



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-840-T2-XXX-CGL-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 14773930.01
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 2024-01-31
[TEST DATE] 4/25/2023
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] VWPx-L30-840-T2-xxx-CGL-DIM-UNV
[LUMINAIRE] CAST ALUMINUM LED WALL PACK
[LAMP] 8 white LEDs
[BALLAST] UNIVERSAL VOLTAGE LED DRIVER
[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	3175
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	1793.838
Maximum Candela Angle	60H 45V
Maximum Candela (<90 Degrees Vertical)	1793.838
Maximum Candela Angle (<90 Degrees Vertical)	60H 45V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	117.775 (3.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L30-840-T2-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	510.6	N.A.	16.1
FM - Front-Medium (30-60)	1265.7	N.A.	39.9
FH - Front-High (60-80)	489.3	N.A.	15.4
FVH - Front-Very High (80-90)	8.4	N.A.	0.3
BL - Back-Low (0-30)	284.4	N.A.	9.0
BM - Back-Medium (30-60)	432.7	N.A.	13.6
BH - Back-High (60-80)	183.0	N.A.	5.8
BVH - Back-Very High (80-90)	1.1	N.A.	0.0
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	3175.2	N.A.	100.0
BUG Rating	B1-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</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>60.0</u>	<u>62.5</u>	<u>65.0</u>
0.0	918.404	918.404	918.404	918.404	918.404	918.404	918.404	918.404	918.404	918.404
2.5	954.546	962.636	957.225	948.295	947.874	952.392	944.617	937.841	932.850	931.169
5.0	995.415	1004.083	997.044	985.014	981.442	980.234	965.630	955.281	948.137	944.827
7.5	1044.059	1053.777	1044.059	1025.936	1015.009	1006.867	985.224	972.301	962.951	957.908
10.0	1137.512	1145.497	1130.683	1098.902	1068.013	1040.855	1003.768	986.012	974.140	967.206
12.5	1231.070	1240.631	1221.615	1182.531	1141.872	1095.435	1027.302	999.670	983.963	973.510
