



## IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-840-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-L30-840-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	3093
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1303.991
Maximum Candela Angle	0H 30V
Maximum Candela (<90 Degrees Vertical)	1303.991
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	293.952 (9.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWPX-L30-840-T3-XXX-SDGL-DIM-UNV\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	443.1	N.A.	14.3
FM - Front-Medium (30-60)	1171.6	N.A.	37.9
FH - Front-High (60-80)	483.2	N.A.	15.6
FVH - Front-Very High (80-90)	37.2	N.A.	1.2
BL - Back-Low (0-30)	280.3	N.A.	9.1
BM - Back-Medium (30-60)	496.1	N.A.	16.0
BH - Back-High (60-80)	172.1	N.A.	5.6
BVH - Back-Very High (80-90)	9.3	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	3092.9	N.A.	100.0
BUG Rating	B1-U0-G1		

CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>2.5</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>
0.0	851.979	851.979	851.979	851.979	851.979	851.979	851.979	851.979	851.979	851.979
2.5	877.038	878.965	877.038	882.820	881.857	880.893	878.965	875.110	873.183	872.219
5.0	913.661	913.661	913.661	917.516	916.552	914.625	911.734	907.879	904.023	901.132
7.5	929.082	929.082	929.082	931.973	930.045	927.154	924.263	924.263	924.263	923.299
10.0	960.886	960.886	959.922	959.922	956.067	953.176	950.285	949.321	946.430	944.502
12.5	1000.401	1002.329	999.437	998.474	994.618	993.655	989.800	986.908	982.089	977.270
15.0	1037.025	1038.952	1036.061	1032.206	1028.351	1026.423	1023.532	1025.459	1023.532	1014.858
17.5	1067.866	1069.793	1066.902	1061.119	1053.409	1048.590	1047.626	1051.481	1050.518	1046.662
20.0	1127.620	1126.656	1120.873	1113.163	1104.489	1091.960	1082.322	1076.540	1070.757	1066.902
22.5	1191.229	1191.229	1184.483	1173.881	1161.352	1149.787	1138.221	1117.982	1101.598	1088.105
25.0	1240.382	1241.346	1233.635	1222.070	1208.577	1192.193	1178.700	1159.424	1143.040	1117.018
27.5	1281.824	1281.824	1275.078	1260.621	1242.309	1228.816	1211.468	1192.193	1171.954	1157.497
30.0	1303.991	1302.064	1294.353	1285.679	1267.368	1253.875	1233.635	1218.215	1203.758	1183.519
32.5	1293.390	1293.390	1287.607	1279.897	1273.150	1263.512	1250.020	1237.490	1224.961	1203.758
35.0	1259.657	1257.730	1251.947	1250.020	1249.056	1250.020	1246.164	1247.128	1235.563	1219.179
37.5	1205.686	1202.794	1197.976	1200.867	1203.758	1210.505	1223.998	1233.635	1237.490	1224.961
40.0	1110.272	1109.308	1112.199	1117.982	1132.439	1151.714	1183.519	1212.432	1230.744	1228.816
42.5	990.763	994.618	996.546	1007.148	1038.952	1066.902	1122.801	1176.772	1208.577	1218.215
