



## IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-740-T3-XXX-SDGL-DIM-UNV\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM ATAL009419  
[TESTLAB] ATAL-LABS  
[ISSUEDATE] 2024-01-31  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] VWPX-L30-740-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	3399
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1432.957
Maximum Candela Angle	0H 30V
Maximum Candela (<90 Degrees Vertical)	1432.957
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	323.024 (9.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWPX-L30-740-T3-XXX-SDGL-DIM-UNV\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	487.0	N.A.	14.3
FM - Front-Medium (30-60)	1287.4	N.A.	37.9
FH - Front-High (60-80)	531.0	N.A.	15.6
FVH - Front-Very High (80-90)	40.9	N.A.	1.2
BL - Back-Low (0-30)	308.0	N.A.	9.1
BM - Back-Medium (30-60)	545.2	N.A.	16.0
BH - Back-High (60-80)	189.1	N.A.	5.6
BVH - Back-Very High (80-90)	10.2	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	3398.8	N.A.	100.0
BUG Rating	B1-U0-G1		

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## 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	936.241	936.241	936.241	936.241	936.241	936.241	936.241	936.241	936.241	936.241
2.5	963.777	965.896	963.777	970.132	969.073	968.014	965.896	961.659	959.541	958.482
5.0	1004.023	1004.023	1004.023	1008.259	1007.200	1005.082	1001.905	997.668	993.432	990.255
7.5	1020.969	1020.969	1020.969	1024.146	1022.028	1018.850	1015.673	1015.673	1015.673	1014.614
10.0	1055.919	1055.919	1054.860	1054.860	1050.623	1047.446	1044.269	1043.210	1040.032	1037.914
12.5	1099.342	1101.460	1098.283	1097.223	1092.987	1091.928	1087.692	1084.514	1079.219	1073.923
15.0	1139.587	1141.705	1138.528	1134.292	1130.055	1127.937	1124.760	1126.878	1124.760	1115.228
17.5	1173.478	1175.597	1172.419	1166.065	1157.592	1152.296	1151.237	1155.474	1154.415	1150.178
20.0	1239.142	1238.083	1231.729	1223.256	1213.724	1199.956	1189.365	1183.010	1176.656	1172.419
22.5	1309.043	1309.043	1301.629	1289.979	1276.211	1263.502	1250.792	1228.551	1210.547	1195.719
25.0	1363.057	1364.116	1355.643	1342.934	1328.106	1310.102	1295.274	1274.092	1256.088	1227.492
27.5	1408.598	1408.598	1401.184	1385.298	1365.175	1350.347	1331.284	1310.102	1287.861	1271.974
30.0	1432.957	1430.839	1422.366	1412.834	1392.711	1377.884	1355.643	1338.697	1322.811	1300.570
32.5	1421.307	1421.307	1414.952	1406.479	1399.066	1388.475	1373.647	1359.879	1346.111	1322.811
35.0	1384.238	1382.120	1375.766	1373.647	1372.588	1373.647	1369.411	1370.470	1357.761	1339.756
37.5	1324.929	1321.752	1316.456	1319.634	1322.811	1330.225	1345.052	1355.643	1359.879	1346.111
40.0	1220.079	1219.019	1222.197	1228.551	1244.438	1265.620	1300.570	1332.343	1352.466	1350.347
