



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-740-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-L30-740-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	3468
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1433.261
Maximum Candela Angle	0H 35V
Maximum Candela (<90 Degrees Vertical)	1433.261
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	445.994 (12.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L30-740-T3-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	459.3	N.A.	13.2
FM - Front-Medium (30-60)	1289.2	N.A.	37.2
FH - Front-High (60-80)	664.8	N.A.	19.2
FVH - Front-Very High (80-90)	27.7	N.A.	0.8
BL - Back-Low (0-30)	291.3	N.A.	8.4
BM - Back-Medium (30-60)	511.7	N.A.	14.8
BH - Back-High (60-80)	219.0	N.A.	6.3
BVH - Back-Very High (80-90)	5.0	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	3468.0	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	890.235	890.235	890.235	890.235	890.235	890.235	890.235	890.235	890.235	890.235
2.5	918.877	921.799	926.476	922.968	922.384	917.708	913.031	906.602	905.433	897.834
5.0	944.596	948.103	952.195	949.857	949.272	945.765	941.089	935.828	934.074	921.215
7.5	965.054	968.562	970.900	969.146	967.977	969.146	966.808	964.470	964.470	949.857
10.0	1000.711	1003.633	1004.802	1001.880	998.372	997.788	993.696	991.358	994.865	979.668
12.5	1038.705	1040.458	1040.458	1040.458	1039.874	1039.874	1030.521	1021.169	1023.507	1007.140
15.0	1046.304	1048.057	1048.642	1054.487	1064.424	1076.115	1071.438	1056.825	1050.395	1029.352
17.5	1050.395	1049.811	1050.395	1052.733	1064.424	1087.805	1098.911	1091.897	1074.361	1047.473
20.0	1102.418	1102.418	1102.418	1088.390	1078.453	1085.467	1105.925	1117.031	1097.158	1063.255
22.5	1207.633	1201.788	1196.527	1161.456	1124.046	1097.742	1098.911	1126.968	1115.278	1080.206
25.0	1305.249	1299.404	1290.636	1237.444	1179.576	1128.722	1097.742	1121.708	1129.307	1091.312
27.5	1368.378	1365.456	1357.857	1294.143	1224.000	1166.132	1113.524	1113.524	1137.490	1100.080
30.0	1413.387	1408.711	1398.189	1330.968	1256.733	1198.865	1139.244	1115.862	1142.751	1106.510
32.5	1432.092	1426.246	1411.633	1353.180	1287.713	1229.261	1167.301	1128.722	1143.920	1111.771
35.0	1433.261	1428.000	1414.556	1364.286	1313.433	1261.410	1195.358	1144.504	1147.427	1122.292
37.5	1412.802	1411.633	1398.774	1364.286	1340.905	1294.728	1222.246	1150.350	1152.103	1132.229
40.0	1330.968	1322.785	1314.017	1325.708	1350.842	1332.137	1249.719	1153.272	1157.364	1150.350
42.5	1136.905	1126.384	1121.123	1187.759	1325.708	1372.470	1282.453	1158.533	1157.948	1176.653
45.0	917.708	906.602	904.848	971.484	1215.232	1394.097	1312.848	1167.301	1160.286	1201.788
47.5	768.653	761.639	761.639	814.246	996.619	1380.069	1344.413	1177.238	1162.040	1227.507
50.0	684.481	678.636	678.636	727.152	873.868	1311.094	1380.069	1186.590	1167.885	1248.550
52.5	614.338	609.077	610.246	657.593	826.521	1131.645	1385.914	1211.725	1190.682	1269.593
55.0	554.716	551.209	555.301	600.309	793.203	1046.888	1328.630	1264.332	1212.309	1295.312
57.5	515.553	514.384	516.138	558.808	762.223	996.619	1187.759	1321.031	1238.613	1299.404
60.0	462.946	460.607	458.269	498.017	712.539	927.060	1058.579	1344.413	1241.536	1288.298
62.5	372.928	370.006	367.668	407.415	620.768	830.613	932.321	1307.587	1215.232	1274.854
65.0	253.685	251.931	249.593	298.693	500.355	706.693	792.034	1214.648	1199.450	1292.974
67.5	137.364	137.948	143.209	183.542	370.590	580.436	667.530	1048.057	1214.063	1312.848
70.0	99.370	99.954	102.292	137.948	274.728	452.424	547.702	889.066	1253.811	1322.785
72.5	75.989	75.989	78.911	105.215	211.599	340.195	425.536	735.335	1228.676	1250.304
75.0	58.453	57.868	59.622	78.327	159.576	235.564	305.708	547.117	1094.819	1059.163
77.5	40.917	40.332	42.086	53.192	113.398	155.484	205.169	354.223	872.115	756.963
80.0	24.550	23.966	25.135	31.564	71.312	98.785	119.244	235.564	445.994	354.223
82.5	12.860	12.275	12.860	15.198	36.241	54.361	56.699	154.315	160.745	129.765
85.0	5.845	5.261	5.845	7.014	14.613	24.550	23.966	68.390	50.269	50.269
87.5	1.754	1.754	1.754	2.338	4.092	5.845	7.599	15.198	13.444	15.198
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	890.235	890.235	890.235	890.235	890.235	890.235	890.235	890.235	890.235	890.235
2.5	891.988	888.481	886.143	881.467	879.129	871.530	867.438	865.100	863.347	859.840
5.0	910.693	903.679	897.834	884.974	873.868	853.994	840.550	828.860	820.092	812.493
7.5	936.413	926.476	916.539	894.327	873.868	844.642	821.845	803.140	787.943	778.006
10.0	962.132	949.857	936.413	904.848	876.206	841.135	812.493	790.281	771.576	759.301
12.5	983.759	967.977	952.195	912.447	878.544	839.381	811.324	783.851	756.378	731.828
15.0	1001.295	982.590	960.963	914.785	875.037	838.212	808.401	765.731	720.722	680.390
17.5	1014.739	991.943	965.054	910.693	867.438	832.367	790.865	726.567	658.762	588.619
20.0	1024.092	997.203	965.054	901.925	857.501	818.923	756.378	660.516	541.857	418.521
22.5	1032.275	1001.295	966.223	894.911	849.903	794.372	703.186	548.287	373.513	298.109
25.0	1042.212	1007.140	967.393	891.404	839.966	759.885	619.599	388.711	300.447	290.510
27.5	1048.057	1010.648	967.977	889.650	828.860	714.292	503.278	316.229	303.954	318.567

