



## IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-730-T3-XXX-SDGL-DIM-UNV\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM ATAL009419  
[TESTLAB] ATAL-LABS  
[ISSUE DATE] 2024-01-31  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] VWPX-L30-730-T3-XXX-SDGL-DIM-UNV  
[LUMINAIRE] CAST ALUMINUM LED WALL PACK  
[MORE] WITH TYPE III DISTRIBUTION AND  
[MORE] MICRO-PRISMATIC GLASS LENS  
[LAMPCAT] X4-LUXEON M  
[LAMP] 8 WHITE LED  
[\_SEARCH\_SOURCETYPE] LED  
[\_SEARCH\_APPLICATION] Outdoor  
[\_SEARCH\_MOUNTING] Wall

### CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3229
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1361.309
Maximum Candela Angle	0H 30V
Maximum Candela (<90 Degrees Vertical)	1361.309
Maximum Candela Angle (<90 Degrees Vertical)	0H 30V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	306.873 (9.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWPX-L30-730-T3-XXX-SDGL-DIM-UNV\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	462.6	N.A.	14.3
FM - Front-Medium (30-60)	1223.1	N.A.	37.9
FH - Front-High (60-80)	504.4	N.A.	15.6
FVH - Front-Very High (80-90)	38.9	N.A.	1.2
BL - Back-Low (0-30)	292.6	N.A.	9.1
BM - Back-Medium (30-60)	517.9	N.A.	16.0
BH - Back-High (60-80)	179.6	N.A.	5.6
BVH - Back-Very High (80-90)	9.7	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	3228.8	N.A.	100.0
BUG Rating	B1-U0-G1		

**IES ROAD REPORT**  
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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u><b>0.0</b></u>	<u><b>2.5</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>
<b>0.0</b>	889.429	889.429	889.429	889.429	889.429	889.429	889.429	889.429	889.429	889.429
<b>2.5</b>	915.588	917.601	915.588	921.625	920.619	919.613	917.601	913.576	911.564	910.558
<b>5.0</b>	953.822	953.822	953.822	957.846	956.840	954.828	951.809	947.785	943.760	940.742
<b>7.5</b>	969.920	969.920	969.920	972.938	970.926	967.908	964.889	964.889	964.889	963.883
<b>10.0</b>	1003.123	1003.123	1002.116	1002.116	998.092	995.073	992.055	991.049	988.030	986.018
<b>12.5</b>	1044.374	1046.387	1043.368	1042.362	1038.337	1037.331	1033.307	1030.288	1025.258	1020.227
<b>15.0</b>	1082.608	1084.620	1081.602	1077.577	1073.552	1071.540	1068.522	1070.534	1068.522	1059.466
<b>17.5</b>	1114.804	1116.816	1113.798	1107.761	1099.712	1094.681	1093.675	1097.700	1096.694	1092.669
<b>20.0</b>	1177.185	1176.179	1170.142	1162.093	1153.038	1139.958	1129.896	1123.859	1117.823	1113.798
<b>22.5</b>	1243.590	1243.590	1236.547	1225.480	1212.400	1200.326	1188.252	1167.123	1150.019	1135.933
<b>25.0</b>	1294.903	1295.910	1287.860	1275.787	1261.701	1244.596	1230.510	1210.388	1193.283	1166.117
<b>27.5</b>	1338.167	1338.167	1331.124	1316.032	1296.916	1282.830	1264.719	1244.596	1223.467	1208.375
<b>30.0</b>	1361.309	1359.296	1351.247	1342.192	1323.075	1308.989	1287.860	1271.762	1256.670	1235.541
<b>32.5</b>	1350.241	1350.241	1344.204	1336.155	1329.112	1319.051	1304.965	1291.885	1278.805	1256.670
<b>35.0</b>	1315.026	1313.014	1306.977	1304.965	1303.959	1304.965	1300.940	1301.946	1289.873	1272.768
<b>37.5</b>	1258.682	1255.664	1250.633	1253.652	1256.670	1263.713	1277.799	1287.860	1291.885	1278.805