42.5	1088.751	1092.987	1095.105	1106.755	1141.705	1172.419	1233.847	1293.156	1328.106	1338.697
45.0	946.832	955.305	962.718	982.841	1018.850	1063.332	1142.765	1227.492	1287.861	1318.574
47.5	826.095	830.331	838.804	861.045	898.113	953.186	1040.032	1140.646	1223.256	1281.506
50.0	726.540	730.776	732.894	755.135	795.381	852.572	943.655	1044.269	1141.705	1224.315
52.5	630.162	634.398	636.517	660.876	700.062	759.372	851.513	954.245	1055.919	1148.060
55.0	546.494	552.848	554.966	576.148	615.335	671.467	766.785	871.636	966.955	1056.978
57.5	473.416	477.652	479.770	497.775	533.784	592.035	678.881	782.672	873.754	959.541
60.0	406.693	407.752	408.811	425.757	458.589	513.662	596.271	690.531	774.199	852.572
62.5	342.088	342.088	345.265	362.211	388.688	446.939	517.898	600.507	675.703	751.958
65.0	280.660	280.660	283.838	303.961	328.320	381.275	443.761	513.662	579.326	649.226
67.5	228.765	227.706	229.824	248.888	273.247	318.788	372.802	437.407	493.539	552.848
70.0	183.224	182.165	185.342	200.169	219.233	260.538	308.197	359.034	411.988	461.766
72.5	145.096	144.037	146.155	158.864	176.869	208.642	247.828	294.429	335.733	375.979
75.0	112.264	111.205	112.264	122.855	136.623	162.042	195.933	229.824	263.715	296.547
77.5	82.609	81.550	82.609	91.082	100.614	120.737	147.214	171.574	196.992	225.587
80.0	57.191	56.132	57.191	62.487	69.900	83.669	102.732	120.737	138.742	158.864
82.5	34.950	34.950	34.950	39.187	43.423	51.896	63.546	76.255	86.846	99.555
85.0	18.005	16.946	16.946	19.064	22.241	26.477	32.832	38.127	44.482	50.837
87.5	5.295	5.295	5.295	6.355	6.355	7.414	9.532	11.650	13.768	15.886
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	936.241	936.241	936.241	936.241	936.241	936.241	936.241	936.241	936.241	936.241
2.5	959.541	956.364	951.068	947.891	947.891	946.832	942.595	940.477	937.300	934.123
5.0	989.196	983.900	976.486	970.132	966.955	964.836	957.423	952.127	946.832	940.477
7.5	1015.673	1012.496	1008.259	1000.846	996.609	992.373	983.900	975.427	968.014	957.423
10.0	1035.796	1035.796	1032.619	1029.441	1026.264	1020.969	1013.555	1004.023	991.314	978.605
12.5	1070.746	1068.628	1065.451	1061.214	1054.860	1049.564	1040.032	1029.441	1012.496	996.609
15.0	1106.755	1101.460	1094.046	1085.573	1078.160	1071.805	1062.273	1050.623	1031.559	1011.437
17.5	1140.646	1132.174	1123.701	1110.992	1102.519	1095.105	1084.514	1071.805	1047.446	1023.087
20.0	1165.006	1156.533	1154.415	1144.883	1128.996	1115.228	1101.460	1085.573	1058.037	1030.500
22.5	1181.951	1177.715	1175.597	1163.946	1144.883	1131.115	1118.405	1100.401	1076.042	1041.091
25.0	1206.310	1191.483	1187.247	1180.892	1165.006	1148.060	1133.233	1113.110	1088.751	1053.800
27.5	1244.438	1210.547	1203.133	1192.542	1179.833	1158.651	1142.765	1122.642	1094.046	1055.919

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## CANDELA TABULATION - (Cont.)

