



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-730-TFT-XXX-SDGL-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM ATAL009421
[TESTLAB] ATAL-LABS
[ISSUE DATE] 2024-02-01
[TEST DATE] 07/14/15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] VWPx-L30-730-TFT-xxx-SDGL-DIM-UNV
[LUMINAIRE] CAST ALUMINUM LED WALL PACK
[MORE] FORWARD THROW DISTRIBUTION WITH
[MORE] MICRO-PRISMATIC GLASS LENS
[LAMPCAT] X8-LUXEON M
[LAMP] (8) LEDS
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Outdoor
[_SEARCH_MOUNTING] Wall

CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3095
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	851.802
Maximum Candela Angle	52.5H 57.5V
Maximum Candela (<90 Degrees Vertical)	851.802
Maximum Candela Angle (<90 Degrees Vertical)	52.5H 57.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	235.865 (7.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L30-730-TFT-XXX-SDGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	215.4	N.A.	7.0
FM - Front-Medium (30-60)	860.3	N.A.	27.8
FH - Front-High (60-80)	546.5	N.A.	17.7
FVH - Front-Very High (80-90)	41.8	N.A.	1.4
BL - Back-Low (0-30)	208.7	N.A.	6.7
BM - Back-Medium (30-60)	815.3	N.A.	26.3
BH - Back-High (60-80)	398.7	N.A.	12.9
BVH - Back-Very High (80-90)	8.7	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	3095.4	N.A.	100.0
BUG Rating	B1-U0-G1		

IES ROAD REPORT
PHOTOMETRIC FILENAME : VWPX-L30-730-TFT-XXX-SDGL-DIM-UNV_.IES

CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</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>	<u>45.0</u>
0.0	466.841	466.841	466.841	466.841	466.841	466.841	466.841	466.841	466.841	466.841
2.5	476.618	475.396	472.952	470.508	470.508	470.508	471.730	469.286	469.286	468.064
5.0	469.286	468.064	465.619	463.175	461.953	461.953	461.953	460.731	459.509	460.731
7.5	481.507	479.062	476.618	472.952	469.286	468.064	468.064	465.619	461.953	460.731
10.0	474.174	471.730	468.064	463.175	461.953	464.397	466.841	468.064	468.064	469.286
12.5	481.507	477.840	471.730	469.286	468.064	471.730	471.730	470.508	466.841	468.064
15.0	482.729	480.285	475.396	476.618	479.062	482.729	482.729	482.729	477.840	476.618
17.5	496.172	493.728	487.617	488.839	488.839	491.283	492.505	493.728	491.283	493.728
20.0	508.393	503.504	498.616	499.838	502.282	503.504	509.615	509.615	509.615	510.837
22.5	526.724	523.058	519.392	519.392	514.503	518.170	519.392	525.502	527.946	526.724
25.0	545.056	541.389	540.167	538.945	534.057	536.501	535.279	538.945	541.389	543.834
27.5	574.386	571.942	567.053	562.165	556.055	553.610	551.166	559.721	562.165	557.277