<b>40.0</b>	1159.074	1158.068	1161.087	1167.123	1182.216	1202.338	1235.541	1265.725	1284.842	1282.830
<b>42.5</b>	1034.313	1038.337	1040.350	1051.417	1084.620	1113.798	1172.154	1228.498	1261.701	1271.762
<b>45.0</b>	899.490	907.539	914.582	933.699	967.908	1010.166	1085.626	1166.117	1223.467	1252.645
<b>47.5</b>	784.790	788.815	796.864	817.993	853.208	905.527	988.030	1083.614	1162.093	1217.431
<b>50.0</b>	690.213	694.237	696.250	717.378	755.612	809.943	896.472	992.055	1084.620	1163.099
<b>52.5</b>	598.654	602.678	604.691	627.832	665.059	721.403	808.937	906.533	1003.123	1090.657
<b>55.0</b>	519.169	525.206	527.218	547.341	584.568	637.893	728.446	828.054	918.607	1004.129
<b>57.5</b>	449.745	453.770	455.782	472.886	507.095	562.433	644.936	743.538	830.066	911.564
<b>60.0</b>	386.358	387.364	388.370	404.469	435.659	487.978	566.457	656.004	735.489	809.943
<b>62.5</b>	324.984	324.984	328.002	344.100	369.254	424.591	492.003	570.482	641.918	714.360
<b>65.0</b>	266.627	266.627	269.646	288.762	311.904	362.211	421.573	487.978	550.359	616.764
<b>67.5</b>	217.326	216.320	218.333	236.443	259.584	302.848	354.162	415.536	468.862	525.206
<b>70.0</b>	174.062	173.056	176.075	190.161	208.271	247.511	292.787	341.082	391.389	438.677
<b>72.5</b>	137.841	136.835	138.847	150.921	168.026	198.210	235.437	279.707	318.947	357.180
<b>75.0</b>	106.651	105.645	106.651	116.712	129.792	153.940	186.136	218.333	250.529	281.719
<b>77.5</b>	78.479	77.473	78.479	86.528	95.583	114.700	139.854	162.995	187.142	214.308
<b>80.0</b>	54.332	53.325	54.332	59.362	66.405	79.485	97.596	114.700	131.804	150.921
<b>82.5</b>	33.203	33.203	33.203	37.227	41.252	49.301	60.368	72.442	82.504	94.577
<b>85.0</b>	17.104	16.098	16.098	18.111	21.129	25.154	31.190	36.221	42.258	48.295
<b>87.5</b>	5.031	5.031	5.031	6.037	6.037	7.043	9.055	11.068	13.080	15.092
<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>45.0</b></u>	<u><b>50.0</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>	889.429	889.429	889.429	889.429	889.429	889.429	889.429	889.429	889.429	889.429
<b>2.5</b>	911.564	908.545	903.515	900.496	900.496	899.490	895.465	893.453	890.435	887.416
<b>5.0</b>	939.736	934.705	927.662	921.625	918.607	916.594	909.551	904.521	899.490	893.453
<b>7.5</b>	964.889	961.871	957.846	950.803	946.779	942.754	934.705	926.656	919.613	909.551
<b>10.0</b>	984.006	984.006	980.987	977.969	974.951	969.920	962.877	953.822	941.748	929.674
<b>12.5</b>	1017.208	1015.196	1012.178	1008.153	1002.116	997.086	988.030	977.969	961.871	946.779
<b>15.0</b>	1051.417	1046.387	1039.344	1031.294	1024.251	1018.215	1009.159	998.092	979.981	960.865
<b>17.5</b>	1083.614	1075.565	1067.516	1055.442	1047.393	1040.350	1030.288	1018.215	995.073	971.932
<b>20.0</b>	1106.755	1098.706	1096.694	1087.638	1072.546	1059.466	1046.387	1031.294	1005.135	978.975
<b>22.5</b>	1122.853	1118.829	1116.816	1105.749	1087.638	1074.559	1062.485	1045.380	1022.239	989.037
<b>25.0</b>	1145.995	1131.909	1127.884	1121.847	1106.755	1090.657	1076.571	1057.454	1034.313	1001.110
<b>27.5</b>	1182.216	1150.019	1142.976	1132.915	1120.841	1100.718	1085.626	1066.509	1039.344	1003.123

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## CANDELA TABULATION - (Cont.)