30.0	1276.211	1243.379	1217.960	1205.251	1194.660	1177.715	1153.356	1132.174	1099.342	1055.919
32.5	1300.570	1270.915	1242.320	1217.960	1207.369	1190.424	1169.242	1143.824	1104.637	1059.096
35.0	1315.397	1289.979	1258.206	1237.024	1225.374	1209.488	1180.892	1150.178	1113.110	1064.391
37.5	1324.929	1297.393	1274.092	1250.792	1238.083	1224.315	1198.897	1163.946	1121.583	1065.451
40.0	1329.165	1303.747	1280.447	1262.442	1250.792	1235.965	1209.488	1167.124	1119.464	1061.214
42.5	1330.225	1303.747	1277.270	1265.620	1246.556	1238.083	1219.019	1177.715	1127.937	1065.451
45.0	1319.634	1296.333	1270.915	1255.029	1249.733	1244.438	1228.551	1188.306	1135.351	1065.451
47.5	1296.333	1280.447	1252.911	1242.320	1246.556	1245.497	1230.670	1193.601	1136.410	1063.332
50.0	1257.147	1251.851	1231.729	1230.670	1235.965	1242.320	1239.142	1204.192	1140.646	1063.332
52.5	1201.015	1212.665	1211.606	1212.665	1224.315	1232.788	1235.965	1202.074	1137.469	1054.860
55.0	1122.642	1158.651	1181.951	1195.719	1205.251	1220.079	1224.315	1197.838	1136.410	1045.328
57.5	1030.500	1091.928	1131.115	1153.356	1170.301	1186.187	1194.660	1170.301	1110.992	1020.969
60.0	929.886	1008.259	1060.155	1092.987	1117.346	1140.646	1151.237	1128.996	1071.805	988.137
62.5	829.272	916.118	980.723	1025.205	1063.332	1086.632	1101.460	1083.455	1029.441	945.773
65.0	725.481	817.622	886.463	941.536	991.314	1017.791	1044.269	1030.500	980.723	892.818
67.5	628.044	710.653	785.849	844.099	904.468	937.300	962.718	957.423	908.704	830.331
70.0	529.548	599.448	671.467	737.131	800.677	834.568	864.222	855.750	813.386	741.367
72.5	432.111	492.480	560.262	624.867	683.117	717.008	741.367	727.599	689.471	631.221
75.0	341.029	391.866	457.529	508.366	558.144	584.621	602.626	587.798	552.848	505.189
77.5	257.360	297.606	351.620	392.925	432.111	445.879	459.648	442.702	414.107	378.097
80.0	182.165	210.760	252.065	280.660	309.256	314.552	323.024	310.315	289.133	265.833
82.5	114.382	136.623	162.042	180.046	198.051	210.760	207.583	196.992	188.519	170.514
85.0	58.250	70.959	83.669	93.200	103.791	111.205	109.087	102.732	101.673	91.082
87.5	18.005	22.241	27.536	29.655	33.891	38.127	37.068	33.891	34.950	31.773
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	936.241	936.241	936.241	936.241	936.241	936.241	936.241	936.241	936.241	936.241