30.0	598.828	596.384	593.940	589.051	585.385	576.830	574.386	578.052	575.608	576.830
32.5	628.158	629.380	628.158	620.826	609.827	603.716	597.606	598.828	595.162	592.718
35.0	664.821	664.821	662.377	655.045	640.379	634.269	628.158	622.048	622.048	617.159
37.5	702.706	697.818	692.930	688.041	674.598	666.043	655.045	655.045	645.268	644.046
40.0	736.925	734.481	727.148	725.926	707.595	701.484	692.930	686.819	677.042	675.820
42.5	760.145	761.367	755.257	760.145	746.702	743.036	732.037	722.260	714.927	706.373
45.0	785.809	789.475	783.365	789.475	782.143	783.365	772.366	761.367	749.146	747.924
47.5	810.251	813.917	812.695	815.139	810.251	811.473	799.252	795.586	783.365	784.587
50.0	816.361	822.472	824.916	823.694	826.138	826.138	824.916	817.584	817.584	809.029
52.5	805.363	812.695	815.139	817.584	832.249	832.249	834.693	829.805	831.027	831.027
55.0	789.475	795.586	798.030	806.585	827.360	827.360	833.471	838.359	842.026	845.692
57.5	758.923	765.033	774.810	791.919	805.363	810.251	828.582	834.693	844.470	845.692
60.0	725.926	730.815	740.591	758.923	771.144	789.475	807.807	822.472	832.249	837.137
62.5	675.820	686.819	695.374	712.483	734.481	752.812	769.922	787.031	807.807	812.695
65.0	622.048	630.603	640.379	659.933	679.486	699.040	717.372	735.703	761.367	771.144
67.5	559.721	562.165	574.386	591.495	606.161	624.492	644.046	666.043	694.152	705.151
70.0	480.285	480.285	491.283	507.171	518.170	536.501	557.277	579.274	603.716	620.826
72.5	391.071	391.071	400.848	416.735	427.734	443.622	469.286	481.507	505.949	521.836
75.0	303.080	303.080	314.079	329.966	340.965	353.186	377.628	392.293	409.403	420.402
77.5	223.644	223.644	233.421	248.086	257.863	268.862	288.415	300.636	311.635	322.634
80.0	153.984	152.762	161.317	172.316	179.648	190.647	206.535	212.645	219.978	228.532
82.5	94.102	92.879	100.212	105.100	113.655	118.544	129.542	133.209	138.097	142.985
85.0	45.218	43.996	48.884	50.106	56.217	57.439	64.771	68.437	68.437	70.882
87.5	12.221	12.221	13.443	13.443	15.887	14.665	18.331	19.554	19.554	20.776
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>50.0</u>	<u>52.5</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	466.841	466.841	466.841	466.841	466.841	466.841	466.841	466.841	466.841	466.841
2.5	468.064	468.064	469.286	470.508	470.508	469.286	468.064	466.841	466.841	465.619
5.0	461.953	463.175	464.397	466.841	469.286	469.286	469.286	468.064	465.619	463.175
7.5	460.731	460.731	460.731	461.953	465.619	468.064	469.286	469.286	468.064	465.619
10.0	468.064	465.619	464.397	460.731	459.509	461.953	465.619	466.841	465.619	461.953
12.5	471.730	471.730	471.730	466.841	461.953	463.175	464.397	469.286	469.286	466.841
