



## IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-830-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-L30-830-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	2802
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	771.106
Maximum Candela Angle	52.5H 57.5V
Maximum Candela (<90 Degrees Vertical)	771.106
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	213.52 (7.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWPX-L30-830-TFT-XXX-SDGL-DIM-UNV\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	195.0	N.A.	7.0
FM - Front-Medium (30-60)	778.8	N.A.	27.8
FH - Front-High (60-80)	494.7	N.A.	17.7
FVH - Front-Very High (80-90)	37.9	N.A.	1.4
BL - Back-Low (0-30)	188.9	N.A.	6.7
BM - Back-Medium (30-60)	738.0	N.A.	26.3
BH - Back-High (60-80)	360.9	N.A.	12.9
BVH - Back-Very High (80-90)	7.8	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	2802.0	N.A.	100.0
BUG Rating	B1-U0-G1		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u><b>0.0</b></u>	<u><b>5.0</b></u>	<u><b>10.0</b></u>	<u><b>15.0</b></u>	<u><b>20.0</b></u>	<u><b>25.0</b></u>	<u><b>30.0</b></u>	<u><b>35.0</b></u>	<u><b>40.0</b></u>	<u><b>45.0</b></u>
<b>0.0</b>	422.615	422.615	422.615	422.615	422.615	422.615	422.615	422.615	422.615	422.615
<b>2.5</b>	431.465	430.359	428.146	425.934	425.934	425.934	427.040	424.827	424.827	423.721
<b>5.0</b>	424.827	423.721	421.508	419.296	418.189	418.189	418.189	417.083	415.977	417.083
<b>7.5</b>	435.890	433.678	431.465	428.146	424.827	423.721	423.721	421.508	418.189	417.083
<b>10.0</b>	429.253	427.040	423.721	419.296	418.189	420.402	422.615	423.721	423.721	424.827
<b>12.5</b>	435.890	432.572	427.040	424.827	423.721	427.040	427.040	425.934	422.615	423.721
<b>15.0</b>	436.997	434.784	430.359	431.465	433.678	436.997	436.997	436.997	432.572	431.465
<b>17.5</b>	449.166	446.954	441.422	442.528	442.528	444.741	445.847	446.954	444.741	446.954
<b>20.0</b>	460.230	455.804	451.379	452.485	454.698	455.804	461.336	461.336	461.336	462.442
<b>22.5</b>	476.824	473.505	470.186	470.186	465.761	469.080	470.186	475.718	477.931	476.824
<b>25.0</b>	493.419	490.100	488.994	487.888	483.462	485.675	484.569	487.888	490.100	492.313
<b>27.5</b>	519.971	517.758	513.333	508.908	503.376	501.163	498.951	506.695	508.908	504.482
<b>30.0</b>	542.097	539.885	537.672	533.247	529.928	522.184	519.971	523.290	521.077	522.184
<b>32.5</b>	568.649	569.755	568.649	562.011	552.054	546.523	540.991	542.097	538.778	536.566
<b>35.0</b>	601.839	601.839	599.626	592.988	579.712	574.181	568.649	563.117	563.117	558.692
<b>37.5</b>	636.135	631.709	627.284	622.859	610.689	602.945	592.988	592.988	584.137	583.031