45.0	861.617	869.327	876.074	894.386	927.154	967.633	1039.916	1117.018	1171.954	1199.903
47.5	751.747	755.602	763.312	783.551	817.283	867.400	946.430	1037.988	1113.163	1166.171
50.0	661.151	665.007	666.934	687.173	723.797	775.841	858.726	950.285	1038.952	1114.127
52.5	573.448	577.303	579.230	601.397	637.057	691.029	774.877	868.364	960.886	1044.735
55.0	497.309	503.092	505.019	524.295	559.955	611.035	697.775	793.189	879.929	961.850
57.5	430.809	434.664	436.591	452.975	485.744	538.752	617.781	712.232	795.117	873.183
60.0	370.091	371.054	372.018	387.439	417.316	467.432	542.607	628.383	704.521	775.841
62.5	311.300	311.300	314.191	329.612	353.706	406.714	471.287	546.462	614.890	684.282
65.0	255.401	255.401	258.292	276.604	298.771	346.960	403.823	467.432	527.186	590.796
67.5	208.176	207.212	209.140	226.488	248.655	290.097	339.250	398.040	449.120	503.092
70.0	166.734	165.770	168.661	182.154	199.502	237.089	280.459	326.721	374.909	420.207
72.5	132.038	131.074	133.001	144.567	160.951	189.864	225.524	267.930	305.517	342.141
75.0	102.160	101.197	102.160	111.798	124.327	147.458	178.299	209.140	239.981	269.858
77.5	75.175	74.211	75.175	82.885	91.559	109.871	133.965	156.132	179.263	205.285
80.0	52.044	51.080	52.044	56.863	63.609	76.138	93.486	109.871	126.255	144.567
82.5	31.805	31.805	31.805	35.660	39.515	47.225	57.827	69.392	79.030	90.595
85.0	16.384	15.420	15.420	17.348	20.239	24.094	29.877	34.696	40.479	46.261
87.5	4.819	4.819	4.819	5.783	5.783	6.746	8.674	10.602	12.529	14.457
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>45.0</u>	<u>50.0</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	851.979	851.979	851.979	851.979	851.979	851.979	851.979	851.979	851.979	851.979
2.5	873.183	870.291	865.472	862.581	862.581	861.617	857.762	855.835	852.943	850.052
5.0	900.168	895.349	888.603	882.820	879.929	878.001	871.255	866.436	861.617	855.835
7.5	924.263	921.371	917.516	910.770	906.915	903.060	895.349	887.639	880.893	871.255
10.0	942.574	942.574	939.683	936.792	933.900	929.082	922.335	913.661	902.096	890.531
12.5	974.379	972.452	969.560	965.705	959.922	955.104	946.430	936.792	921.371	906.915
15.0	1007.148	1002.329	995.582	987.872	981.126	975.343	966.669	956.067	938.719	920.408
17.5	1037.988	1030.278	1022.568	1011.003	1003.292	996.546	986.908	975.343	953.176	931.009
20.0	1060.155	1052.445	1050.518	1041.844	1027.387	1014.858	1002.329	987.872	962.814	937.756
22.5	1075.576	1071.721	1069.793	1059.192	1041.844	1029.314	1017.749	1001.365	979.198	947.393
25.0	1097.743	1084.250	1080.395	1074.612	1060.155	1044.735	1031.242	1012.930	990.763	958.959
27.5	1132.439	1101.598	1094.851	1085.214	1073.648	1054.373	1039.916	1021.604	995.582	960.886

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## CANDELA TABULATION - (Cont.)

