



## IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-750-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-L30-750-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	3425
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1195.845
Maximum Candela Angle	45H 65V
Maximum Candela (<90 Degrees Vertical)	1195.845
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	212.873 (6.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWPX-L30-750-TFT-XXX-CGL-DIM-UNV\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	201.6	N.A.	5.9
FM - Front-Medium (30-60)	872.4	N.A.	25.5
FH - Front-High (60-80)	785.9	N.A.	22.9
FVH - Front-Very High (80-90)	17.8	N.A.	0.5
BL - Back-Low (0-30)	195.4	N.A.	5.7
BM - Back-Medium (30-60)	806.7	N.A.	23.6
BH - Back-High (60-80)	542.3	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	3424.7	N.A.	100.0
BUG Rating	B2-U0-G2		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VWPX-L30-750-TFT-XXX-CGL-DIM-UNV\_.IES**

**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	433.259	433.259	433.259	433.259	433.259	433.259	433.259	433.259	433.259	433.259
2.5	438.268	437.016	436.390	435.137	433.885	433.259	433.259	433.885	432.633	432.007
5.0	437.642	435.763	434.511	433.885	433.259	433.259	432.633	433.259	432.007	432.007
7.5	437.642	435.763	433.885	433.885	433.259	433.259	432.633	432.007	430.755	430.129
10.0	439.520	437.016	435.137	435.763	434.511	434.511	433.885	433.259	431.381	430.129
12.5	445.155	442.024	440.772	441.398	440.146	439.520	438.894	437.016	434.511	432.633
15.0	453.294	448.911	448.285	450.790	450.790	449.538	448.911	447.033	443.903	440.772
17.5	463.938	458.929	455.799	458.929	459.555	460.181	461.433	460.181	456.425	453.294
20.0	481.469	477.086	472.077	472.703	471.451	473.329	474.581	475.208	472.077	468.947
22.5	504.008	499.625	493.364	492.112	488.982	490.234	490.860	491.486	489.608	487.103