15.0	1334.557	1344.328	1320.006	1267.054	1211.371	1153.849	1065.334	1021.313	998.882	982.913
17.5	1437.833	1451.702	1421.811	1359.037	1287.909	1210.688	1109.250	1055.511	1024.885	1001.666
20.0	1534.649	1554.505	1519.467	1447.762	1362.293	1271.519	1150.015	1092.756	1059.030	1029.613
22.5	1600.523	1626.736	1592.118	1521.411	1431.582	1329.724	1193.405	1128.634	1093.176	1061.079
25.0	1614.076	1642.180	1615.862	1565.064	1486.162	1386.826	1242.890	1172.603	1133.362	1098.324
27.5	1562.700	1595.848	1586.760	1562.333	1519.887	1440.460	1296.052	1226.290	1184.212	1144.604
30.0	1485.479	1519.309	1509.749	1506.597	1514.319	1483.168	1356.200	1288.907	1242.785	1199.814
32.5	1429.534	1463.731	1445.818	1436.152	1482.958	1521.253	1432.423	1359.719	1312.704	1267.317
35.0	1381.415	1412.198	1390.188	1377.580	1439.094	1557.342	1523.775	1454.276	1396.544	1348.688
37.5	1294.160	1324.051	1323.368	1324.313	1407.575	1585.499	1629.835	1563.121	1503.550	1439.830
40.0	1117.235	1142.765	1187.049	1252.188	1379.839	1590.542	1719.138	1672.701	1614.496	1545.575
42.5	873.963	893.504	979.288	1125.535	1324.471	1555.504	1760.218	1759.587	1712.099	1650.112
45.0	647.606	667.725	758.762	945.090	1214.943	1466.936	1744.721	1793.838	1762.897	1712.152
47.5	386.210	414.524	532.247	744.893	1058.242	1367.231	1685.939	1749.186	1743.723	1715.881
50.0	248.946	262.446	339.194	547.639	900.333	1288.645	1624.162	1683.627	1692.768	1674.749
52.5	123.554	128.859	200.775	374.548	745.892	1209.165	1526.191	1607.247	1633.092	1630.886
55.0	104.642	104.327	112.575	233.081	593.498	1108.095	1392.394	1495.198	1531.129	1524.195
57.5	92.718	92.192	94.136	139.681	446.516	994.470	1313.597	1450.441	1482.327	1479.543
60.0	83.315	82.474	83.840	96.395	312.666	890.090	1382.781	1529.973	1572.103	1587.232
62.5	76.643	75.382	75.645	81.213	217.374	779.301	1434.892	1654.472	1734.950	1780.390
