



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-730-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-L30-730-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	3295
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1361.597
Maximum Candela Angle	0H 35V
Maximum Candela (<90 Degrees Vertical)	1361.597
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	423.694 (12.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L30-730-T3-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	436.4	N.A.	13.2
FM - Front-Medium (30-60)	1224.7	N.A.	37.2
FH - Front-High (60-80)	631.6	N.A.	19.2
FVH - Front-Very High (80-90)	26.3	N.A.	0.8
BL - Back-Low (0-30)	276.7	N.A.	8.4
BM - Back-Medium (30-60)	486.1	N.A.	14.8
BH - Back-High (60-80)	208.1	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	3294.6	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>15.0</u>	<u>25.0</u>	<u>35.0</u>	<u>45.0</u>	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>
0.0	845.723	845.723	845.723	845.723	845.723	845.723	845.723	845.723	845.723	845.723
2.5	872.933	875.709	880.152	876.820	876.265	871.822	867.380	861.271	860.161	852.942
5.0	897.366	900.698	904.585	902.364	901.808	898.477	894.034	889.037	887.371	875.154
7.5	916.802	920.133	922.355	920.689	919.578	920.689	918.467	916.246	916.246	902.364
10.0	950.675	953.451	954.562	951.786	948.454	947.898	944.011	941.790	945.122	930.684
12.5	986.769	988.435	988.435	988.435	987.880	987.880	978.995	970.110	972.332	956.783
15.0	993.988	995.654	996.210	1001.763	1011.203	1022.309	1017.866	1003.984	997.875	977.885
17.5	997.875	997.320	997.875	1000.097	1011.203	1033.415	1043.965	1037.302	1020.643	995.099
20.0	1047.297	1047.297	1047.297	1033.970	1024.530	1031.194	1050.629	1061.180	1042.300	1010.092
22.5	1147.251	1141.698	1136.701	1103.383	1067.843	1042.855	1043.965	1070.620	1059.514	1026.196
25.0	1239.987	1234.434	1226.104	1175.572	1120.597	1072.286	1042.855	1065.622	1072.841	1036.747
27.5	1299.959	1297.183	1289.964	1229.436	1162.800	1107.825	1057.848	1057.848	1080.615	1045.076
30.0	1342.717	1338.275	1328.279	1264.420	1193.897	1138.922	1082.281	1060.069	1085.613	1051.184
32.5	1360.487	1354.934	1341.051	1285.521	1223.328	1167.798	1108.936	1072.286	1086.724	1056.182
35.0	1361.597	1356.600	1343.828	1296.072	1247.761	1198.339	1135.590	1087.279	1090.055	1066.177
37.5	1342.162	1341.051	1328.835	1296.072	1273.860	1229.991	1161.134	1092.832	1094.498	1075.618
40.0	1264.420	1256.646	1248.316	1259.422	1283.300	1265.530	1187.233	1095.608	1099.496	1092.832
42.5	1080.060	1070.065	1065.067	1128.371	1259.422	1303.846	1218.330	1100.606	1100.051	1117.820
45.0	871.822	861.271	859.606	922.910	1154.470	1324.392	1247.206	1108.936	1102.272	1141.698
47.5	730.221	723.557	723.557	773.534	946.788	1311.065	1277.192	1118.376	1103.938	1166.132
50.0	650.257	644.704	644.704	690.794	830.175	1245.540	1311.065	1127.261	1109.491	1186.122
52.5	583.621	578.623	579.734	624.713	785.195	1075.062	1316.618	1151.139	1131.148	1206.113
55.0	526.980	523.649	527.536	570.294	753.543	994.544	1262.199	1201.116	1151.694	1230.547
57.5	489.775	488.665	490.331	530.868	724.112	946.788	1128.371	1254.980	1176.682	1234.434
60.0	439.798	437.577	435.356	473.116	676.912	880.707	1005.650	1277.192	1179.459	1223.883
62.5	354.282	351.505	349.284	387.045	589.729	789.082	885.705	1242.208	1154.470	1211.111
65.0	241.001	239.335	237.113	283.759	475.337	671.359	752.433	1153.915	1139.477	1228.325
67.5	130.496	131.051	136.049	174.364	352.061	551.414	634.153	995.654	1153.360	1247.206
70.0	94.401	94.956	97.178	131.051	260.991	429.803	520.317	844.612	1191.120	1256.646
72.5	72.189	72.189	74.966	99.954	201.019	323.185	404.259	698.568	1167.242	1187.788
75.0	55.530	54.975	56.641	74.410	151.597	223.786	290.422	519.762	1040.078	1006.205
77.5	38.871	38.316	39.982	50.532	107.728	147.710	194.911	336.512	828.509	719.114
80.0	23.323	22.767	23.878	29.986	67.747	93.846	113.281	223.786	423.694	336.512
82.5	12.217	11.661	12.217	14.438	34.429	51.643	53.864	146.599	152.708	123.277
85.0	5.553	4.998	5.553	6.664	13.883	23.323	22.767	64.970	47.756	47.756
87.5	1.666	1.666	1.666	2.221	3.887	5.553	7.219	14.438	12.772	14.438
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>85.0</u>	<u>90.0</u>	<u>95.0</u>	<u>105.0</u>	<u>115.0</u>	<u>125.0</u>	<u>135.0</u>	<u>145.0</u>	<u>155.0</u>	<u>165.0</u>
0.0	845.723	845.723	845.723	845.723	845.723	845.723	845.723	845.723	845.723	845.723
2.5	847.389	844.057	841.836	837.394	835.172	827.953	824.066	821.845	820.179	816.847
5.0	865.159	858.495	852.942	840.725	830.175	811.294	798.523	787.416	779.087	771.868
7.5	889.592	880.152	870.712	849.610	830.175	802.410	780.753	762.983	748.545	739.105
10.0	914.025	902.364	889.592	859.606	832.396	799.078	771.868	750.767	732.997	721.336
12.5	934.571	919.578	904.585	866.825	834.617	797.412	770.757	744.658	718.559	695.237
15.0	951.230	933.461	912.914	869.046	831.285	796.301	767.981	727.444	684.686	646.370
17.5	964.002	942.345	916.802	865.159	824.066	790.748	751.322	690.239	625.824	559.188
20.0	972.887	947.343	916.802	856.829	814.626	777.976	718.559	627.490	514.764	397.595
22.5	980.661	951.230	917.912	850.165	807.407	754.654	668.027	520.872	354.837	283.203
25.0	990.101	956.783	919.023	846.834	797.967	721.891	588.619	369.275	285.425	275.984
27.5	995.654	960.115	919.578	845.168	787.416	678.578	478.114	300.418	288.756	302.639