25.0	528.426	525.295	517.156	514.652	510.269	510.895	509.643	510.895	508.391	507.138
27.5	553.470	548.461	540.322	537.817	532.182	532.808	529.052	529.052	528.426	530.304
30.0	583.522	579.766	569.122	564.113	557.852	555.348	549.087	549.713	548.461	549.087
32.5	617.332	611.071	602.931	596.044	587.905	581.018	572.879	571.626	567.870	565.992
35.0	653.645	648.636	639.871	632.358	621.088	612.323	601.679	596.044	590.409	584.148
37.5	687.454	683.698	674.932	668.671	656.150	645.506	632.984	620.462	612.949	606.062
40.0	720.011	717.507	708.116	702.481	690.585	678.689	664.915	651.141	641.123	631.732
42.5	753.821	750.690	741.925	735.038	723.768	710.620	697.472	684.950	673.680	665.541
45.0	784.499	781.995	775.734	768.847	757.577	743.803	731.281	718.759	710.620	704.985
47.5	813.300	810.795	807.665	803.282	792.639	776.986	765.717	753.195	748.186	747.560
50.0	829.578	830.204	831.457	833.961	828.952	813.300	805.161	795.143	790.760	792.639
52.5	833.335	837.092	847.109	858.379	862.135	851.492	848.987	843.353	838.970	841.474
55.0	840.222	844.605	862.135	882.797	895.945	893.440	895.319	898.449	895.319	895.945
57.5	872.779	880.918	896.571	923.493	942.276	947.911	953.546	965.441	966.694	962.937
60.0	910.971	920.989	939.145	972.328	997.372	1013.025	1024.295	1050.591	1063.739	1059.356
62.5	915.980	927.250	949.789	982.972	1004.259	1030.556	1058.730	1118.835	1152.018	1154.523
65.0	884.049	897.197	922.867	956.676	984.850	1016.781	1055.599	1142.001	1188.332	1195.845
67.5	865.266	880.918	921.615	952.293	964.815	972.955	1006.764	1107.565	1164.540	1165.792
70.0	835.839	855.248	907.214	945.406	963.563	952.293	960.433	1000.503	1044.956	1043.704
72.5	706.237	722.516	811.422	872.153	901.580	879.040	907.214	867.144	810.795	776.986
75.0	301.779	312.422	379.415	458.303	528.426	589.157	669.298	707.490	616.705	586.653
77.5	108.941	111.445	125.219	140.872	177.812	253.569	366.267	432.007	426.372	442.651
