



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-840-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-L30-840-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	3156
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1304.267
Maximum Candela Angle	0H 35V
Maximum Candela (<90 Degrees Vertical)	1304.267
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	405.855 (12.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L30-840-T3-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	418.0	N.A.	13.2
FM - Front-Medium (30-60)	1173.2	N.A.	37.2
FH - Front-High (60-80)	605.0	N.A.	19.2
FVH - Front-Very High (80-90)	25.2	N.A.	0.8
BL - Back-Low (0-30)	265.1	N.A.	8.4
BM - Back-Medium (30-60)	465.6	N.A.	14.8
BH - Back-High (60-80)	199.3	N.A.	6.3
BVH - Back-Very High (80-90)	4.5	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	3155.9	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	810.114	810.114	810.114	810.114	810.114	810.114	810.114	810.114	810.114	810.114
2.5	836.178	838.837	843.093	839.901	839.369	835.114	830.859	825.008	823.944	817.029
5.0	859.582	862.774	866.497	864.370	863.838	860.646	856.391	851.604	850.008	838.306
7.5	878.200	881.391	883.519	881.923	880.859	881.923	879.795	877.668	877.668	864.370
10.0	910.647	913.306	914.370	911.710	908.519	907.987	904.264	902.136	905.327	891.498
12.5	945.221	946.817	946.817	946.817	946.285	946.285	937.775	929.264	931.392	916.498
15.0	952.136	953.732	954.264	959.583	968.626	979.264	975.009	961.711	955.860	936.711
17.5	955.860	955.328	955.860	957.988	968.626	989.903	1000.009	993.626	977.669	953.200
20.0	1003.201	1003.201	1003.201	990.435	981.392	987.775	1006.392	1016.499	998.413	967.562
22.5	1098.946	1093.627	1088.840	1056.925	1022.882	998.945	1000.009	1025.541	1014.903	982.988
25.0	1187.777	1182.458	1174.479	1126.074	1073.414	1027.137	998.945	1020.754	1027.669	993.094
27.5	1245.224	1242.565	1235.650	1177.670	1113.840	1061.180	1013.307	1013.307	1035.116	1001.073
30.0	1286.182	1281.927	1272.352	1211.181	1143.628	1090.967	1036.712	1015.435	1039.903	1006.924
32.5	1303.203	1297.884	1284.586	1231.394	1171.819	1118.627	1062.244	1027.137	1040.967	1011.711
35.0	1304.267	1299.480	1287.246	1241.501	1195.224	1147.883	1087.776	1041.499	1044.159	1021.286
37.5	1285.650	1284.586	1272.884	1241.501	1220.224	1178.202	1112.244	1046.818	1048.414	1030.329
40.0	1211.181	1203.734	1195.756	1206.394	1229.267	1212.245	1137.244	1049.478	1053.201	1046.818
42.5	1034.584	1025.009	1020.222	1080.861	1206.394	1248.948	1167.032	1054.265	1053.733	1070.755
45.0	835.114	825.008	823.412	884.051	1105.861	1268.629	1194.692	1062.244	1055.861	1093.627
47.5	699.475	693.091	693.091	740.964	906.923	1255.863	1223.415	1071.286	1057.457	1117.032
50.0	622.878	617.559	617.559	661.708	795.220	1193.096	1255.863	1079.797	1062.776	1136.181
52.5	559.048	554.260	555.324	598.410	752.135	1029.797	1261.182	1102.670	1083.521	1155.330
55.0	504.792	501.600	505.324	546.282	721.815	952.668	1209.054	1150.542	1103.202	1178.734
57.5	469.153	468.089	469.685	508.515	693.623	906.923	1080.861	1202.139	1127.138	1182.458
60.0	421.280	419.153	417.025	453.196	648.410	843.625	963.307	1223.415	1129.798	1172.351
62.5	339.365	336.705	334.578	370.748	564.899	755.858	848.412	1189.905	1105.861	1160.117
65.0	230.853	229.257	227.130	271.811	455.323	643.091	720.751	1105.329	1091.499	1176.607
67.5	125.001	125.533	130.320	167.023	337.237	528.196	607.452	953.732	1104.797	1194.692
70.0	90.426	90.958	93.086	125.533	250.002	411.706	498.409	809.050	1140.968	1203.734
72.5	69.150	69.150	71.809	95.746	192.555	309.577	387.238	669.155	1118.095	1137.776
75.0	53.192	52.660	54.256	71.277	145.214	214.364	278.194	497.877	996.286	963.839
77.5	37.234	36.702	38.298	48.405	103.192	141.491	186.704	322.343	793.624	688.836
80.0	22.341	21.809	22.873	28.724	64.894	89.894	108.512	214.364	405.855	322.343
82.5	11.702	11.170	11.702	13.830	32.979	49.469	51.596	140.427	146.278	118.086
85.0	5.319	4.787	5.319	6.383	13.298	22.341	21.809	62.235	45.745	45.745
87.5	1.596	1.596	1.596	2.128	3.723	5.319	6.915	13.830	12.234	13.830
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	810.114	810.114	810.114	810.114	810.114	810.114	810.114	810.114	810.114	810.114
2.5	811.710	808.518	806.390	802.135	800.007	793.092	789.369	787.241	785.646	782.454
5.0	828.731	822.348	817.029	805.327	795.220	777.135	764.901	754.262	746.283	739.368
7.5	852.135	843.093	834.050	813.837	795.220	768.624	747.879	730.858	717.028	707.985
10.0	875.540	864.370	852.135	823.412	797.348	765.433	739.368	719.156	702.134	690.964
12.5	895.221	880.859	866.497	830.327	799.475	763.837	738.305	713.304	688.304	665.964
15.0	911.179	894.157	874.476	832.454	796.284	762.773	735.645	696.815	655.857	619.155
17.5	923.413	902.668	878.200	828.731	789.369	757.454	719.687	661.176	599.474	535.643
20.0	931.923	907.455	878.200	820.752	780.326	745.220	688.304	601.069	493.090	380.855
22.5	939.370	911.179	879.263	814.369	773.411	722.879	639.899	498.941	339.897	271.279
25.0	948.413	916.498	880.327	811.178	764.369	691.496	563.835	353.727	273.407	264.364
27.5	953.732	919.689	880.859	809.582	754.262	650.006	457.983	287.769	276.598	289.896

IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-840-T3-XXX-CGL-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

30.0	956.924	920.753	877.136	805.327	739.368	595.218	346.812	282.981	301.067	319.684
32.5	958.519	918.094	870.221	797.880	718.624	524.473	305.322	297.875	325.003	340.961
35.0	956.392	911.710	860.114	789.901	692.560	451.068	304.790	310.109	330.854	330.854
37.5	957.456	906.391	850.008	778.199	658.517	377.131	301.599	309.045	312.237	314.365
40.0	962.775	905.859	843.625	763.305	612.772	317.024	288.832	289.896	293.620	318.088
42.5	971.817	907.455	838.837	744.156	561.175	271.279	258.513	273.407	307.982	382.982
45.0	985.647	912.242	837.242	726.602	498.941	230.853	226.598	258.513	363.833	420.749
47.5	1004.265	924.477	843.625	713.304	443.089	190.427	195.215	302.130	386.706	434.047
50.0	1027.669	938.306	851.072	703.198	400.536	158.512	177.129	323.939	344.684	320.748
52.5	1044.690	950.009	859.050	700.538	381.386	139.363	182.980	241.492	181.917	165.959
55.0	1076.074	973.413	877.668	705.858	372.344	125.533	142.023	138.831	122.342	117.554
57.5	1116.500	1001.073	890.434	700.006	350.535	116.490	107.448	108.512	105.852	100.001
60.0	1123.946	1016.499	905.859	686.708	322.343	107.448	94.150	93.618	94.682	92.022
62.5	1138.840	1016.499	900.008	649.474	296.811	97.873	85.639	80.852	84.575	81.384
65.0	1173.947	1034.584	898.413	618.091	267.024	87.767	75.001	69.150	64.362	68.086
67.5	1226.607	1068.095	925.540	628.197	240.960	78.724	59.043	47.341	39.894	36.171
70.0	1249.480	1077.138	931.923	646.814	216.491	67.022	39.894	22.341	10.106	2.128
72.5	1172.883	1001.073	861.710	610.644	187.768	50.000	20.213	4.255	1.596	1.596
75.0	932.987	792.560	678.198	515.962	134.576	29.256	3.723	1.596	1.064	1.064
77.5	534.047	451.068	379.259	361.705	65.426	8.511	1.064	1.064	0.532	0.532
80.0	196.810	164.895	125.533	148.938	21.277	1.596	0.532	0.532	0.532	0.532
82.5	71.277	57.979	46.277	39.894	5.851	0.532	0.532	0.532	0.532	0.000
85.0	27.128	23.404	19.149	11.170	1.064	0.532	0.532	0.532	0.532	0.532
87.5	7.979	7.447	6.383	1.596	0.532	0.532	0.532	0.532	0.532	0.532
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