65.0	70.760	69.656	68.711	72.966	159.380	635.471	1321.844	1624.004	1735.843	1789.583
67.5	64.298	63.773	62.670	66.557	127.809	544.644	1115.554	1387.666	1458.793	1486.740
70.0	56.629	56.419	56.314	60.674	101.963	440.527	925.391	1152.326	1191.462	1179.327
72.5	47.803	47.751	48.329	55.263	84.365	363.569	661.526	783.294	814.340	810.558
75.0	37.770	38.138	39.346	50.377	68.974	263.970	375.441	449.720	491.640	495.633
77.5	26.476	27.316	29.260	40.659	51.848	139.313	219.843	222.943	218.950	209.600
80.0	14.446	15.759	17.020	26.949	36.824	63.668	117.775	88.463	70.970	60.726
82.5	8.352	8.930	9.508	16.022	24.112	32.307	52.899	42.130	35.564	31.466
85.0	4.255	4.465	4.570	8.195	14.656	19.542	19.226	17.913	16.285	15.497
87.5	1.681	1.839	1.839	2.994	5.096	6.829	5.096	5.778	5.726	5.621
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	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>67.5</u>	<u>70.0</u>	<u>72.5</u>	<u>75.0</u>	<u>77.5</u>	<u>80.0</u>	<u>82.5</u>	<u>85.0</u>	<u>87.5</u>	<u>90.0</u>
0.0	918.404	918.404	918.404	918.404	918.404	918.404	918.404	918.404	918.404	918.404
2.5	926.021	921.714	924.183	921.031	915.988	911.995	907.845	910.419	912.363	910.682
5.0	937.263	931.905	932.430	927.072	920.663	914.675	908.633	909.316	909.579	906.637
7.5	948.925	940.625	939.837	932.640	924.078	916.566	908.161	907.635	905.954	901.332
10.0	955.806	946.614	944.355	935.372	924.918	914.727	905.587	902.802	899.388	892.927
12.5	960.272	949.345	944.933	934.164	922.659	910.892	899.756	895.501	890.720	882.525
15.0	964.212	950.606	945.038	932.167	919.245	905.902	892.611	887.148	880.424	871.389
17.5	975.138	956.384	946.876	931.642	917.249	902.172	887.831	880.319	872.072	861.776
20.0	993.787	967.626	951.657	933.323	915.988	899.125	882.735	874.541	865.295	853.423
22.5	1019.579	984.646	960.482	936.685	916.566	896.814	878.953	869.235	858.624	845.753