30.0	1212.400	1181.209	1157.062	1144.988	1134.927	1118.829	1095.687	1075.565	1044.374	1003.123
32.5	1235.541	1207.369	1180.203	1157.062	1147.001	1130.902	1110.780	1086.632	1049.405	1006.141
35.0	1249.627	1225.480	1195.295	1175.173	1164.105	1149.013	1121.847	1092.669	1057.454	1011.172
37.5	1258.682	1232.523	1210.388	1188.252	1176.179	1163.099	1138.952	1105.749	1065.503	1012.178
40.0	1262.707	1238.560	1216.424	1199.320	1188.252	1174.166	1149.013	1108.767	1063.491	1008.153
42.5	1263.713	1238.560	1213.406	1202.338	1184.228	1176.179	1158.068	1118.829	1071.540	1012.178
45.0	1253.652	1231.517	1207.369	1192.277	1187.246	1182.216	1167.123	1128.890	1078.583	1012.178
47.5	1231.517	1216.424	1190.265	1180.203	1184.228	1183.222	1169.136	1133.921	1079.589	1010.166
50.0	1194.289	1189.259	1170.142	1169.136	1174.166	1180.203	1177.185	1143.982	1083.614	1010.166
52.5	1140.964	1152.031	1151.025	1152.031	1163.099	1171.148	1174.166	1141.970	1080.595	1002.116
55.0	1066.509	1100.718	1122.853	1135.933	1144.988	1159.074	1163.099	1137.945	1079.589	993.061
57.5	978.975	1037.331	1074.559	1095.687	1111.786	1126.878	1134.927	1111.786	1055.442	969.920
60.0	883.392	957.846	1007.147	1038.337	1061.479	1083.614	1093.675	1072.546	1018.215	938.730
62.5	787.808	870.312	931.687	973.944	1010.166	1032.301	1046.387	1029.282	977.969	898.484
65.0	689.207	776.741	842.140	894.459	941.748	966.901	992.055	978.975	931.687	848.177
