



## IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-850-T3-XXX-CGL-DIM-UNV\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM ATAL009827  
[TESTLAB] ATAL-LABS  
[ISSUEDATE] 2024-01-31  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] VWPX-L30-850-T3-xxx-CGL-DIM-UNV  
[LUMINAIRE] CAST ALUMINUM LED WALL PACK  
[MORE] WITH TYPE III DISTRIBUTION AND CLEAR  
[MORE] GLASS LENS  
[LAMPCAT] X8-LUXEON M  
[LAMP] 8 WHITE LEDS  
[\_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	3260
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1347.265
Maximum Candela Angle	0H 35V
Maximum Candela (<90 Degrees Vertical)	1347.265
Maximum Candela Angle (<90 Degrees Vertical)	0H 35V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	419.235 (12.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWPX-L30-850-T3-XXX-CGL-DIM-UNV\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	431.8	N.A.	13.2
FM - Front-Medium (30-60)	1211.8	N.A.	37.2
FH - Front-High (60-80)	624.9	N.A.	19.2
FVH - Front-Very High (80-90)	26.1	N.A.	0.8
BL - Back-Low (0-30)	273.8	N.A.	8.4
BM - Back-Medium (30-60)	481.0	N.A.	14.8
BH - Back-High (60-80)	205.9	N.A.	6.3
BVH - Back-Very High (80-90)	4.7	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	3260.0	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>15.0</b></u>	<u><b>25.0</b></u>	<u><b>35.0</b></u>	<u><b>45.0</b></u>	<u><b>55.0</b></u>	<u><b>65.0</b></u>	<u><b>75.0</b></u>
<b>0.0</b>	836.821	836.821	836.821	836.821	836.821	836.821	836.821	836.821	836.821	836.821
<b>2.5</b>	863.744	866.491	870.887	867.590	867.041	862.645	858.250	852.206	851.107	843.964
<b>5.0</b>	887.920	891.217	895.063	892.865	892.316	889.019	884.623	879.678	878.030	865.942
<b>7.5</b>	907.151	910.448	912.646	910.997	909.898	910.997	908.800	906.602	906.602	892.865
<b>10.0</b>	940.668	943.415	944.514	941.767	938.470	937.921	934.074	931.877	935.173	920.888
<b>12.5</b>	976.383	978.031	978.031	978.031	977.481	977.481	968.690	959.899	962.097	946.712
<b>15.0</b>	983.525	985.174	985.723	991.218	1000.559	1011.548	1007.152	993.416	987.372	967.591
<b>17.5</b>	987.372	986.822	987.372	989.570	1000.559	1022.537	1032.976	1026.383	1009.899	984.624
<b>20.0</b>	1036.273	1036.273	1036.273	1023.086	1013.746	1020.339	1039.570	1050.010	1031.328	999.460
<b>22.5</b>	1135.175	1129.681	1124.736	1091.768	1056.603	1031.878	1032.976	1059.350	1048.361	1015.394
<b>25.0</b>	1226.934	1221.440	1213.198	1163.197	1108.801	1060.999	1031.878	1054.405	1061.548	1025.834
<b>27.5</b>	1286.276	1283.528	1276.385	1216.495	1150.560	1096.164	1046.713	1046.713	1069.241	1034.075
<b>30.0</b>	1328.584	1324.188	1314.298	1251.110	1181.330	1126.933	1070.889	1048.911	1074.186	1040.119
<b>32.5</b>	1346.166	1340.672	1326.935	1271.990	1210.451	1155.505	1097.263	1060.999	1075.285	1045.065
<b>35.0</b>	1347.265	1342.320	1329.683	1282.429	1234.627	1185.725	1123.637	1075.834	1078.581	1054.955
<b>37.5</b>	1328.034	1326.935	1314.847	1282.429	1260.451	1217.044	1148.912	1081.329	1082.977	1064.295
<b>40.0</b>	1251.110	1243.418	1235.176	1246.165	1269.792	1252.209	1174.736	1084.076	1087.922	1081.329
<b>42.5</b>	1068.691	1058.801	1053.856	1116.494	1246.165	1290.122	1205.506	1089.021	1088.472	1106.054