25.0	1053.515	1013.066	978.763	946.876	922.081	898.810	878.375	867.817	855.314	841.551
27.5	1095.014	1051.413	1009.178	966.365	934.321	907.057	883.313	870.968	857.520	842.076
30.0	1145.077	1097.431	1049.312	996.203	954.808	921.188	893.977	879.636	864.665	848.117
32.5	1207.799	1156.003	1101.213	1040.014	988.061	944.565	911.890	895.501	878.691	860.620
35.0	1283.234	1225.082	1163.725	1094.594	1032.765	976.136	937.158	917.406	897.917	878.323
37.5	1365.025	1298.993	1230.440	1152.484	1080.936	1009.388	961.112	935.687	913.519	892.191
40.0	1451.229	1374.166	1292.217	1205.120	1124.274	1041.170	979.393	946.403	921.399	898.075
42.5	1548.832	1453.225	1355.097	1255.550	1163.568	1071.323	997.937	956.332	927.387	903.223
45.0	1630.623	1524.720	1410.832	1300.937	1201.548	1102.736	1022.364	972.301	939.417	913.256
47.5	1654.262	1566.167	1445.345	1324.366	1227.393	1132.574	1050.836	995.940	960.902	933.796
50.0	1638.818	1568.058	1445.240	1324.944	1231.438	1149.069	1078.887	1025.936	996.308	973.352
52.5	1595.637	1515.895	1385.092	1291.691	1227.078	1172.393	1133.100	1104.207	1093.123	1082.302
55.0	1485.164	1417.084	1335.975	1283.024	1264.795	1247.985	1240.053	1233.224	1232.699	1223.453
57.5	1446.028	1418.134	1394.968	1376.792	1372.800	1368.860	1365.761	1351.787	1332.876	1305.350
60.0	1573.784	1577.829	1567.848	1539.902	1509.276	1489.051	1449.128	1406.998	1368.912	1326.730
62.5	1788.795	1791.159	1756.961	1685.623	1605.671	1534.018	1471.559	1406.210	1331.090	1259.542
65.0	1787.482	1751.393	1681.526	1596.951	1501.344	1426.119	1365.655	1308.134	1230.703	1159.470
67.5	1486.267	1442.299	1377.738	1312.126	1241.524	1171.290	1118.443	1076.051	1022.574	975.138
70.0	1150.015	1099.585	1041.222	982.387	928.805	866.241	814.813	777.988	732.076	695.514
72.5	782.874	737.066	690.471	650.810	612.357	570.700	532.877	508.030	473.307	450.246
75.0	476.038	437.848	401.234	370.556	338.879	299.218	258.874	238.807	217.637	205.870