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PHOTOMETRIC FILENAME : VWPX-L30-730-T3-XXX-CGL-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

30.0	998.986	961.226	915.691	840.725	771.868	621.382	362.056	295.420	314.300	333.736
32.5	1000.652	958.449	908.472	832.951	750.211	547.527	318.743	310.968	339.289	355.948
35.0	998.431	951.786	897.921	824.622	723.002	470.895	318.187	323.740	345.397	345.397
37.5	999.541	946.233	887.371	812.405	687.462	393.708	314.856	322.630	325.962	328.183
40.0	1005.094	945.677	880.707	796.857	639.706	330.959	301.528	302.639	306.526	332.070
42.5	1014.535	947.343	875.709	776.866	585.842	283.203	269.876	285.425	321.519	399.817
45.0	1028.972	952.341	874.043	758.541	520.872	241.001	236.558	269.876	379.826	439.243
47.5	1048.408	965.113	880.707	744.658	462.566	198.798	203.795	315.411	403.704	453.125
50.0	1072.841	979.551	888.481	734.108	418.141	165.480	184.915	338.178	359.835	334.846
52.5	1090.611	991.767	896.811	731.331	398.151	145.489	191.023	252.107	189.913	173.254
55.0	1123.373	1016.200	916.246	736.884	388.711	131.051	148.265	144.934	127.719	122.721
57.5	1165.576	1045.076	929.573	730.776	365.943	121.611	112.171	113.281	110.505	104.397
60.0	1173.351	1061.180	945.677	716.893	336.512	112.171	98.288	97.733	98.844	96.067
62.5	1188.899	1061.180	939.569	678.022	309.858	102.175	89.403	84.406	88.293	84.961
65.0	1225.549	1080.060	937.903	645.259	278.761	91.625	78.297	72.189	67.191	71.078
67.5	1280.524	1115.044	966.223	655.810	251.551	82.185	61.638	49.422	41.648	37.760
70.0	1304.402	1124.484	972.887	675.246	226.007	69.968	41.648	23.323	10.551	2.221
72.5	1224.438	1045.076	899.587	637.485	196.021	52.198	21.101	4.442	1.666	1.666
75.0	973.998	827.398	708.008	538.642	140.491	30.542	3.887	1.666	1.111	1.111
77.5	557.522	470.895	395.929	377.605	68.302	8.885	1.111	1.111	0.555	0.555
80.0	205.461	172.143	131.051	155.484	22.212	1.666	0.555	0.555	0.555	0.555
82.5	74.410	60.528	48.311	41.648	6.108	0.555	0.555	0.555	0.555	0.000
85.0	28.320	24.433	19.991	11.661	1.111	0.555	0.555	0.555	0.555	0.555
87.5	8.330	7.774	6.664	1.666	0.555	0.555	0.555	0.555	0.555	0.555
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