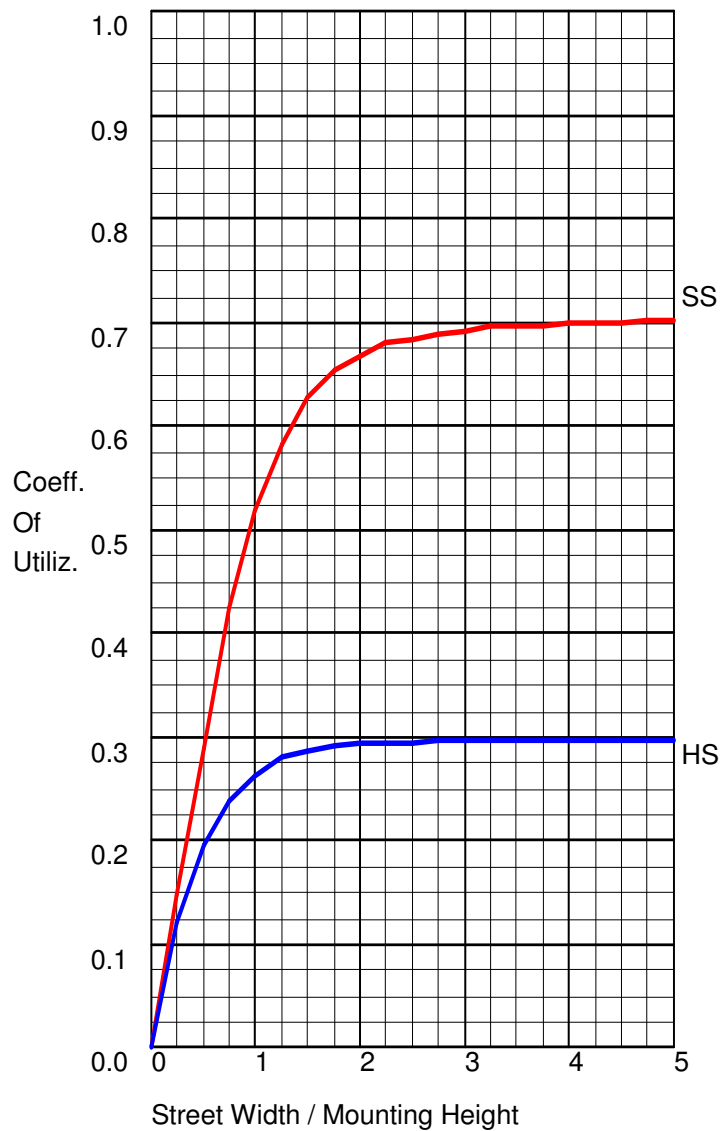
Vert. Horizontal Angles

	<u>175.0</u>	<u>180.0</u>
0.0	810.114	810.114
2.5	786.177	785.114
5.0	741.496	741.496
7.5	707.453	712.241
10.0	688.304	694.155
12.5	657.453	664.368
15.0	603.197	603.197
17.5	504.792	496.813
20.0	336.173	325.003
22.5	258.513	259.045
25.0	265.960	265.960
27.5	295.215	295.215
30.0	325.535	325.535
32.5	344.152	344.152
35.0	329.790	328.726
37.5	315.960	315.428
40.0	353.195	352.131
42.5	410.642	410.110
45.0	443.089	442.557
47.5	446.813	450.536
50.0	293.620	303.194
52.5	163.831	168.619
55.0	115.427	117.022
57.5	97.341	97.341
60.0	90.426	89.894
62.5	85.639	86.171
65.0	80.320	82.448