77.5	191.266	159.275	130.540	101.490	78.324	63.615	53.845	50.430	47.121	45.545

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CANDELA TABULATION - (Cont.)

80.0	53.477	49.012	46.070	42.183	38.295	34.408	30.941	28.892	27.159	26.108
82.5	29.995	28.314	26.161	24.322	22.116	19.384	17.178	15.864	15.024	14.446
85.0	14.866	14.026	13.133	12.345	11.084	9.561	8.195	7.407	6.829	6.461
87.5	5.463	5.306	5.201	4.728	4.150	3.467	2.942	2.627	2.364	2.206
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	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>92.5</u>	<u>95.0</u>	<u>97.5</u>	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>
0.0	918.404	918.404	918.404	918.404	918.404	918.404	918.404	918.404	918.404	918.404
2.5	908.844	904.116	898.232	899.493	899.703	901.962	901.857	897.129	899.073	901.542
5.0	903.801	896.919	889.932	889.722	889.985	890.878	889.985	884.784	886.991	889.302
7.5	896.971	888.829	881.475	881.054	879.426	880.056	879.531	873.805	875.434	876.537
10.0	888.146	879.006	871.074	869.182	868.184	868.132	867.396	860.935	861.460	862.091
12.5	876.064	866.976	858.361	856.260	853.948	853.791	852.005	844.335	843.442	841.551
15.0	864.139	854.421	845.333	842.339	839.660	838.452	834.144	825.897	823.113	818.175
17.5	853.528	843.337	833.986	830.099	826.317	823.848	817.229	807.038	801.837	794.063
20.0	843.810	832.936	823.165	818.542	812.869	808.614	799.841	787.339	778.986	768.638
22.5	835.457	824.006	813.289	806.880	798.948	792.802	781.035	766.641	756.293	745.419
25.0	830.624	817.912	805.567	796.847	787.076	777.831	763.122	747.730	736.751	725.720

IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-840-T2-XXX-CGL-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.5	830.519	816.126	802.363	790.543	777.988	766.484	749.148	732.496	720.099	711.063
30.0	835.300	819.435	803.571	789.125	774.206	759.392	739.483	722.305	710.013	699.401