67.5	596.642	675.121	746.557	801.894	859.244	890.435	914.582	909.551	863.269	788.815
70.0	503.070	569.476	637.893	700.274	760.643	792.839	821.011	812.962	772.716	704.299
72.5	410.506	467.856	532.249	593.623	648.961	681.157	704.299	691.219	654.998	599.660
75.0	323.977	372.272	434.653	482.948	530.236	555.390	572.494	558.408	525.206	479.929
77.5	244.492	282.726	334.039	373.278	410.506	423.585	436.665	420.567	393.401	359.192
80.0	173.056	200.222	239.462	266.627	293.793	298.824	306.873	294.799	274.676	252.541
82.5	108.663	129.792	153.940	171.044	188.148	200.222	197.204	187.142	179.093	161.989
85.0	55.338	67.411	79.485	88.540	98.602	105.645	103.633	97.596	96.590	86.528
87.5	17.104	21.129	26.160	28.172	32.197	36.221	35.215	32.197	33.203	30.184
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	889.429	889.429	889.429	889.429	889.429	889.429	889.429	889.429	889.429	889.429
2.5	884.398	881.379	879.367	875.343	872.324	870.312	870.312	869.306	867.293	866.287
5.0	887.416	881.379	875.343	867.293	861.257	856.226	853.208	851.195	846.165	842.140
7.5	900.496	890.435	879.367	870.312	860.251	853.208	847.171	838.115	830.066	823.023
10.0	917.601	903.515	889.429	877.355	863.269	851.195	840.128	826.042	813.968	800.888
12.5	930.680	914.582	899.490	882.386	866.287	850.189	833.085	811.956	793.845	775.735
15.0	939.736	919.613	898.484	881.379	863.269	842.140	817.993	793.845	772.716	748.569
