



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-830-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-L30-830-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	2923
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1232.343
Maximum Candela Angle	0H 30V
Maximum Candela (<90 Degrees Vertical)	1232.343
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	277.801 (9.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L30-830-T3-XXX-SDGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	418.8	N.A.	14.3
FM - Front-Medium (30-60)	1107.2	N.A.	37.9
FH - Front-High (60-80)	456.6	N.A.	15.6
FVH - Front-Very High (80-90)	35.2	N.A.	1.2
BL - Back-Low (0-30)	264.9	N.A.	9.1
BM - Back-Medium (30-60)	468.8	N.A.	16.0
BH - Back-High (60-80)	162.6	N.A.	5.6
BVH - Back-Very High (80-90)	8.8	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	2922.9	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	805.167	805.167	805.167	805.167	805.167	805.167	805.167	805.167	805.167	805.167
2.5	828.849	830.670	828.849	834.314	833.403	832.492	830.670	827.027	825.205	824.295
5.0	863.460	863.460	863.460	867.103	866.192	864.371	861.638	857.995	854.352	851.619
7.5	878.033	878.033	878.033	880.766	878.944	876.212	873.479	873.479	873.479	872.568
10.0	908.090	908.090	907.180	907.180	903.536	900.804	898.071	897.160	894.428	892.606
12.5	945.434	947.256	944.523	943.612	939.969	939.058	935.415	932.683	928.128	923.574
15.0	980.045	981.867	979.135	975.491	971.848	970.026	967.294	969.115	967.294	959.096
17.5	1009.192	1011.013	1008.281	1002.816	995.529	990.975	990.064	993.708	992.797	989.154
20.0	1065.663	1064.752	1059.287	1052.000	1043.803	1031.962	1022.854	1017.389	1011.924	1008.281
22.5	1125.777	1125.777	1119.401	1109.382	1097.541	1086.612	1075.682	1056.554	1041.070	1028.319
25.0	1172.229	1173.140	1165.853	1154.923	1142.172	1126.688	1113.936	1095.720	1080.236	1055.644
27.5	1211.394	1211.394	1205.019	1191.356	1174.051	1161.299	1144.904	1126.688	1107.561	1093.898
30.0	1232.343	1230.522	1223.235	1215.038	1197.732	1184.980	1165.853	1151.280	1137.618	1118.490
32.5	1222.324	1222.324	1216.859	1209.573	1203.197	1194.089	1181.337	1169.496	1157.656	1137.618
35.0	1190.445	1188.624	1183.159	1181.337	1180.426	1181.337	1177.694	1178.605	1167.675	1152.191
37.5	1139.439	1136.707	1132.153	1134.885	1137.618	1143.993	1156.745	1165.853	1169.496	1157.656
40.0	1049.268	1048.357	1051.090	1056.554	1070.217	1088.433	1118.490	1145.815	1163.121	1161.299