32.5	846.804	828.628	811.240	794.010	775.992	758.552	736.436	719.363	704.392	690.208
35.0	863.089	842.812	823.533	803.203	781.875	762.334	739.640	720.834	702.186	684.062
37.5	875.854	854.211	832.936	810.925	787.706	767.062	742.792	721.990	699.874	677.706
40.0	881.475	857.836	835.195	810.925	787.234	765.748	740.113	716.947	691.889	666.359
42.5	884.679	858.991	834.249	808.141	783.504	761.493	732.969	707.596	681.593	651.020
45.0	894.030	866.241	838.872	810.400	784.134	760.390	728.451	700.610	671.402	634.052
47.5	912.626	882.998	852.793	819.645	791.646	764.855	729.712	699.034	663.680	616.875
50.0	956.332	930.171	902.855	870.863	842.549	816.599	776.727	738.485	695.619	636.311
52.5	1074.054	1054.093	1030.769	997.149	963.266	937.421	890.195	845.438	789.808	708.174
55.0	1211.161	1183.897	1150.487	1112.980	1075.630	1042.536	985.539	928.490	847.224	720.834
57.5	1280.817	1244.413	1205.750	1162.622	1117.498	1070.797	997.832	908.266	788.442	638.570
60.0	1280.030	1225.712	1174.232	1116.500	1064.231	999.670	913.624	816.336	693.938	542.490
62.5	1189.518	1116.710	1061.920	1012.645	970.515	917.879	844.913	752.616	627.539	472.992
65.0	1095.592	1027.932	979.603	940.888	906.690	862.774	799.421	708.227	576.898	427.394
67.5	941.571	887.673	849.063	825.004	809.297	781.508	736.121	650.390	528.727	395.350
70.0	677.969	642.090	617.558	607.944	613.565	600.327	587.352	530.146	434.329	328.846
72.5	437.218	413.264	395.771	387.418	393.669	388.994	393.564	355.689	288.659	212.384
75.0	203.664	189.533	182.284	184.490	198.358	195.469	200.092	175.087	124.342	81.423
77.5	45.702	43.443	42.498	43.023	45.702	46.910	53.739	50.640	38.821	28.472
80.0	25.898	25.162	24.952	24.427	24.164	22.483	19.332	14.604	11.084	8.458
82.5	14.394	14.341	14.289	14.078	13.553	10.821	6.829	4.885	3.309	2.259
85.0	6.671	6.671	6.619	6.409	5.358	3.415	2.311	1.628	1.156	0.788
