



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-850-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-L30-850-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	3195
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1346.98
Maximum Candela Angle	0H 30V
Maximum Candela (<90 Degrees Vertical)	1346.98
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	303.643 (9.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L30-850-T3-XXX-SDGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	457.7	N.A.	14.3
FM - Front-Medium (30-60)	1210.2	N.A.	37.9
FH - Front-High (60-80)	499.1	N.A.	15.6
FVH - Front-Very High (80-90)	38.5	N.A.	1.2
BL - Back-Low (0-30)	289.6	N.A.	9.1
BM - Back-Medium (30-60)	512.4	N.A.	16.0
BH - Back-High (60-80)	177.7	N.A.	5.6
BVH - Back-Very High (80-90)	9.6	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	3194.8	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	880.067	880.067	880.067	880.067	880.067	880.067	880.067	880.067	880.067	880.067
2.5	905.951	907.942	905.951	911.924	910.929	909.933	907.942	903.960	901.969	900.973
5.0	943.782	943.782	943.782	947.764	946.769	944.777	941.791	937.809	933.826	930.840
7.5	959.711	959.711	959.711	962.697	960.706	957.720	954.733	954.733	954.733	953.737
10.0	992.564	992.564	991.568	991.568	987.586	984.599	981.613	980.617	977.631	975.640
12.5	1033.381	1035.373	1032.386	1031.390	1027.408	1026.413	1022.430	1019.444	1014.466	1009.488
15.0	1071.212	1073.203	1070.217	1066.235	1062.252	1060.261	1057.275	1059.266	1057.275	1048.315
17.5	1103.070	1105.061	1102.074	1096.101	1088.137	1083.159	1082.163	1086.146	1085.150	1081.168
20.0	1164.794	1163.799	1157.825	1149.861	1140.901	1127.959	1118.003	1112.030	1106.057	1102.074
22.5	1230.500	1230.500	1223.532	1212.581	1199.638	1187.692	1175.745	1154.839	1137.914	1123.977
25.0	1281.274	1282.269	1274.305	1262.358	1248.420	1231.496	1217.558	1197.647	1180.723	1153.843
27.5	1324.082	1324.082	1317.113	1302.180	1283.265	1269.327	1251.407	1231.496	1210.589	1195.656
30.0	1346.980	1344.989	1337.024	1328.064	1309.149	1295.211	1274.305	1258.376	1243.443	1222.536
32.5	1336.029	1336.029	1330.055	1322.091	1315.122	1305.167	1291.229	1278.287	1265.345	1243.443
35.0	1301.185	1299.193	1293.220	1291.229	1290.233	1291.229	1287.247	1288.242	1276.296	1259.371
37.5	1245.434	1242.447	1237.469	1240.456	1243.443	1250.411	1264.349	1274.305	1278.287	1265.345
40.0	1146.874	1145.879	1148.865	1154.839	1169.772	1189.683	1222.536	1252.403	1271.318	1269.327