80.0	44.453	45.705	51.966	60.731	77.010	100.176	146.507	189.707	200.977	212.873
82.5	18.157	18.783	21.913	24.418	32.557	43.201	61.984	78.262	82.645	92.036
85.0	6.887	6.887	7.513	8.765	11.270	15.026	22.539	28.800	29.427	34.435
87.5	1.878	1.878	1.878	1.878	1.878	1.878	2.504	2.504	3.757	5.009
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	433.259	433.259	433.259	433.259	433.259	433.259	433.259	433.259	433.259	433.259
2.5	431.381	430.755	432.007	432.633	431.381	430.129	430.129	430.129	430.129	430.129
5.0	430.129	429.502	430.755	430.755	429.502	427.624	426.372	426.372	425.746	426.372
7.5	429.502	427.624	428.876	428.250	426.998	424.494	422.615	422.615	421.989	421.989
10.0	429.502	426.372	427.624	428.250	428.250	425.746	423.242	422.615	421.989	421.363
12.5	432.007	430.129	431.381	431.381	432.007	429.502	426.998	425.746	424.494	423.868
15.0	440.772	439.520	440.146	439.520	438.894	437.016	433.259	430.129	428.876	428.250
17.5	452.042	451.416	450.790	449.538	447.033	443.277	440.772	438.268	437.642	437.016
20.0	467.068	466.442	465.816	462.060	458.929	454.546	452.668	452.042	452.042	451.416
22.5	485.225	481.469	480.216	477.086	473.955	471.451	470.825	470.199	470.199	469.573
25.0	505.886	499.625	498.373	495.869	493.364	493.990	493.990	493.364	493.364	490.860
27.5	526.547	519.034	515.904	514.026	513.399	515.904	515.904	516.530	517.782	514.026

# IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-750-TFT-XXX-CGL-DIM-UNV\_.IES

## CANDELA TABULATION - (Cont.)

30.0	549.087	540.322	534.061	534.687	535.313	539.696	539.696	540.948	544.078	540.322
32.5	568.496	564.113	554.722	555.974	557.852	563.487	566.618	569.748	573.505	568.496
35.0	586.653	587.279	579.140	581.018	585.401	592.288	596.670	602.305	607.314	601.679
37.5	606.062	610.444	608.566	611.697	617.958	626.723	632.358	638.619	639.871	637.993