87.5	2.311	2.206	2.101	1.786	1.261	0.946	0.735	0.630	0.525	0.473
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-840-T2-XXX-CGL-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles

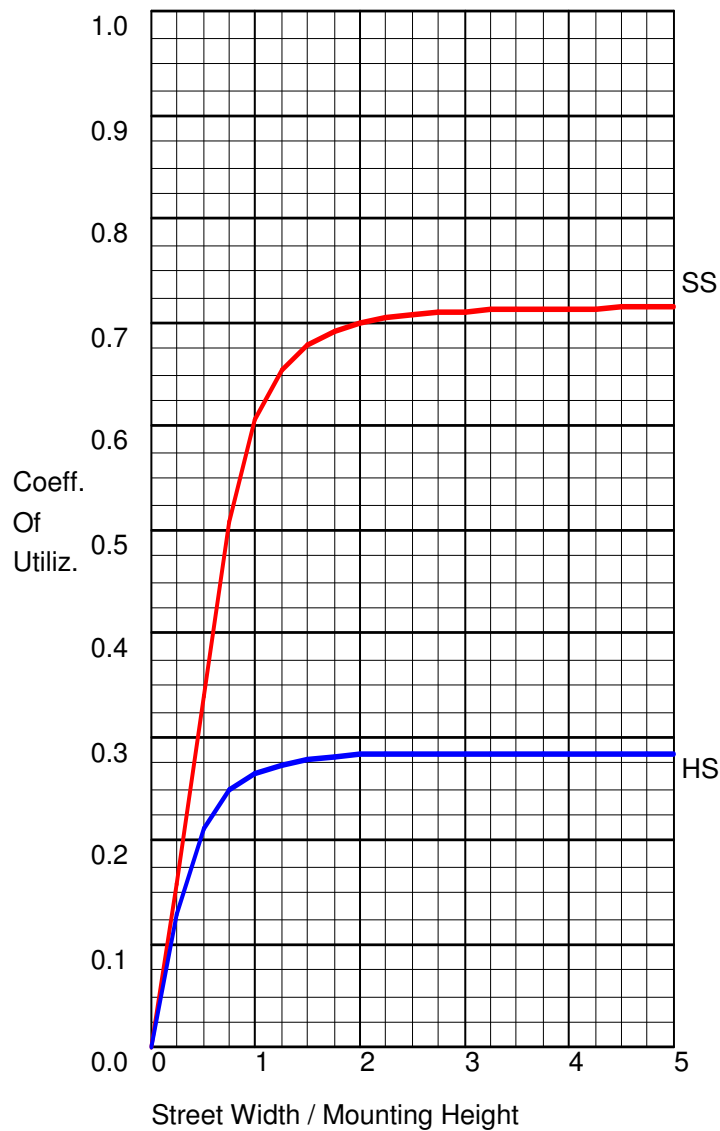
Horizontal Angles

	<u>117.5</u>	<u>120.0</u>	<u>125.0</u>	<u>135.0</u>	<u>145.0</u>	<u>155.0</u>	<u>165.0</u>	<u>175.0</u>	<u>180.0</u>
0.0	918.404	918.404	918.404	918.404	918.404	918.404	918.404	918.404	918.404
2.5	900.544	902.697	905.114	905.009	896.236	893.189	899.335	904.221	895.080
5.0	887.936	888.672	890.353	889.354	877.955	871.336	874.908	878.113	870.968
7.5	875.381	875.486	874.698	868.605	851.164	838.662	836.823	836.928	830.572
10.0	858.781	856.838	853.371	838.557	813.709	796.427	794.483	796.006	790.070
12.5	836.981	833.041	823.953	800.156	776.465	769.898	780.772	789.387	784.817
15.0	811.923	805.042	790.753	768.375	761.966	763.962	763.647	762.439	758.447
17.5	785.395	776.675	761.441	754.297	749.674	728.294	712.166	703.341	700.189
20.0	759.445	750.672	741.269	741.006	711.326	669.511	636.206	609.153	607.367
22.5	736.488	730.815	726.875	710.223	654.697	573.957	455.604	369.925	367.351
25.0	718.838	715.108	708.857	664.783	567.863	377.332	266.596	225.937	225.149
27.5	704.234	698.561	683.747	606.053	416.415	235.235	170.411	147.981	147.350
30.0	689.736	680.963	652.228	515.910	266.123	158.172	127.493	121.347	121.873
32.5	676.550	662.262	615.929	400.814	182.756	123.764	114.833	112.627	113.415
35.0	665.676	642.668	571.225	284.719	136.791	112.154	108.267	106.954	107.532
37.5	653.331	621.445	514.334	200.249	116.357	105.693	103.224	102.541	102.541
40.0	635.418	592.238	451.611	154.442	106.218	100.440	99.127	98.444	97.918
42.5	612.305	553.364	389.572	128.124	99.442	96.080	95.292	94.451	93.296
45.0	584.831	511.129	328.951	112.575	94.556	92.770	91.720	90.459	89.198
47.5	554.888	470.943	274.318	102.383	90.406	89.303	87.937	86.519	85.153