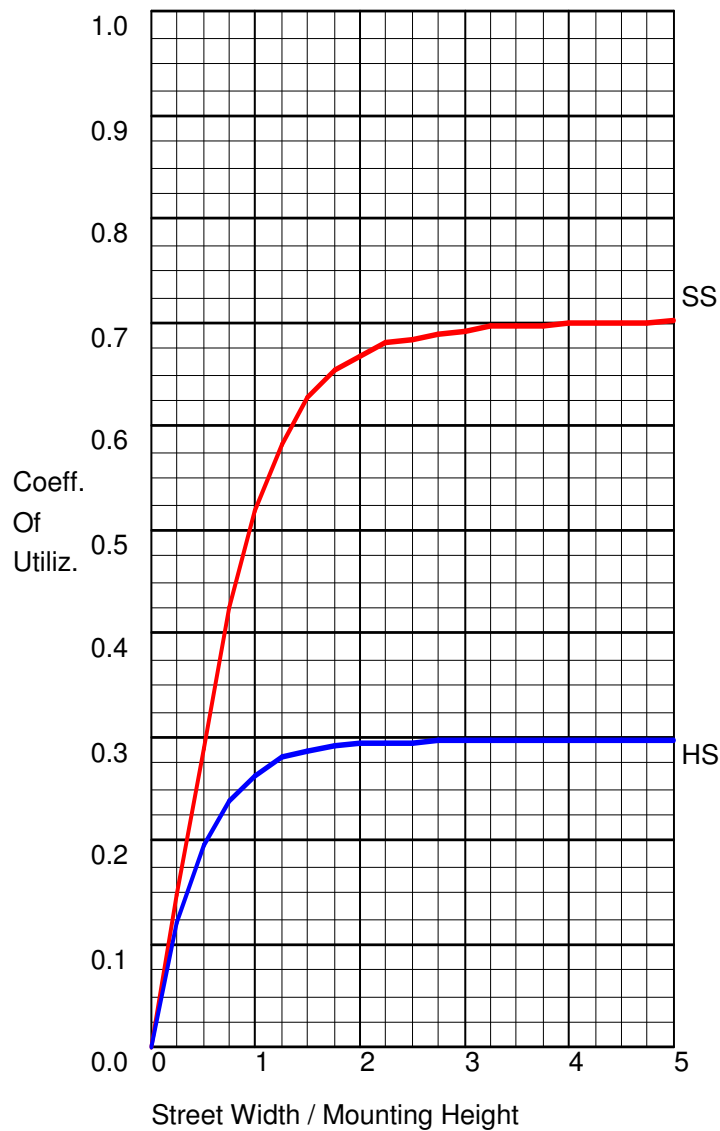
Vert. Horizontal Angles Angles

	<u>175.0</u>	<u>180.0</u>
0.0	845.723	845.723
2.5	820.735	819.624
5.0	774.089	774.089
7.5	738.550	743.548
10.0	718.559	724.668
12.5	686.352	693.571
15.0	629.711	629.711
17.5	526.980	518.651
20.0	350.950	339.289
22.5	269.876	270.431
25.0	277.650	277.650
27.5	308.192	308.192
30.0	339.844	339.844
32.5	359.280	359.280
35.0	344.286	343.176
37.5	329.849	329.293
40.0	368.720	367.609
42.5	428.692	428.137
45.0	462.566	462.010
47.5	466.453	470.340
50.0	306.526	316.521
52.5	171.033	176.030
55.0	120.500	122.166
57.5	101.620	101.620
60.0	94.401	93.846
62.5	89.403	89.959
65.0	83.850	86.072