40.0	631.106	638.619	641.123	647.384	653.019	661.158	669.924	676.185	676.185	674.932
42.5	661.784	669.924	673.680	682.446	689.333	695.594	703.733	708.742	706.863	707.490
45.0	698.724	704.359	709.368	717.507	724.394	730.029	734.412	734.412	731.907	733.159
47.5	741.299	741.925	743.177	752.568	758.829	767.595	769.473	765.717	761.960	765.090
50.0	788.882	785.752	782.621	788.882	795.143	804.535	802.656	794.517	789.508	793.891
52.5	840.222	834.587	827.700	832.083	834.587	837.092	825.196	810.795	806.413	812.674
55.0	895.945	893.440	880.918	877.162	872.153	864.014	836.465	810.795	803.282	810.795
57.5	967.320	963.563	942.276	932.258	915.354	897.197	856.501	827.700	821.439	823.944
60.0	1062.486	1056.852	1021.790	998.625	972.955	942.276	894.066	865.892	860.257	860.883
62.5	1148.888	1128.853	1067.495	1020.538	987.981	946.032	895.945	867.144	860.257	861.509
65.0	1184.575	1149.514	1070.626	1011.147	978.589	937.893	895.945	869.023	864.014	861.509
67.5	1165.792	1123.844	1033.686	991.111	983.598	954.172	914.101	869.649	859.631	859.005
70.0	1068.121	1031.182	987.981	989.233	1008.642	987.981	931.006	859.005	841.474	844.605
72.5	808.917	890.310	954.798	937.267	957.302	922.867	836.465	735.038	713.124	730.655
75.0	629.853	738.794	725.646	656.776	555.348	490.860	385.676	312.422	314.301	311.796
77.5	435.763	442.024	390.058	291.761	185.951	164.037	137.741	118.958	121.463	118.958
80.0	207.238	197.221	155.898	117.080	85.775	77.010	63.236	55.097	54.470	51.966
82.5	86.401	85.149	70.123	53.844	41.322	33.809	28.174	24.418	25.044	25.044
85.0	33.183	34.435	28.800	22.539	16.905	14.400	11.896	11.270	10.644	10.644
87.5	6.261	8.139	6.261	5.635	5.009	4.383	3.757	3.130	3.130	3.130
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	433.259	433.259	433.259	433.259	433.259	433.259	433.259	433.259	433.259	433.259
2.5	430.129	429.502	429.502	428.876	429.502	431.381	430.129	430.129	431.381	433.259