<b>45.0</b>	862.645	852.206	850.557	913.195	1142.318	1310.452	1234.077	1097.263	1090.669	1129.681
<b>47.5</b>	722.534	715.941	715.941	765.392	936.822	1297.265	1263.748	1106.604	1092.318	1153.857
<b>50.0</b>	643.412	637.918	637.918	683.523	821.436	1232.429	1297.265	1115.395	1097.812	1173.637
<b>52.5</b>	577.478	572.533	573.632	618.138	776.930	1063.746	1302.759	1139.021	1119.241	1193.418
<b>55.0</b>	521.433	518.137	521.983	564.291	745.611	984.075	1248.913	1188.472	1139.571	1217.594
<b>57.5</b>	484.620	483.521	485.169	525.280	716.490	936.822	1116.494	1241.770	1164.296	1221.440
<b>60.0</b>	435.169	432.971	430.773	468.136	669.786	871.437	995.064	1263.748	1167.044	1211.000
<b>62.5</b>	350.553	347.805	345.608	382.971	583.522	780.776	876.382	1229.132	1142.318	1198.363
<b>65.0</b>	238.464	236.815	234.618	280.772	470.334	664.292	744.512	1141.769	1127.483	1215.396
<b>67.5</b>	129.122	129.672	134.617	172.529	348.355	545.609	627.478	985.174	1141.219	1234.077
<b>70.0</b>	93.407	93.957	96.155	129.672	258.244	425.279	514.840	835.722	1178.582	1243.418
<b>72.5</b>	71.429	71.429	74.177	98.902	198.903	319.783	400.004	691.215	1154.956	1175.285
<b>75.0</b>	54.946	54.396	56.044	73.627	150.001	221.431	287.365	514.290	1029.130	995.614
<b>77.5</b>	38.462	37.912	39.561	50.000	106.594	146.155	192.859	332.970	819.788	711.545
<b>80.0</b>	23.077	22.528	23.627	29.671	67.034	92.858	112.089	221.431	419.235	332.970
<b>82.5</b>	12.088	11.539	12.088	14.286	34.066	51.099	53.297	145.056	151.100	121.979
<b>85.0</b>	5.495	4.945	5.495	6.593	13.736	23.077	22.528	64.286	47.253	47.253
<b>87.5</b>	1.648	1.648	1.648	2.198	3.846	5.495	7.143	14.286	12.637	14.286
<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>85.0</b></u>	<u><b>90.0</b></u>	<u><b>95.0</b></u>	<u><b>105.0</b></u>	<u><b>115.0</b></u>	<u><b>125.0</b></u>	<u><b>135.0</b></u>	<u><b>145.0</b></u>	<u><b>155.0</b></u>	<u><b>165.0</b></u>
<b>0.0</b>	836.821	836.821	836.821	836.821	836.821	836.821	836.821	836.821	836.821	836.821
<b>2.5</b>	838.469	835.172	832.975	828.579	826.381	819.238	815.392	813.194	811.546	808.249
<b>5.0</b>	856.052	849.458	843.964	831.876	821.436	802.755	790.117	779.128	770.886	763.743
<b>7.5</b>	880.228	870.887	861.546	840.667	821.436	793.963	772.535	754.952	740.666	731.325
<b>10.0</b>	904.404	892.865	880.228	850.557	823.634	790.667	763.743	742.864	725.281	713.743
<b>12.5</b>	924.734	909.898	895.063	857.700	825.832	789.018	762.644	736.820	710.996	687.918
<b>15.0</b>	941.217	923.635	903.305	859.898	822.535	787.919	759.897	719.787	677.479	639.566
<b>17.5</b>	953.855	932.426	907.151	856.052	815.392	782.425	743.413	682.973	619.236	553.302
<b>20.0</b>	962.646	937.371	907.151	847.810	806.051	769.787	710.996	620.885	509.345	393.410
<b>22.5</b>	970.339	941.217	908.250	841.216	798.908	746.710	660.995	515.389	351.102	280.222
<b>25.0</b>	979.679	946.712	909.349	837.920	789.568	714.292	582.423	365.388	282.420	273.079
<b>27.5</b>	985.174	950.009	909.898	836.271	779.128	671.435	473.081	297.255	285.717	299.453

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PHOTOMETRIC FILENAME : VWPX-L30-850-T3-XXX-CGL-DIM-UNV\_.IES