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L30-840-T3-XXX-CGL-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

67.5	23.404	15.958
70.0	1.596	1.596
72.5	1.596	1.596
75.0	1.064	1.064
77.5	0.532	0.000
80.0	0.000	0.000
82.5	0.000	0.000
85.0	0.000	0.532
87.5	0.532	0.000
90.0	0.000	0.000

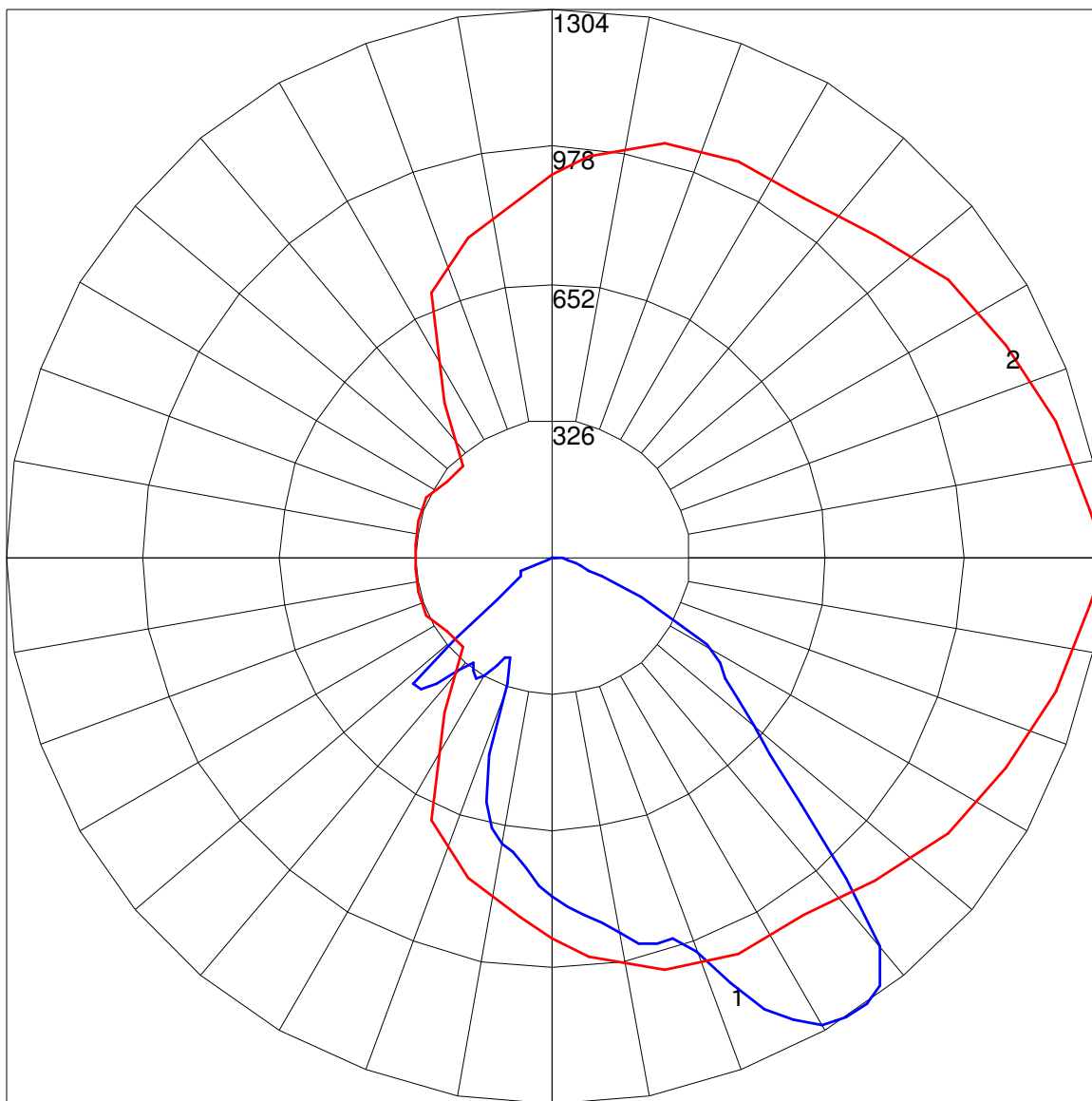
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