5.0	425.746	425.120	425.746	426.998	426.998	428.876	428.250	428.250	429.502	430.755
7.5	421.363	421.363	423.242	424.494	425.120	426.372	426.372	425.746	426.998	428.876
10.0	421.363	421.989	423.868	425.120	424.494	425.120	425.120	425.120	426.372	427.624
12.5	424.494	425.746	428.250	428.876	428.250	426.372	426.372	426.372	428.250	430.129
15.0	429.502	432.007	433.885	435.763	435.137	434.511	433.885	433.885	434.511	437.016
17.5	437.016	437.642	440.772	443.903	443.903	445.155	444.529	443.903	443.903	445.781
20.0	450.164	449.538	450.790	455.172	455.799	457.051	457.051	457.677	456.425	456.425
22.5	467.694	467.068	467.068	470.199	471.451	471.451	471.451	472.077	470.825	469.573
25.0	491.486	490.234	487.103	488.982	488.982	488.356	490.234	489.608	488.356	485.851
27.5	515.904	512.773	509.017	509.017	506.512	505.886	511.521	509.643	506.512	501.504
30.0	540.322	535.939	530.930	527.800	525.295	525.921	529.678	525.921	521.539	515.904
32.5	566.618	559.731	554.722	549.713	545.330	547.209	545.330	540.322	535.313	531.556
35.0	598.549	590.409	582.270	576.009	567.870	564.739	560.983	552.217	548.461	545.330
37.5	635.488	626.723	618.584	606.062	592.914	586.653	577.887	569.748	564.113	561.609
40.0	671.802	663.037	654.897	640.497	621.714	609.192	598.549	591.035	584.775	583.522
42.5	704.359	694.968	688.707	671.802	654.271	636.741	623.593	616.079	610.444	610.444
45.0	735.038	729.403	720.011	702.481	684.950	666.793	652.393	646.132	641.749	639.245
47.5	768.847	766.343	753.821	735.038	716.881	696.846	686.828	678.063	673.680	668.671
50.0	800.778	802.030	789.508	770.725	751.942	731.281	725.646	715.629	707.490	701.229
52.5	826.448	832.709	826.448	805.787	792.639	775.108	766.969	753.195	746.934	739.420
55.0	832.083	851.492	857.753	847.109	838.970	823.944	813.300	797.647	792.639	787.004
57.5	844.605	867.144	889.684	892.188	887.805	880.292	870.275	850.866	845.231	842.100