## CANDELA TABULATION - (Cont.)

30.0	988.471	951.108	906.052	831.876	763.743	614.841	358.245	292.310	310.992	330.223
32.5	990.119	948.360	898.909	824.183	742.314	541.763	315.388	307.695	335.717	352.201
35.0	987.921	941.767	888.470	815.942	715.391	465.938	314.838	320.333	341.761	341.761
37.5	989.020	936.272	878.030	803.854	680.226	389.564	311.541	319.234	322.530	324.728
40.0	994.515	935.723	871.437	788.469	632.973	327.476	298.354	299.453	303.299	328.574
42.5	1003.855	937.371	866.491	768.688	579.676	280.222	267.035	282.420	318.135	395.608
45.0	1018.141	942.316	864.843	750.556	515.389	238.464	234.068	267.035	375.828	434.619
47.5	1037.372	954.954	871.437	736.820	457.697	196.705	201.650	312.091	399.454	448.356
50.0	1061.548	969.240	879.129	726.380	413.740	163.738	182.969	334.618	356.047	331.322
52.5	1079.131	981.328	887.371	723.633	393.960	143.957	189.013	249.453	187.914	171.430
55.0	1111.549	1005.504	906.602	729.128	384.619	129.672	146.705	143.408	126.375	121.430
57.5	1153.307	1034.075	919.789	723.084	362.091	120.331	110.990	112.089	109.342	103.298
60.0	1161.000	1050.010	935.723	709.347	332.970	110.990	97.254	96.704	97.803	95.056
62.5	1176.384	1050.010	929.679	670.885	306.596	101.100	88.462	83.517	87.363	84.067
65.0	1212.648	1068.691	928.030	638.467	275.827	90.660	77.473	71.429	66.484	70.330
67.5	1267.045	1103.307	956.053	648.907	248.903	81.319	60.990	48.902	41.209	37.363
70.0	1290.671	1112.648	962.646	668.138	223.628	69.231	41.209	23.077	10.440	2.198