2.5	930.945	927.768	925.650	921.414	918.236	916.118	916.118	915.059	912.941	911.882
5.0	934.123	927.768	921.414	912.941	906.586	901.291	898.113	895.995	890.700	886.463
7.5	947.891	937.300	925.650	916.118	905.527	898.113	891.759	882.227	873.754	866.341
10.0	965.896	951.068	936.241	923.532	908.704	895.995	884.345	869.518	856.809	843.040
12.5	979.664	962.718	946.832	928.827	911.882	894.936	876.931	854.690	835.627	816.563
15.0	989.196	968.014	945.773	927.768	908.704	886.463	861.045	835.627	813.386	787.967
17.5	996.609	971.191	945.773	919.295	893.877	867.400	837.745	810.208	780.554	748.781
20.0	998.728	973.309	945.773	912.941	882.227	850.454	813.386	773.140	735.013	692.649
22.5	1004.023	973.309	941.536	904.468	867.400	827.154	780.554	729.717	676.762	624.867
25.0	1013.555	977.546	937.300	895.995	849.395	798.558	739.249	676.762	615.335	556.025
27.5	1015.673	975.427	928.827	882.227	829.272	764.667	693.708	622.748	557.084	496.716
30.0	1011.437	970.132	918.236	861.045	801.736	727.599	647.108	567.675	502.011	450.116
32.5	1012.496	961.659	908.704	847.277	772.081	685.235	597.330	517.898	458.589	418.343
35.0	1009.318	954.245	895.995	823.977	740.308	643.930	549.671	473.416	421.520	391.866
37.5	1007.200	948.950	880.109	798.558	702.181	599.448	500.952	429.993	390.806	370.684
40.0	1000.846	937.300	861.045	771.022	667.230	551.789	455.411	388.688	357.974	347.383
42.5	999.787	926.709	845.159	740.308	625.926	505.189	410.929	352.679	329.379	325.142
45.0	992.373	916.118	823.977	707.476	581.444	455.411	369.624	318.788	300.783	302.901
47.5	979.664	899.172	800.677	677.821	542.257	414.107	330.438	288.074	275.365	280.660
50.0	975.427	888.582	780.554	649.226	505.189	378.097	298.665	261.597	251.006	257.360
52.5	963.777	871.636	757.254	621.689	473.416	346.324	270.069	233.001	223.469	233.001
55.0	951.068	850.454	732.894	592.035	444.820	319.847	244.651	209.701	202.287	207.583
57.5	922.473	819.740	702.181	558.144	411.988	292.310	221.351	188.519	180.046	180.046
60.0	888.582	781.613	660.876	520.016	378.097	265.833	199.110	169.455	157.805	154.628
62.5	847.277	740.308	619.571	480.830	344.206	241.474	180.046	150.392	137.682	133.446
65.0	802.795	693.708	574.030	439.525	312.433	219.233	159.923	132.387	119.678	114.382

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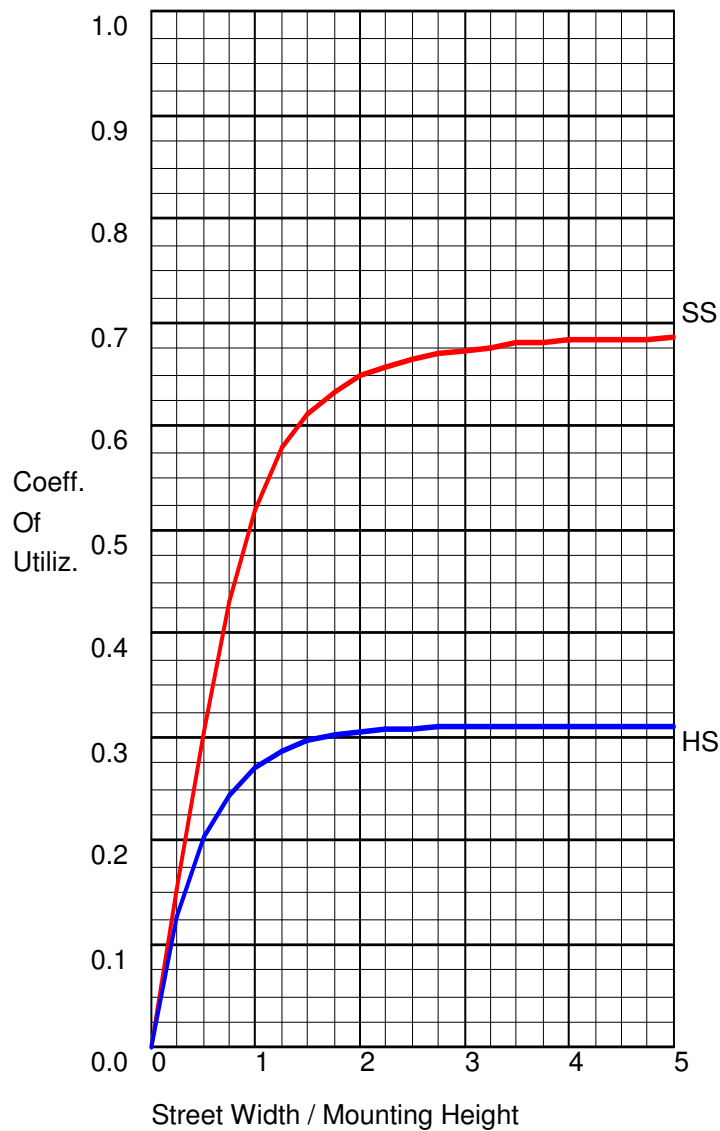