50.0	559.616	462.170	255.249	97.393	86.624	84.943	83.157	82.054	80.793
52.5	611.727	490.695	245.794	93.085	83.787	79.690	78.692	78.324	77.326
55.0	583.833	436.587	196.204	88.830	80.425	75.487	74.594	75.487	74.752
57.5	498.049	360.259	159.065	83.892	75.750	71.443	70.707	72.441	71.968
60.0	414.734	296.854	133.482	77.116	70.129	66.872	66.084	68.711	68.921
62.5	356.950	255.144	116.619	68.658	62.722	60.253	56.051	58.257	59.308
65.0	318.970	223.993	100.965	59.098	53.162	43.181	34.723	30.363	31.361
67.5	296.697	205.502	88.883	48.224	36.142	21.065	12.397	7.722	8.878
70.0	255.039	187.064	79.637	31.676	15.759	5.043	1.523	1.261	1.208
72.5	161.008	116.935	52.321	15.707	3.047	1.051	0.946	0.946	0.946
75.0	65.034	45.912	24.847	2.627	0.893	0.630	0.473	0.420	0.473
77.5	21.906	16.810	5.621	0.788	0.473	0.263	0.158	0.158	0.158
80.0	5.936	3.204	0.946	0.420	0.210	0.105	0.105	0.105	0.105
82.5	1.523	0.946	0.473	0.210	0.158	0.105	0.105	0.105	0.105
85.0	0.578	0.473	0.315	0.158	0.105	0.105	0.053	0.105	0.105
87.5	0.368	0.315	0.263	0.158	0.105	0.105	0.053	0.105	0.105
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L30-840-T2-XXX-CGL-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

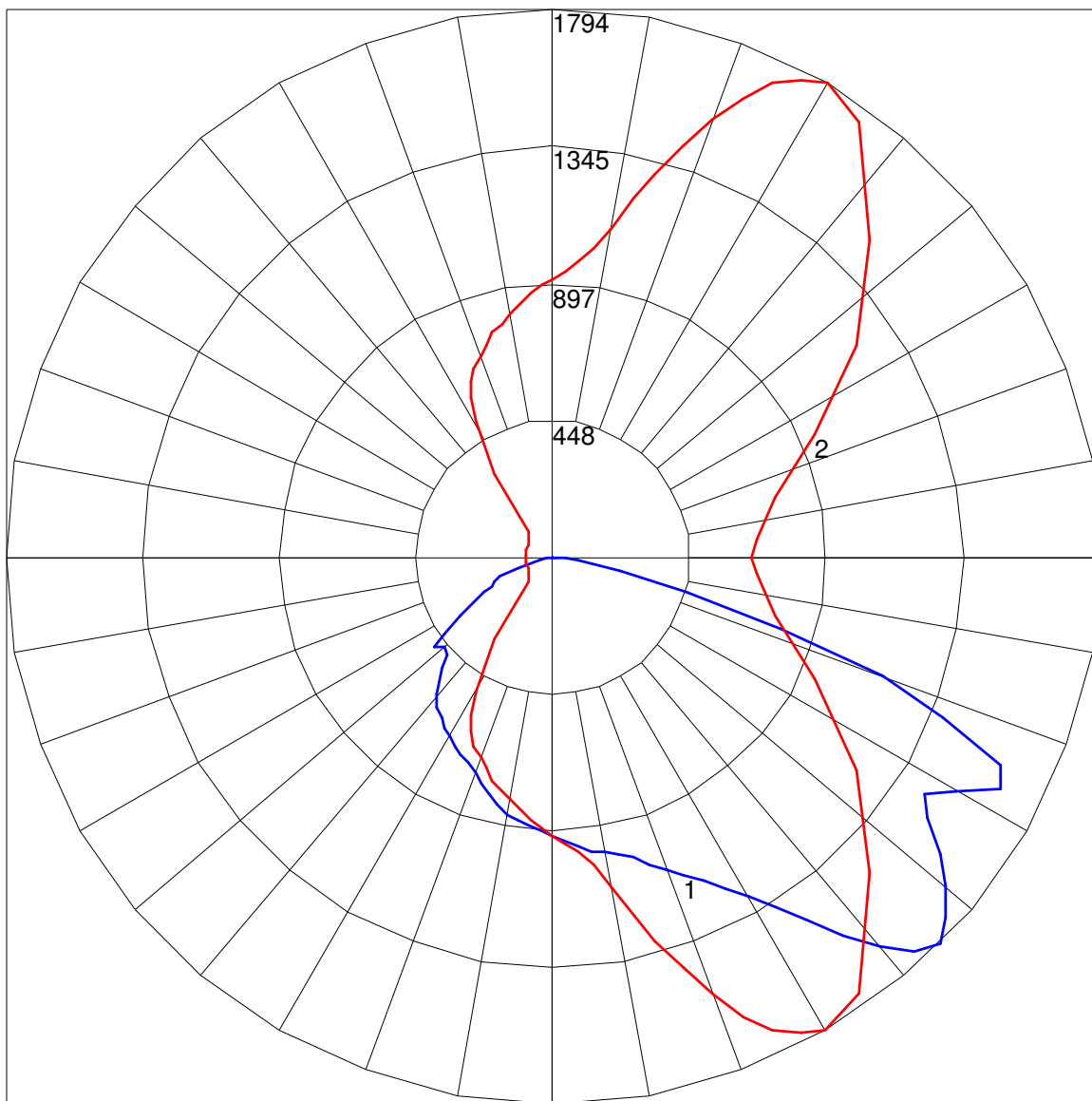
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

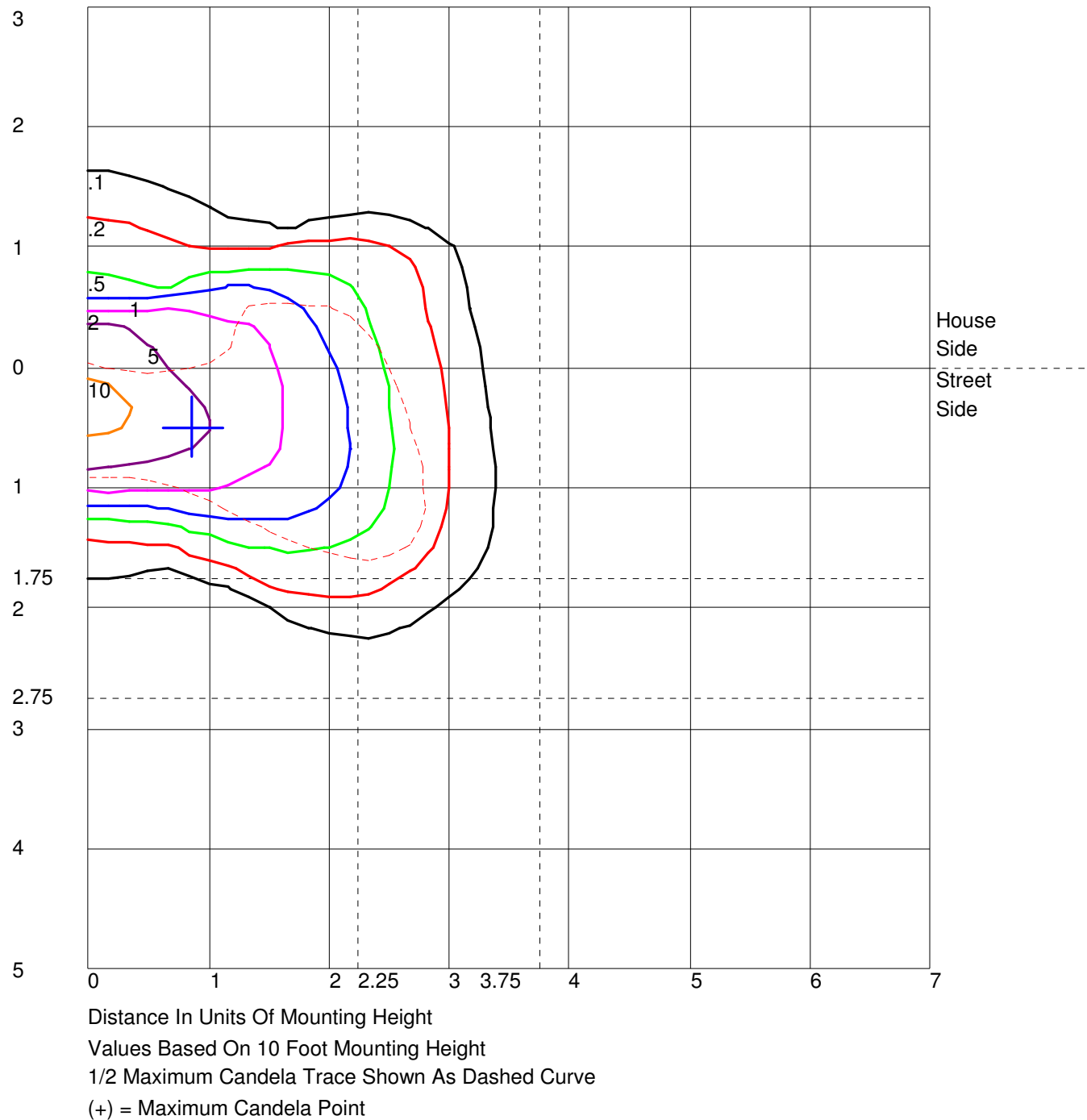
	Lumens	Percent Of Luminaire
Downward Street Side	2274.0	71.6
Downward House Side	901.2	28.4
Downward Total	3175.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3175.2	100.0

POLAR GRAPH

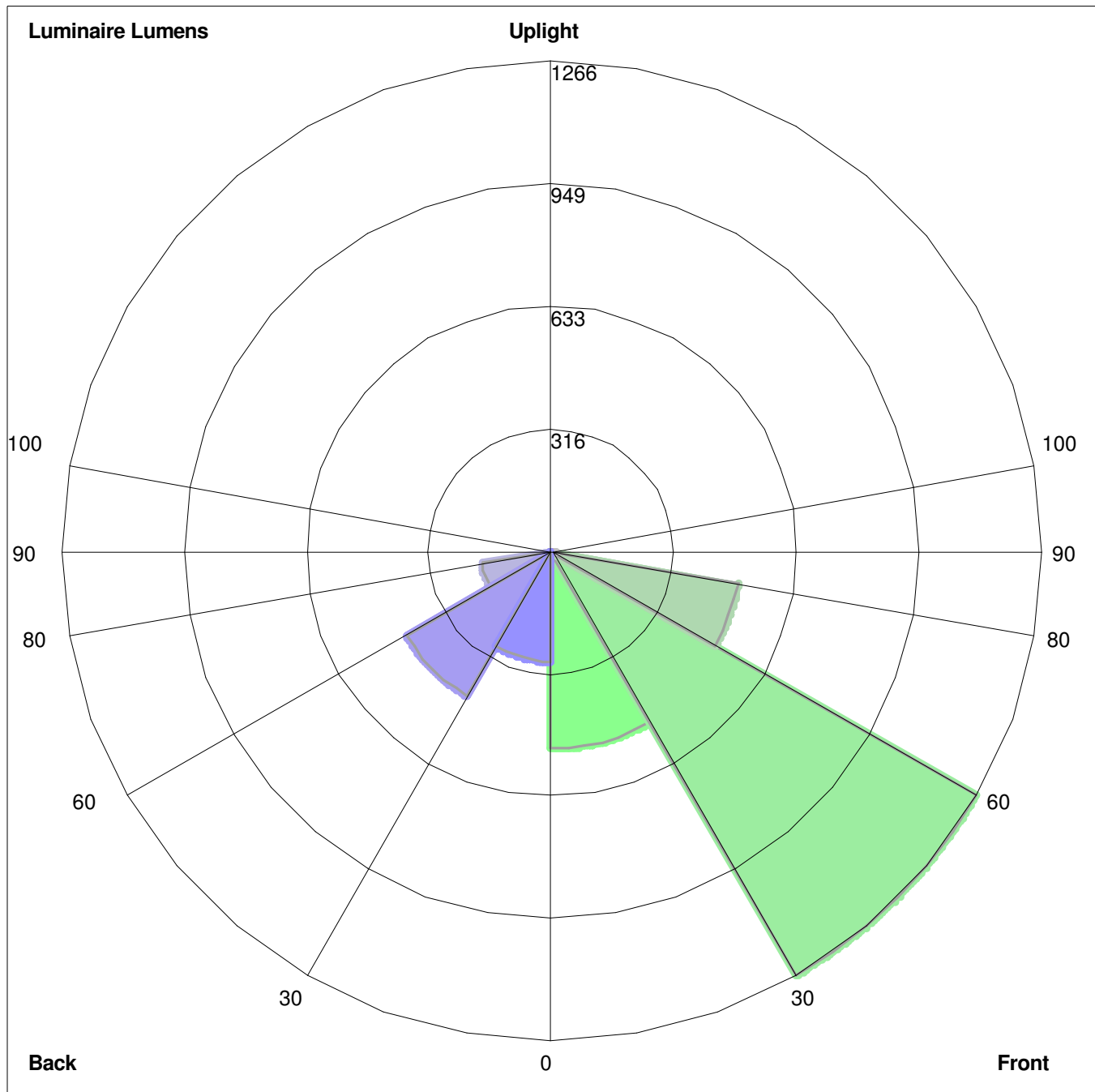


Maximum Candela = 1793.838 Located At Horizontal Angle = 60, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
 Front: Low=510.6, Medium=1265.7, High=489.3, Very High=8.4
 Back: Low=284.4, Medium=432.7, High=183.0, Very High=1.1
 Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1