42.5	1023.426	1027.408	1029.399	1040.350	1073.203	1102.074	1159.816	1215.567	1248.420	1258.376
45.0	890.022	897.987	904.955	923.871	957.720	999.533	1074.199	1153.843	1210.589	1239.460
47.5	776.529	780.512	788.476	809.383	844.227	895.995	977.631	1072.208	1149.861	1204.616
50.0	682.948	686.930	688.921	709.828	747.658	801.418	887.036	981.613	1073.203	1150.856
52.5	592.353	596.335	598.326	621.224	658.059	713.810	800.423	896.991	992.564	1079.177
55.0	513.704	519.677	521.668	541.579	578.415	631.179	720.779	819.338	908.938	993.559
57.5	445.011	448.993	450.984	467.909	501.757	556.513	638.148	735.712	821.329	901.969
60.0	382.291	383.287	384.282	400.211	431.073	482.842	560.495	649.099	727.747	801.418
62.5	321.563	321.563	324.549	340.478	365.367	420.122	486.824	564.477	635.161	706.841
65.0	263.821	263.821	266.808	285.723	308.621	358.398	417.136	482.842	544.566	610.272
67.5	215.039	214.043	216.034	233.954	256.852	299.661	350.434	411.162	463.927	519.677
70.0	172.230	171.235	174.221	188.159	206.079	244.905	289.705	337.492	387.269	434.060
72.5	136.390	135.395	137.386	149.333	166.257	196.123	232.959	276.763	315.590	353.420
75.0	105.528	104.533	105.528	115.484	128.426	152.319	184.177	216.034	247.892	278.754
77.5	77.653	76.657	77.653	85.617	94.577	113.493	138.382	161.279	185.172	212.052
80.0	53.760	52.764	53.760	58.737	65.706	78.648	96.568	113.493	130.417	149.333
82.5	32.853	32.853	32.853	36.835	40.818	48.782	59.733	71.680	81.635	93.582
85.0	16.924	15.929	15.929	17.920	20.907	24.889	30.862	35.840	41.813	47.786
87.5	4.978	4.978	4.978	5.973	5.973	6.969	8.960	10.951	12.942	14.933
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	880.067	880.067	880.067	880.067	880.067	880.067	880.067	880.067	880.067	880.067
2.5	901.969	898.982	894.004	891.018	891.018	890.022	886.040	884.049	881.062	878.076
5.0	929.844	924.866	917.898	911.924	908.938	906.947	899.978	895.000	890.022	884.049
7.5	954.733	951.746	947.764	940.795	936.813	932.831	924.866	916.902	909.933	899.978
10.0	973.648	973.648	970.662	967.675	964.688	959.711	952.742	943.782	931.835	919.889
12.5	1006.502	1004.510	1001.524	997.542	991.568	986.591	977.631	967.675	951.746	936.813
15.0	1040.350	1035.373	1028.404	1020.439	1013.470	1007.497	998.537	987.586	969.666	950.751
17.5	1072.208	1064.243	1056.279	1044.332	1036.368	1029.399	1019.444	1007.497	984.599	961.702
20.0	1095.106	1087.141	1085.150	1076.190	1061.257	1048.315	1035.373	1020.439	994.555	968.671