42.5	936.326	939.969	941.791	951.810	981.867	1008.281	1061.109	1112.115	1142.172	1151.280
45.0	814.276	821.562	827.938	845.244	876.212	914.466	982.778	1055.644	1107.561	1133.974
47.5	710.442	714.085	721.372	740.499	772.378	819.741	894.428	980.956	1052.000	1102.096
50.0	624.824	628.468	630.289	649.417	684.028	733.212	811.543	898.071	981.867	1052.911
52.5	541.940	545.583	547.405	568.353	602.054	653.060	732.302	820.651	908.090	987.332
55.0	469.985	475.450	477.271	495.488	529.188	577.462	659.436	749.607	831.581	909.001
57.5	407.138	410.781	412.603	428.087	459.055	509.150	583.837	673.098	751.429	825.205
60.0	349.756	350.667	351.578	366.151	394.386	441.749	512.793	593.856	665.811	733.212
62.5	294.196	294.196	296.928	311.501	334.272	384.367	445.392	516.437	581.105	646.684
65.0	241.368	241.368	244.101	261.406	282.355	327.896	381.635	441.749	498.220	558.334
67.5	196.738	195.827	197.649	214.043	234.992	274.158	320.610	376.170	424.443	475.450
70.0	157.572	156.662	159.394	172.146	188.540	224.062	265.049	308.769	354.310	397.119
72.5	124.783	123.872	125.694	136.623	152.107	179.432	213.133	253.209	288.731	323.342
75.0	96.547	95.636	96.547	105.655	117.496	139.356	168.502	197.649	226.795	255.030
77.5	71.044	70.133	71.044	78.331	86.528	103.834	126.604	147.553	169.413	194.005
80.0	49.184	48.274	49.184	53.739	60.114	71.955	88.350	103.834	119.318	136.623
82.5	30.057	30.057	30.057	33.700	37.344	44.630	54.649	65.579	74.687	85.617
85.0	15.484	14.573	14.573	16.395	19.127	22.771	28.236	32.790	38.255	43.719
87.5	4.554	4.554	4.554	5.465	5.465	6.376	8.197	10.019	11.841	13.662
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	805.167	805.167	805.167	805.167	805.167	805.167	805.167	805.167	805.167	805.167
2.5	825.205	822.473	817.919	815.186	815.186	814.276	810.632	808.811	806.078	803.346
5.0	850.709	846.154	839.779	834.314	831.581	829.760	823.384	818.830	814.276	808.811
7.5	873.479	870.747	867.103	860.728	857.084	853.441	846.154	838.868	832.492	823.384
10.0	890.785	890.785	888.052	885.320	882.587	878.033	871.657	863.460	852.530	841.600
12.5	920.842	919.020	916.288	912.644	907.180	902.625	894.428	885.320	870.747	857.084
15.0	951.810	947.256	940.880	933.593	927.218	921.753	913.555	903.536	887.141	869.836
17.5	980.956	973.670	966.383	955.453	948.167	941.791	932.683	921.753	900.804	879.855
20.0	1001.905	994.619	992.797	984.599	970.937	959.096	947.256	933.593	909.912	886.231