17.5	946.779	922.631	898.484	873.330	849.183	824.029	795.857	769.698	741.526	711.342
20.0	948.791	924.644	898.484	867.293	838.115	807.931	772.716	734.483	698.262	658.016
22.5	953.822	924.644	894.459	859.244	824.029	785.796	741.526	693.231	642.924	593.623
25.0	962.877	928.668	890.435	851.195	806.925	758.630	702.286	642.924	584.568	528.224
27.5	964.889	926.656	882.386	838.115	787.808	726.434	659.022	591.611	529.230	471.880
30.0	960.865	921.625	872.324	817.993	761.649	691.219	614.752	539.292	476.911	427.610
32.5	961.871	913.576	863.269	804.913	733.477	650.973	567.463	492.003	435.659	397.426
35.0	958.852	906.533	851.195	782.778	703.293	611.734	522.187	449.745	400.444	372.272
37.5	956.840	901.502	836.103	758.630	667.071	569.476	475.905	408.493	371.266	352.149
40.0	950.803	890.435	817.993	732.471	633.869	524.199	432.641	369.254	340.076	330.014
42.5	949.797	880.373	802.900	703.293	594.629	479.929	390.383	335.045	312.910	308.885
45.0	942.754	870.312	782.778	672.102	552.371	432.641	351.143	302.848	285.744	287.756
47.5	930.680	854.214	760.643	643.930	515.144	393.401	313.916	273.670	261.597	266.627
50.0	926.656	844.152	741.526	616.764	479.929	359.192	283.732	248.517	238.455	244.492
52.5	915.588	828.054	719.391	590.605	449.745	329.008	256.566	221.351	212.296	221.351
55.0	903.515	807.931	696.250	562.433	422.579	303.855	232.419	199.216	192.173	197.204