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CANDELA TABULATION - (Cont.)

30.0	1051.564	1011.817	963.885	884.974	812.493	654.086	381.112	310.968	330.842	351.301
32.5	1053.318	1008.894	956.286	876.791	789.696	576.344	335.519	327.335	357.146	374.682
35.0	1050.980	1001.880	945.180	868.023	761.054	495.679	334.934	340.779	363.576	363.576
37.5	1052.149	996.034	934.074	855.163	723.645	414.430	331.427	339.610	343.117	345.456
40.0	1057.994	995.450	927.060	838.797	673.375	348.378	317.398	318.567	322.659	349.547
42.5	1067.931	997.203	921.799	817.754	616.676	298.109	284.080	300.447	338.441	420.860
45.0	1083.129	1002.464	920.046	798.464	548.287	253.685	249.009	284.080	399.817	462.361
47.5	1103.587	1015.908	927.060	783.851	486.911	209.261	214.521	332.011	424.951	476.974
50.0	1129.307	1031.106	935.244	772.745	440.149	174.189	194.648	355.977	378.774	352.470
52.5	1148.011	1043.966	944.011	769.822	419.106	153.146	201.077	265.375	199.908	182.372
55.0	1182.499	1069.685	964.470	775.668	409.169	137.948	156.069	152.562	134.441	129.181
57.5	1226.923	1100.080	978.499	769.238	385.203	128.011	118.074	119.244	116.321	109.891
60.0	1235.106	1117.031	995.450	754.625	354.223	118.074	103.461	102.877	104.046	101.123
62.5	1251.473	1117.031	989.020	713.708	326.166	107.553	94.109	88.848	92.940	89.433
65.0	1290.052	1136.905	987.266	679.221	293.433	96.447	82.418	75.989	70.728	74.819
67.5	1347.920	1173.731	1017.077	690.327	264.791	86.510	64.883	52.023	43.840	39.748
70.0	1373.054	1183.668	1024.092	710.785	237.903	73.650	43.840	24.550	11.106	2.338
72.5	1288.882	1100.080	946.934	671.037	206.338	54.946	22.212	4.676	1.754	1.754
75.0	1025.261	870.946	745.272	566.991	147.885	32.149	4.092	1.754	1.169	1.169
77.5	586.865	495.679	416.768	397.478	71.897	9.352	1.169	1.169	0.585	0.585
80.0	216.275	181.203	137.948	163.668	23.381	1.754	0.585	0.585	0.585	0.585
82.5	78.327	63.713	50.854	43.840	6.430	0.585	0.585	0.585	0.585	0.000
85.0	29.811	25.719	21.043	12.275	1.169	0.585	0.585	0.585	0.585	0.585
87.5	8.768	8.183	7.014	1.754	0.585	0.585	0.585	0.585	0.585	0.585
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