15.0	476.618	477.840	479.062	483.951	480.285	477.840	474.174	477.840	476.618	471.730
17.5	494.950	492.505	491.283	490.061	490.061	485.173	481.507	482.729	482.729	479.062
20.0	509.615	508.393	505.949	499.838	496.172	496.172	491.283	491.283	494.950	492.505
22.5	523.058	519.392	519.392	518.170	513.281	513.281	507.171	504.726	508.393	507.171
25.0	540.167	538.945	536.501	536.501	530.391	527.946	525.502	521.836	525.502	526.724
27.5	558.499	557.277	554.832	549.944	548.722	546.278	545.056	547.500	548.722	548.722

IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-730-TFT-XXX-SDGL-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

30.0	575.608	573.164	569.498	569.498	567.053	569.498	569.498	575.608	576.830	576.830
32.5	589.051	587.829	587.829	592.718	595.162	590.273	593.940	598.828	598.828	601.272
35.0	615.937	614.715	612.271	617.159	615.937	620.826	625.714	629.380	629.380	637.935
37.5	641.601	641.601	641.601	645.268	645.268	655.045	659.933	658.711	662.377	666.043
40.0	673.376	674.598	675.820	678.264	678.264	688.041	694.152	695.374	701.484	702.706
42.5	712.483	713.705	712.483	714.927	716.149	728.370	729.593	732.037	732.037	733.259
45.0	746.702	747.924	746.702	747.924	754.034	762.589	762.589	760.145	760.145	758.923
47.5	780.921	779.699	778.476	782.143	783.365	787.031	784.587	783.365	778.476	779.699
50.0	810.251	809.029	809.029	810.251	809.029	812.695	807.807	799.252	793.142	794.364
52.5	829.805	831.027	831.027	826.138	824.916	822.472	813.917	807.807	798.030	795.586
55.0	843.248	846.914	845.692	838.359	831.027	824.916	811.473	805.363	793.142	789.475
57.5	849.358	851.802	849.358	837.137	827.360	817.584	801.696	787.031	776.032	769.922
60.0	842.026	842.026	840.803	822.472	813.917	800.474	779.699	765.033	744.258	740.591
62.5	822.472	821.250	817.584	806.585	787.031	774.810	751.590	732.037	712.483	707.595
65.0	780.921	780.921	778.476	771.144	746.702	733.259	713.705	690.485	672.154	661.155
67.5	713.705	716.149	717.372	706.373	690.485	673.376	653.822	631.825	618.382	604.939
70.0	629.380	631.825	633.047	624.492	611.049	601.272	579.274	559.721	545.056	530.391
72.5	532.835	534.057	534.057	527.946	516.947	508.393	491.283	471.730	455.843	442.399
75.0	427.734	427.734	432.623	425.290	420.402	406.959	397.182	371.518	355.631	343.410
77.5	325.078	331.189	331.189	322.634	317.745	307.969	296.970	274.972	261.529	256.641
80.0	229.754	235.865	229.754	227.310	223.644	213.867	206.535	190.647	180.871	178.426
82.5	144.208	149.096	145.430	142.985	144.208	134.431	130.764	119.766	114.877	113.655
85.0	72.104	75.770	76.992	72.104	74.548	68.437	68.437	62.327	59.883	59.883