22.5	1016.478	1012.835	1011.013	1000.994	984.599	972.759	961.829	946.345	925.396	895.339
25.0	1037.427	1024.676	1021.032	1015.567	1001.905	987.332	974.580	957.275	936.326	906.269
27.5	1070.217	1041.070	1034.695	1025.586	1014.657	996.440	982.778	965.472	940.880	908.090

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CANDELA TABULATION - (Cont.)

30.0	1097.541	1069.306	1047.446	1036.516	1027.408	1012.835	991.886	973.670	945.434	908.090
32.5	1118.490	1092.987	1068.395	1047.446	1038.338	1023.765	1005.548	983.689	949.988	910.823
35.0	1131.242	1109.382	1082.057	1063.841	1053.822	1040.160	1015.567	989.154	957.275	915.377
37.5	1139.439	1115.758	1095.720	1075.682	1064.752	1052.911	1031.051	1000.994	964.561	916.288
40.0	1143.083	1121.223	1101.185	1085.701	1075.682	1062.930	1040.160	1003.727	962.740	912.644
42.5	1143.993	1121.223	1098.452	1088.433	1072.038	1064.752	1048.357	1012.835	970.026	916.288
45.0	1134.885	1114.847	1092.987	1079.325	1074.771	1070.217	1056.554	1021.943	976.402	916.288
47.5	1114.847	1101.185	1077.503	1068.395	1072.038	1071.128	1058.376	1026.497	977.313	914.466
50.0	1081.147	1076.593	1059.287	1058.376	1062.930	1068.395	1065.663	1035.606	980.956	914.466
52.5	1032.873	1042.892	1041.981	1042.892	1052.911	1060.198	1062.930	1033.784	978.224	907.180
55.0	965.472	996.440	1016.478	1028.319	1036.516	1049.268	1052.911	1030.141	977.313	898.982
57.5	886.231	939.058	972.759	991.886	1006.459	1020.122	1027.408	1006.459	955.453	878.033
60.0	799.702	867.103	911.734	939.969	960.918	980.956	990.064	970.937	921.753	849.798
62.5	713.174	787.862	843.422	881.676	914.466	934.504	947.256	931.772	885.320	813.365
65.0	623.914	703.155	762.359	809.721	852.530	875.301	898.071	886.231	843.422	767.824
67.5	540.118	611.162	675.831	725.926	777.843	806.078	827.938	823.384	781.486	714.085
70.0	455.411	515.526	577.462	633.933	688.582	717.728	743.231	735.945	699.512	637.576
72.5	371.616	423.533	481.825	537.385	587.481	616.627	637.576	625.735	592.946	542.850
75.0	293.285	337.004	393.475	437.195	480.004	502.774	518.258	505.507	475.450	434.462
77.5	221.330	255.941	302.393	337.915	371.616	383.456	395.297	380.724	356.132	325.164
80.0	156.662	181.254	216.776	241.368	265.960	270.514	277.801	266.871	248.655	228.617
82.5	98.369	117.496	139.356	154.840	170.324	181.254	178.521	169.413	162.126	146.642
85.0	50.095	61.025	71.955	80.152	89.261	95.636	93.815	88.350	87.439	78.331
87.5	15.484	19.127	23.681	25.503	29.146	32.790	31.879	29.146	30.057	27.325