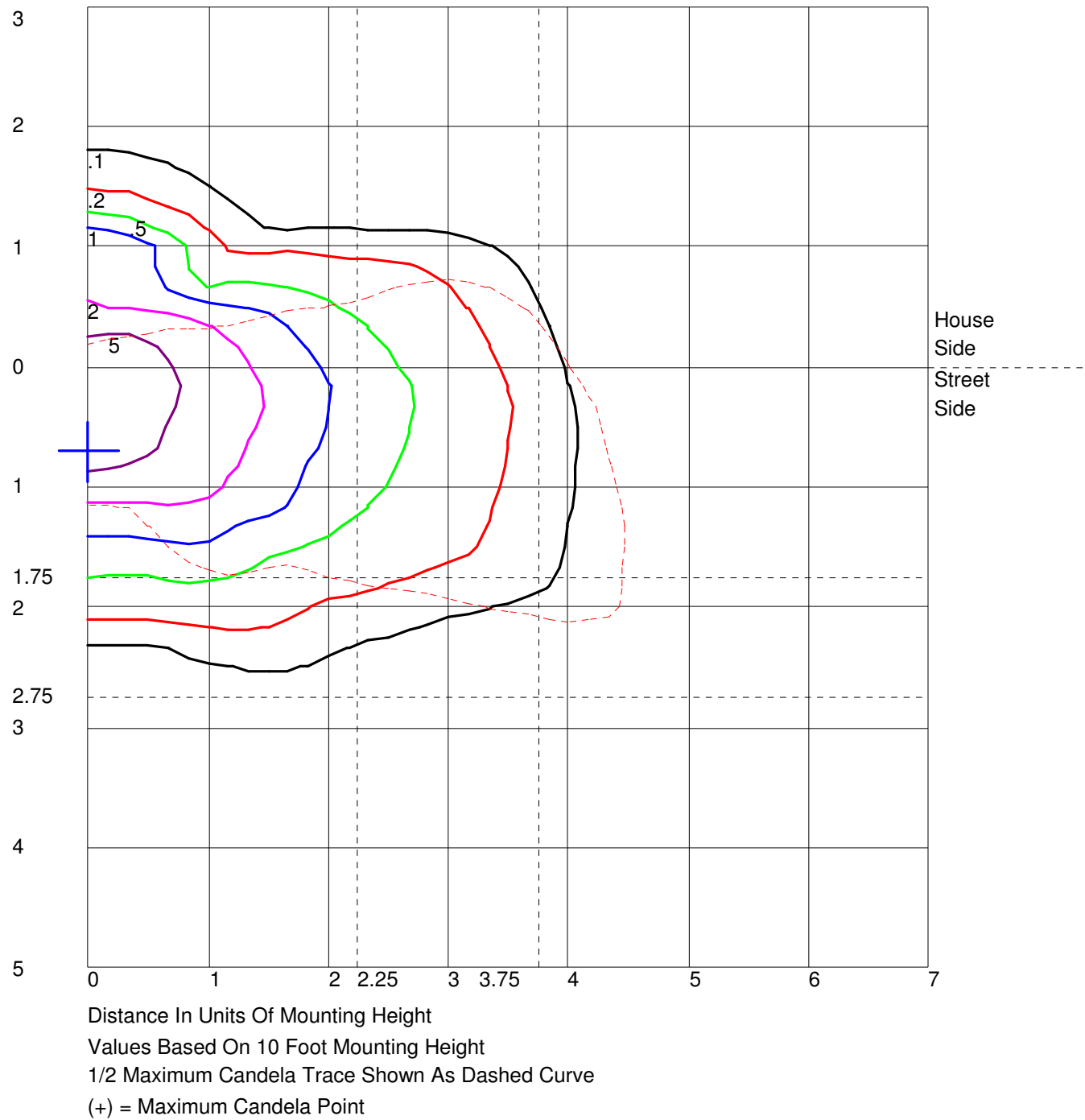
	Lumens	Percent Of Luminaire
Downward Street Side	2221.4	70.4
Downward House Side	934.5	29.6
Downward Total	3155.9	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3155.9	100.0