<b>40.0</b>	667.112	664.899	658.261	657.155	640.560	635.028	627.284	621.752	612.902	611.796
<b>42.5</b>	688.132	689.238	683.706	688.132	675.962	672.643	662.686	653.836	647.198	639.454
<b>45.0</b>	711.364	714.683	709.152	714.683	708.045	709.152	699.195	689.238	678.175	677.068
<b>47.5</b>	733.491	736.810	735.703	737.916	733.491	734.597	723.534	720.215	709.152	710.258
<b>50.0</b>	739.022	744.554	746.767	745.660	747.873	747.873	746.767	740.129	740.129	732.384
<b>52.5</b>	729.066	735.703	737.916	740.129	753.405	753.405	755.617	751.192	752.298	752.298
<b>55.0</b>	714.683	720.215	722.428	730.172	748.979	748.979	754.511	758.936	762.255	765.574
<b>57.5</b>	687.025	692.557	701.407	716.896	729.066	733.491	750.086	755.617	764.468	765.574
<b>60.0</b>	657.155	661.580	670.431	687.025	698.089	714.683	731.278	744.554	753.405	757.830
<b>62.5</b>	611.796	621.752	629.497	644.985	664.899	681.494	696.982	712.471	731.278	735.703
<b>65.0</b>	563.117	570.862	579.712	597.413	615.114	632.816	649.410	666.005	689.238	698.089
<b>67.5</b>	506.695	508.908	519.971	535.459	548.735	565.330	583.031	602.945	628.390	638.347
<b>70.0</b>	434.784	434.784	444.741	459.123	469.080	485.675	504.482	524.396	546.523	562.011
<b>72.5</b>	354.023	354.023	362.873	377.255	387.212	401.595	424.827	435.890	458.017	472.399
<b>75.0</b>	274.368	274.368	284.324	298.707	308.664	319.727	341.853	355.129	370.618	380.574
<b>77.5</b>	202.457	202.457	211.307	224.583	233.434	243.391	261.092	272.155	282.112	292.069
<b>80.0</b>	139.396	138.290	146.034	155.991	162.629	172.586	186.968	192.500	199.138	206.882
<b>82.5</b>	85.187	84.080	90.718	95.144	102.888	107.313	117.270	120.589	125.014	129.440
<b>85.0</b>	40.934	39.828	44.253	45.359	50.891	51.997	58.635	61.954	61.954	64.167
<b>87.5</b>	11.063	11.063	12.170	12.170	14.382	13.276	16.595	17.701	17.701	18.807
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u><b>50.0</b></u>	<u><b>52.5</b></u>	<u><b>55.0</b></u>	<u><b>60.0</b></u>	<u><b>65.0</b></u>	<u><b>70.0</b></u>	<u><b>75.0</b></u>	<u><b>80.0</b></u>	<u><b>85.0</b></u>	<u><b>90.0</b></u>
<b>0.0</b>	422.615	422.615	422.615	422.615	422.615	422.615	422.615	422.615	422.615	422.615
<b>2.5</b>	423.721	423.721	424.827	425.934	425.934	424.827	423.721	422.615	422.615	421.508
<b>5.0</b>	418.189	419.296	420.402	422.615	424.827	424.827	424.827	423.721	421.508	419.296
<b>7.5</b>	417.083	417.083	417.083	418.189	421.508	423.721	424.827	424.827	423.721	421.508
<b>10.0</b>	423.721	421.508	420.402	417.083	415.977	418.189	421.508	422.615	421.508	418.189