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	805.167	805.167	805.167	805.167	805.167	805.167	805.167	805.167	805.167	805.167
2.5	800.613	797.881	796.059	792.416	789.683	787.862	787.862	786.951	785.129	784.218
5.0	803.346	797.881	792.416	785.129	779.664	775.110	772.378	770.556	766.002	762.359
7.5	815.186	806.078	796.059	787.862	778.754	772.378	766.913	758.715	751.429	745.053
10.0	830.670	817.919	805.167	794.237	781.486	770.556	760.537	747.786	736.856	725.015
12.5	842.511	827.938	814.276	798.792	784.218	769.645	754.161	735.034	718.639	702.244
15.0	850.709	832.492	813.365	797.881	781.486	762.359	740.499	718.639	699.512	677.652
17.5	857.084	835.225	813.365	790.594	768.734	745.964	720.461	696.779	671.276	643.952
20.0	858.906	837.046	813.365	785.129	758.715	731.391	699.512	664.901	632.111	595.678
22.5	863.460	837.046	809.721	777.843	745.964	711.353	671.276	627.557	582.016	537.385
25.0	871.657	840.689	806.078	770.556	730.480	686.760	635.754	582.016	529.188	478.182
27.5	873.479	838.868	798.792	758.715	713.174	657.614	596.589	535.564	479.093	427.176
30.0	869.836	834.314	789.683	740.499	689.493	625.735	556.513	488.201	431.730	387.100
32.5	870.747	827.027	781.486	728.658	663.990	589.302	513.704	445.392	394.386	359.775
35.0	868.014	820.651	770.556	708.620	636.665	553.780	472.717	407.138	362.507	337.004
37.5	866.192	816.097	756.894	686.760	603.876	515.526	430.819	369.794	336.094	318.788
40.0	860.728	806.078	740.499	663.079	573.818	474.539	391.654	334.272	307.858	298.750
42.5	859.817	796.970	726.837	636.665	538.296	434.462	353.399	303.304	283.266	279.623
45.0	853.441	787.862	708.620	608.430	500.042	391.654	317.877	274.158	258.674	260.495
47.5	842.511	773.289	688.582	582.927	466.341	356.132	284.177	247.744	236.814	241.368
50.0	838.868	764.180	671.276	558.334	434.462	325.164	256.852	224.973	215.865	221.330
52.5	828.849	749.607	651.238	534.653	407.138	297.839	232.260	200.381	192.184	200.381
55.0	817.919	731.391	630.289	509.150	382.546	275.068	210.400	180.343	173.967	178.521
57.5	793.327	704.977	603.876	480.004	354.310	251.387	190.362	162.126	154.840	154.840
60.0	764.180	672.187	568.353	447.214	325.164	228.617	171.235	145.732	135.713	132.980
62.5	728.658	636.665	532.831	413.514	296.017	207.668	154.840	129.337	118.407	114.764
65.0	690.404	596.589	493.666	377.991	268.693	188.540	137.534	113.853	102.923	98.369

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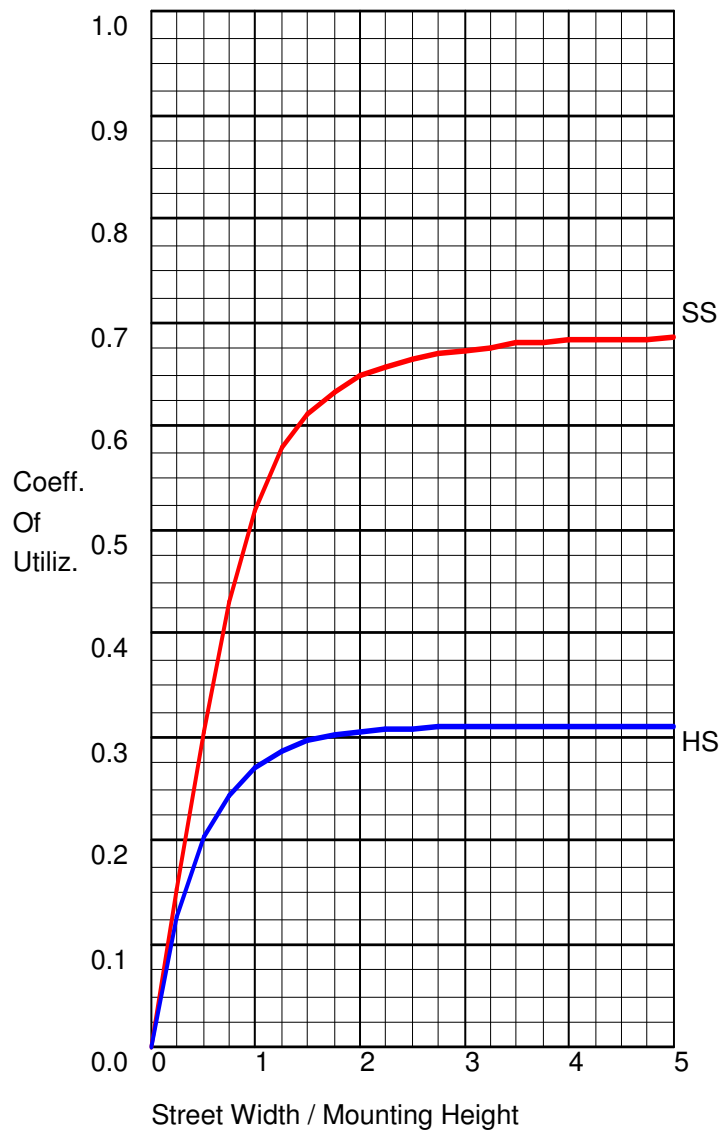
CANDELA TABULATION - (Cont.)