## CANDELA TABULATION - (Cont.)

67.5	739.249	637.576	523.193	398.220	278.542	193.815	139.801	114.382	101.673	94.260
70.0	658.758	566.616	464.943	348.443	242.533	166.278	118.619	95.319	80.491	67.782
72.5	559.203	481.889	395.043	295.488	203.346	136.623	93.200	70.959	54.014	37.068
75.0	449.057	386.570	318.788	238.297	160.983	99.555	57.191	41.305	19.064	7.414
77.5	334.674	296.547	244.651	180.046	111.205	44.482	22.241	7.414	2.118	1.059
80.0	236.178	210.760	173.692	112.264	24.359	8.473	3.177	1.059	1.059	0.000
82.5	152.510	135.564	111.205	47.659	7.414	2.118	1.059	1.059	0.000	0.000
85.0	81.550	73.078	54.014	10.591	2.118	1.059	1.059	1.059	0.000	0.000
87.5	30.714	25.418	7.414	1.059	1.059	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	936.241	936.241	936.241	936.241	936.241	936.241	936.241	936.241
2.5	910.823	911.882	909.763	910.823	912.941	910.823	907.645	904.468
5.0	884.345	882.227	877.991	879.050	881.168	877.991	876.931	873.754
7.5	859.986	854.690	846.218	844.099	844.099	843.040	840.922	841.981
10.0	831.390	822.918	811.268	800.677	796.440	793.263	790.086	792.204
12.5	799.617	785.849	767.845	754.076	745.604	736.072	737.131	739.249
15.0	759.372	736.072	712.772	689.471	677.821	665.112	666.171	668.290
17.5	709.594	674.644	644.989	614.276	595.212	577.207	575.089	577.207
20.0	646.049	602.626	562.380	531.666	509.425	490.361	484.007	484.007
22.5	569.794	527.430	492.480	460.707	442.702	429.993	421.520	419.402
25.0	499.893	464.943	436.348	416.225	403.516	397.161	392.925	391.866
27.5	451.175	425.757	406.693	393.984	386.570	384.452	384.452	383.393
30.0	420.461	402.456	390.806	384.452	385.511	386.570	389.747	387.629
32.5	397.161	388.688	385.511	388.688	395.043	399.279	403.516	403.516
35.0	378.097	379.156	383.393	391.866	399.279	407.752	415.166	416.225