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L30-730-T3-XXX-CGL-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

67.5	24.433	16.659
70.0	1.666	1.666
72.5	1.666	1.666
75.0	1.111	1.111
77.5	0.555	0.000
80.0	0.000	0.000
82.5	0.000	0.000
85.0	0.000	0.555
87.5	0.555	0.000
90.0	0.000	0.000

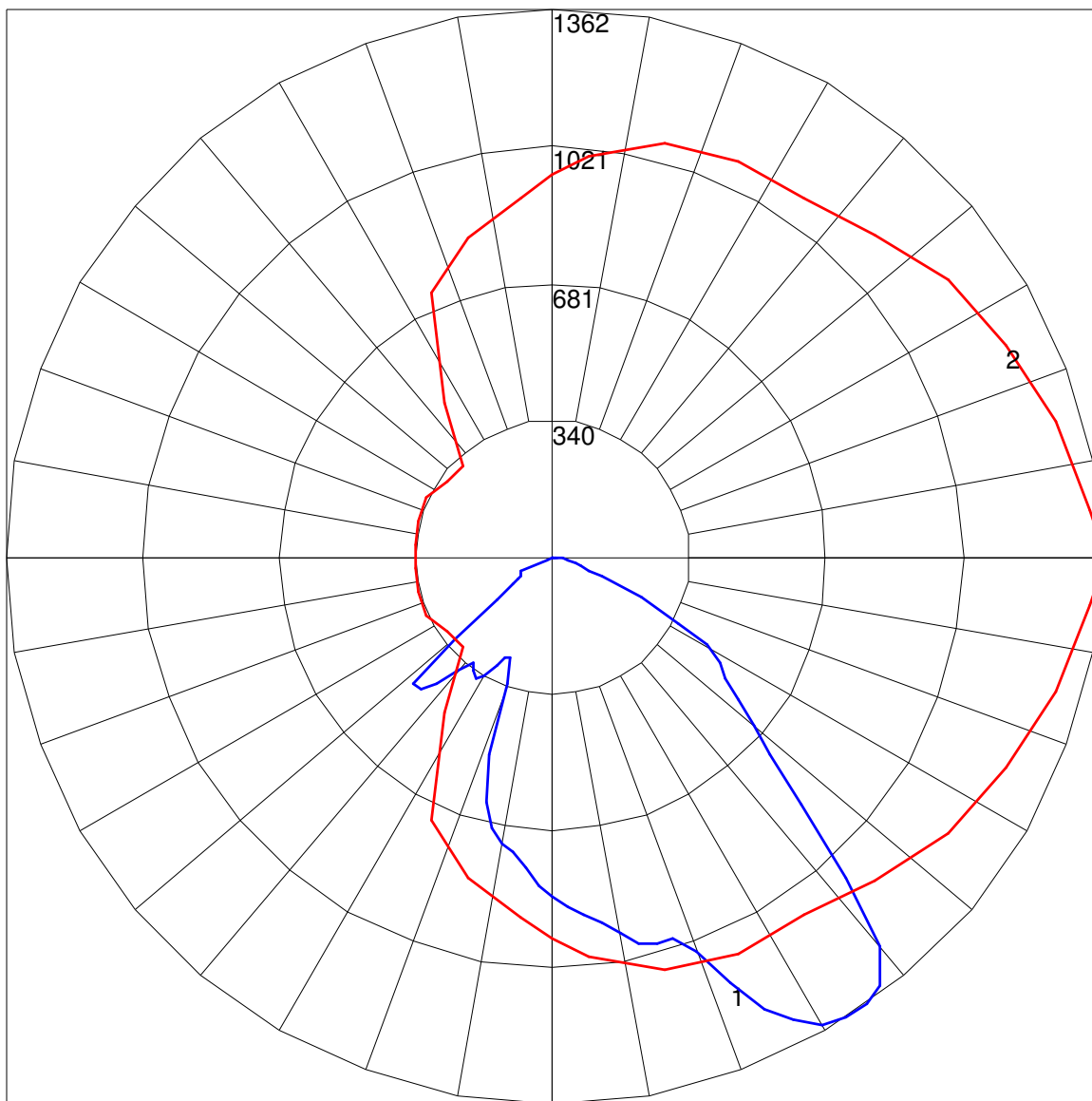
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