30.0	1161.352	1131.475	1108.344	1096.779	1087.141	1071.721	1049.554	1030.278	1000.401	960.886
32.5	1183.519	1156.533	1130.511	1108.344	1098.706	1083.286	1064.010	1040.880	1005.220	963.778
35.0	1197.012	1173.881	1144.968	1125.692	1115.091	1100.634	1074.612	1046.662	1012.930	968.596
37.5	1205.686	1180.628	1159.424	1138.221	1126.656	1114.127	1090.996	1059.192	1020.640	969.560
40.0	1209.541	1186.410	1165.207	1148.823	1138.221	1124.728	1100.634	1062.083	1018.713	965.705
42.5	1210.505	1186.410	1162.316	1151.714	1134.366	1126.656	1109.308	1071.721	1026.423	969.560
45.0	1200.867	1179.664	1156.533	1142.076	1137.258	1132.439	1117.982	1081.358	1033.170	969.560
47.5	1179.664	1165.207	1140.149	1130.511	1134.366	1133.402	1119.910	1086.177	1034.133	967.633
50.0	1144.004	1139.185	1120.873	1119.910	1124.728	1130.511	1127.620	1095.815	1037.988	967.633
52.5	1092.924	1103.525	1102.562	1103.525	1114.127	1121.837	1124.728	1093.888	1035.097	959.922
55.0	1021.604	1054.373	1075.576	1088.105	1096.779	1110.272	1114.127	1090.032	1034.133	951.248
57.5	937.756	993.655	1029.314	1049.554	1064.974	1079.431	1087.141	1064.974	1011.003	929.082
60.0	846.197	917.516	964.741	994.618	1016.785	1037.988	1047.626	1027.387	975.343	899.205
62.5	754.638	833.668	892.458	932.937	967.633	988.836	1002.329	985.944	936.792	860.653
65.0	660.188	744.036	806.682	856.798	902.096	926.190	950.285	937.756	892.458	812.465
67.5	571.520	646.695	715.123	768.131	823.066	852.943	876.074	871.255	826.921	755.602
70.0	481.889	545.498	611.035	670.789	728.616	759.457	786.443	778.732	740.181	674.644
72.5	393.221	448.157	509.838	568.629	621.637	652.477	674.644	662.115	627.419	574.411
75.0	310.336	356.598	416.352	462.613	507.911	532.005	548.389	534.897	503.092	459.722
77.5	234.198	270.822	319.974	357.561	393.221	405.750	418.279	402.859	376.837	344.069
80.0	165.770	191.792	229.379	255.401	281.423	286.242	293.952	282.387	263.111	241.908
82.5	104.088	124.327	147.458	163.842	180.226	191.792	188.900	179.263	171.552	155.168
85.0	53.008	64.573	76.138	84.812	94.450	101.197	99.269	93.486	92.523	82.885
87.5	16.384	20.239	25.058	26.986	30.841	34.696	33.732	30.841	31.805	28.913
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	851.979	851.979	851.979	851.979	851.979	851.979	851.979	851.979	851.979	851.979