POLAR GRAPH

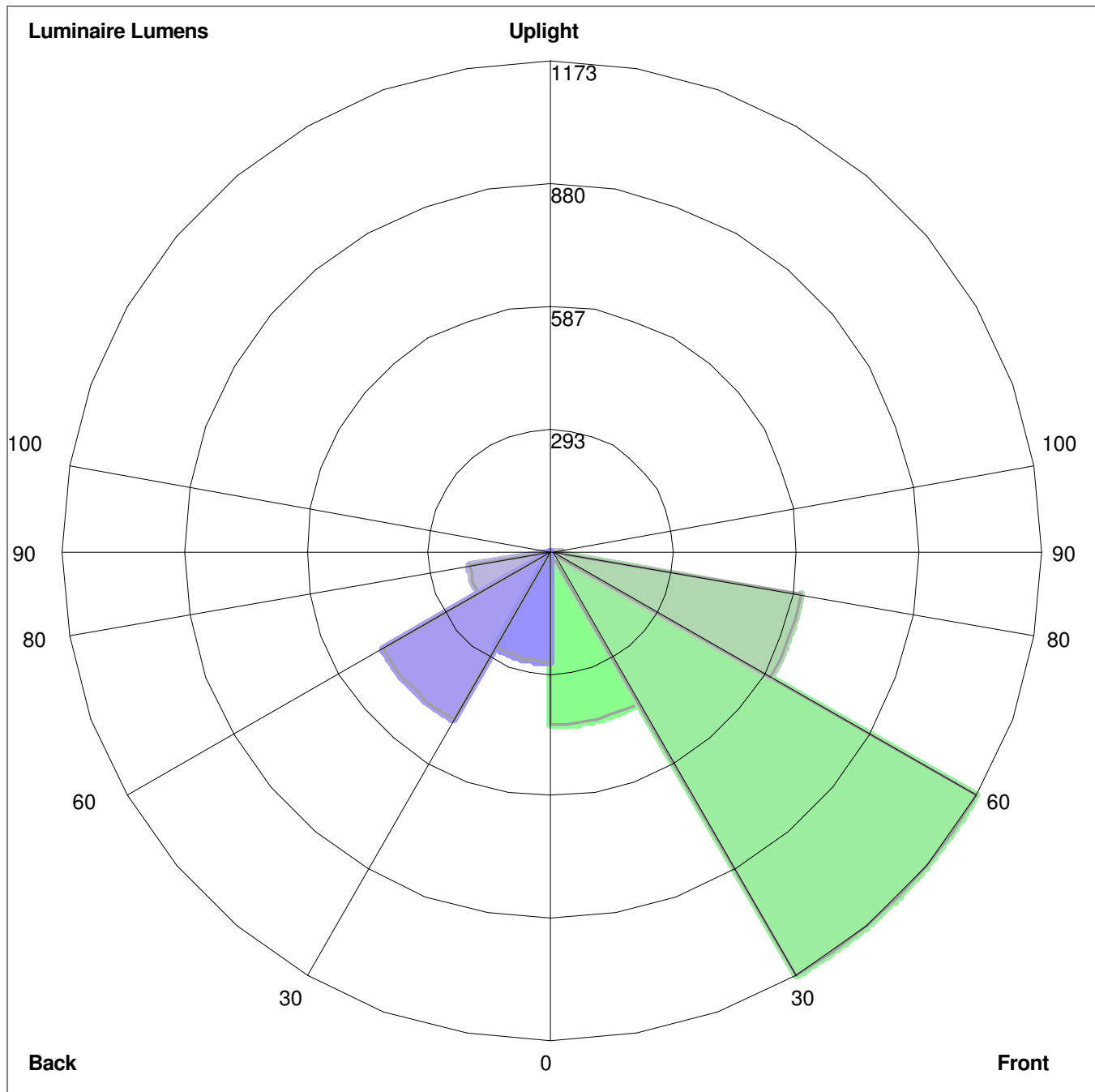


Maximum Candela = 1304.267 Located At Horizontal Angle = 0, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=418.0, Medium=1173.2, High=605.0, Very High=25.2
Back: Low=265.1, Medium=465.6, High=199.3, Very High=4.5
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1