67.5	635.754	548.315	449.946	342.469	239.546	166.681	120.229	98.369	87.439	81.063
70.0	566.532	487.290	399.851	299.661	208.578	142.999	102.012	81.974	69.223	58.293
72.5	480.914	414.424	339.737	254.120	174.878	117.496	80.152	61.025	46.452	31.879
75.0	386.189	332.450	274.158	204.935	138.445	85.617	49.184	35.522	16.395	6.376
77.5	287.820	255.030	210.400	154.840	95.636	38.255	19.127	6.376	1.822	0.911
80.0	203.113	181.254	149.375	96.547	20.949	7.287	2.732	0.911	0.911	0.000
82.5	131.158	116.585	95.636	40.987	6.376	1.822	0.911	0.911	0.000	0.000
85.0	70.133	62.847	46.452	9.108	1.822	0.911	0.911	0.911	0.000	0.000
87.5	26.414	21.860	6.376	0.911	0.911	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	805.167	805.167	805.167	805.167	805.167	805.167	805.167	805.167
2.5	783.308	784.218	782.397	783.308	785.129	783.308	780.575	777.843
5.0	760.537	758.715	755.072	755.983	757.805	755.072	754.161	751.429
7.5	739.588	735.034	727.747	725.926	725.926	725.015	723.193	724.104
10.0	714.996	707.709	697.690	688.582	684.939	682.206	679.474	681.295
12.5	687.671	675.831	660.347	648.506	641.219	633.022	633.933	635.754
15.0	653.060	633.022	612.984	592.946	582.927	571.997	572.908	574.729
17.5	610.251	580.194	554.691	528.277	511.882	496.398	494.577	496.398
20.0	555.602	518.258	483.647	457.233	438.106	421.711	416.246	416.246
22.5	490.023	453.590	423.533	396.208	380.724	369.794	362.507	360.686
25.0	429.908	399.851	375.259	357.953	347.023	341.559	337.915	337.004
27.5	388.011	366.151	349.756	338.826	332.450	330.629	330.629	329.718
30.0	361.597	346.113	336.094	330.629	331.540	332.450	335.183	333.361
32.5	341.559	334.272	331.540	334.272	339.737	343.380	347.023	347.023
35.0	325.164	326.075	329.718	337.004	343.380	350.667	357.043	357.953