87.5	20.776	23.220	24.442	21.998	24.442	21.998	23.220	20.776	21.998	21.998
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	466.841	466.841	466.841	466.841	466.841	466.841	466.841	466.841	466.841	466.841
2.5	464.397	463.175	463.175	463.175	463.175	463.175	463.175	463.175	461.953	461.953
5.0	461.953	459.509	459.509	459.509	459.509	461.953	465.619	466.841	469.286	470.508
7.5	464.397	461.953	461.953	463.175	465.619	469.286	471.730	469.286	466.841	465.619
10.0	459.509	459.509	463.175	466.841	469.286	468.064	466.841	463.175	460.731	460.731
12.5	463.175	465.619	468.064	468.064	464.397	461.953	461.953	460.731	465.619	468.064
15.0	468.064	471.730	474.174	471.730	469.286	466.841	469.286	470.508	470.508	468.064
17.5	472.952	474.174	476.618	474.174	474.174	479.062	482.729	482.729	481.507	480.285
20.0	490.061	486.395	486.395	485.173	488.839	487.617	490.061	491.283	494.950	493.728
22.5	507.171	504.726	499.838	498.616	499.838	499.838	503.504	503.504	503.504	502.282
25.0	526.724	523.058	516.947	514.503	516.947	516.947	519.392	516.947	516.947	513.281
27.5	545.056	541.389	538.945	537.723	532.835	535.279	531.613	530.391	531.613	527.946
30.0	573.164	569.498	568.276	559.721	551.166	551.166	548.722	546.278	545.056	538.945
32.5	600.050	597.606	595.162	587.829	578.052	570.720	568.276	564.609	563.387	554.832
35.0	636.713	630.603	625.714	617.159	606.161	595.162	587.829	582.941	579.274	570.720
37.5	666.043	662.377	656.267	650.156	633.047	620.826	612.271	603.716	597.606	590.273
40.0	702.706	701.484	694.152	680.709	666.043	655.045	642.824	629.380	618.382	614.715
42.5	736.925	735.703	728.370	722.260	705.151	689.263	672.154	663.599	650.156	646.490
45.0	762.589	761.367	760.145	751.590	735.703	724.704	708.817	697.818	680.709	680.709
47.5	779.699	779.699	784.587	778.476	763.811	752.812	741.813	730.815	723.482	716.149
50.0	799.252	796.808	799.252	800.474	795.586	780.921	776.032	771.144	756.479	752.812
52.5	805.363	805.363	813.917	821.250	816.361	809.029	801.696	799.252	790.697	782.143
55.0	798.030	807.807	821.250	826.138	828.582	827.360	821.250	817.584	807.807	799.252
57.5	783.365	795.586	811.473	821.250	824.916	829.805	824.916	821.250	815.139	799.252
60.0	756.479	767.478	788.253	804.140	807.807	816.361	816.361	809.029	799.252	784.587
62.5	717.372	734.481	754.034	768.700	784.587	785.809	793.142	785.809	774.810	761.367
65.0	670.932	689.263	707.595	721.038	735.703	743.036	749.146	743.036	728.370	714.927

IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-730-TFT-XXX-SDGL-DIM-UNV_.IES

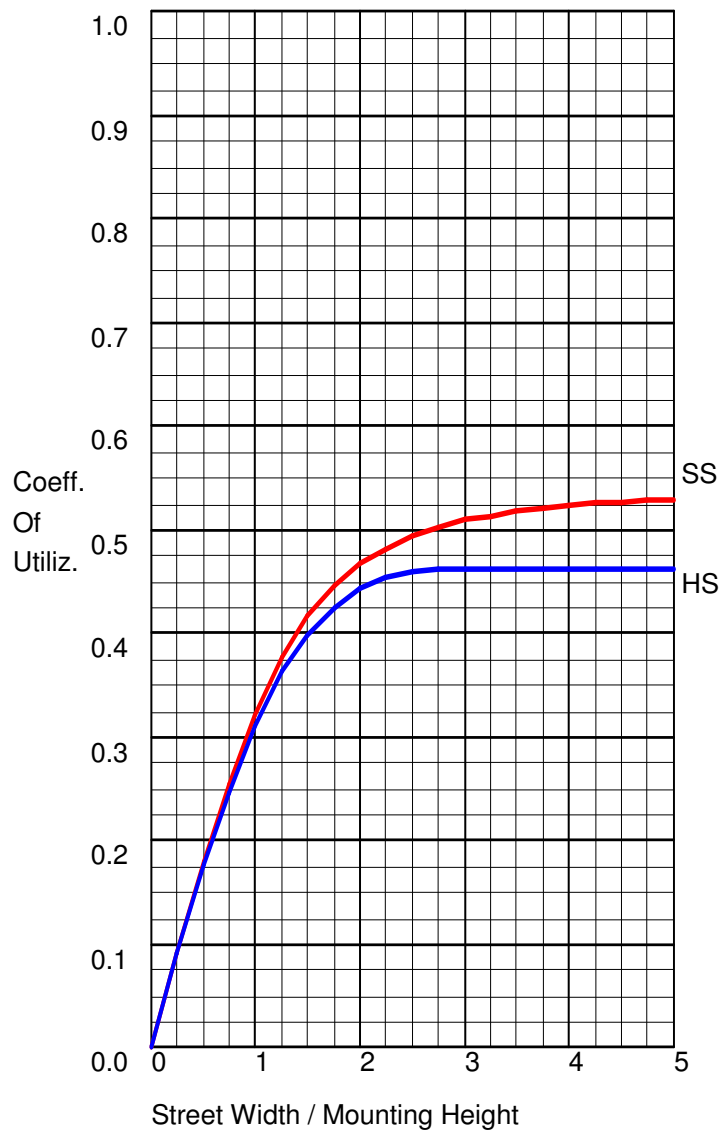
CANDELA TABULATION - (Cont.)