<b>12.5</b>	427.040	427.040	427.040	422.615	418.189	419.296	420.402	424.827	424.827	422.615
<b>15.0</b>	431.465	432.572	433.678	438.103	434.784	432.572	429.253	432.572	431.465	427.040
<b>17.5</b>	448.060	445.847	444.741	443.635	443.635	439.209	435.890	436.997	436.997	433.678
<b>20.0</b>	461.336	460.230	458.017	452.485	449.166	449.166	444.741	444.741	448.060	445.847
<b>22.5</b>	473.505	470.186	470.186	469.080	464.655	464.655	459.123	456.911	460.230	459.123
<b>25.0</b>	488.994	487.888	485.675	485.675	480.143	477.931	475.718	472.399	475.718	476.824
<b>27.5</b>	505.589	504.482	502.270	497.844	496.738	494.525	493.419	495.632	496.738	496.738

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**CANDELA TABULATION - (Cont.)**

30.0	521.077	518.865	515.546	515.546	513.333	515.546	515.546	521.077	522.184	522.184
32.5	533.247	532.140	532.140	536.566	538.778	534.353	537.672	542.097	542.097	544.310
35.0	557.586	556.479	554.267	558.692	557.586	562.011	566.436	569.755	569.755	577.500
37.5	580.819	580.819	580.819	584.137	584.137	592.988	597.413	596.307	599.626	602.945
40.0	609.583	610.689	611.796	614.008	614.008	622.859	628.390	629.497	635.028	636.135
42.5	644.985	646.091	644.985	647.198	648.304	659.367	660.474	662.686	662.686	663.793
45.0	675.962	677.068	675.962	677.068	682.600	690.344	690.344	688.132	688.132	687.025
47.5	706.939	705.833	704.726	708.045	709.152	712.471	710.258	709.152	704.726	705.833
50.0	733.491	732.384	732.384	733.491	732.384	735.703	731.278	723.534	718.002	719.109
52.5	751.192	752.298	752.298	747.873	746.767	744.554	736.810	731.278	722.428	720.215
55.0	763.361	766.680	765.574	758.936	752.298	746.767	734.597	729.066	718.002	714.683
57.5	768.893	771.106	768.893	757.830	748.979	740.129	725.747	712.471	702.514	696.982
60.0	762.255	762.255	761.149	744.554	736.810	724.640	705.833	692.557	673.749	670.431
62.5	744.554	743.448	740.129	730.172	712.471	701.407	680.387	662.686	644.985	640.560
65.0	706.939	706.939	704.726	698.089	675.962	663.793	646.091	625.071	608.477	598.520
67.5	646.091	648.304	649.410	639.454	625.071	609.583	591.882	571.968	559.798	547.629
70.0	569.755	571.968	573.074	565.330	553.160	544.310	524.396	506.695	493.419	480.143
72.5	482.356	483.462	483.462	477.931	467.974	460.230	444.741	427.040	412.658	400.488
75.0	387.212	387.212	391.638	385.000	380.574	368.405	359.554	336.322	321.939	310.876
77.5	294.281	299.813	299.813	292.069	287.643	278.793	268.836	248.922	236.753	232.327
80.0	207.988	213.520	207.988	205.776	202.457	193.606	186.968	172.586	163.736	161.523
82.5	130.546	134.971	131.652	129.440	130.546	121.695	118.376	108.419	103.994	102.888