22.5	1111.034	1107.052	1105.061	1094.110	1076.190	1063.248	1051.301	1034.377	1011.479	978.626
25.0	1133.932	1119.994	1116.012	1110.039	1095.106	1079.177	1065.239	1046.324	1023.426	990.573
27.5	1169.772	1137.914	1130.945	1120.990	1109.043	1089.132	1074.199	1055.284	1028.404	992.564

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CANDELA TABULATION - (Cont.)

30.0	1199.638	1168.776	1144.883	1132.936	1122.981	1107.052	1084.155	1064.243	1033.381	992.564
32.5	1222.536	1194.661	1167.781	1144.883	1134.928	1118.999	1099.088	1075.195	1038.359	995.551
35.0	1236.474	1212.581	1182.714	1162.803	1151.852	1136.919	1110.039	1081.168	1046.324	1000.528
37.5	1245.434	1219.549	1197.647	1175.745	1163.799	1150.856	1126.963	1094.110	1054.288	1001.524
40.0	1249.416	1225.523	1203.621	1186.696	1175.745	1161.807	1136.919	1097.097	1052.297	997.542
42.5	1250.411	1225.523	1200.634	1189.683	1171.763	1163.799	1145.879	1107.052	1060.261	1001.524
45.0	1240.456	1218.554	1194.661	1179.727	1174.750	1169.772	1154.839	1117.008	1067.230	1001.524
47.5	1218.554	1203.621	1177.736	1167.781	1171.763	1170.767	1156.830	1121.985	1068.226	999.533
50.0	1181.718	1176.741	1157.825	1156.830	1161.807	1167.781	1164.794	1131.941	1072.208	999.533
52.5	1128.954	1139.905	1138.910	1139.905	1150.856	1158.821	1161.807	1129.950	1069.221	991.568
55.0	1055.284	1089.132	1111.034	1123.977	1132.936	1146.874	1150.856	1125.968	1068.226	982.608
57.5	968.671	1026.413	1063.248	1084.155	1100.083	1115.017	1122.981	1100.083	1044.332	959.711
60.0	874.093	947.764	996.546	1027.408	1050.306	1072.208	1082.163	1061.257	1007.497	928.849
62.5	779.516	861.151	921.880	963.693	999.533	1021.435	1035.373	1018.448	967.675	889.027
65.0	681.952	768.565	833.276	885.044	931.835	956.724	981.613	968.671	921.880	839.249
67.5	590.361	668.014	738.698	793.454	850.200	881.062	904.955	899.978	854.182	780.512
70.0	497.775	563.482	631.179	692.903	752.636	784.494	812.369	804.405	764.583	696.885
72.5	406.185	462.931	526.646	587.375	642.130	673.988	696.885	683.943	648.103	593.348
75.0	320.567	368.354	430.078	477.864	524.655	549.544	566.468	552.531	519.677	474.878
77.5	241.919	279.750	330.523	369.349	406.185	419.127	432.069	416.140	389.260	355.412
80.0	171.235	198.115	236.941	263.821	290.701	295.679	303.643	291.696	271.785	249.883
82.5	107.519	128.426	152.319	169.244	186.168	198.115	195.128	185.172	177.208	160.284
85.0	54.755	66.702	78.648	87.608	97.564	104.533	102.542	96.568	95.573	85.617
87.5	16.924	20.907	25.884	27.875	31.858	35.840	34.844	31.858	32.853	29.867