67.5	613.493	629.380	645.268	657.489	672.154	674.598	677.042	670.932	656.267	635.491
70.0	538.945	549.944	569.498	579.274	593.940	585.385	589.051	582.941	559.721	509.615
72.5	450.954	463.175	476.618	482.729	493.728	480.285	477.840	476.618	413.069	212.645
75.0	349.520	362.963	375.184	383.739	380.072	304.302	282.305	266.417	67.215	6.110
77.5	257.863	267.639	278.638	277.416	210.201	130.764	80.658	7.333	2.444	1.222
80.0	180.871	186.981	193.091	139.319	26.886	7.333	2.444	1.222	1.222	0.000
82.5	114.877	118.544	118.544	52.550	3.666	1.222	1.222	1.222	0.000	0.000
85.0	61.105	61.105	47.662	7.333	1.222	0.000	0.000	0.000	0.000	0.000
87.5	21.998	19.554	3.666	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	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	466.841	466.841	466.841	466.841	466.841	466.841	466.841	466.841
2.5	461.953	464.397	465.619	468.064	466.841	465.619	464.397	463.175
5.0	471.730	472.952	474.174	475.396	474.174	471.730	468.064	468.064
7.5	464.397	464.397	466.841	466.841	464.397	460.731	458.287	455.843
10.0	460.731	461.953	465.619	468.064	468.064	464.397	460.731	458.287
12.5	469.286	468.064	466.841	466.841	468.064	464.397	459.509	457.065
15.0	470.508	471.730	471.730	471.730	470.508	468.064	464.397	461.953
17.5	481.507	480.285	477.840	475.396	471.730	471.730	470.508	468.064
20.0	491.283	487.617	481.507	482.729	479.062	479.062	475.396	474.174
22.5	501.060	494.950	492.505	493.728	491.283	491.283	487.617	487.617
25.0	513.281	509.615	504.726	501.060	503.504	505.949	501.060	502.282
27.5	525.502	520.614	520.614	518.170	518.170	518.170	512.059	514.503
30.0	540.167	536.501	531.613	529.168	536.501	542.612	536.501	542.612
32.5	549.944	553.610	548.722	549.944	549.944	556.055	558.499	567.053
35.0	567.053	568.276	565.831	573.164	576.830	585.385	590.273	592.718
37.5	586.607	586.607	592.718	597.606	598.828	609.827	617.159	618.382