2.5	847.161	844.269	842.342	838.487	835.595	833.668	833.668	832.704	830.776	829.813
5.0	850.052	844.269	838.487	830.776	824.994	820.175	817.283	815.356	810.537	806.682
7.5	862.581	852.943	842.342	833.668	824.030	817.283	811.501	802.827	795.117	788.370
10.0	878.965	865.472	851.979	840.414	826.921	815.356	804.754	791.261	779.696	767.167
12.5	891.494	876.074	861.617	845.233	829.813	814.392	798.008	777.769	760.421	743.073
15.0	900.168	880.893	860.653	844.269	826.921	806.682	783.551	760.421	740.181	717.051
17.5	906.915	883.784	860.653	836.559	813.428	789.334	762.348	737.290	710.304	681.391
20.0	908.842	885.712	860.653	830.776	802.827	773.913	740.181	703.558	668.862	630.311
22.5	913.661	885.712	856.798	823.066	789.334	752.710	710.304	664.043	615.854	568.629
25.0	922.335	889.567	852.943	815.356	772.950	726.688	672.717	615.854	559.955	505.983
27.5	924.263	887.639	845.233	802.827	754.638	695.847	631.274	566.701	506.947	452.012
30.0	920.408	882.820	835.595	783.551	729.580	662.115	588.868	516.585	456.831	409.605
32.5	921.371	875.110	826.921	771.022	702.594	623.564	543.571	471.287	417.316	380.692
35.0	918.480	868.364	815.356	749.819	673.681	585.977	500.201	430.809	383.583	356.598
37.5	916.552	863.545	800.899	726.688	638.985	545.498	455.867	391.294	355.634	337.322
40.0	910.770	852.943	783.551	701.630	607.180	502.128	414.424	353.706	325.757	316.119
42.5	909.806	843.305	769.095	673.681	569.593	459.722	373.946	320.938	299.735	295.880
45.0	903.060	833.668	749.819	643.803	529.114	414.424	336.358	290.097	273.713	275.640
47.5	891.494	818.247	728.616	616.818	493.454	376.837	300.699	262.148	250.582	255.401
50.0	887.639	808.609	710.304	590.796	459.722	344.069	271.785	238.053	228.415	234.198
52.5	877.038	793.189	689.101	565.737	430.809	315.155	245.763	212.031	203.357	212.031
55.0	865.472	773.913	666.934	538.752	404.787	291.061	222.633	190.828	184.082	188.900
57.5	839.450	745.964	638.985	507.911	374.909	266.003	201.430	171.552	163.842	163.842
60.0	808.609	711.268	601.397	473.215	344.069	241.908	181.190	154.204	143.603	140.712
62.5	771.022	673.681	563.810	437.555	313.228	219.741	163.842	136.856	125.291	121.436
65.0	730.543	631.274	522.367	399.968	284.314	199.502	145.530	120.472	108.907	104.088

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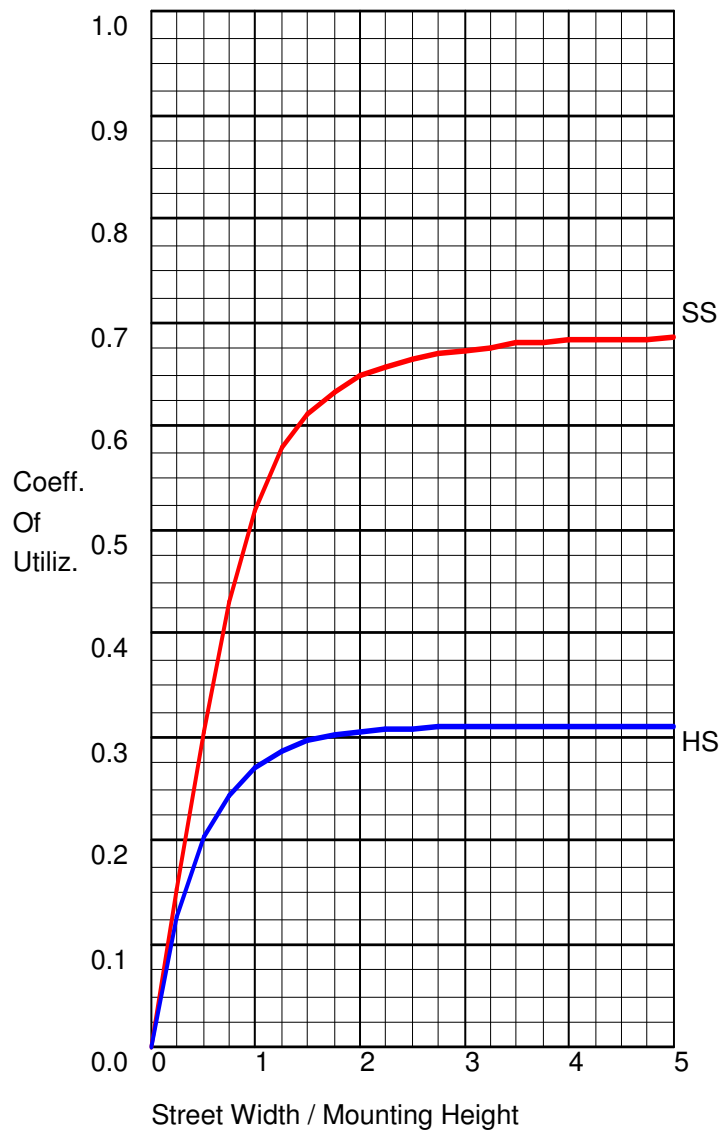