72.5	1211.550	1034.075	890.118	630.775	193.958	51.649	20.879	4.396	1.648	1.648
75.0	963.745	818.689	700.556	532.972	139.012	30.220	3.846	1.648	1.099	1.099
77.5	551.653	465.938	391.762	373.630	67.583	8.791	1.099	1.099	0.549	0.549
80.0	203.299	170.331	129.672	153.848	21.978	1.648	0.549	0.549	0.549	0.549
82.5	73.627	59.891	47.803	41.209	6.044	0.549	0.549	0.549	0.549	0.000
85.0	28.022	24.176	19.780	11.539	1.099	0.549	0.549	0.549	0.549	0.549
87.5	8.242	7.692	6.593	1.648	0.549	0.549	0.549	0.549	0.549	0.549
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

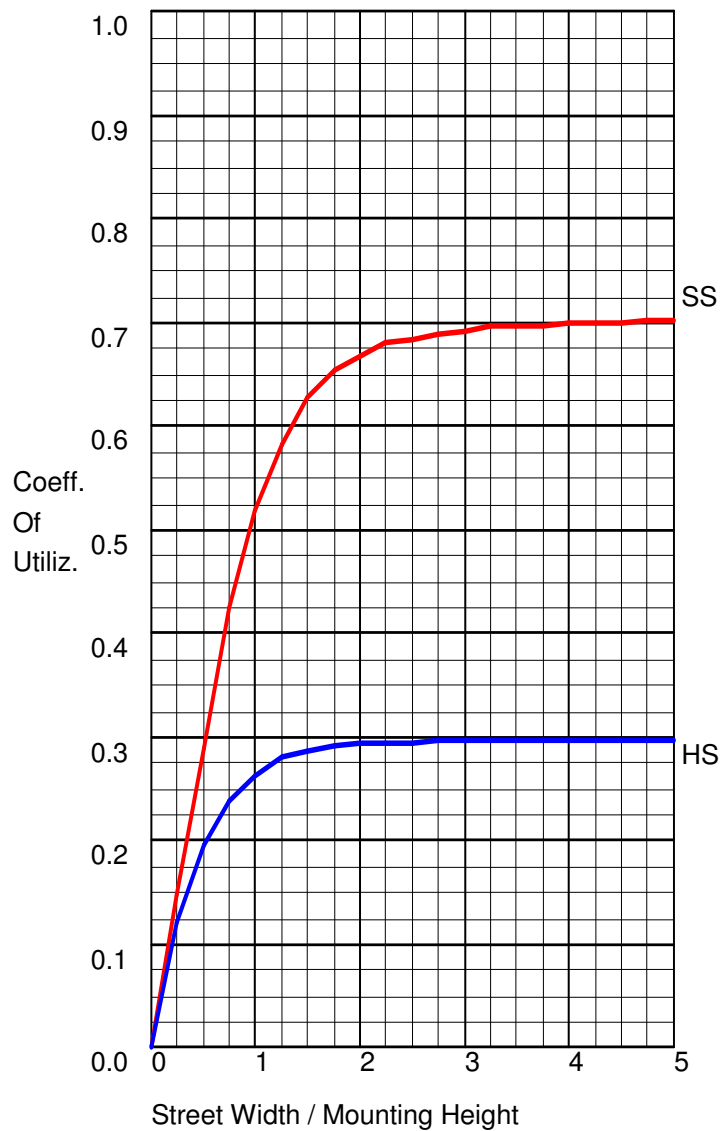
## Vert. Horizontal Angles

	<u>175.0</u>	<u>180.0</u>
0.0	836.821	836.821
2.5	812.095	810.996
5.0	765.941	765.941
7.5	730.776	735.721
10.0	710.996	717.040