85.0	65.273	68.592	69.698	65.273	67.486	61.954	61.954	56.422	54.210	54.210
87.5	18.807	21.020	22.126	19.914	22.126	19.914	21.020	18.807	19.914	19.914
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	422.615	422.615	422.615	422.615	422.615	422.615	422.615	422.615	422.615	422.615
2.5	420.402	419.296	419.296	419.296	419.296	419.296	419.296	419.296	418.189	418.189
5.0	418.189	415.977	415.977	415.977	415.977	418.189	421.508	422.615	424.827	425.934
7.5	420.402	418.189	418.189	419.296	421.508	424.827	427.040	424.827	422.615	421.508
10.0	415.977	415.977	419.296	422.615	424.827	423.721	422.615	419.296	417.083	417.083
12.5	419.296	421.508	423.721	423.721	420.402	418.189	418.189	417.083	421.508	423.721
15.0	423.721	427.040	429.253	427.040	424.827	422.615	424.827	425.934	425.934	423.721
17.5	428.146	429.253	431.465	429.253	429.253	433.678	436.997	436.997	435.890	434.784
20.0	443.635	440.316	440.316	439.209	442.528	441.422	443.635	444.741	448.060	446.954
22.5	459.123	456.911	452.485	451.379	452.485	452.485	455.804	455.804	455.804	454.698
25.0	476.824	473.505	467.974	465.761	467.974	467.974	470.186	467.974	467.974	464.655
27.5	493.419	490.100	487.888	486.781	482.356	484.569	481.250	480.143	481.250	477.931
30.0	518.865	515.546	514.439	506.695	498.951	498.951	496.738	494.525	493.419	487.888
32.5	543.204	540.991	538.778	532.140	523.290	516.652	514.439	511.120	510.014	502.270
35.0	576.393	570.862	566.436	558.692	548.735	538.778	532.140	527.715	524.396	516.652
37.5	602.945	599.626	594.094	588.563	573.074	562.011	554.267	546.523	540.991	534.353
40.0	636.135	635.028	628.390	616.221	602.945	592.988	581.925	569.755	559.798	556.479
42.5	667.112	666.005	659.367	653.836	638.347	623.965	608.477	600.732	588.563	585.244
45.0	690.344	689.238	688.132	680.387	666.005	656.048	641.666	631.709	616.221	616.221
47.5	705.833	705.833	710.258	704.726	691.451	681.494	671.537	661.580	654.942	648.304
50.0	723.534	721.321	723.534	724.640	720.215	706.939	702.514	698.089	684.813	681.494
52.5	729.066	729.066	736.810	743.448	739.022	732.384	725.747	723.534	715.790	708.045
55.0	722.428	731.278	743.448	747.873	750.086	748.979	743.448	740.129	731.278	723.534
57.5	709.152	720.215	734.597	743.448	746.767	751.192	746.767	743.448	737.916	723.534
60.0	684.813	694.770	713.577	727.959	731.278	739.022	739.022	732.384	723.534	710.258
62.5	649.410	664.899	682.600	695.876	710.258	711.364	718.002	711.364	701.407	689.238
65.0	607.370	623.965	640.560	652.729	666.005	672.643	678.175	672.643	659.367	647.198

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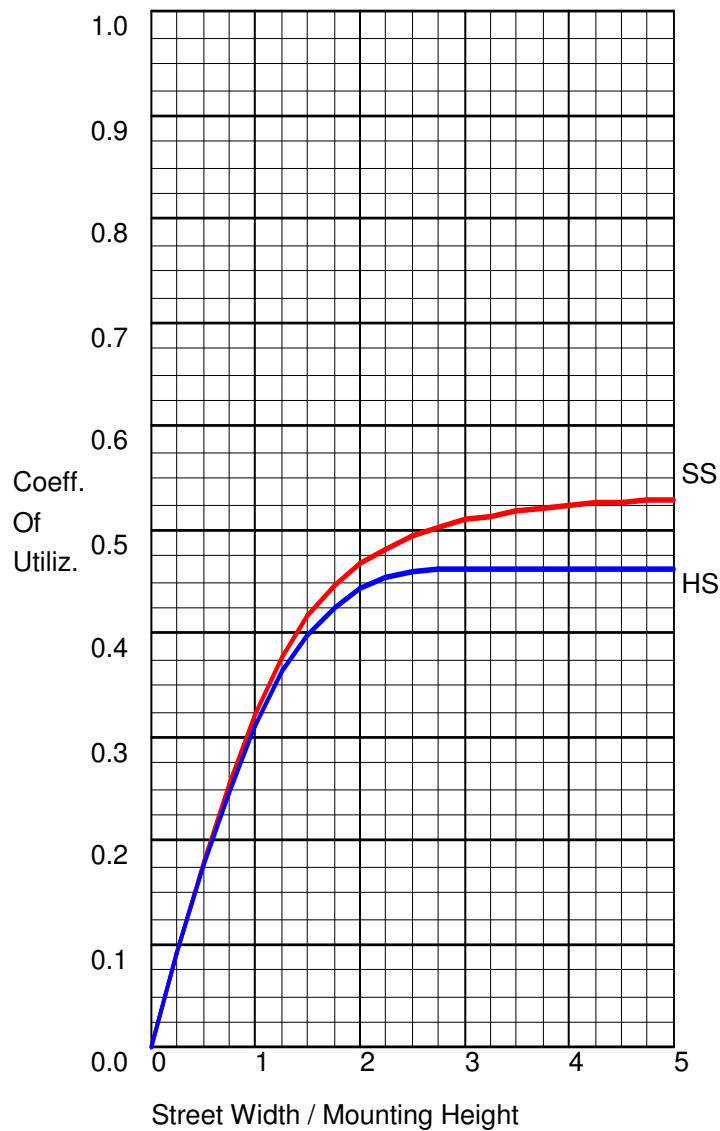
