	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3324.9	100.0

POLAR GRAPH



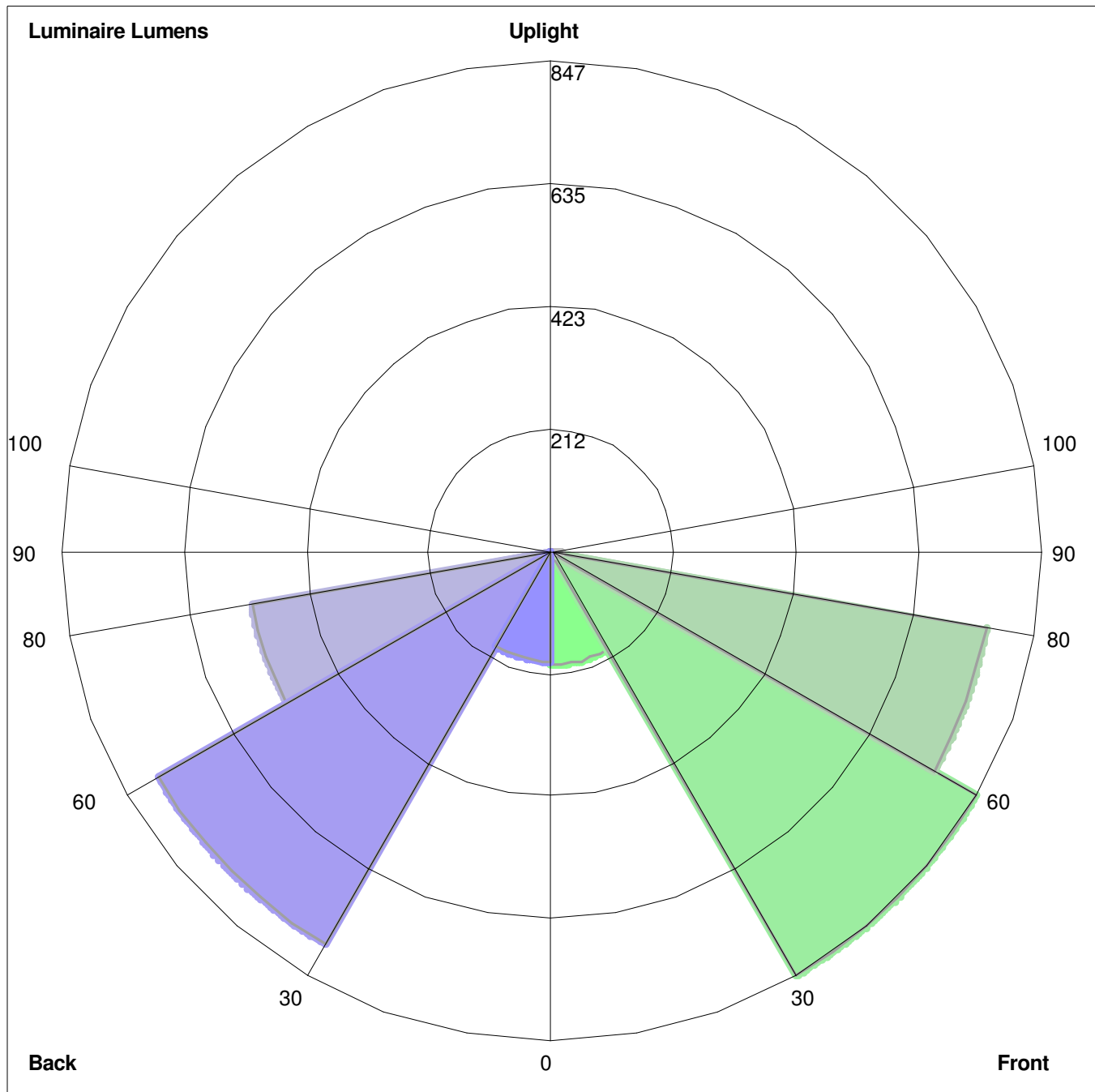
Maximum Candela = 1161.014 Located At Horizontal Angle = 45, Vertical Angle = 65  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=195.7, Medium=847.0, High=763.0, Very High=17.3  
Back: Low=189.7, Medium=783.2, High=526.5, Very High=2.6  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2