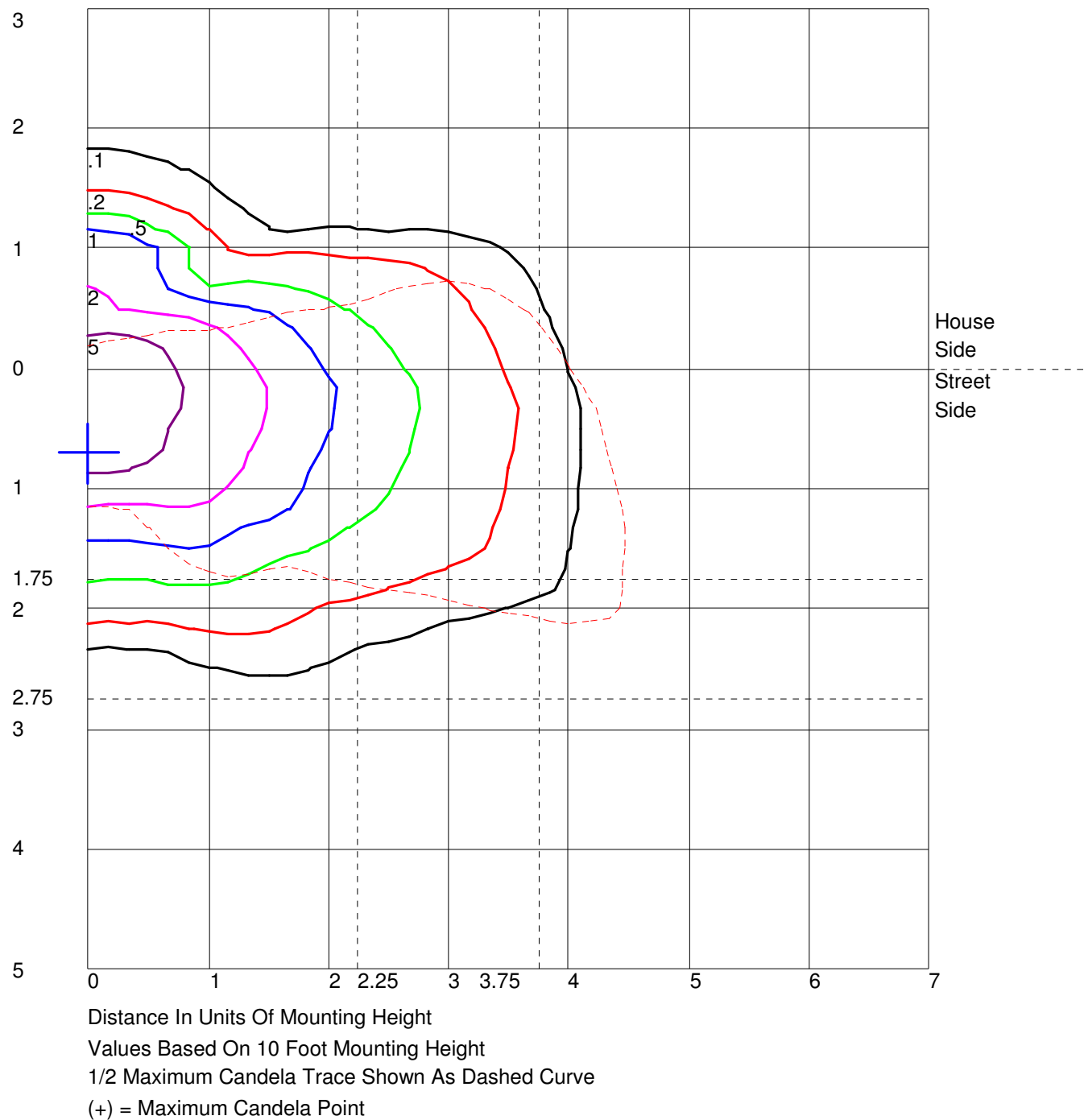
	Lumens	Percent Of Luminaire
Downward Street Side	2319.0	70.4
Downward House Side	975.6	29.6
Downward Total	3294.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3294.6	100.0