40.0	612.271	609.827	622.048	629.380	634.269	642.824	652.600	651.378
42.5	641.601	639.157	650.156	658.711	667.266	680.709	689.263	689.263
45.0	677.042	674.598	683.153	696.596	699.040	707.595	718.594	722.260
47.5	714.927	710.039	718.594	728.370	732.037	736.925	747.924	750.368
50.0	751.590	745.480	749.146	757.701	761.367	765.033	768.700	769.922
52.5	778.476	771.144	767.478	769.922	771.144	769.922	768.700	768.700
55.0	784.587	772.366	763.811	761.367	758.923	755.257	749.146	747.924
57.5	774.810	765.033	750.368	740.591	733.259	725.926	718.594	718.594
60.0	760.145	743.036	728.370	716.149	700.262	689.263	674.598	678.264
62.5	735.703	713.705	692.930	674.598	651.378	634.269	615.937	615.937
65.0	688.041	657.489	624.492	591.495	541.389	508.393	463.175	461.953
67.5	598.828	536.501	443.622	334.855	206.535	146.652	73.326	73.326
70.0	387.405	216.311	51.328	10.999	6.110	4.888	4.888	4.888
72.5	30.552	7.333	3.666	3.666	2.444	2.444	2.444	2.444
75.0	3.666	2.444	1.222	1.222	1.222	1.222	1.222	1.222
77.5	1.222	1.222	1.222	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

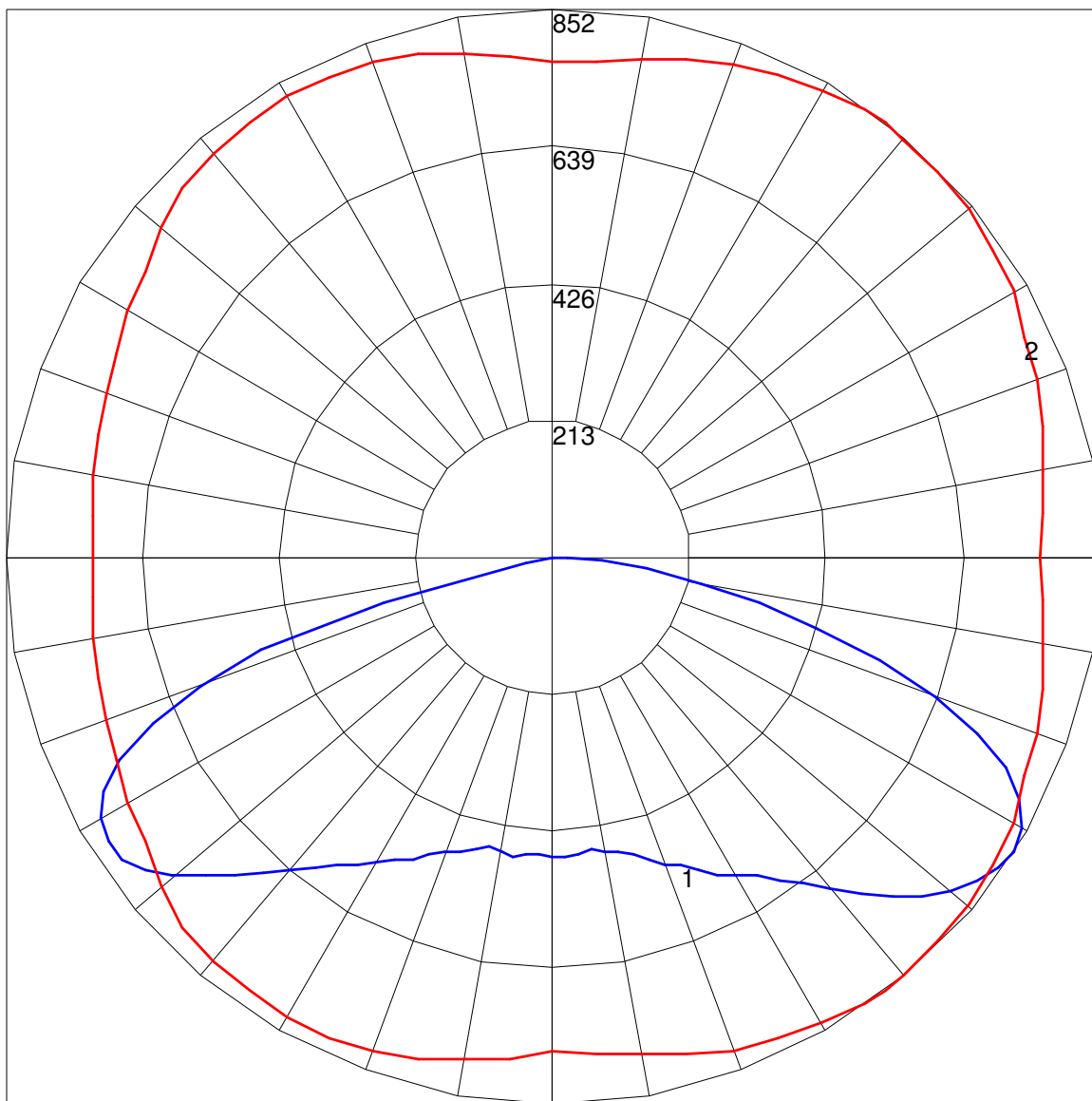
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

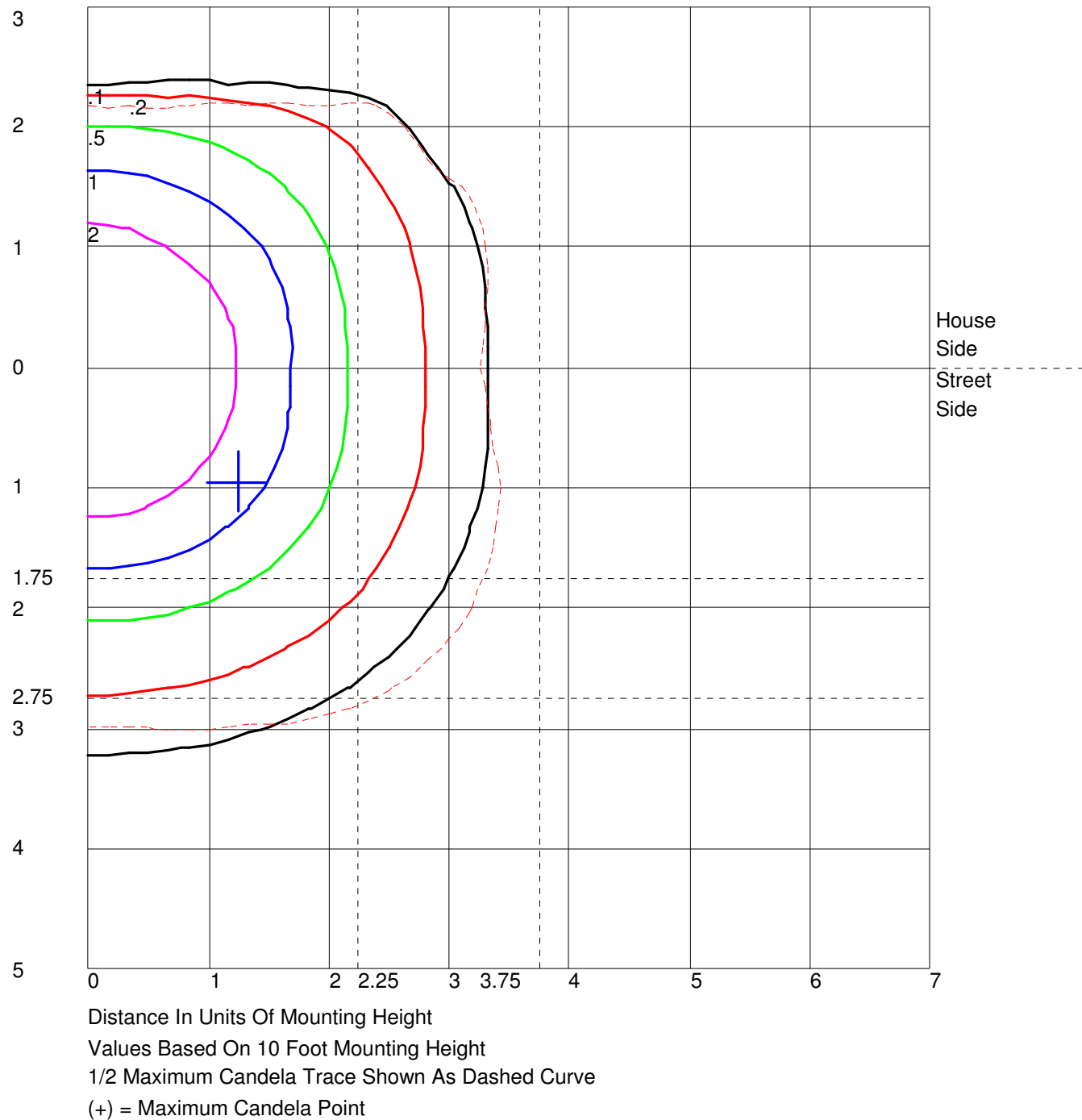
	Lumens	Percent Of Luminaire
Downward Street Side	1664.0	53.8
Downward House Side	1431.3	46.2
Downward Total	3095.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3095.3	100.0

POLAR GRAPH

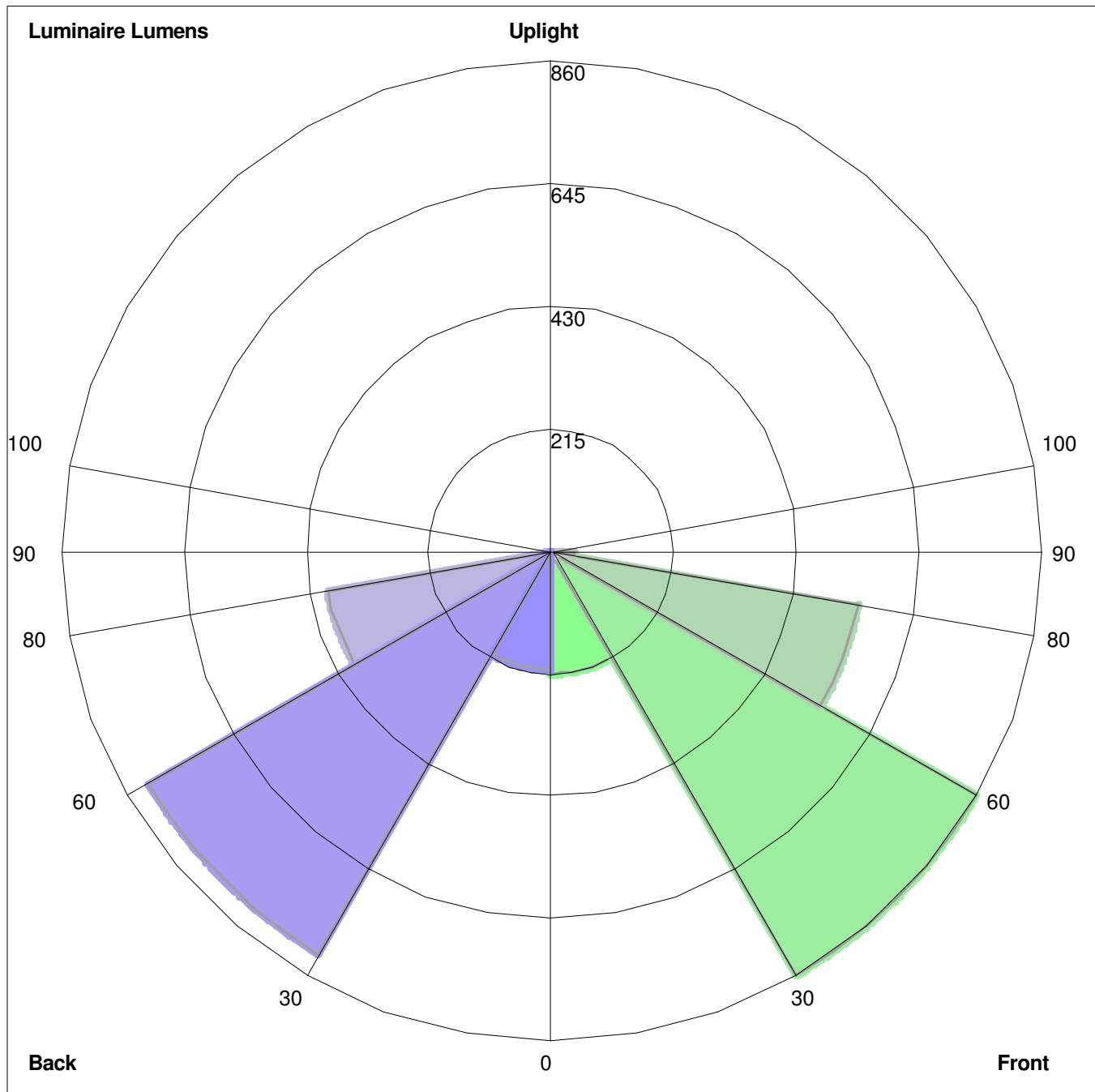


Maximum Candela = 851.802 Located At Horizontal Angle = 52.5, Vertical Angle = 57.5
1 - Vertical Plane Through Horizontal Angles (52.5 - 232.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=215.4, Medium=860.3, High=546.5, Very High=41.8
Back: Low=208.7, Medium=815.3, High=398.7, Very High=8.7
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1