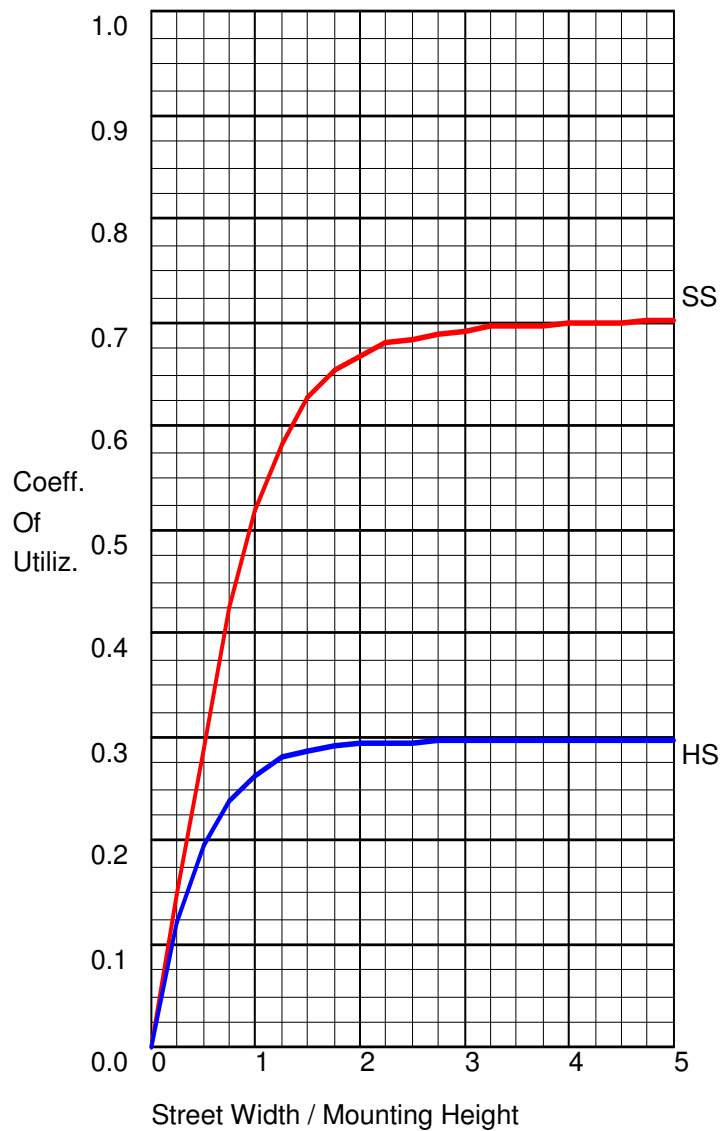
Vert. Horizontal Angles

	<u>175.0</u>	<u>180.0</u>
0.0	890.235	890.235
2.5	863.931	862.762
5.0	814.831	814.831
7.5	777.421	782.682
10.0	756.378	762.808
12.5	722.476	730.074
15.0	662.854	662.854
17.5	554.716	545.948
20.0	369.421	357.146
22.5	284.080	284.665
25.0	292.264	292.264
27.5	324.413	324.413
30.0	357.731	357.731
32.5	378.189	378.189
35.0	362.407	361.238
37.5	347.209	346.625
40.0	388.126	386.957
42.5	451.255	450.670
45.0	486.911	486.327
47.5	491.003	495.095
50.0	322.659	333.181
52.5	180.034	185.295
55.0	126.842	128.596
57.5	106.968	106.968
60.0	99.370	98.785
62.5	94.109	94.693
65.0	88.264	90.602

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L30-740-T3-XXX-CGL-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