57.5	876.349	778.753	667.071	530.236	391.389	277.695	210.283	179.093	171.044	171.044
60.0	844.152	742.532	627.832	494.015	359.192	252.541	189.154	160.983	149.915	146.897
62.5	804.913	703.293	588.592	456.788	326.996	229.400	171.044	142.872	130.798	126.774
65.0	762.655	659.022	545.328	417.548	296.812	208.271	151.927	125.768	113.694	108.663

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## CANDELA TABULATION - (Cont.)

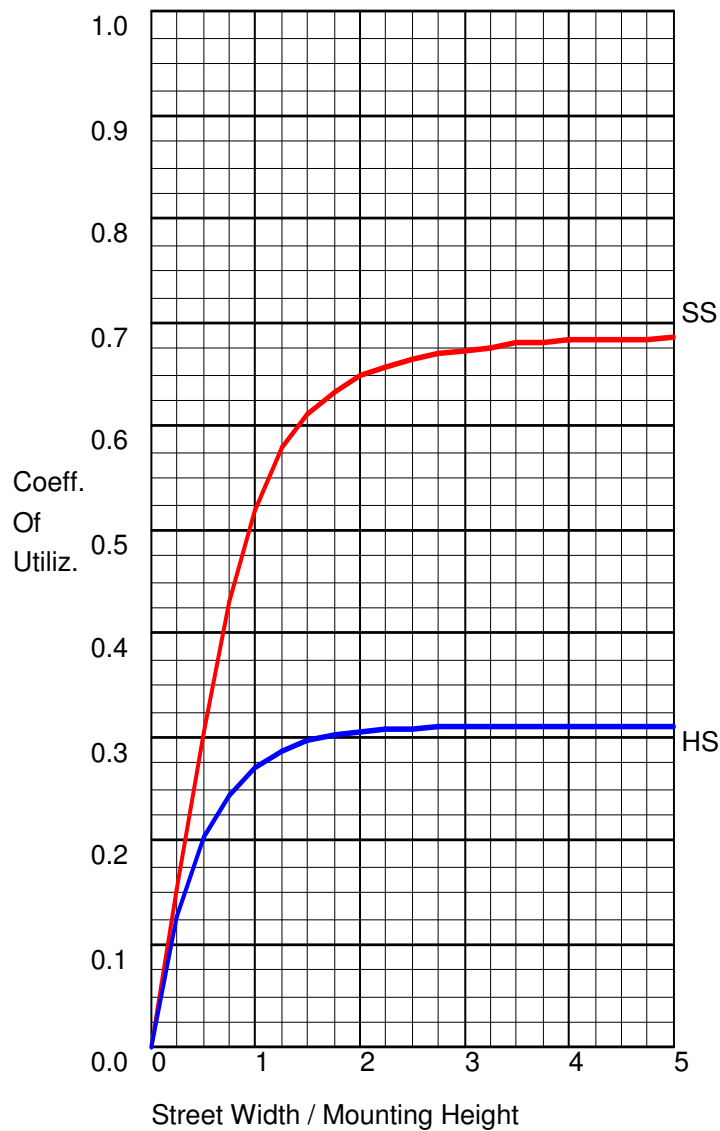
67.5	702.286	605.697	497.034	378.309	264.615	184.124	132.811	108.663	96.590	89.547
70.0	625.820	538.285	441.696	331.020	230.406	157.964	112.688	90.553	76.467	64.393
72.5	531.242	457.794	375.291	280.713	193.179	129.792	88.540	67.411	51.313	35.215
75.0	426.604	367.241	302.848	226.382	152.933	94.577	54.332	39.239	18.111	7.043
77.5	317.941	281.719	232.419	171.044	105.645	42.258	21.129	7.043	2.012	1.006
80.0	224.369	200.222	165.007	106.651	23.141	8.049	3.018	1.006	1.006	0.000
82.5	144.884	128.786	105.645	45.276	7.043	2.012	1.006	1.006	0.000	0.000
85.0	77.473	69.424	51.313	10.061	2.012	1.006	1.006	1.006	0.000	0.000
87.5	29.178	24.147	7.043	1.006	1.006	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	889.429	889.429	889.429	889.429	889.429	889.429	889.429	889.429
2.5	865.281	866.287	864.275	865.281	867.293	865.281	862.263	859.244
5.0	840.128	838.115	834.091	835.097	837.109	834.091	833.085	830.066