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	880.067	880.067	880.067	880.067	880.067	880.067	880.067	880.067	880.067	880.067
2.5	875.089	872.102	870.111	866.129	863.142	861.151	861.151	860.156	858.165	857.169
5.0	878.076	872.102	866.129	858.165	852.191	847.213	844.227	842.236	837.258	833.276
7.5	891.018	881.062	870.111	861.151	851.196	844.227	838.254	829.294	821.329	814.360
10.0	907.942	894.004	880.067	868.120	854.182	842.236	831.285	817.347	805.400	792.458
12.5	920.884	904.955	890.022	873.098	857.169	841.240	824.316	803.409	785.489	767.569
15.0	929.844	909.933	889.027	872.102	854.182	833.276	809.383	785.489	764.583	740.690
17.5	936.813	912.920	889.027	864.138	840.245	815.356	787.480	761.596	733.721	703.854
20.0	938.804	914.911	889.027	858.165	829.294	799.427	764.583	726.752	690.912	651.090
22.5	943.782	914.911	885.044	850.200	815.356	777.525	733.721	685.934	636.157	587.375
25.0	952.742	918.893	881.062	842.236	798.432	750.645	694.894	636.157	578.415	522.664
27.5	954.733	916.902	873.098	829.294	779.516	718.787	652.086	585.384	523.660	466.913
30.0	950.751	911.924	863.142	809.383	753.632	683.943	608.281	533.615	471.891	423.109
32.5	951.746	903.960	854.182	796.440	725.756	644.121	561.490	486.824	431.073	393.242
35.0	948.760	896.991	842.236	774.538	695.890	605.295	516.691	445.011	396.229	368.354
37.5	946.769	892.013	827.302	750.645	660.050	563.482	470.895	404.194	367.358	348.443
40.0	940.795	881.062	809.383	724.761	627.197	518.682	428.087	365.367	336.496	326.541
42.5	939.800	871.107	794.449	695.890	588.370	474.878	386.274	331.518	309.616	305.634
45.0	932.831	861.151	774.538	665.028	546.557	428.087	347.447	299.661	282.736	284.727
47.5	920.884	845.222	752.636	637.152	509.722	389.260	310.612	270.790	258.843	263.821
50.0	916.902	835.267	733.721	610.272	474.878	355.412	280.745	245.901	235.945	241.919
52.5	905.951	819.338	711.819	584.388	445.011	325.545	253.865	219.021	210.061	219.021
55.0	894.004	799.427	688.921	556.513	418.131	300.656	229.972	197.119	190.150	195.128
57.5	867.124	770.556	660.050	524.655	387.269	274.772	208.070	177.208	169.244	169.244
60.0	835.267	734.716	621.224	488.815	355.412	249.883	187.163	159.288	148.337	145.350
62.5	796.440	695.890	582.397	451.980	323.554	226.986	169.244	141.368	129.422	125.439
65.0	754.627	652.086	539.588	413.153	293.687	206.079	150.328	124.444	112.497	107.519

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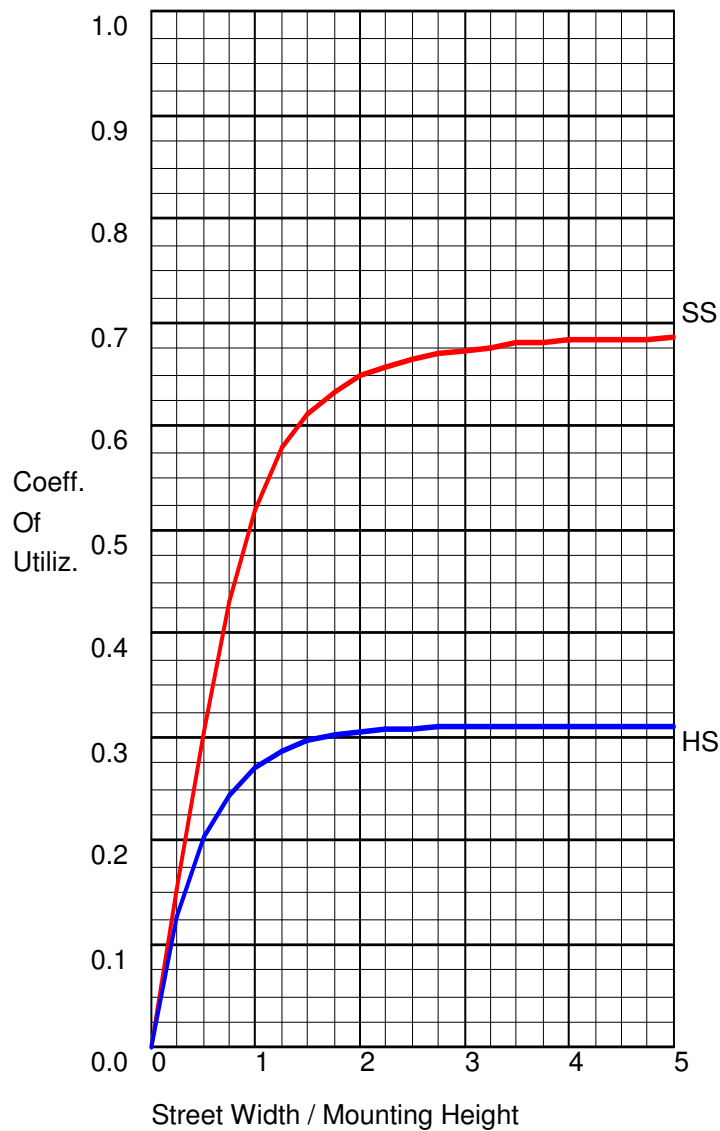
CANDELA TABULATION - (Cont.)