67.5	25.719	17.536
70.0	1.754	1.754
72.5	1.754	1.754
75.0	1.169	1.169
77.5	0.585	0.000
80.0	0.000	0.000
82.5	0.000	0.000
85.0	0.000	0.585
87.5	0.585	0.000
90.0	0.000	0.000

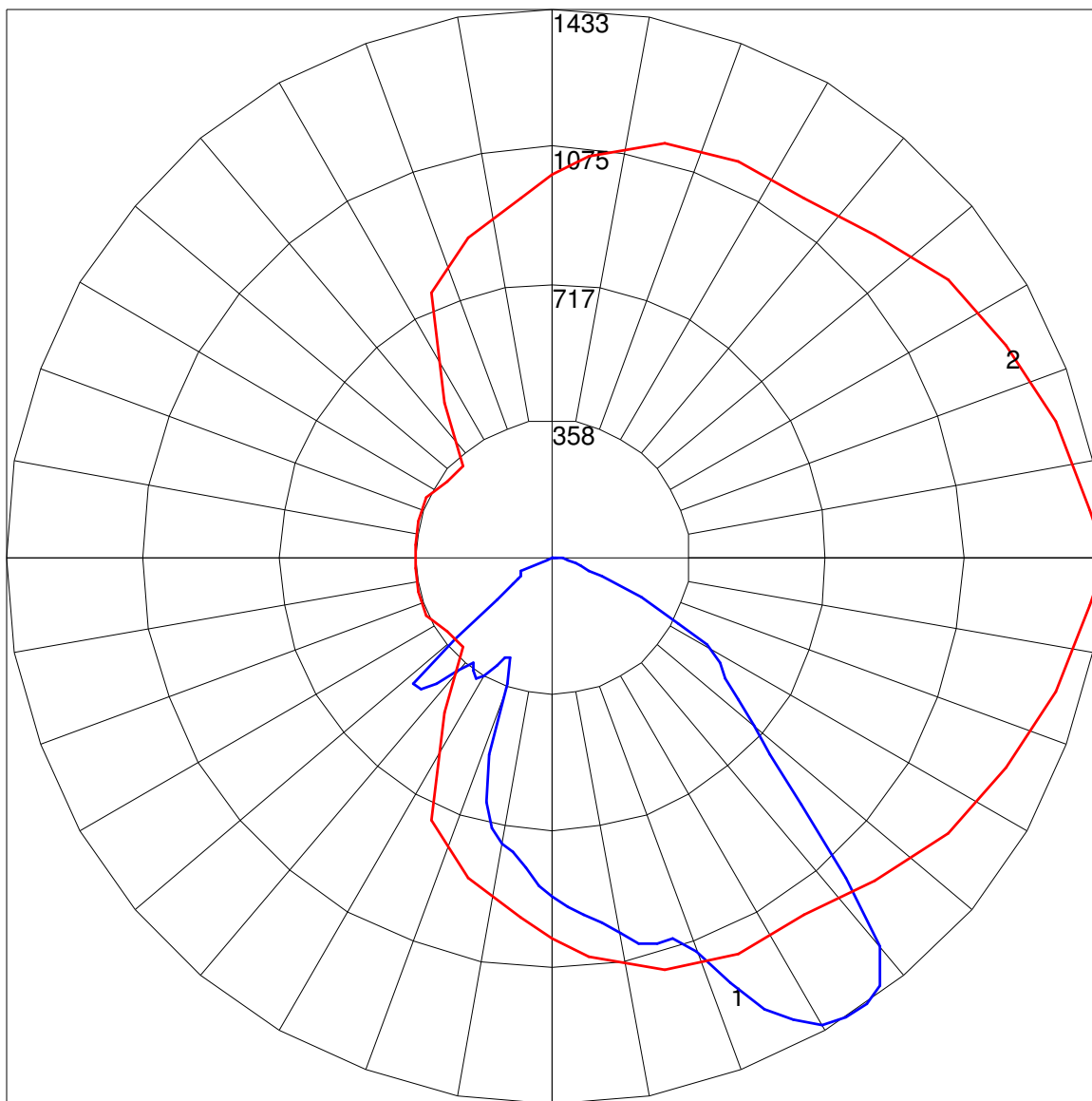
COEFFICIENTS OF UTILIZATION



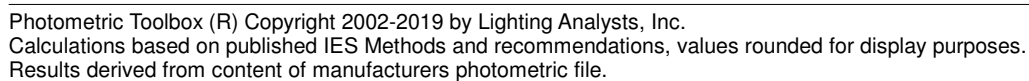
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2441.1	70.4
Downward House Side	1027.0	29.6
Downward Total	3468.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3468.1	100.0

