



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-830-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-L30-830-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	2983
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1232.604
Maximum Candela Angle	0H 35V
Maximum Candela (<90 Degrees Vertical)	1232.604
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	383.555 (12.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	395.0	N.A.	13.2
FM - Front-Medium (30-60)	1108.7	N.A.	37.2
FH - Front-High (60-80)	571.8	N.A.	19.2
FVH - Front-Very High (80-90)	23.8	N.A.	0.8
BL - Back-Low (0-30)	250.5	N.A.	8.4
BM - Back-Medium (30-60)	440.1	N.A.	14.8
BH - Back-High (60-80)	188.4	N.A.	6.3
BVH - Back-Very High (80-90)	4.3	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	2982.6	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	765.602	765.602	765.602	765.602	765.602	765.602	765.602	765.602	765.602	765.602
2.5	790.234	792.748	796.769	793.753	793.250	789.229	785.207	779.677	778.672	772.137
5.0	812.353	815.369	818.888	816.877	816.374	813.358	809.336	804.812	803.304	792.245
7.5	829.947	832.963	834.974	833.466	832.460	833.466	831.455	829.444	829.444	816.877
10.0	860.611	863.125	864.130	861.617	858.600	858.098	854.579	852.568	855.584	842.514
12.5	893.286	894.794	894.794	894.794	894.292	894.292	886.248	878.205	880.216	866.141
15.0	899.821	901.329	901.832	906.859	915.405	925.459	921.437	908.870	903.340	885.243
17.5	903.340	902.837	903.340	905.351	915.405	935.512	945.064	939.031	923.950	900.827
20.0	948.080	948.080	948.080	936.015	927.469	933.502	951.096	960.647	943.556	914.399
22.5	1038.565	1033.538	1029.013	998.852	966.679	944.058	945.064	969.193	959.139	928.977
25.0	1122.514	1117.487	1109.947	1064.202	1014.435	970.701	944.058	964.669	971.204	938.529
27.5	1176.805	1174.292	1167.757	1112.963	1052.640	1002.873	957.631	957.631	978.241	946.069
30.0	1215.513	1211.491	1202.443	1144.633	1080.791	1031.024	979.749	959.642	982.766	951.599
32.5	1231.599	1226.572	1214.005	1163.735	1107.434	1057.164	1003.879	970.701	983.771	956.123
35.0	1232.604	1228.080	1216.518	1173.286	1129.552	1084.812	1028.008	984.274	986.787	965.171
37.5	1215.010	1214.005	1202.945	1173.286	1153.179	1113.466	1051.132	989.301	990.809	973.717
40.0	1144.633	1137.595	1130.055	1140.109	1161.724	1145.638	1074.759	991.814	995.333	989.301
42.5	977.739	968.690	964.166	1021.473	1140.109	1180.324	1102.909	996.338	995.836	1011.922
45.0	789.229	779.677	778.169	835.476	1045.100	1198.924	1129.049	1003.879	997.846	1033.538
47.5	661.042	655.010	655.010	700.252	857.092	1186.859	1156.195	1012.425	999.355	1055.656
50.0	588.654	583.627	583.627	625.351	751.527	1127.541	1186.859	1020.468	1004.381	1073.753
52.5	528.331	523.807	524.812	565.530	710.808	973.214	1191.886	1042.083	1023.986	1091.850
55.0	477.056	474.040	477.559	516.266	682.155	900.324	1142.622	1087.326	1042.586	1113.969
57.5	443.376	442.370	443.878	480.575	655.512	857.092	1021.473	1136.087	1065.207	1117.487
60.0	398.133	396.122	394.112	428.295	612.783	797.272	910.378	1156.195	1067.721	1107.936
62.5	320.718	318.205	316.194	350.377	533.860	714.327	801.796	1124.525	1045.100	1096.374
65.0	218.169	216.661	214.650	256.876	430.306	607.756	681.150	1044.597	1031.527	1111.958
67.5	118.133	118.636	123.160	157.846	318.708	499.175	574.076	901.329	1044.094	1129.049
70.0	85.458	85.961	87.971	118.636	236.266	389.085	471.024	764.597	1078.277	1137.595
72.5	65.350	65.350	67.864	90.485	181.975	292.568	365.961	632.388	1056.662	1075.261
75.0	50.269	49.767	51.275	67.361	137.235	202.585	262.909	470.521	941.545	910.880
77.5	35.189	34.686	36.194	45.745	97.523	133.716	176.445	304.632	750.019	650.988
80.0	21.113	20.610	21.616	27.145	61.329	84.955	102.549	202.585	383.555	304.632
82.5	11.059	10.557	11.059	13.070	31.167	46.750	48.761	132.711	138.241	111.598
85.0	5.027	4.524	5.027	6.032	12.567	21.113	20.610	58.815	43.232	43.232
87.5	1.508	1.508	1.508	2.011	3.519	5.027	6.535	13.070	11.562	13.070
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	765.602	765.602	765.602	765.602	765.602	765.602	765.602	765.602	765.602	765.602
2.5	767.110	764.094	762.083	758.062	756.051	749.516	745.997	743.986	742.478	739.462
5.0	783.196	777.164	772.137	761.078	751.527	734.435	722.873	712.819	705.279	698.744
7.5	805.315	796.769	788.223	769.121	751.527	726.392	706.787	690.701	677.631	669.085
10.0	827.433	816.877	805.315	778.169	753.537	723.376	698.744	679.641	663.555	652.999
12.5	846.033	832.460	818.888	784.704	755.548	721.868	697.738	674.112	650.485	629.372
15.0	861.114	845.028	826.428	786.715	752.532	720.862	695.225	658.528	619.821	585.135
17.5	872.676	853.071	829.947	783.196	745.997	715.835	680.144	624.848	566.535	506.212
20.0	880.719	857.595	829.947	775.656	737.451	704.273	650.485	568.044	465.997	359.928
22.5	887.757	861.114	830.952	769.624	730.916	683.160	604.740	471.526	321.221	256.374
25.0	896.302	866.141	831.958	766.607	722.370	653.501	532.855	334.291	258.384	249.839
27.5	901.329	869.157	832.460	765.099	712.819	614.291	432.819	271.957	261.401	273.968

IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-830-T3-XXX-CGL-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

30.0	904.345	870.162	828.941	761.078	698.744	562.514	327.756	267.433	284.524	302.119
32.5	905.854	867.649	822.406	754.040	679.139	495.656	288.546	281.508	307.146	322.226
35.0	903.843	861.617	812.855	746.500	654.507	426.284	288.043	293.070	312.675	312.675
37.5	904.848	856.590	803.304	735.440	622.334	356.410	285.027	292.065	295.081	297.092
40.0	909.875	856.087	797.272	721.365	579.103	299.605	272.963	273.968	277.487	300.611
42.5	918.421	857.595	792.748	703.268	530.342	256.374	244.309	258.384	291.059	361.939
45.0	931.491	862.119	791.239	686.679	471.526	218.169	214.147	244.309	343.842	397.630
47.5	949.085	873.681	797.272	674.112	418.744	179.964	184.488	285.530	365.458	410.198
50.0	971.204	886.751	804.309	664.561	378.528	149.803	167.397	306.140	325.745	303.124
52.5	987.290	897.810	811.850	662.047	360.431	131.706	172.927	228.223	171.921	156.840
55.0	1016.949	919.929	829.444	667.074	351.885	118.636	134.219	131.203	115.619	111.095
57.5	1055.153	946.069	841.509	661.545	331.275	110.090	101.544	102.549	100.036	94.506
60.0	1062.191	960.647	856.087	648.977	304.632	101.544	88.977	88.474	89.479	86.966
62.5	1076.267	960.647	850.557	613.789	280.503	92.496	80.934	76.409	79.928	76.912
65.0	1109.444	977.739	849.049	584.130	252.352	82.944	70.880	65.350	60.826	64.345
67.5	1159.211	1009.408	874.687	593.681	227.720	74.399	55.799	44.740	37.702	34.183
70.0	1180.827	1017.954	880.719	611.275	204.596	63.339	37.702	21.113	9.551	2.011
72.5	1108.439	946.069	814.363	577.092	177.451	47.253	19.102	4.022	1.508	1.508
75.0	881.724	749.013	640.934	487.613	127.181	27.648	3.519	1.508	1.005	1.005
77.5	504.704	426.284	358.420	341.832	61.831	8.043	1.005	1.005	0.503	0.503
80.0	185.997	155.835	118.636	140.754	20.108	1.508	0.503	0.503	0.503	0.503
82.5	67.361	54.794	43.734	37.702	5.530	0.503	0.503	0.503	0.503	0.000
85.0	25.637	22.119	18.097	10.557	1.005	0.503	0.503	0.503	0.503	0.503
87.5	7.540	7.038	6.032	1.508	0.503	0.503	0.503	0.503	0.503	0.503
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