37.5	365.388	370.684	379.156	388.688	397.161	405.634	413.047	414.107
40.0	350.561	357.974	369.624	381.275	391.866	402.456	410.929	410.929
42.5	331.497	343.147	361.152	375.979	389.747	400.338	407.752	409.870
45.0	315.611	331.497	350.561	362.211	374.920	386.570	393.984	397.161
47.5	297.606	312.433	327.261	339.970	347.383	357.974	361.152	363.270
50.0	275.365	285.956	295.488	303.961	306.079	314.552	315.611	315.611
52.5	244.651	253.124	259.479	261.597	262.656	265.833	266.892	264.774
55.0	213.937	219.233	221.351	221.351	220.292	223.469	225.587	221.351
57.5	181.105	183.224	185.342	185.342	186.401	187.460	188.519	187.460
60.0	155.687	154.628	157.805	157.805	158.864	159.923	158.864	158.864
62.5	132.387	132.387	132.387	131.328	129.210	129.210	129.210	129.210
65.0	112.264	109.087	102.732	97.437	96.378	92.141	92.141	92.141
67.5	86.846	78.373	67.782	58.250	46.600	27.536	22.241	21.182
70.0	55.073	39.187	19.064	11.650	8.473	5.295	5.295	5.295
72.5	16.946	7.414	4.236	3.177	2.118	2.118	2.118	2.118
75.0	3.177	2.118	1.059	1.059	1.059	1.059	1.059	1.059
77.5	1.059	1.059	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

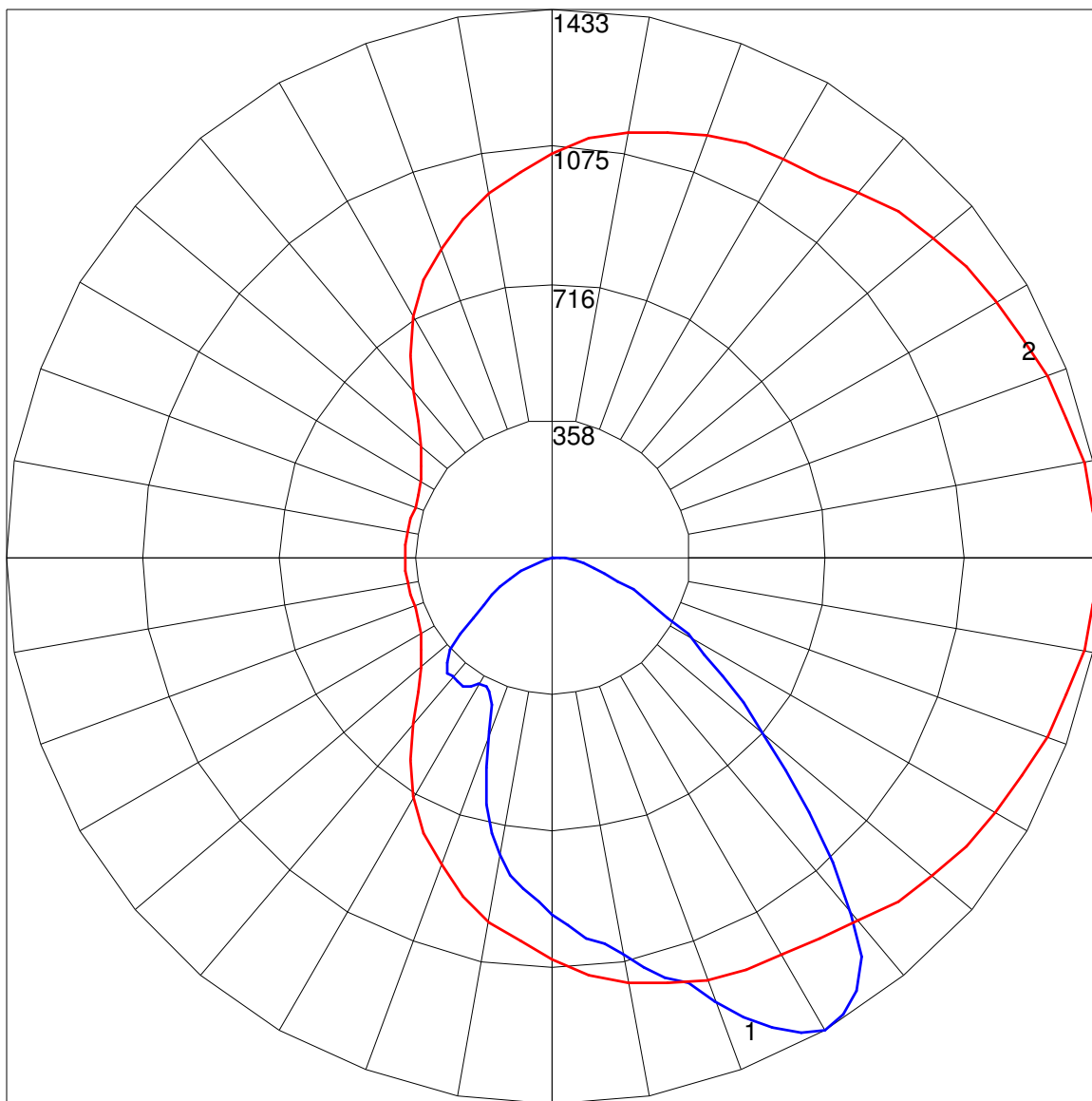
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

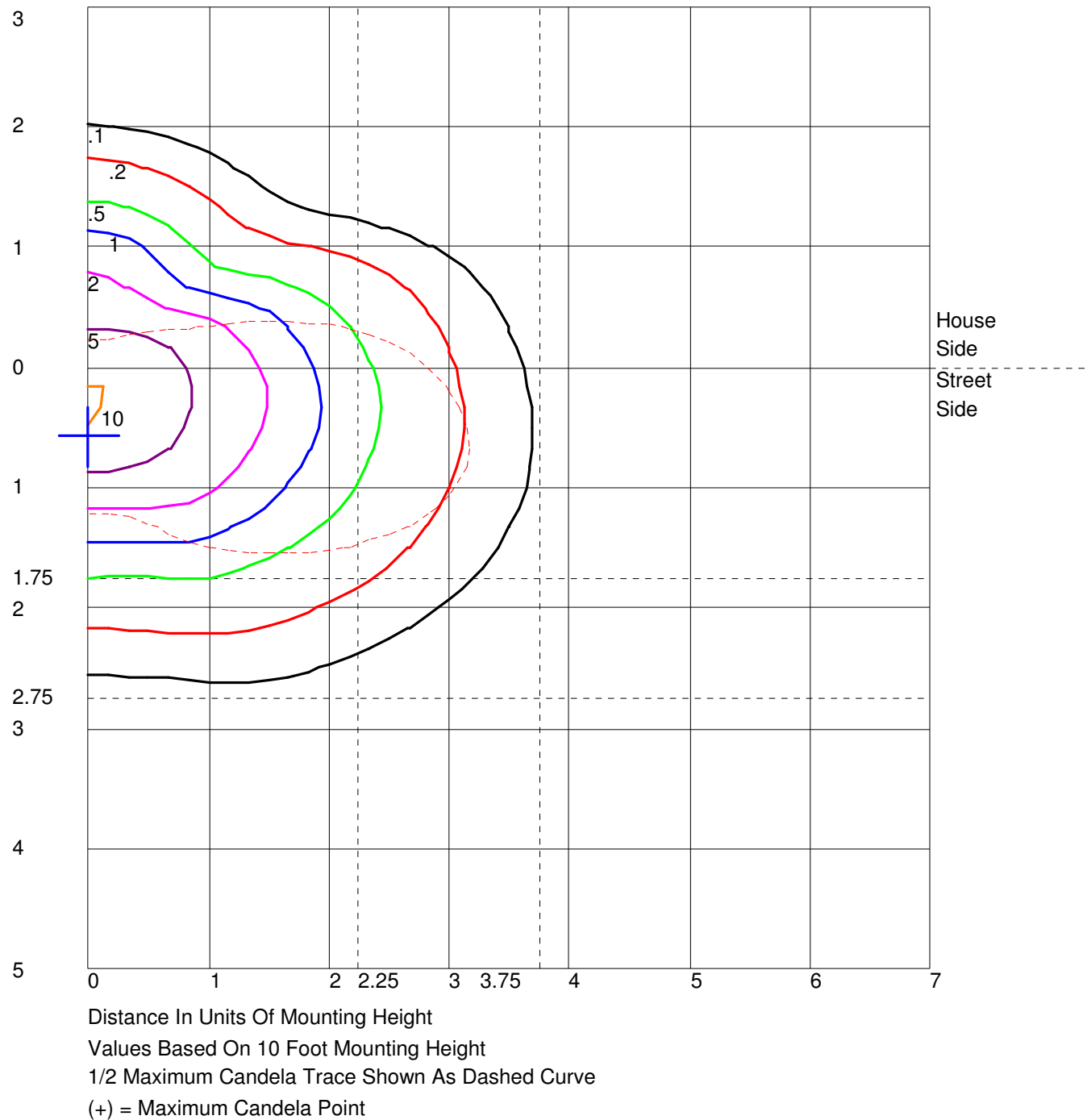
	Lumens	Percent Of Luminaire
Downward Street Side	2346.3	69.0
Downward House Side	1052.5	31.0
Downward Total	3398.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3398.8	100.0

POLAR GRAPH



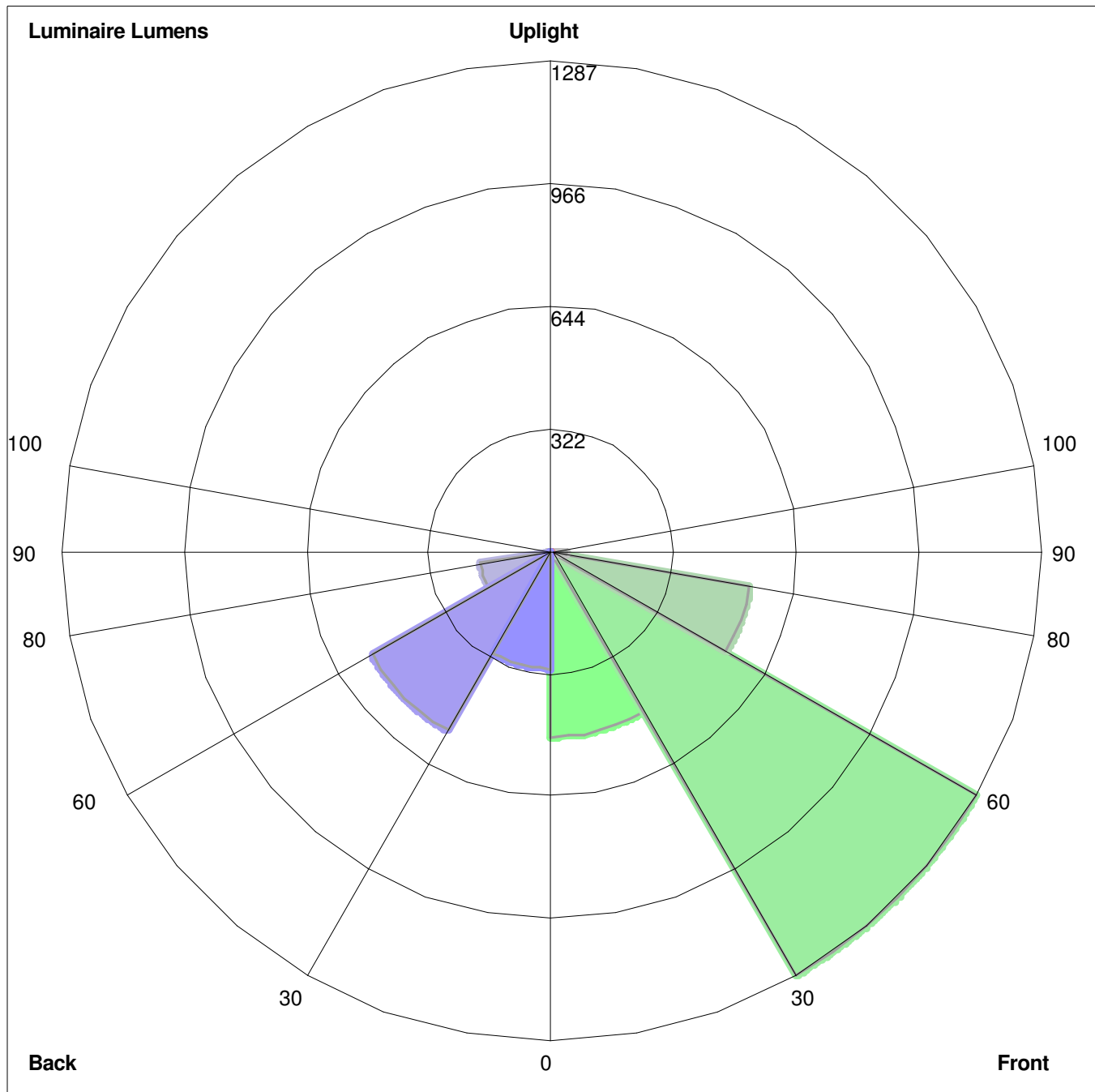
Maximum Candela = 1432.957 Located At Horizontal Angle = 0, Vertical Angle = 30  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=487.0, Medium=1287.4, High=531.0, Very High=40.9  
Back: Low=308.0, Medium=545.2, High=189.1, Very High=10.2  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1