## CANDELA TABULATION - (Cont.)

67.5	555.373	569.755	584.137	595.201	608.477	610.689	612.902	607.370	594.094	575.287
70.0	487.888	497.844	515.546	524.396	537.672	529.928	533.247	527.715	506.695	461.336
72.5	408.232	419.296	431.465	436.997	446.954	434.784	432.572	431.465	373.936	192.500
75.0	316.408	328.577	339.641	347.385	344.066	275.474	255.560	241.178	60.848	5.532
77.5	233.434	242.284	252.241	251.135	190.287	118.376	73.017	6.638	2.213	1.106
80.0	163.736	169.267	174.799	126.121	24.339	6.638	2.213	1.106	1.106	0.000
82.5	103.994	107.313	107.313	47.572	3.319	1.106	1.106	1.106	0.000	0.000
85.0	55.316	55.316	43.147	6.638	1.106	0.000	0.000	0.000	0.000	0.000
87.5	19.914	17.701	3.319	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	422.615	422.615	422.615	422.615	422.615	422.615	422.615	422.615
2.5	418.189	420.402	421.508	423.721	422.615	421.508	420.402	419.296
5.0	427.040	428.146	429.253	430.359	429.253	427.040	423.721	423.721
7.5	420.402	420.402	422.615	422.615	420.402	417.083	414.870	412.658
10.0	417.083	418.189	421.508	423.721	423.721	420.402	417.083	414.870
12.5	424.827	423.721	422.615	422.615	423.721	420.402	415.977	413.764
15.0	425.934	427.040	427.040	427.040	425.934	423.721	420.402	418.189
17.5	435.890	434.784	432.572	430.359	427.040	427.040	425.934	423.721
20.0	444.741	441.422	435.890	436.997	433.678	433.678	430.359	429.253
22.5	453.592	448.060	445.847	446.954	444.741	444.741	441.422	441.422
25.0	464.655	461.336	456.911	453.592	455.804	458.017	453.592	454.698
27.5	475.718	471.293	471.293	469.080	469.080	469.080	463.548	465.761
30.0	488.994	485.675	481.250	479.037	485.675	491.207	485.675	491.207
32.5	497.844	501.163	496.738	497.844	497.844	503.376	505.589	513.333
35.0	513.333	514.439	512.227	518.865	522.184	529.928	534.353	536.566
37.5	531.034	531.034	536.566	540.991	542.097	552.054	558.692	559.798