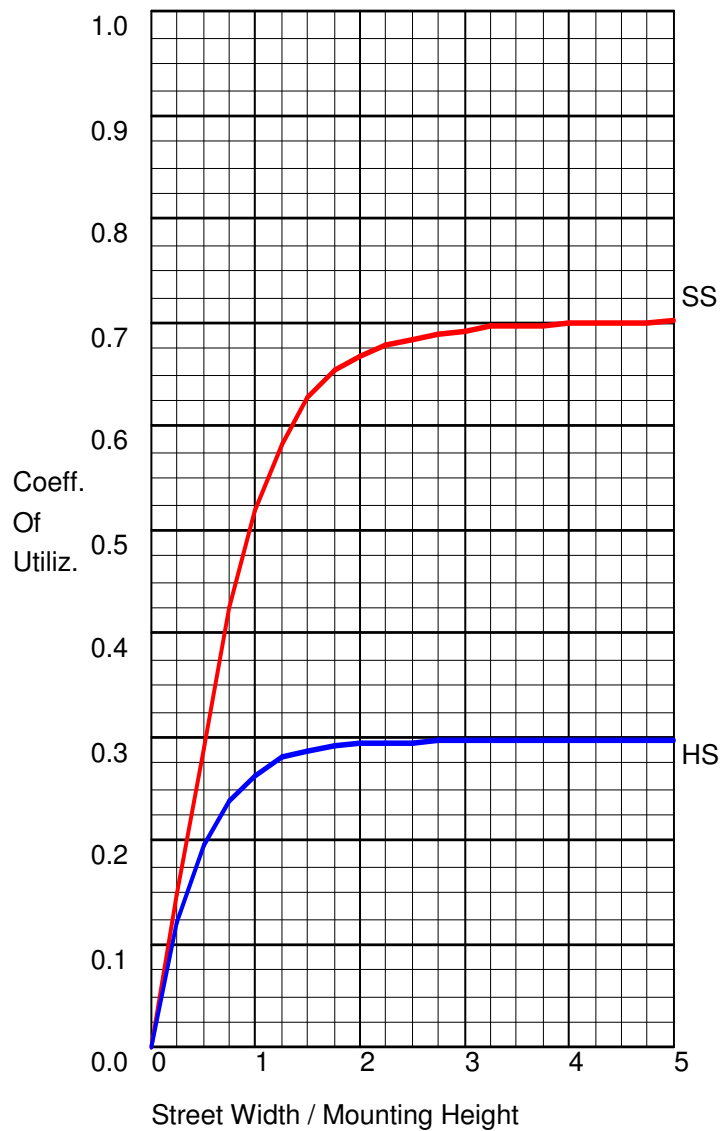
Vert. Horizontal Angles

	<u>175.0</u>	<u>180.0</u>
0.0	765.602	765.602
2.5	742.981	741.975
5.0	700.755	700.755
7.5	668.582	673.106
10.0	650.485	656.015
12.5	621.329	627.864
15.0	570.054	570.054
17.5	477.056	469.516
20.0	317.702	307.146
22.5	244.309	244.812
25.0	251.347	251.347
27.5	278.995	278.995
30.0	307.648	307.648
32.5	325.243	325.243
35.0	311.670	310.665
37.5	298.600	298.097
40.0	333.788	332.783
42.5	388.079	387.577
45.0	418.744	418.241
47.5	422.262	425.781
50.0	277.487	286.535
52.5	154.830	159.354
55.0	109.084	110.593
57.5	91.993	91.993
60.0	85.458	84.955
62.5	80.934	81.436
65.0	75.907	77.917