7.5	816.986	811.956	803.907	801.894	801.894	800.888	798.876	799.882
10.0	789.821	781.772	770.704	760.643	756.618	753.600	750.581	752.593
12.5	759.636	746.557	729.452	716.372	708.323	699.268	700.274	702.286
15.0	721.403	699.268	677.133	654.998	643.930	631.857	632.863	634.875
17.5	674.114	640.912	612.740	583.562	565.451	548.347	546.335	548.347
20.0	613.746	572.494	534.261	505.083	483.954	465.843	459.806	459.806
22.5	541.304	501.058	467.856	437.671	420.567	408.493	400.444	398.432
25.0	474.899	441.696	414.530	395.413	383.340	377.303	373.278	372.272
27.5	428.616	404.469	386.358	374.284	367.241	365.229	365.229	364.223
30.0	399.438	382.334	371.266	365.229	366.235	367.241	370.260	368.248
32.5	377.303	369.254	366.235	369.254	375.291	379.315	383.340	383.340
35.0	359.192	360.198	364.223	372.272	379.315	387.364	394.407	395.413
37.5	347.119	352.149	360.198	369.254	377.303	385.352	392.395	393.401
40.0	333.033	340.076	351.143	362.211	372.272	382.334	390.383	390.383
42.5	314.922	325.990	343.094	357.180	370.260	380.321	387.364	389.377
45.0	299.830	314.922	333.033	344.100	356.174	367.241	374.284	377.303
47.5	282.726	296.812	310.898	322.971	330.014	340.076	343.094	345.106
50.0	261.597	271.658	280.713	288.762	290.775	298.824	299.830	299.830
52.5	232.419	240.468	246.505	248.517	249.523	252.541	253.548	251.535
55.0	203.240	208.271	210.283	210.283	209.277	212.296	214.308	210.283