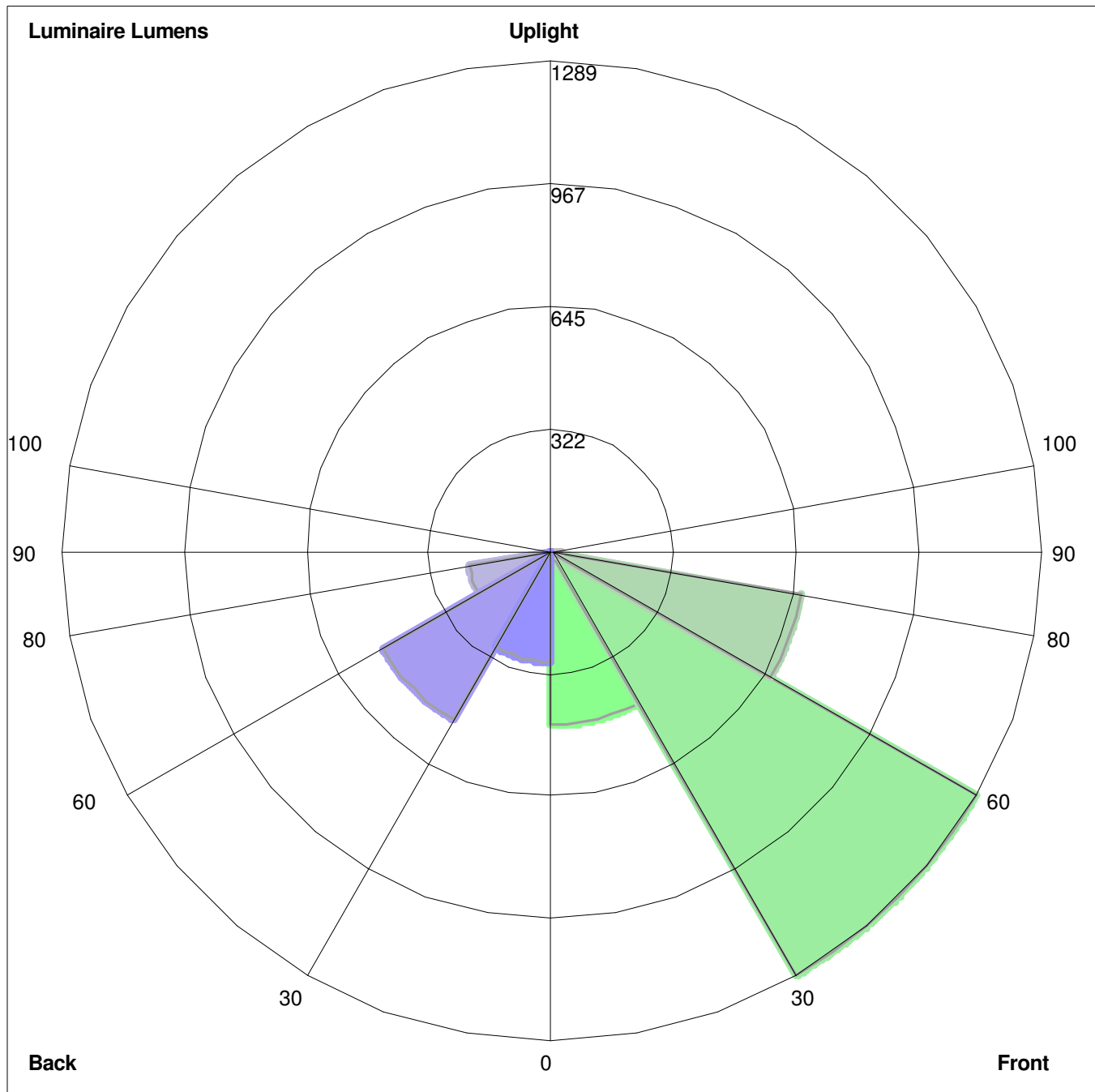
POLAR GRAPH



Maximum Candela = 1433.261 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.)



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=459.3, Medium=1289.2, High=664.8, Very High=27.7
Back: Low=291.3, Medium=511.7, High=219.0, Very High=5.0
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1