POLAR GRAPH

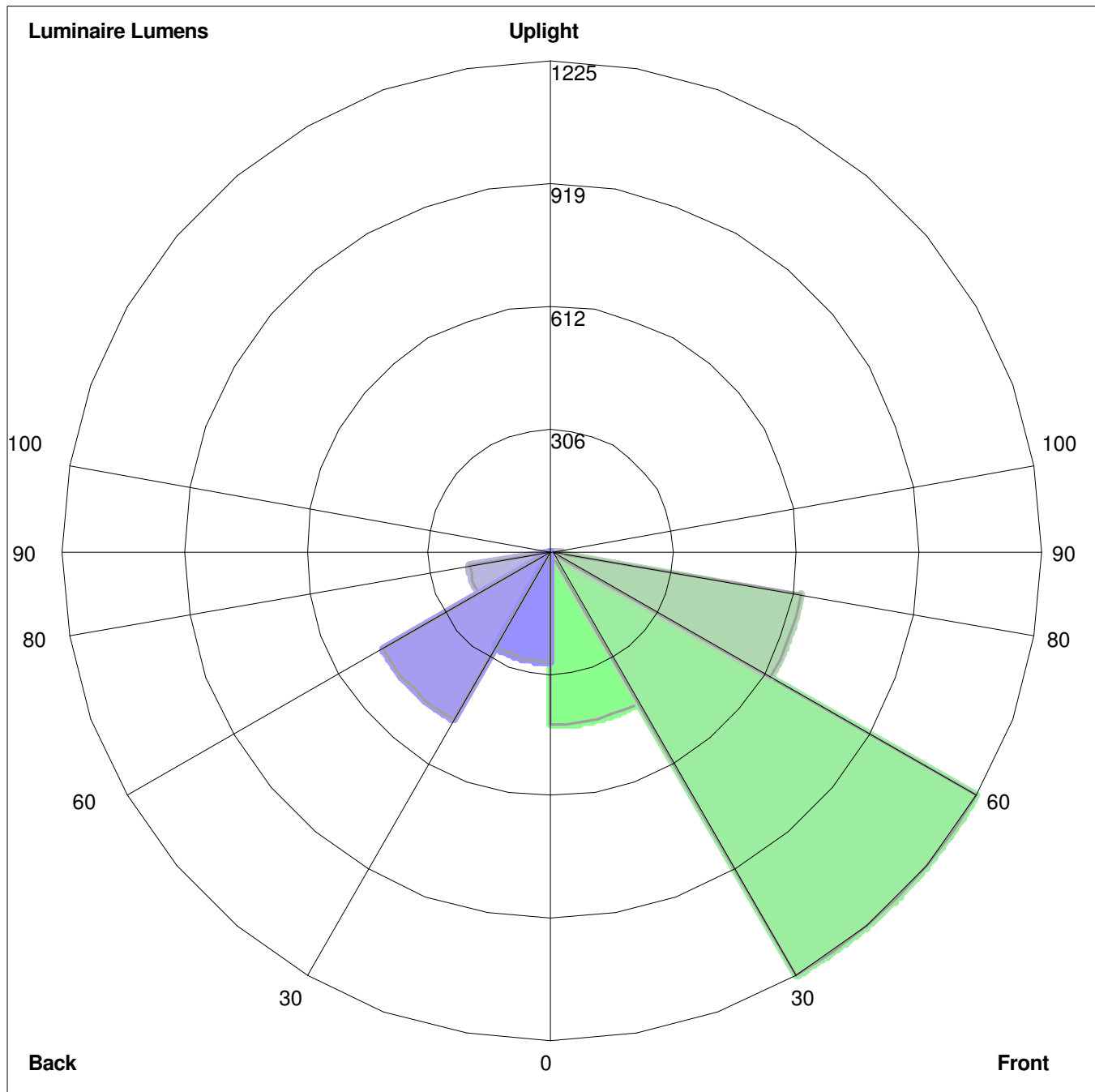


Maximum Candela = 1361.597 Located At Horizontal Angle = 0, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=436.4, Medium=1224.7, High=631.6, Very High=26.3
Back: Low=276.7, Medium=486.1, High=208.1, Very High=4.7
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1