57.5	172.050	174.062	176.075	176.075	177.081	178.087	179.093	178.087
60.0	147.903	146.897	149.915	149.915	150.921	151.927	150.921	150.921
62.5	125.768	125.768	125.768	124.761	122.749	122.749	122.749	122.749
65.0	106.651	103.633	97.596	92.565	91.559	87.534	87.534	87.534
67.5	82.504	74.454	64.393	55.338	44.270	26.160	21.129	20.123
70.0	52.319	37.227	18.111	11.068	8.049	5.031	5.031	5.031
72.5	16.098	7.043	4.025	3.018	2.012	2.012	2.012	2.012
75.0	3.018	2.012	1.006	1.006	1.006	1.006	1.006	1.006
77.5	1.006	1.006	0.000	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



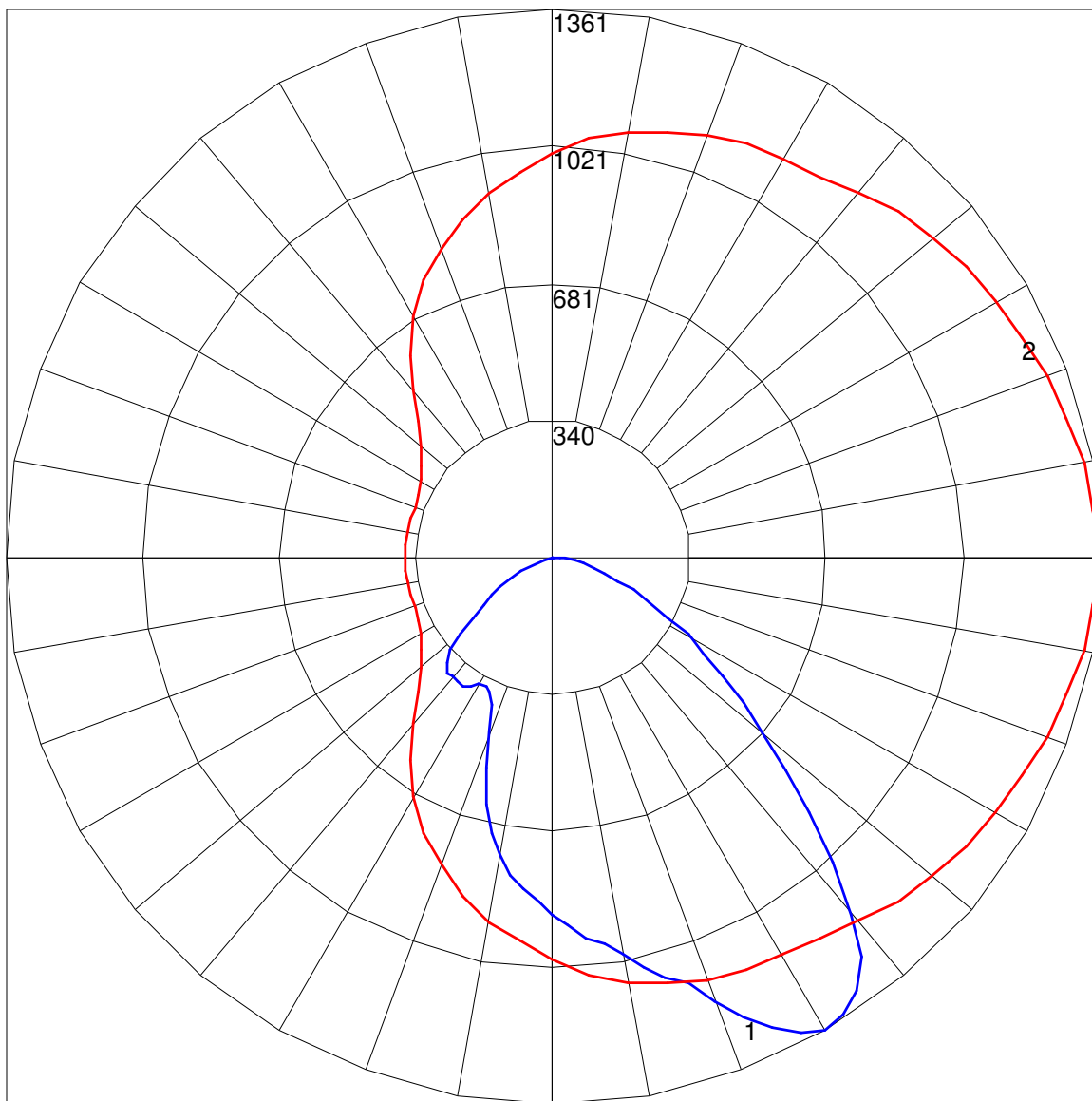
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2229.0	69.0
Downward House Side	999.8	31.0
Downward Total	3228.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3228.8	100.0

# IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-730-T3-XXX-SDGL-DIM-UNV\_.IES

## POLAR GRAPH

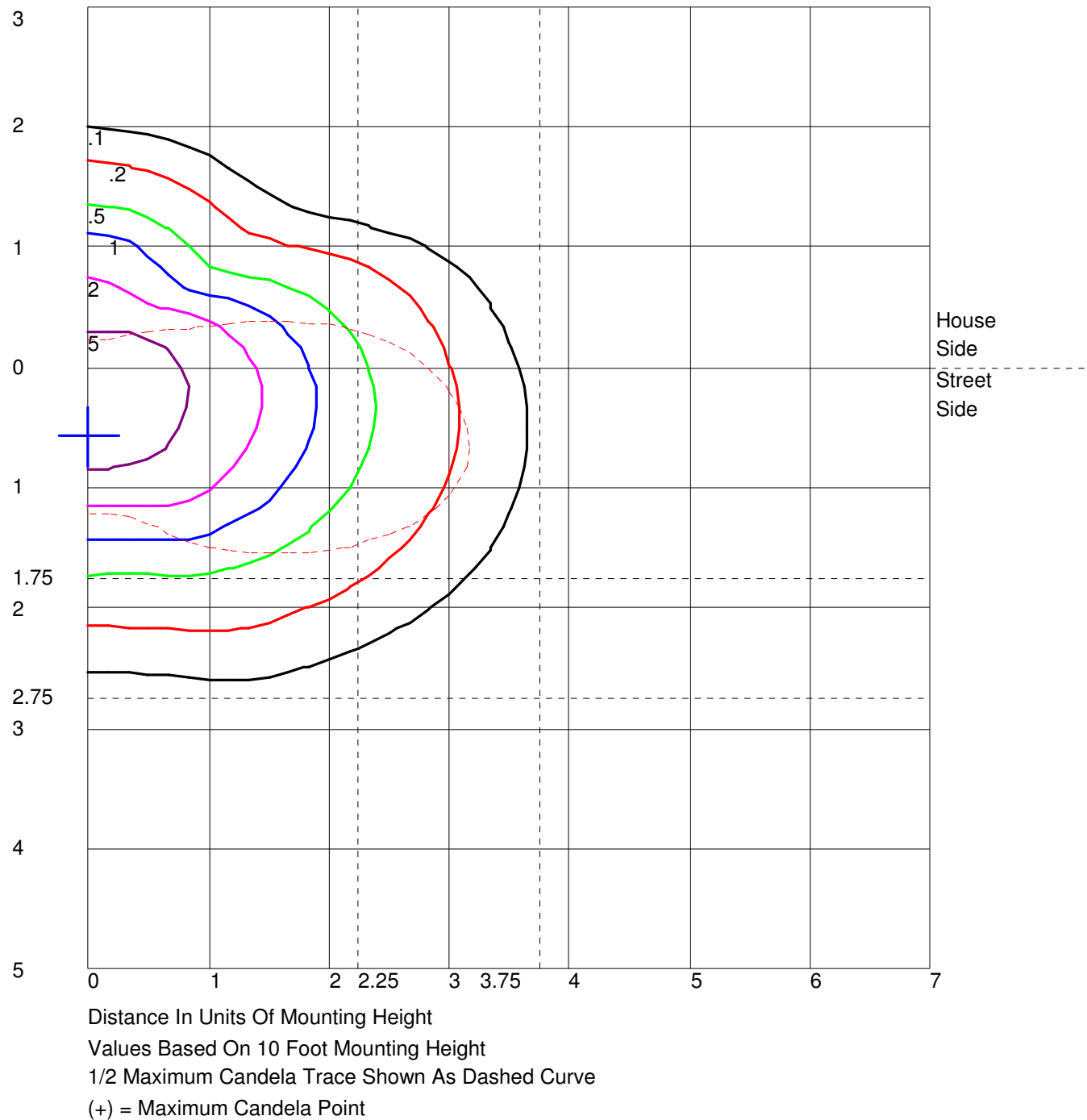


Maximum Candela = 1361.309 Located At Horizontal Angle = 0, Vertical Angle = 30

# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

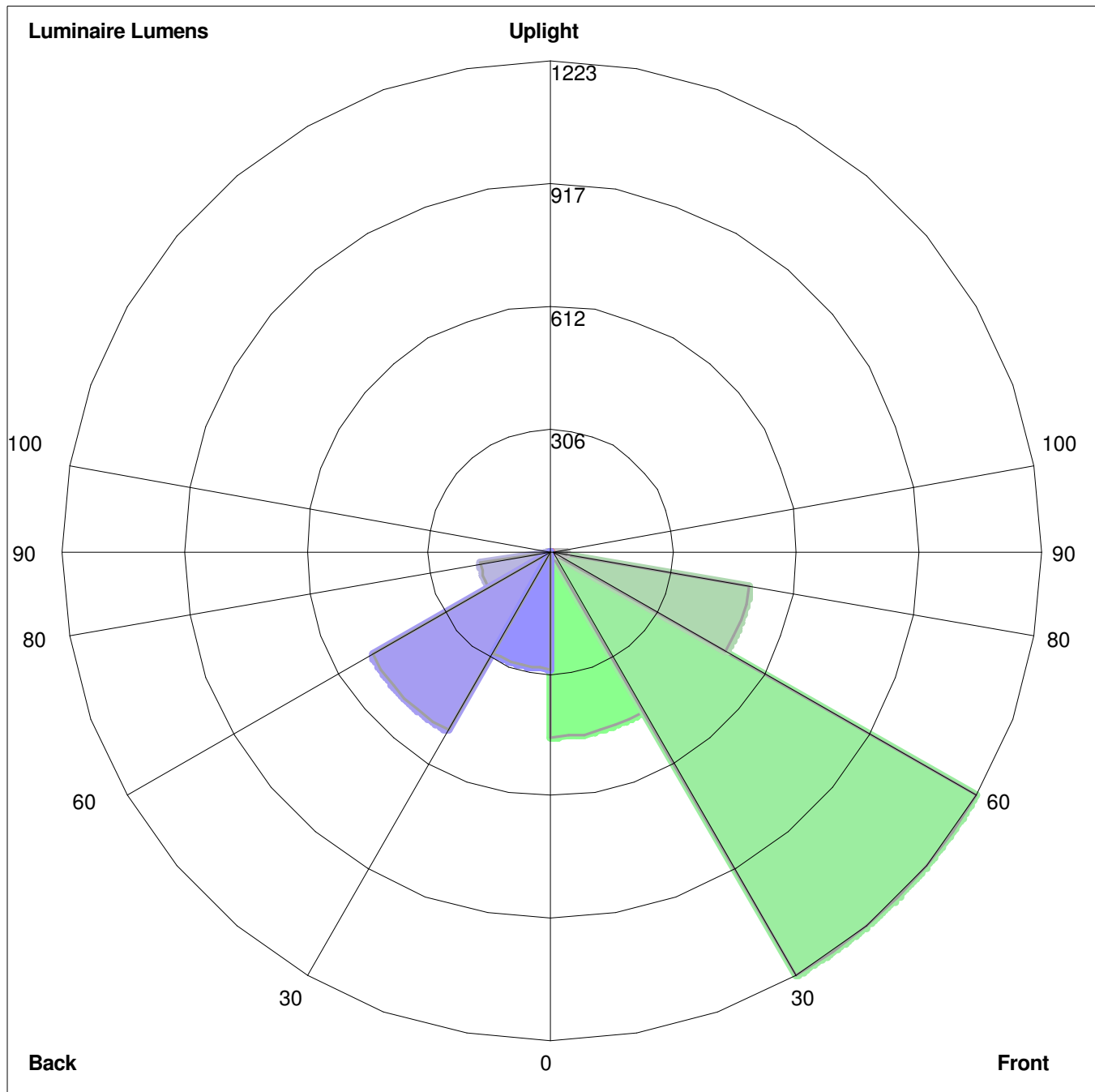
# 2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=462.6, Medium=1223.1, High=504.4, Very High=38.9  
Back: Low=292.6, Medium=517.9, High=179.6, Very High=9.7  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1