67.5	694.894	599.321	491.802	374.327	261.830	182.186	131.413	107.519	95.573	88.604
70.0	619.232	532.620	437.047	327.536	227.981	156.301	111.502	89.600	75.662	63.715
72.5	525.651	452.975	371.340	277.759	191.146	128.426	87.608	66.702	50.773	34.844
75.0	422.113	363.376	299.661	223.999	151.324	93.582	53.760	38.826	17.920	6.969
77.5	314.594	278.754	229.972	169.244	104.533	41.813	20.907	6.969	1.991	0.996
80.0	222.008	198.115	163.270	105.528	22.898	7.964	2.987	0.996	0.996	0.000
82.5	143.359	127.430	104.533	44.800	6.969	1.991	0.996	0.996	0.000	0.000
85.0	76.657	68.693	50.773	9.956	1.991	0.996	0.996	0.996	0.000	0.000
87.5	28.871	23.893	6.969	0.996	0.996	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	880.067	880.067	880.067	880.067	880.067	880.067	880.067	880.067
2.5	856.173	857.169	855.178	856.173	858.165	856.173	853.187	850.200
5.0	831.285	829.294	825.311	826.307	828.298	825.311	824.316	821.329
7.5	808.387	803.409	795.445	793.454	793.454	792.458	790.467	791.463
10.0	781.507	773.543	762.592	752.636	748.654	745.667	742.681	744.672
12.5	751.641	738.698	721.774	708.832	700.868	691.908	692.903	694.894
15.0	713.810	691.908	670.005	648.103	637.152	625.206	626.201	628.192
17.5	667.019	634.166	606.290	577.419	559.499	542.575	540.584	542.575
20.0	607.286	566.468	528.637	499.766	478.860	460.940	454.967	454.967
22.5	535.606	495.784	462.931	433.064	416.140	404.194	396.229	394.238
25.0	469.900	437.047	410.167	391.251	379.305	373.331	369.349	368.354
27.5	424.105	400.211	382.291	370.345	363.376	361.385	361.385	360.389
30.0	395.234	378.309	367.358	361.385	362.380	363.376	366.363	364.371
32.5	373.331	365.367	362.380	365.367	371.340	375.323	379.305	379.305
35.0	355.412	356.407	360.389	368.354	375.323	383.287	390.256	391.251