12.5	679.127	686.270
15.0	623.083	623.083
17.5	521.433	513.192
20.0	347.256	335.717
22.5	267.035	267.585
25.0	274.728	274.728
27.5	304.948	304.948
30.0	336.267	336.267
32.5	355.498	355.498
35.0	340.662	339.564
37.5	326.377	325.827
40.0	364.839	363.740
42.5	424.180	423.630
45.0	457.697	457.147
47.5	461.543	465.389
50.0	303.299	313.190
52.5	169.232	174.177
55.0	119.232	120.880
57.5	100.550	100.550
60.0	93.407	92.858
62.5	88.462	89.012
65.0	82.968	85.166

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWPX-L30-850-T3-XXX-CGL-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

<b>67.5</b>	24.176	16.484
<b>70.0</b>	1.648	1.648
<b>72.5</b>	1.648	1.648
<b>75.0</b>	1.099	1.099
<b>77.5</b>	0.549	0.000
<b>80.0</b>	0.000	0.000
<b>82.5</b>	0.000	0.000
<b>85.0</b>	0.000	0.549
<b>87.5</b>	0.549	0.000
<b>90.0</b>	0.000	0.000

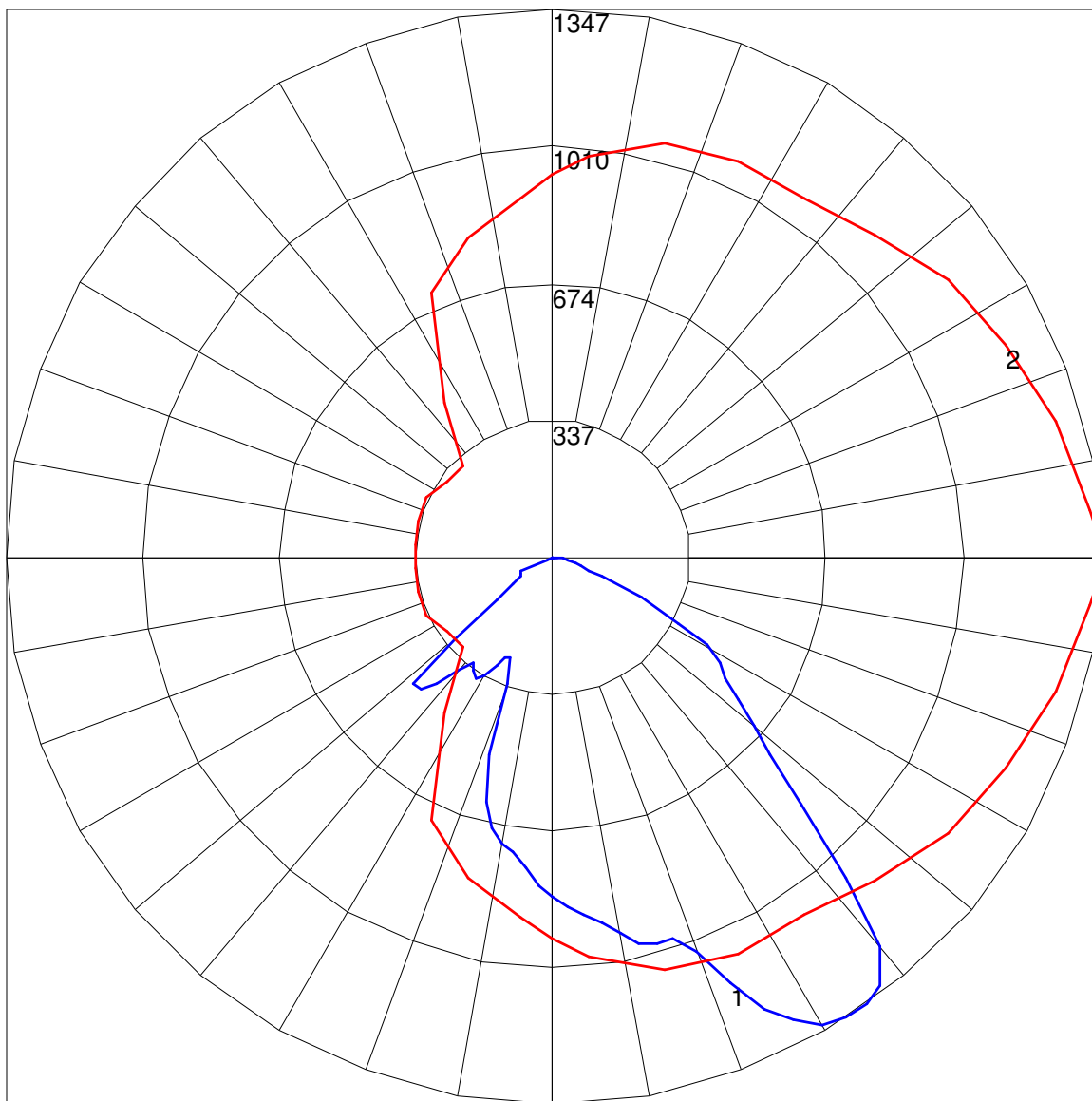
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

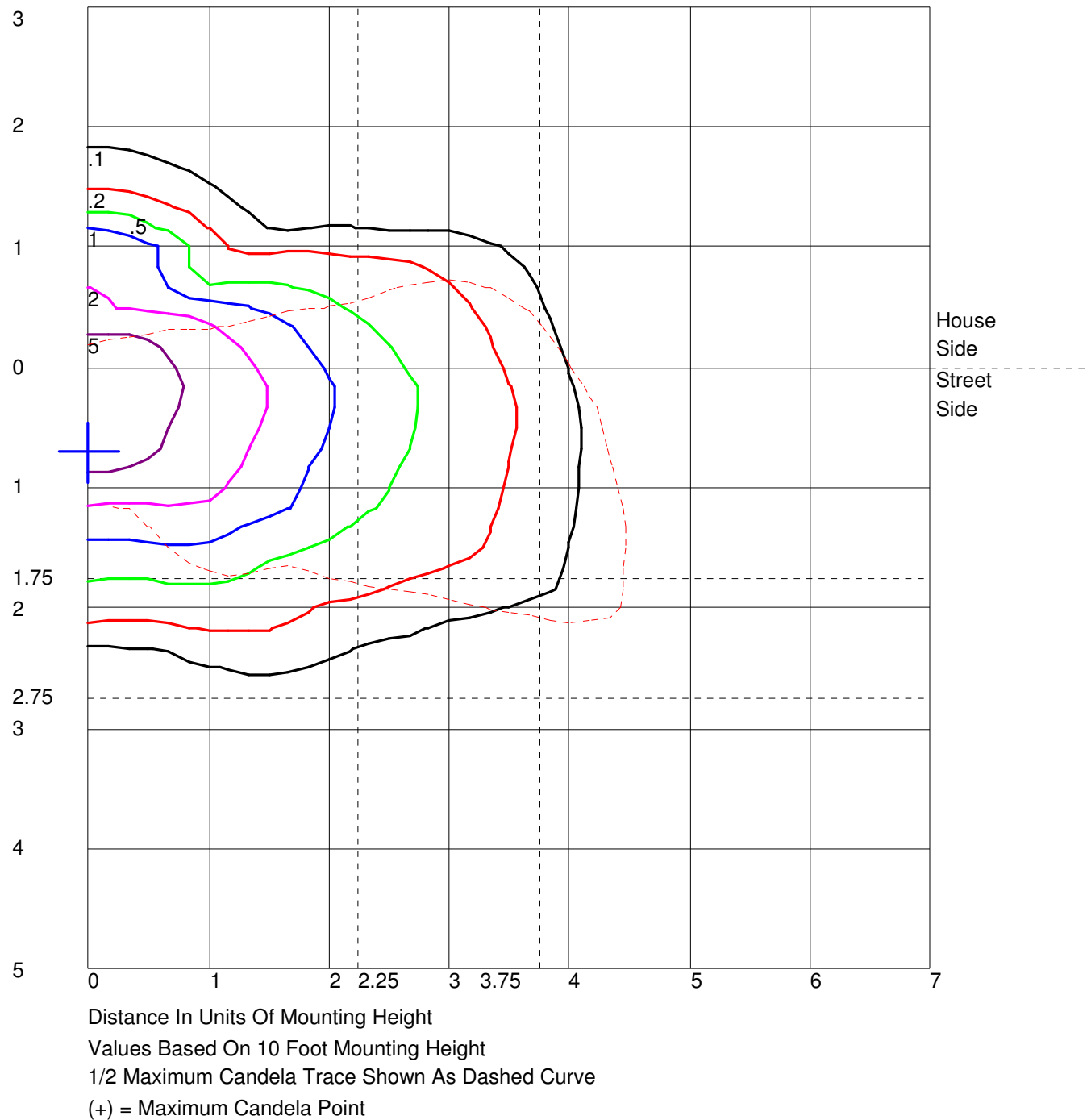
	Lumens	Percent Of Luminaire
Downward Street Side	2294.6	70.4
Downward House Side	965.3	29.6
Downward Total	3259.9	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3259.9	100.0

POLAR GRAPH



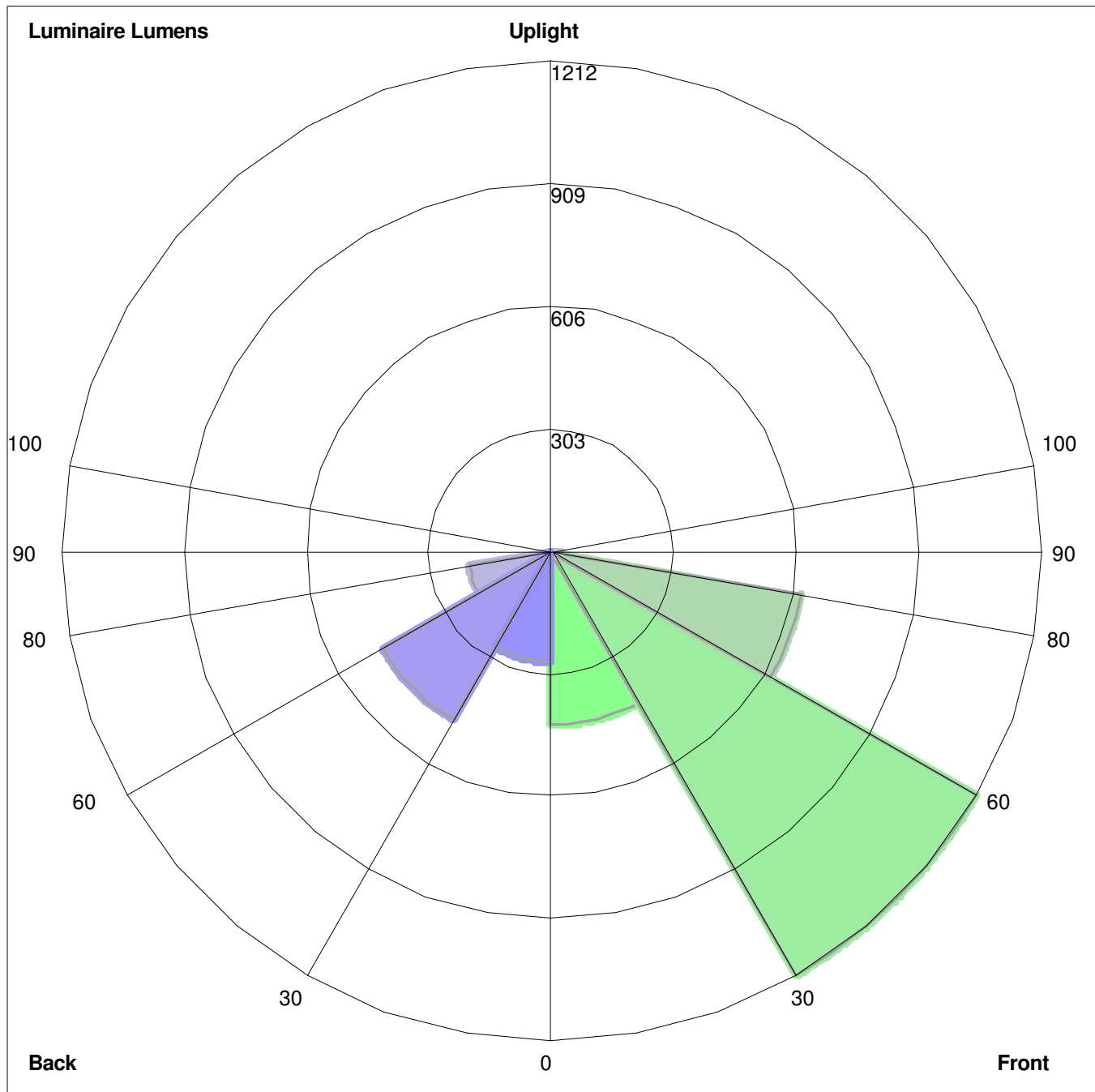
Maximum Candela = 1347.265 Located At Horizontal Angle = 0, Vertical Angle = 35  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=431.8, Medium=1211.8, High=624.9, Very High=26.1  
Back: Low=273.8, Medium=481.0, High=205.9, Very High=4.7  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1