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L30-830-T3-XXX-CGL-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

67.5	22.119	15.081
70.0	1.508	1.508
72.5	1.508	1.508
75.0	1.005	1.005
77.5	0.503	0.000
80.0	0.000	0.000
82.5	0.000	0.000
85.0	0.000	0.503
87.5	0.503	0.000
90.0	0.000	0.000

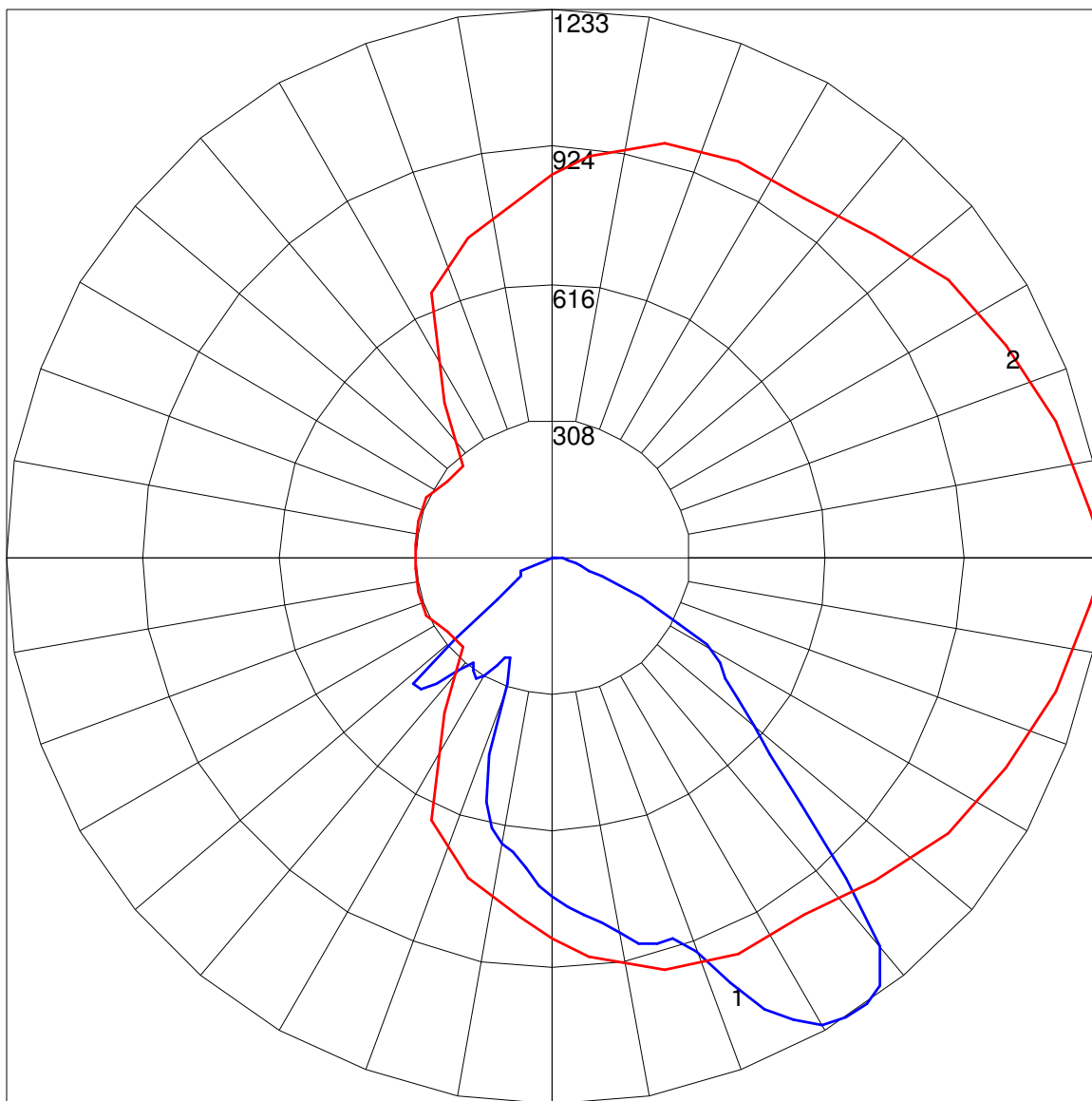
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