40.0	554.267	552.054	563.117	569.755	574.181	581.925	590.775	589.669
42.5	580.819	578.606	588.563	596.307	604.051	616.221	623.965	623.965
45.0	612.902	610.689	618.433	630.603	632.816	640.560	650.517	653.836
47.5	647.198	642.772	650.517	659.367	662.686	667.112	677.068	679.281
50.0	680.387	674.856	678.175	685.919	689.238	692.557	695.876	696.982
52.5	704.726	698.089	694.770	696.982	698.089	696.982	695.876	695.876
55.0	710.258	699.195	691.451	689.238	687.025	683.706	678.175	677.068
57.5	701.407	692.557	679.281	670.431	663.793	657.155	650.517	650.517
60.0	688.132	672.643	659.367	648.304	633.922	623.965	610.689	614.008
62.5	666.005	646.091	627.284	610.689	589.669	574.181	557.586	557.586
65.0	622.859	595.201	565.330	535.459	490.100	460.230	419.296	418.189
67.5	542.097	485.675	401.595	303.132	186.968	132.759	66.379	66.379
70.0	350.704	195.819	46.465	9.957	5.532	4.425	4.425	4.425
72.5	27.658	6.638	3.319	3.319	2.213	2.213	2.213	2.213
75.0	3.319	2.213	1.106	1.106	1.106	1.106	1.106	1.106
77.5	1.106	1.106	1.106	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

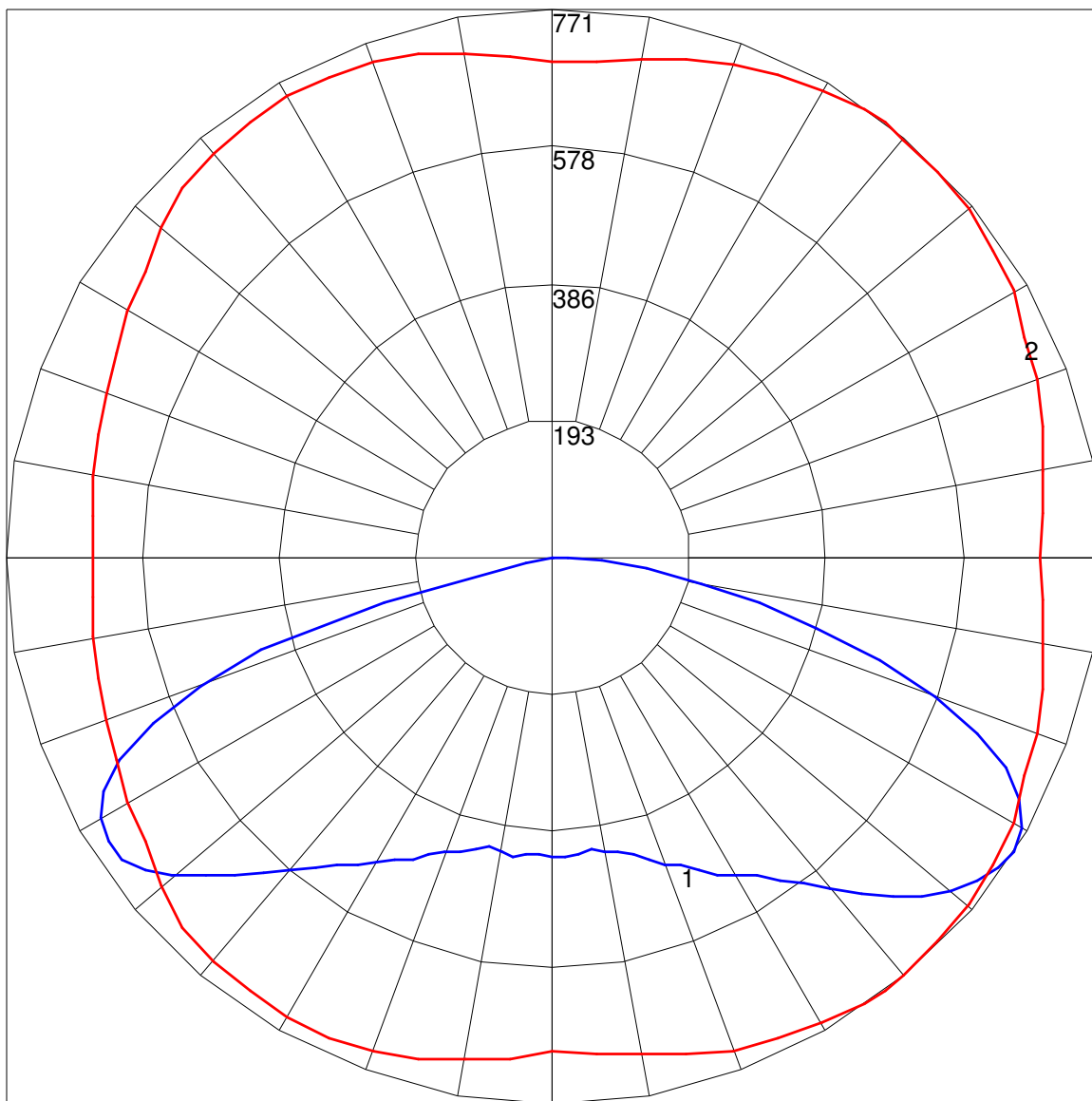
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

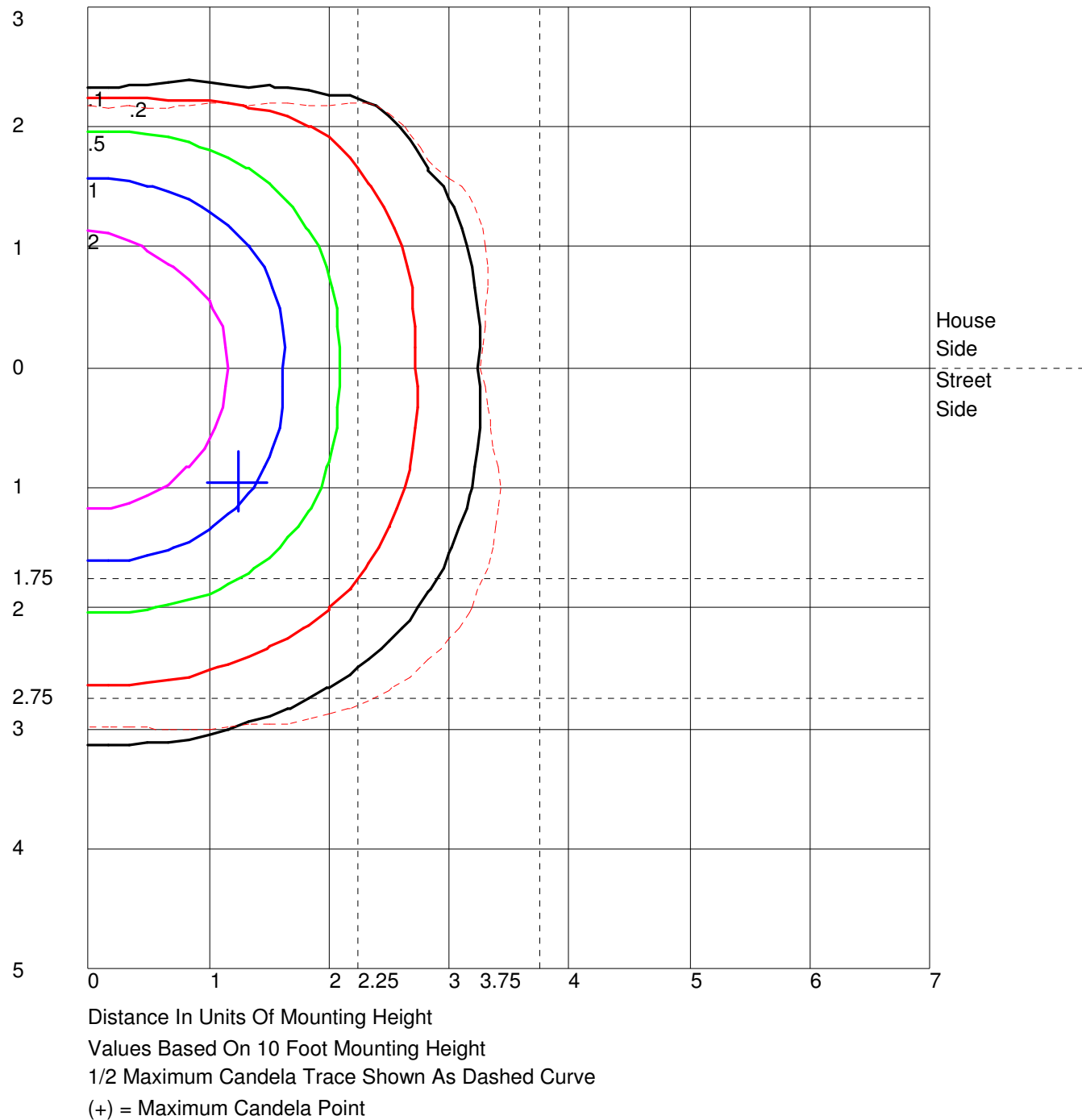
	Lumens	Percent Of Luminaire
Downward Street Side	1506.4	53.8
Downward House Side	1295.7	46.2
Downward Total	2802.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	2802.1	100.0

POLAR GRAPH



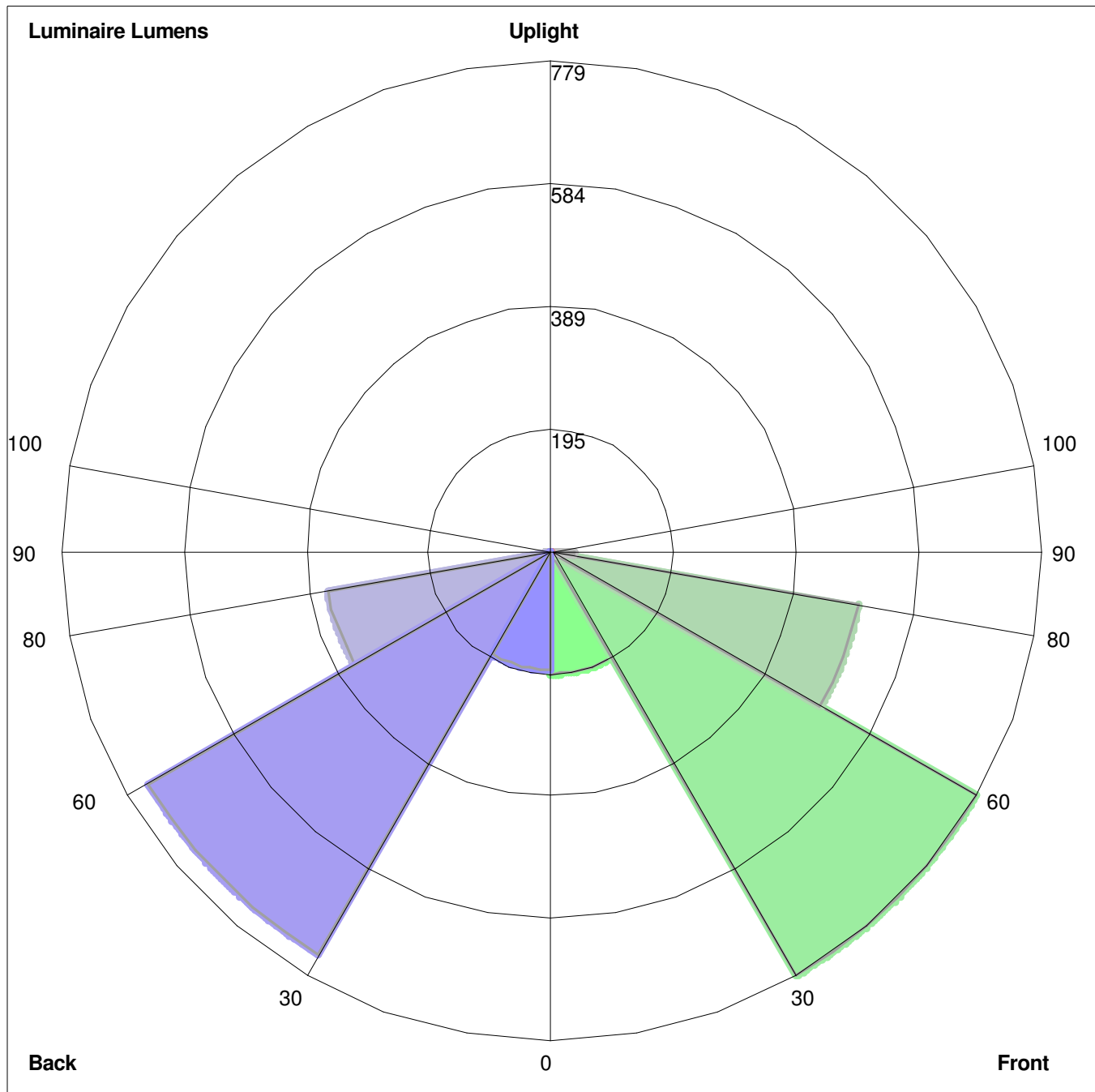
Maximum Candela = 771.106 Located At Horizontal Angle = 52.5, Vertical Angle = 57.5  
# 1 - Vertical Plane Through Horizontal Angles (52.5 - 232.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=195.0, Medium=778.8, High=494.7, Very High=37.9  
Back: Low=188.9, Medium=738.0, High=360.9, Very High=7.8  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1