60.0	877.162	898.449	932.258	948.537	948.537	956.050	951.667	931.006	922.867	916.606
62.5	875.910	900.327	936.641	969.198	997.372	1031.182	1039.321	1022.416	1016.781	1001.129
65.0	868.396	886.553	925.371	965.441	995.494	1060.608	1095.670	1095.043	1071.252	1042.451

# IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-750-TFT-XXX-CGL-DIM-UNV\_.IES

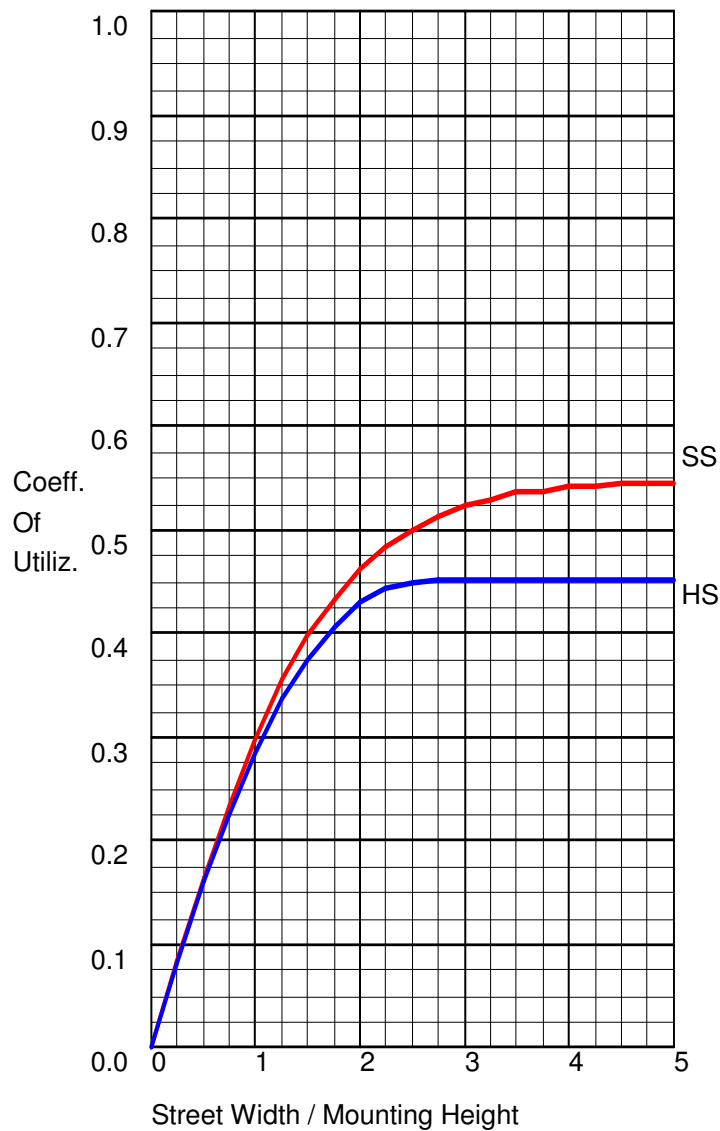
## CANDELA TABULATION - (Cont.)

67.5	877.162	904.084	924.119	937.267	962.937	1056.225	1103.809	1034.312	961.059	924.119
70.0	876.536	924.119	942.276	934.763	929.128	981.094	863.388	792.013	859.005	519.660
72.5	803.908	890.310	937.267	910.971	927.250	676.811	597.923	420.111	78.262	14.400
75.0	388.806	489.608	596.670	623.593	568.496	471.451	108.315	10.644	2.504	1.878
77.5	138.994	160.281	194.716	232.908	270.474	7.513	2.504	1.878	1.252	1.252
80.0	61.984	70.123	66.366	53.844	20.661	1.252	1.252	0.626	0.626	0.626
82.5	26.922	26.922	17.531	7.513	1.252	0.626	0.626	0.626	0.626	0.626
85.0	11.270	6.261	3.130	0.626	0.626	0.626	0.626	0.000	0.000	0.000
87.5	2.504	0.626	0.626	0.626	0.626	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	433.259	433.259	433.259	433.259	433.259	433.259	433.259
2.5	432.633	433.259	434.511	434.511	435.763	434.511	432.633
5.0	430.129	430.129	431.381	431.381	432.007	431.381	428.876
7.5	427.624	427.624	428.250	427.624	428.250	427.624	425.120
10.0	426.998	426.998	426.998	427.624	428.876	427.624	426.372
12.5	430.129	431.381	430.129	431.381	432.633	431.381	430.129
15.0	437.642	437.642	436.390	437.016	436.390	434.511	433.885
17.5	445.155	444.529	441.398	440.772	440.146	440.146	439.520
20.0	455.172	453.920	449.538	449.538	450.164	450.790	451.416
22.5	467.694	465.816	460.807	461.433	463.312	465.190	467.694
25.0	482.721	478.338	475.208	475.834	478.338	481.469	483.347
27.5	495.243	491.486	488.982	490.234	492.738	496.495	498.999
30.0	509.017	506.512	506.512	507.765	510.895	515.904	519.034