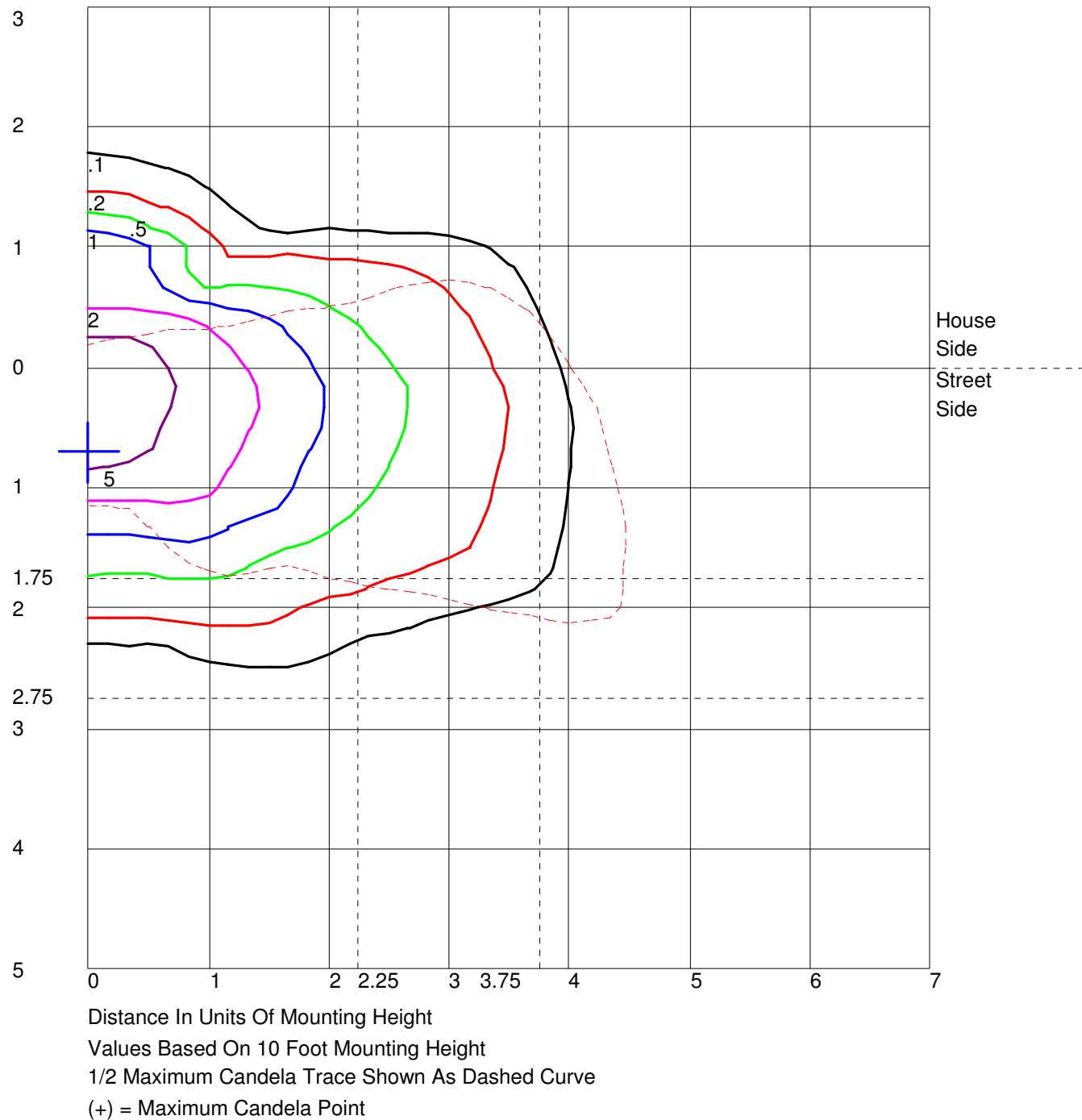
	Lumens	Percent Of Luminaire
Downward Street Side	2099.3	70.4
Downward House Side	883.2	29.6
Downward Total	2982.5	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	2982.5	100.0