37.5	314.234	318.788	326.075	334.272	341.559	348.845	355.221	356.132
40.0	301.482	307.858	317.877	327.896	337.004	346.113	353.399	353.399
42.5	285.088	295.107	310.591	323.342	335.183	344.291	350.667	352.488
45.0	271.425	285.088	301.482	311.501	322.431	332.450	338.826	341.559
47.5	255.941	268.693	281.444	292.374	298.750	307.858	310.591	312.412
50.0	236.814	245.922	254.120	261.406	263.228	270.514	271.425	271.425
52.5	210.400	217.687	223.152	224.973	225.884	228.617	229.527	227.706
55.0	183.986	188.540	190.362	190.362	189.451	192.184	194.005	190.362
57.5	155.751	157.572	159.394	159.394	160.305	161.216	162.126	161.216
60.0	133.891	132.980	135.713	135.713	136.623	137.534	136.623	136.623
62.5	113.853	113.853	113.853	112.942	111.120	111.120	111.120	111.120
65.0	96.547	93.815	88.350	83.796	82.885	79.242	79.242	79.242
67.5	74.687	67.401	58.293	50.095	40.076	23.681	19.127	18.216
70.0	47.363	33.700	16.395	10.019	7.287	4.554	4.554	4.554
72.5	14.573	6.376	3.643	2.732	1.822	1.822	1.822	1.822
75.0	2.732	1.822	0.911	0.911	0.911	0.911	0.911	0.911
77.5	0.911	0.911	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

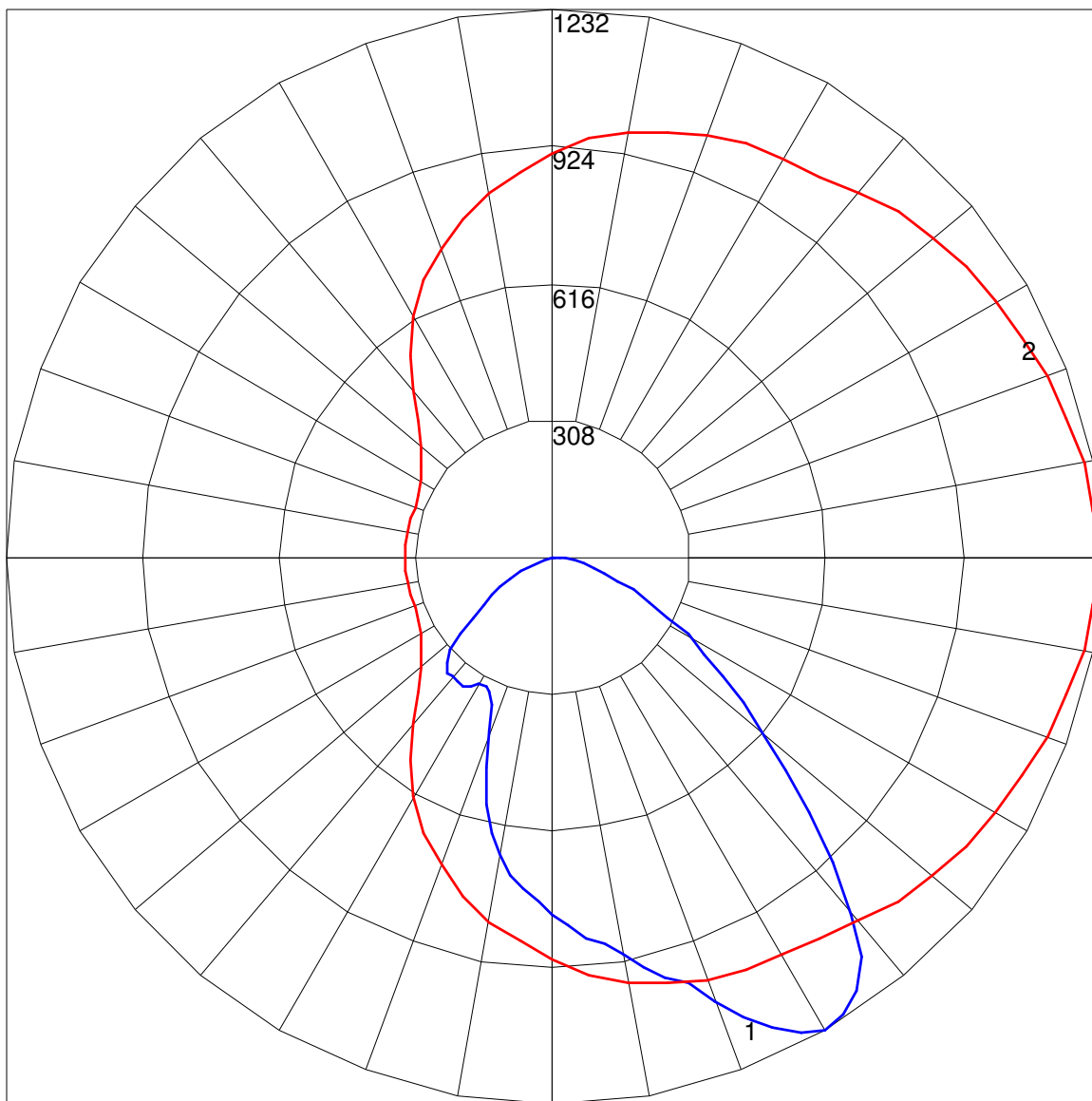
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

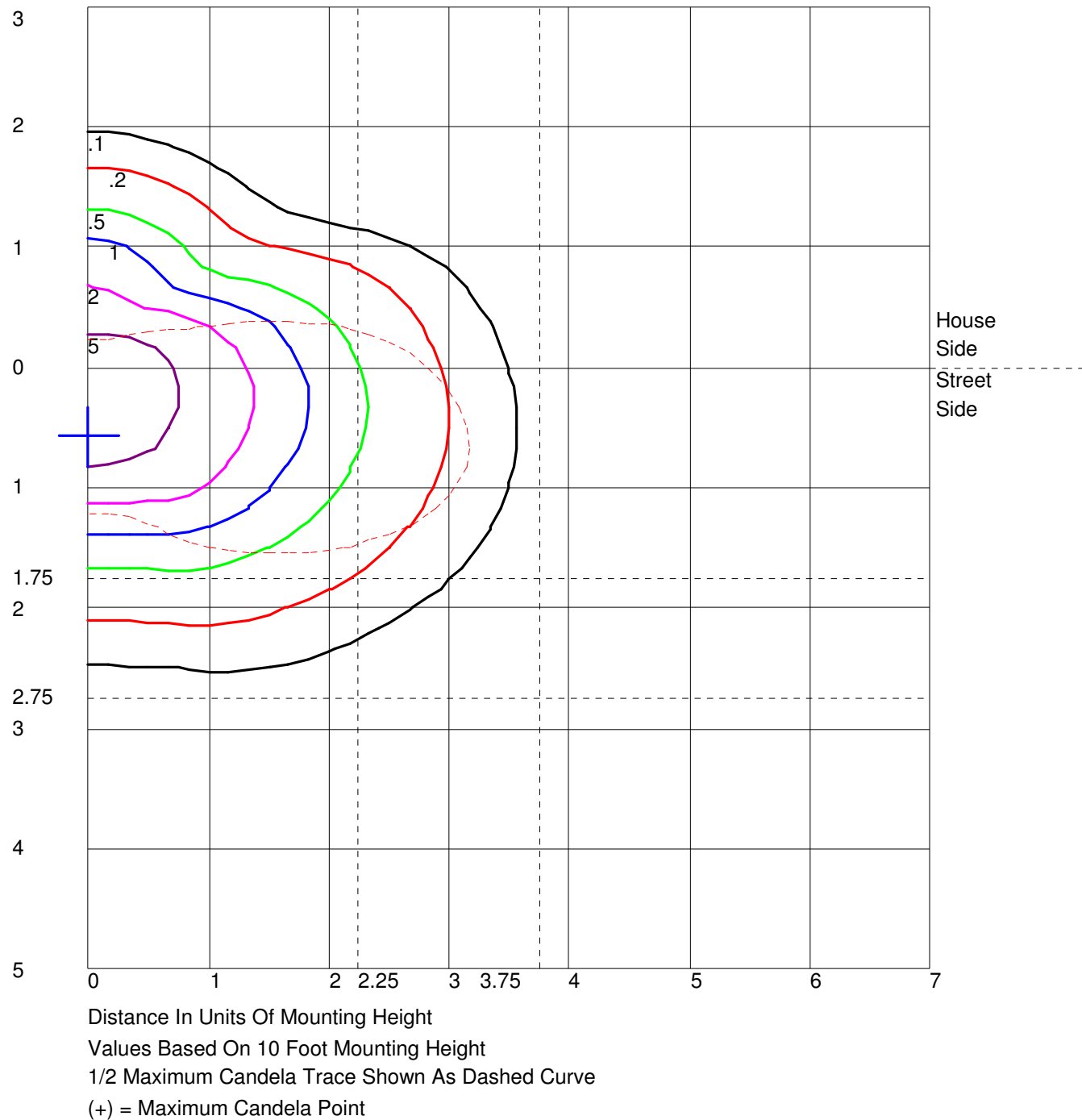
	Lumens	Percent Of Luminaire
Downward Street Side	2017.8	69.0
Downward House Side	905.1	31.0
Downward Total	2922.9	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	2922.9	100.0

POLAR GRAPH

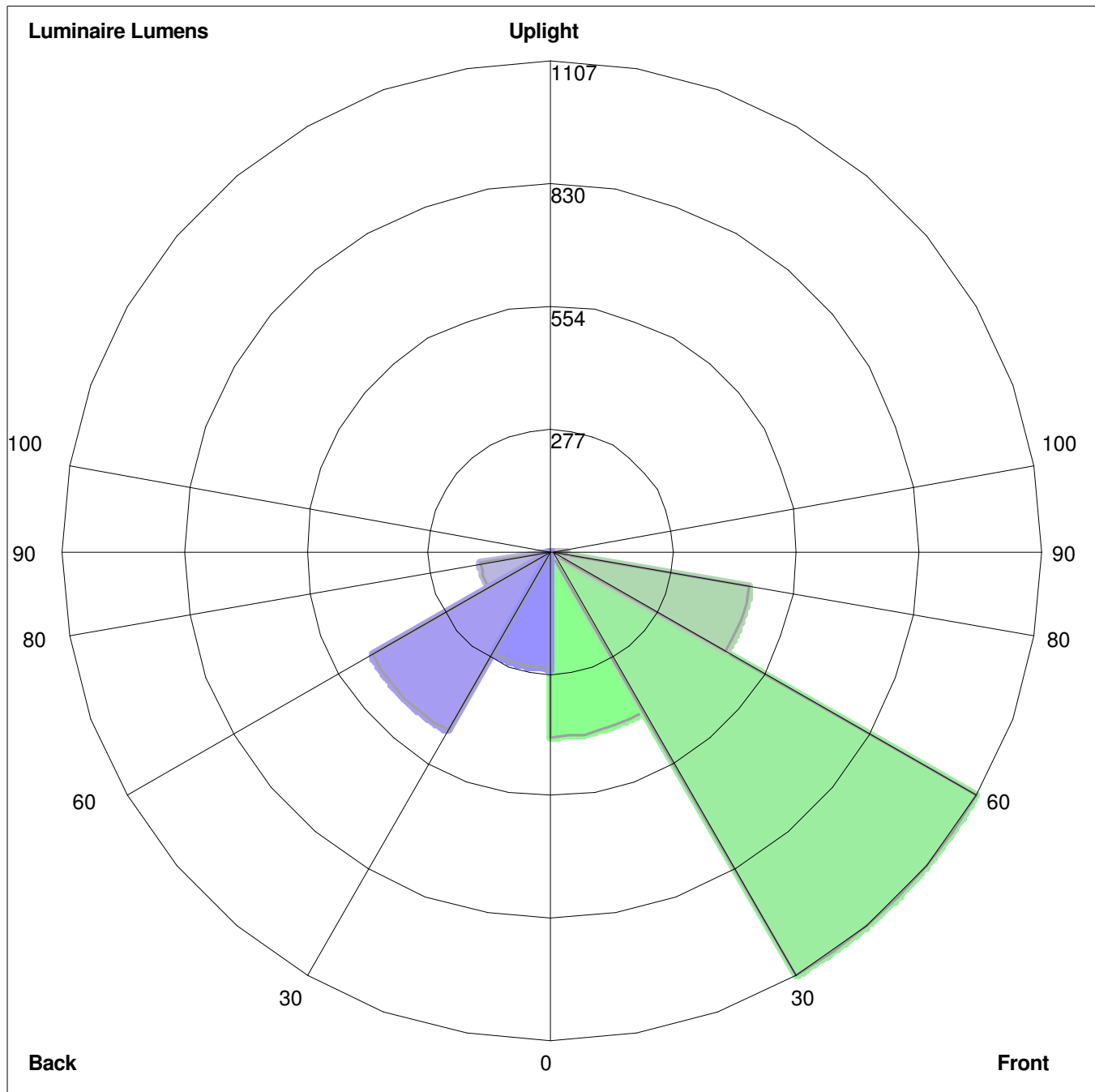


Maximum Candela = 1232.343 Located At Horizontal Angle = 0, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=418.8, Medium=1107.2, High=456.6, Very High=35.2
Back: Low=264.9, Medium=468.8, High=162.6, Very High=8.8
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1