32.5	525.921	523.417	523.417	525.921	530.304	536.565	540.322
35.0	543.452	539.696	543.452	547.209	553.470	560.357	565.366
37.5	560.983	562.861	569.122	574.757	581.018	589.783	596.670
40.0	584.148	589.783	595.418	602.931	611.697	621.714	628.601
42.5	611.697	617.958	624.845	631.732	640.497	651.767	659.280
45.0	640.497	646.132	653.019	659.906	668.671	680.567	686.828
47.5	669.298	672.428	681.193	687.454	696.220	708.116	712.498
50.0	701.229	703.107	711.246	717.507	725.646	736.290	738.794
52.5	738.794	738.794	743.803	748.812	751.316	758.203	758.829
55.0	782.621	778.865	779.491	780.117	775.108	773.856	771.351
57.5	834.587	828.952	823.944	813.926	794.517	783.247	778.238
60.0	907.841	895.319	877.788	851.492	818.935	808.917	805.161
62.5	969.824	932.884	899.075	864.014	832.083	822.065	816.430
65.0	981.094	933.510	891.562	843.353	771.977	677.437	676.811
67.5	915.354	716.881	472.077	260.456	130.854	75.758	56.349
70.0	178.438	89.532	10.644	3.757	2.504	2.504	2.504
72.5	3.757	2.504	1.878	1.878	1.878	1.878	1.252
75.0	1.878	1.252	1.252	1.252	0.626	0.626	0.626
77.5	0.626	0.626	0.626	0.626	0.626	0.000	0.000
80.0	0.626	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

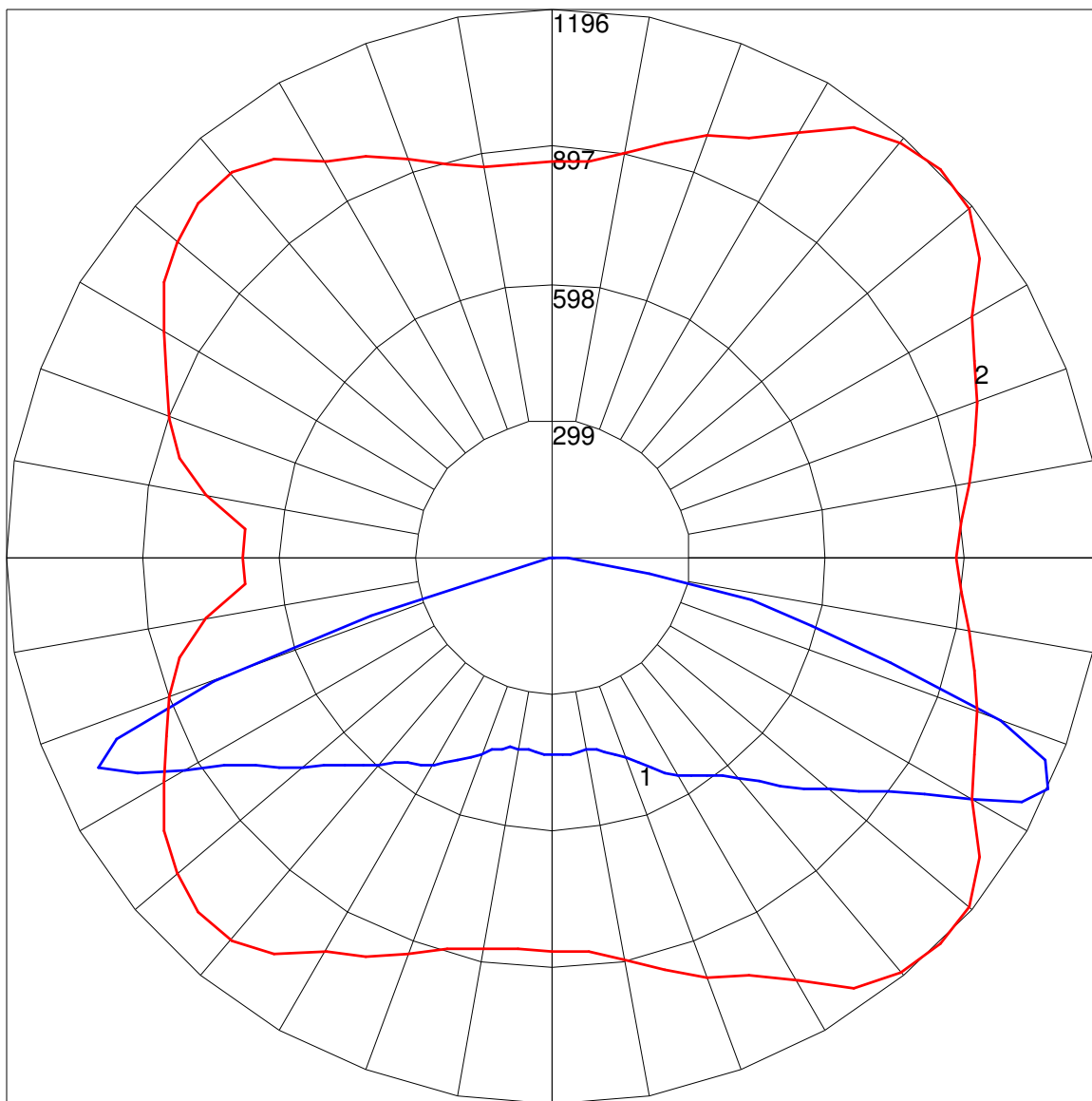
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

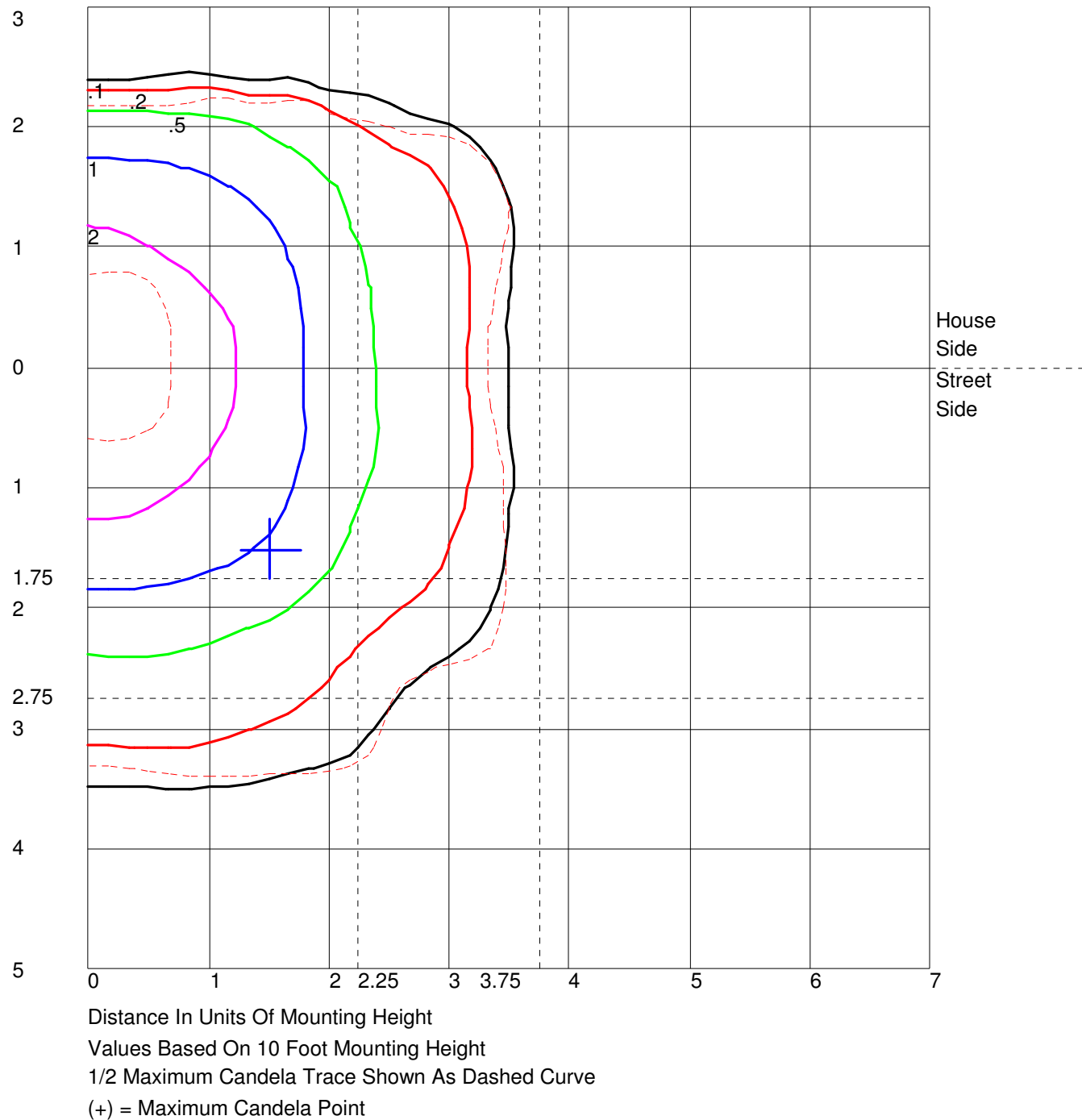
	Lumens	Percent Of Luminaire
Downward Street Side	1877.7	54.8
Downward House Side	1547.0	45.2
Downward Total	3424.7	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3424.7	100.0

POLAR GRAPH



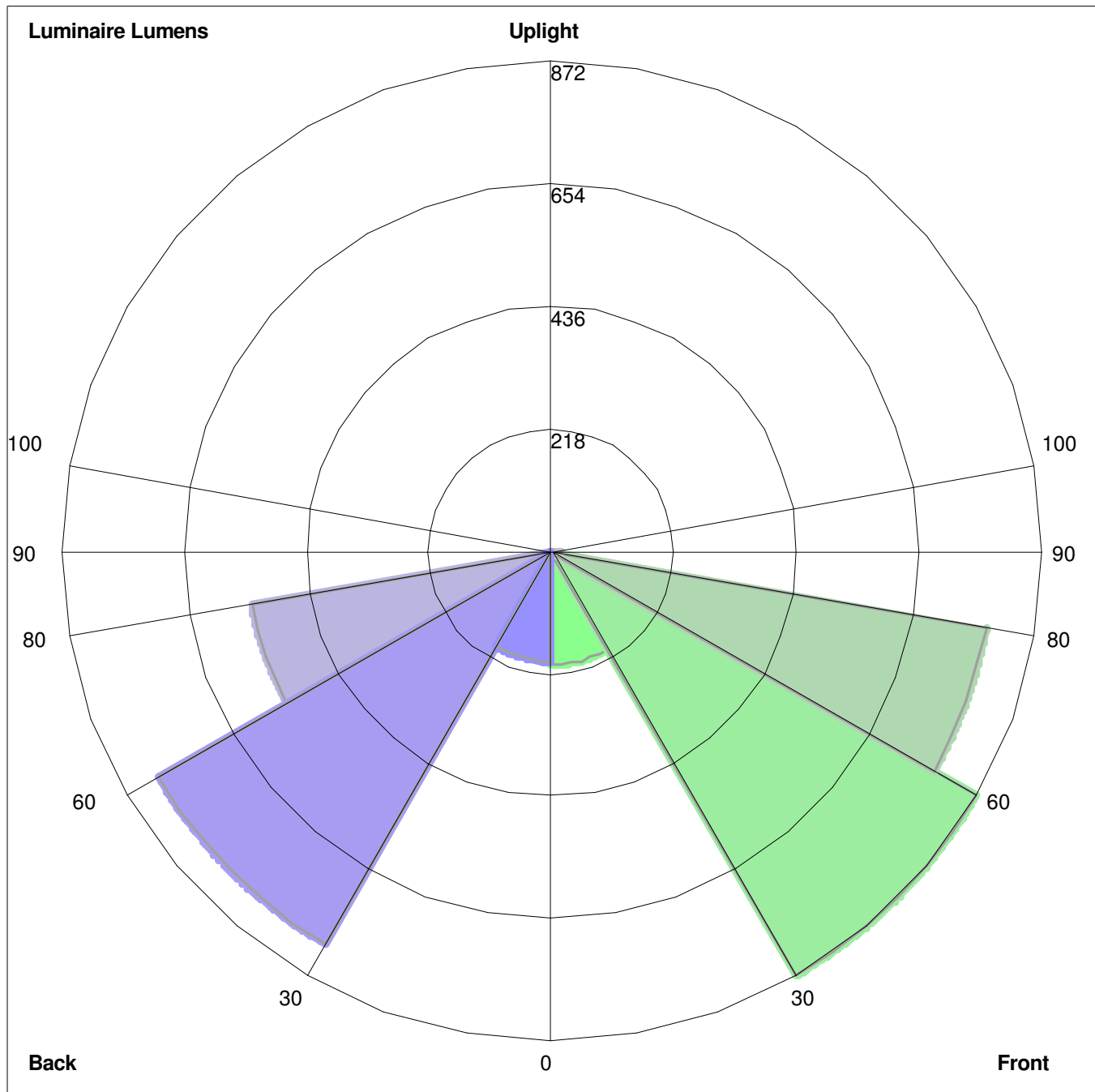
Maximum Candela = 1195.845 Located At Horizontal Angle = 45, Vertical Angle = 65  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=201.6, Medium=872.4, High=785.9, Very High=17.8  
Back: Low=195.4, Medium=806.7, High=542.3, Very High=2.6  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2