POLAR GRAPH

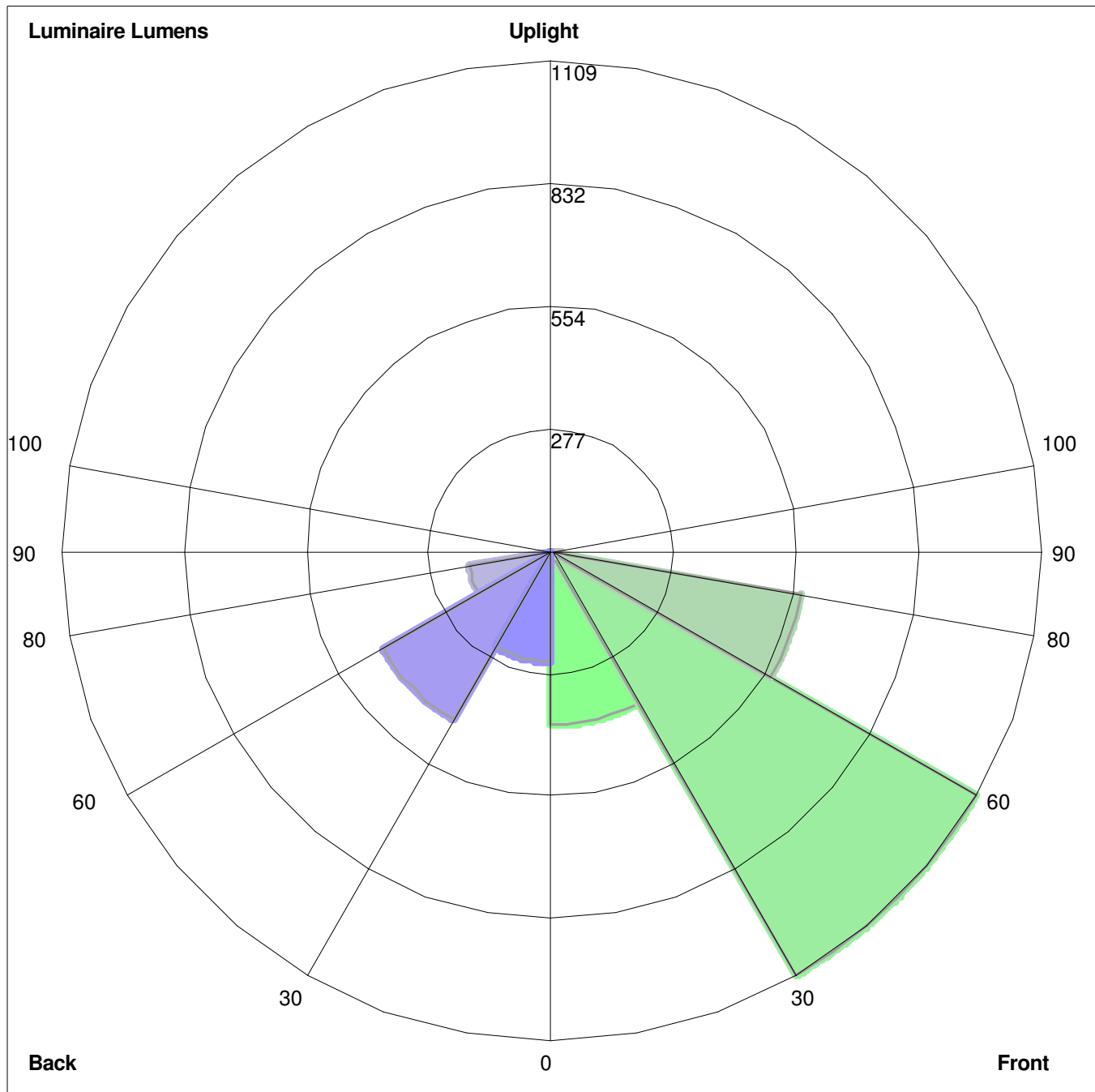


Maximum Candela = 1232.604 Located At Horizontal Angle = 0, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=395.0, Medium=1108.7, High=571.8, Very High=23.8
Back: Low=250.5, Medium=440.1, High=188.4, Very High=4.3
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1