## CANDELA TABULATION - (Cont.)

67.5	672.717	580.194	476.106	362.380	253.474	176.371	127.219	104.088	92.523	85.776
70.0	599.470	515.621	423.098	317.083	220.705	151.313	107.943	86.740	73.247	61.682
72.5	508.875	438.519	359.489	268.894	185.045	124.327	84.812	64.573	49.153	33.732
75.0	408.642	351.779	290.097	216.850	146.494	90.595	52.044	37.587	17.348	6.746
77.5	304.554	269.858	222.633	163.842	101.197	40.479	20.239	6.746	1.928	0.964
80.0	214.922	191.792	158.060	102.160	22.167	7.710	2.891	0.964	0.964	0.000
82.5	138.784	123.364	101.197	43.370	6.746	1.928	0.964	0.964	0.000	0.000
85.0	74.211	66.501	49.153	9.638	1.928	0.964	0.964	0.964	0.000	0.000
87.5	27.950	23.131	6.746	0.964	0.964	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	851.979	851.979	851.979	851.979	851.979	851.979	851.979	851.979
2.5	828.849	829.813	827.885	828.849	830.776	828.849	825.957	823.066
5.0	804.754	802.827	798.972	799.935	801.863	798.972	798.008	795.117
7.5	782.587	777.769	770.058	768.131	768.131	767.167	765.239	766.203
10.0	756.565	748.855	738.254	728.616	724.761	721.869	718.978	720.906
12.5	727.652	715.123	698.739	686.210	678.499	669.825	670.789	672.717
15.0	691.029	669.825	648.622	627.419	616.818	605.252	606.216	608.144
17.5	645.731	613.926	586.941	558.991	541.643	525.259	523.331	525.259
20.0	587.904	548.389	511.766	483.816	463.577	446.229	440.446	440.446
22.5	518.512	479.961	448.157	419.243	402.859	391.294	383.583	381.656
25.0	454.903	423.098	397.076	378.765	367.199	361.417	357.561	356.598
27.5	410.569	387.439	370.091	358.525	351.779	349.851	349.851	348.887
30.0	382.620	366.235	355.634	349.851	350.815	351.779	354.670	352.743
32.5	361.417	353.706	350.815	353.706	359.489	363.344	367.199	367.199
35.0	344.069	345.032	348.887	356.598	363.344	371.054	377.801	378.765
37.5	332.503	337.322	345.032	353.706	361.417	369.127	375.873	376.837