37.5	343.465	348.443	356.407	365.367	373.331	381.296	388.265	389.260
40.0	329.527	336.496	347.447	358.398	368.354	378.309	386.274	386.274
42.5	311.607	322.558	339.483	353.420	366.363	376.318	383.287	385.278
45.0	296.674	311.607	329.527	340.478	352.425	363.376	370.345	373.331
47.5	279.750	293.687	307.625	319.572	326.541	336.496	339.483	341.474
50.0	258.843	268.799	277.759	285.723	287.714	295.679	296.674	296.674
52.5	229.972	237.937	243.910	245.901	246.897	249.883	250.879	248.888
55.0	201.101	206.079	208.070	208.070	207.075	210.061	212.052	208.070
57.5	170.239	172.230	174.221	174.221	175.217	176.212	177.208	176.212
60.0	146.346	145.350	148.337	148.337	149.333	150.328	149.333	149.333
62.5	124.444	124.444	124.444	123.448	121.457	121.457	121.457	121.457
65.0	105.528	102.542	96.568	91.591	90.595	86.613	86.613	86.613
67.5	81.635	73.671	63.715	54.755	43.804	25.884	20.907	19.911
70.0	51.769	36.835	17.920	10.951	7.964	4.978	4.978	4.978
72.5	15.929	6.969	3.982	2.987	1.991	1.991	1.991	1.991
75.0	2.987	1.991	0.996	0.996	0.996	0.996	0.996	0.996
77.5	0.996	0.996	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

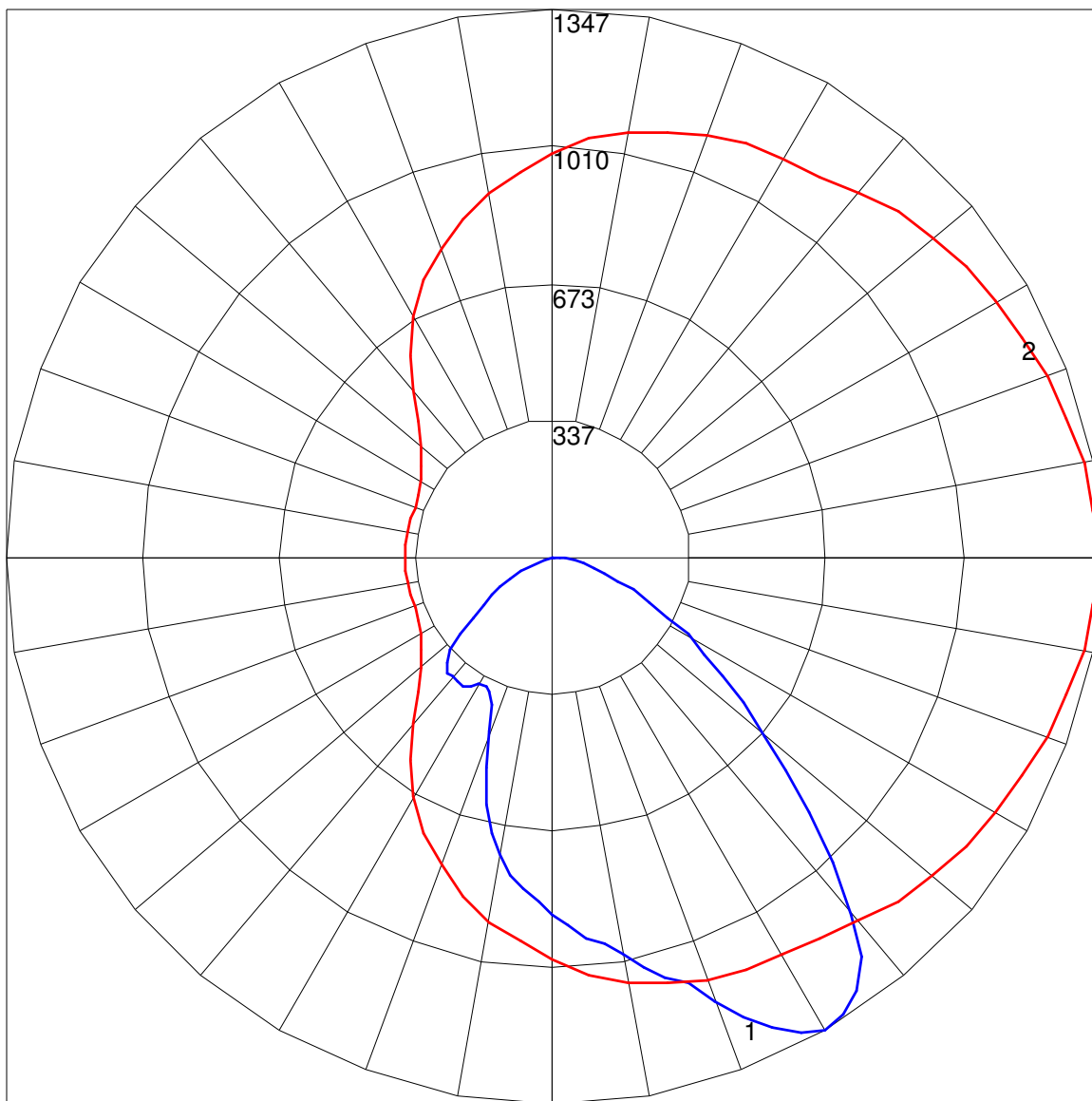
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

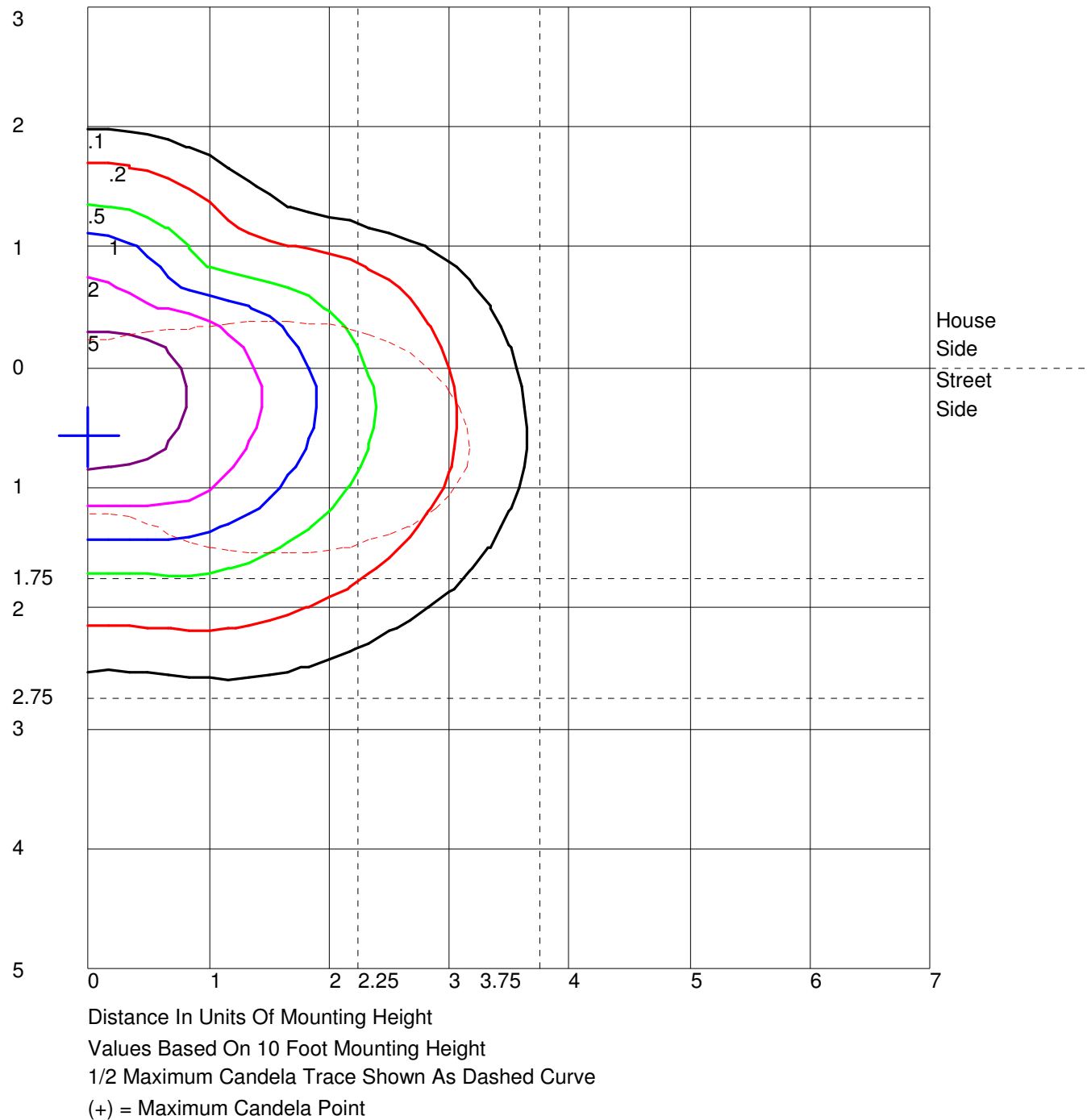
	Lumens	Percent Of Luminaire
Downward Street Side	2205.5	69.0
Downward House Side	989.3	31.0
Downward Total	3194.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3194.8	100.0

POLAR GRAPH

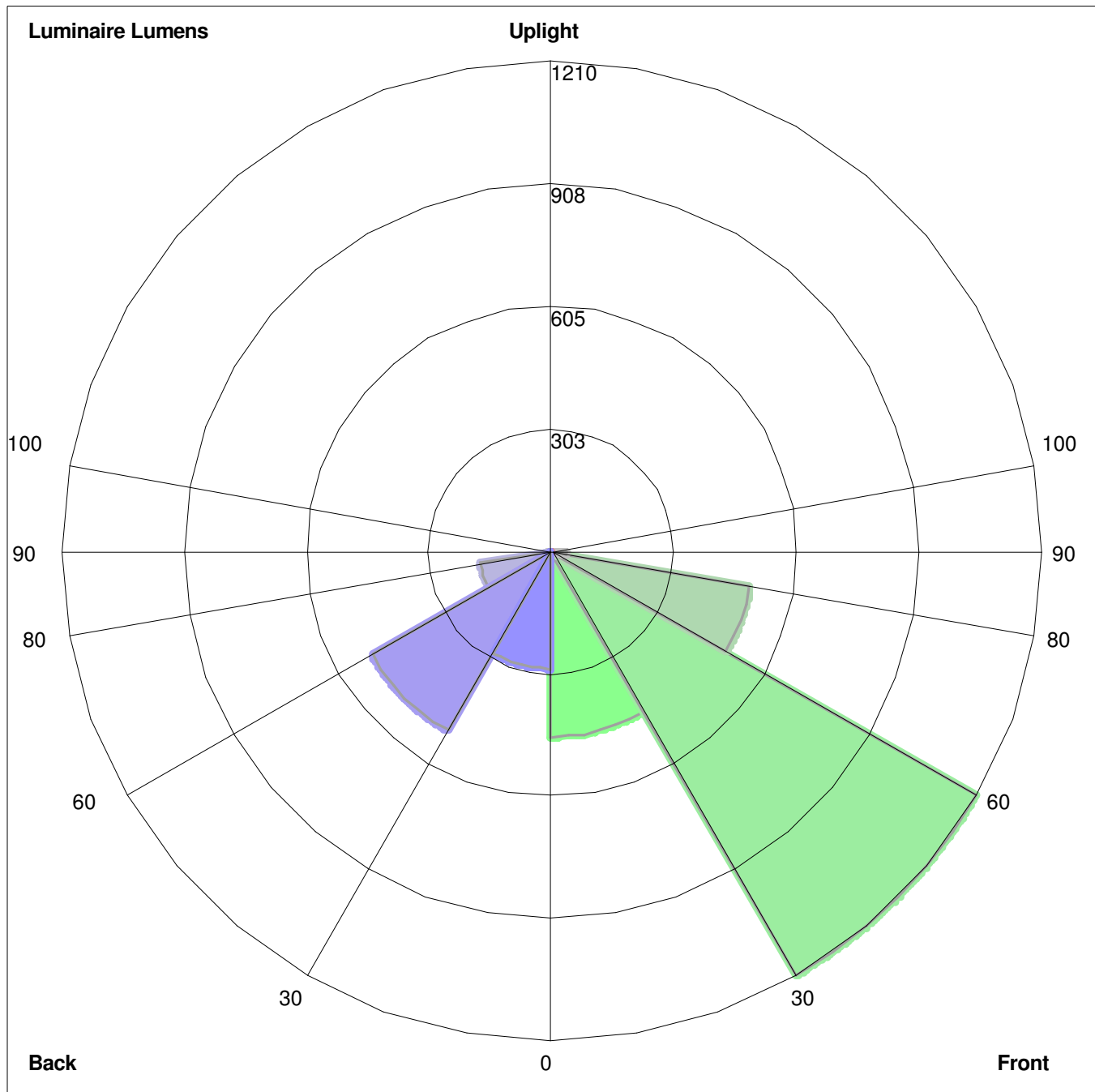


Maximum Candela = 1346.98 Located At Horizontal Angle = 0, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=457.7, Medium=1210.2, High=499.1, Very High=38.5
Back: Low=289.6, Medium=512.4, High=177.7, Very High=9.6
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1