40.0	319.010	325.757	336.358	346.960	356.598	366.235	373.946	373.946
42.5	301.662	312.264	328.648	342.141	354.670	364.308	371.054	372.982
45.0	287.206	301.662	319.010	329.612	341.177	351.779	358.525	361.417
47.5	270.822	284.314	297.807	309.373	316.119	325.757	328.648	330.576
50.0	250.582	260.220	268.894	276.604	278.532	286.242	287.206	287.206
52.5	222.633	230.343	236.126	238.053	239.017	241.908	242.872	240.944
55.0	194.683	199.502	201.430	201.430	200.466	203.357	205.285	201.430
57.5	164.806	166.734	168.661	168.661	169.625	170.589	171.552	170.589
60.0	141.675	140.712	143.603	143.603	144.567	145.530	144.567	144.567
62.5	120.472	120.472	120.472	119.508	117.581	117.581	117.581	117.581
65.0	102.160	99.269	93.486	88.668	87.704	83.849	83.849	83.849
67.5	79.030	71.320	61.682	53.008	42.406	25.058	20.239	19.276
70.0	50.116	35.660	17.348	10.602	7.710	4.819	4.819	4.819
72.5	15.420	6.746	3.855	2.891	1.928	1.928	1.928	1.928
75.0	2.891	1.928	0.964	0.964	0.964	0.964	0.964	0.964
77.5	0.964	0.964	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



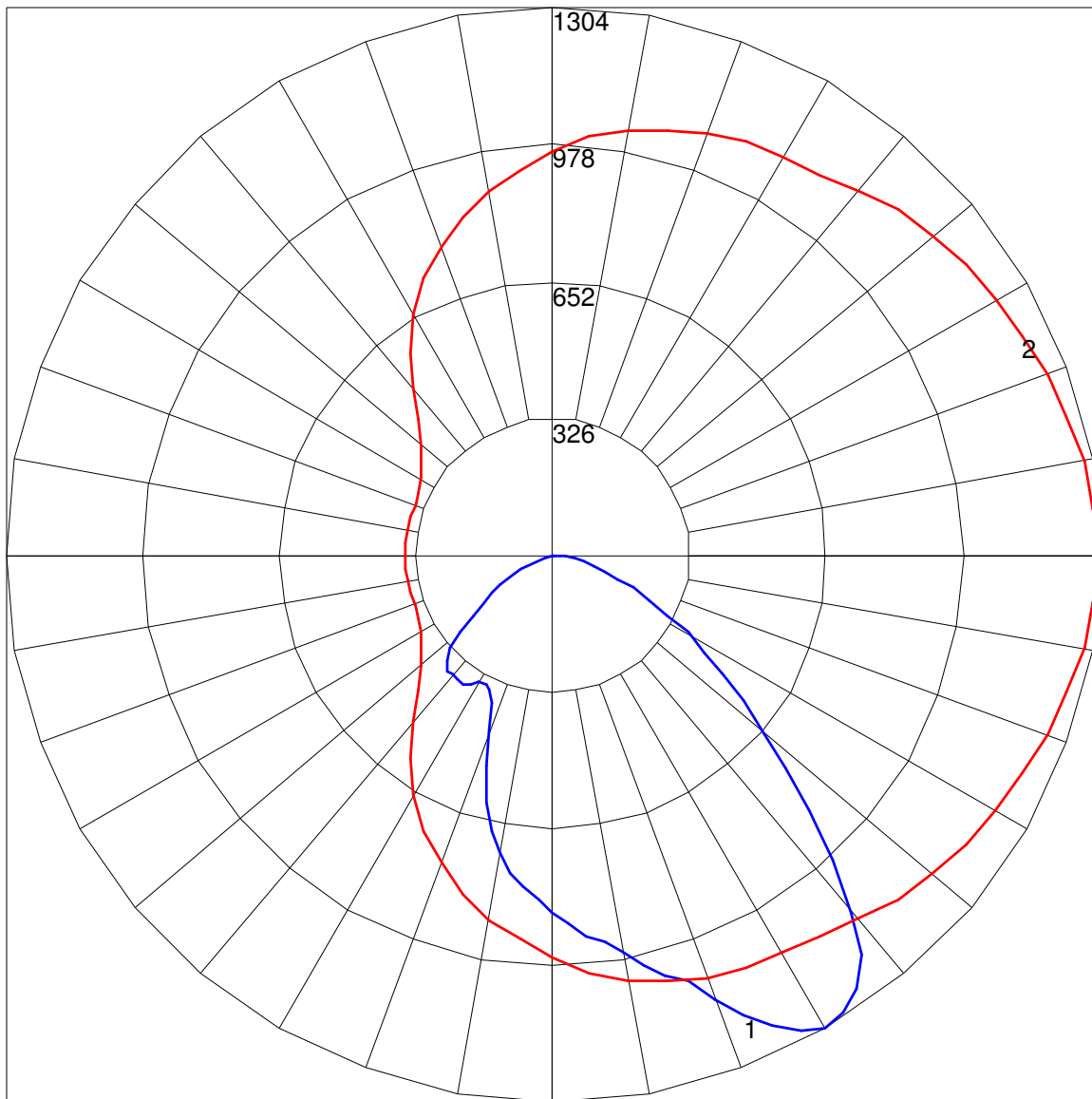
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2135.1	69.0
Downward House Side	957.7	31.0
Downward Total	3092.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3092.8	100.0

# IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-840-T3-XXX-SDGL-DIM-UNV\_.IES

## POLAR GRAPH

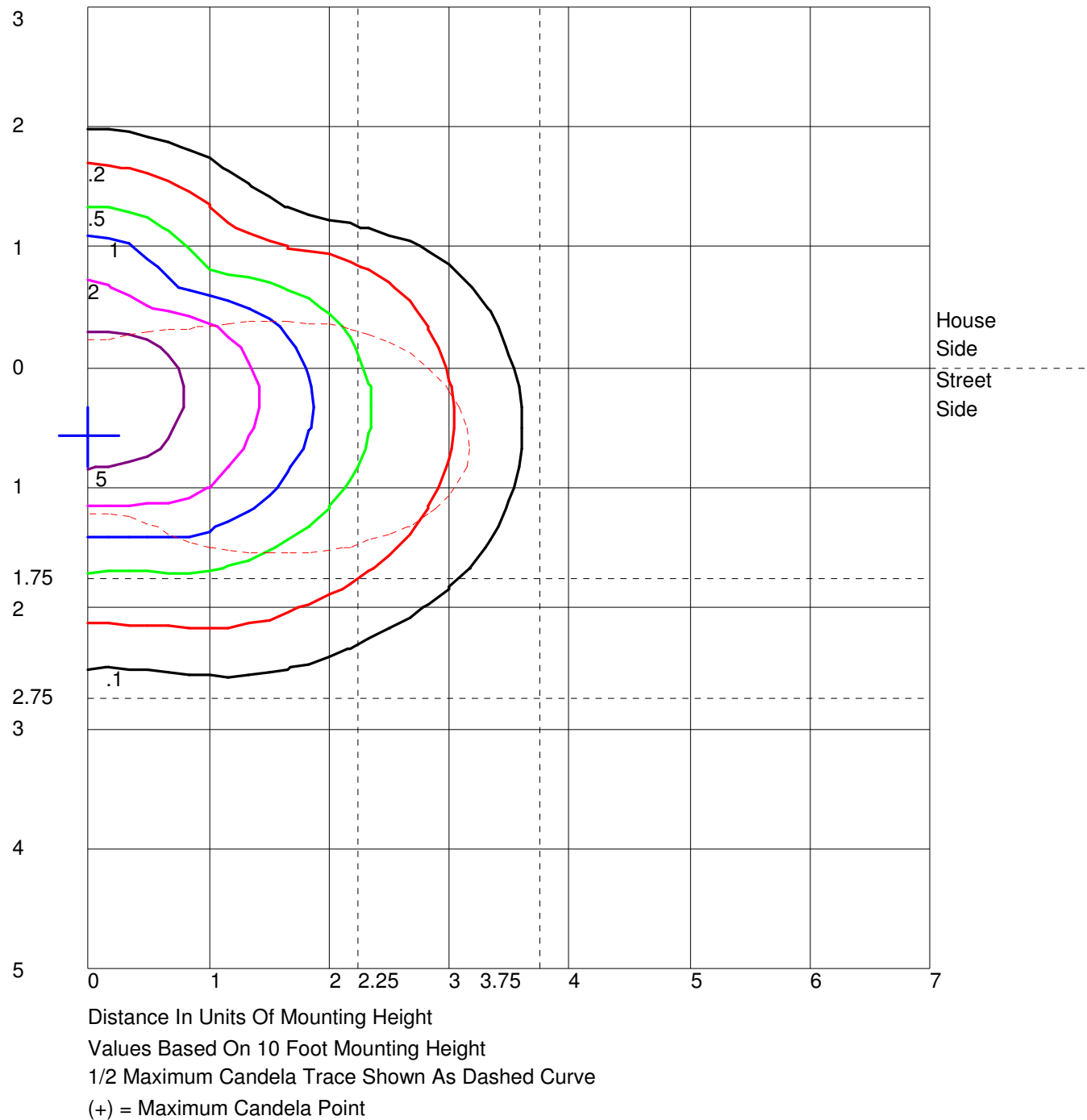


Maximum Candela = 1303.991 Located At Horizontal Angle = 0, Vertical Angle = 30

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

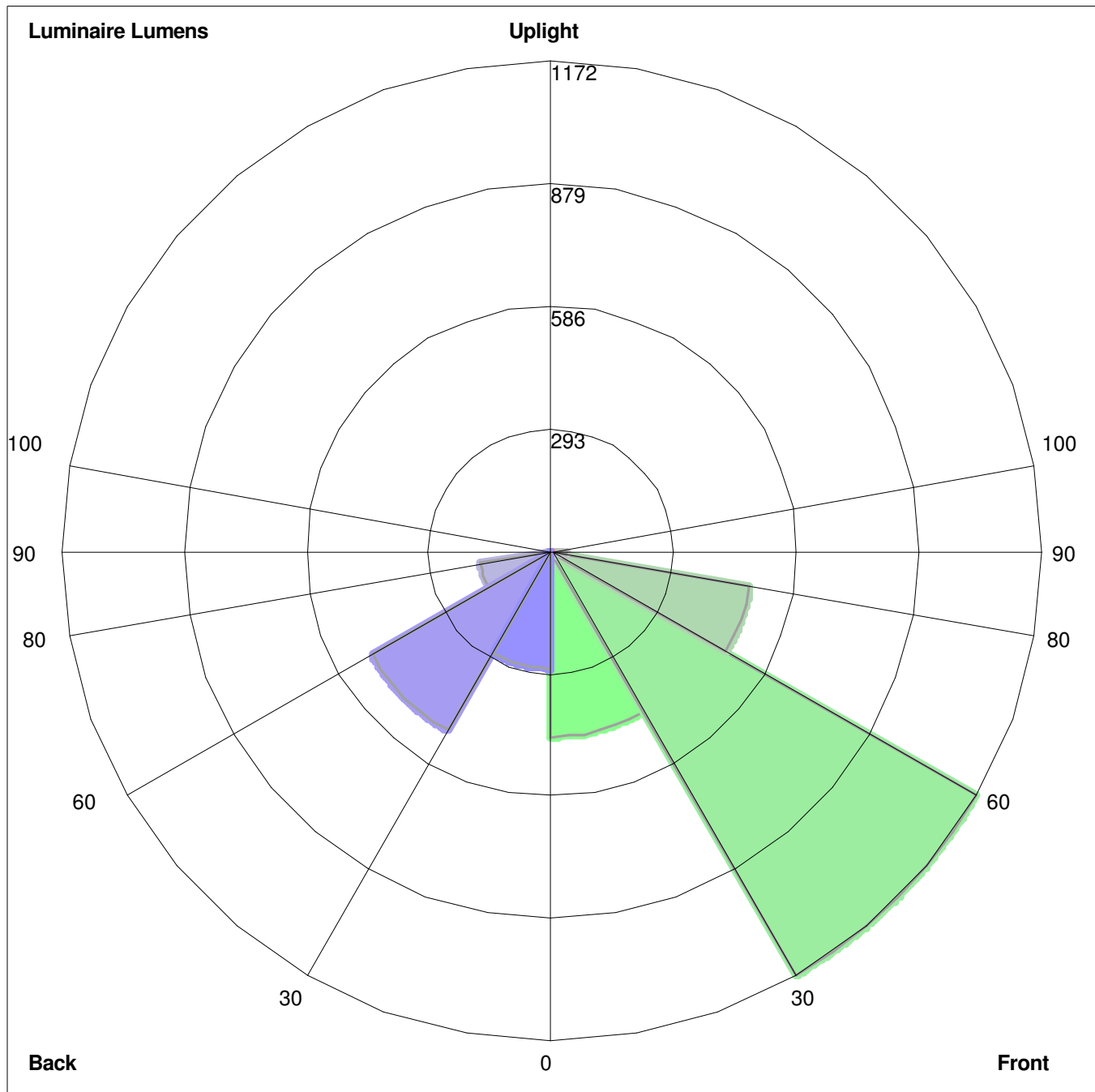
# 2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=443.1, Medium=1171.6, High=483.2, Very High=37.2  
Back: Low=280.3, Medium=496.1, High=172.1, Very High=9.3  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1