



## IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-830-TFT-XXX-CGL-DIM-UNV\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM ATAL009828  
[TESTLAB] ATAL-LABS  
[ISSUE DATE] 2024-02-01  
[TEST DATE] 07/14/15  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] VWPx-L30-830-TFT-xxx-CGL-DIM-UNV  
[LUMINAIRE] CAST ALUMINUM LED WALL PACK  
[MORE] FORWARD THROW DISTRIBUTION WITH  
[MORE] CLEAR 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	2859
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	998.473
Maximum Candela Angle	45H 65V
Maximum Candela (<90 Degrees Vertical)	998.473
Maximum Candela Angle (<90 Degrees Vertical)	45H 65V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	177.739 (6.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	168.3	N.A.	5.9
FM - Front-Medium (30-60)	728.4	N.A.	25.5
FH - Front-High (60-80)	656.2	N.A.	22.9
FVH - Front-Very High (80-90)	14.9	N.A.	0.5
BL - Back-Low (0-30)	163.2	N.A.	5.7
BM - Back-Medium (30-60)	673.5	N.A.	23.6
BH - Back-High (60-80)	452.8	N.A.	15.8
BVH - Back-Very High (80-90)	2.2	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	2859.5	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</b></u>	<u><b>5</b></u>	<u><b>10</b></u>	<u><b>15</b></u>	<u><b>20</b></u>	<u><b>25</b></u>	<u><b>30</b></u>	<u><b>35</b></u>	<u><b>40</b></u>	<u><b>45</b></u>
<b>0.0</b>	361.750	361.750	361.750	361.750	361.750	361.750	361.750	361.750	361.750	361.750
<b>2.5</b>	365.932	364.887	364.364	363.319	362.273	361.750	361.750	362.273	361.228	360.705
<b>5.0</b>	365.410	363.841	362.796	362.273	361.750	361.750	361.228	361.750	360.705	360.705
<b>7.5</b>	365.410	363.841	362.273	362.273	361.750	361.750	361.228	360.705	359.659	359.136
<b>10.0</b>	366.978	364.887	363.319	363.841	362.796	362.796	362.273	361.750	360.182	359.136
<b>12.5</b>	371.683	369.069	368.023	368.546	367.501	366.978	366.455	364.887	362.796	361.228
<b>15.0</b>	378.479	374.819	374.297	376.388	376.388	375.342	374.819	373.251	370.637	368.023
<b>17.5</b>	387.366	383.183	380.570	383.183	383.706	384.229	385.274	384.229	381.092	378.479
<b>20.0</b>	402.003	398.344	394.161	394.684	393.639	395.207	396.252	396.775	394.161	391.548
<b>22.5</b>	420.822	417.163	411.935	410.890	408.276	409.321	409.844	410.367	408.799	406.708
<b>25.0</b>	441.210	438.596	431.800	429.709	426.050	426.573	425.527	426.573	424.482	423.436
<b>27.5</b>	462.120	457.938	451.142	449.051	444.346	444.869	441.733	441.733	441.210	442.778
<b>30.0</b>	487.213	484.076	475.189	471.007	465.780	463.689	458.461	458.984	457.938	458.461
<b>32.5</b>	515.442	510.214	503.418	497.668	490.872	485.122	478.326	477.280	474.144	472.576
<b>35.0</b>	545.762	541.580	534.261	527.988	518.578	511.260	502.373	497.668	492.963	487.736
<b>37.5</b>	573.991	570.854	563.536	558.308	547.853	538.966	528.511	518.056	511.783	506.032
<b>40.0</b>	601.175	599.084	591.242	586.537	576.605	566.672	555.172	543.671	535.307	527.465
<b>42.5</b>	629.404	626.790	619.471	613.721	604.311	593.333	582.355	571.900	562.490	555.694
<b>45.0</b>	655.019	652.928	647.700	641.950	632.540	621.039	610.584	600.129	593.333	588.628
<b>47.5</b>	679.066	676.975	674.361	670.702	661.815	648.746	639.336	628.881	624.699	624.176
<b>50.0</b>	692.658	693.180	694.226	696.317	692.135	679.066	672.270	663.906	660.247	661.815
<b>52.5</b>	695.794	698.931	707.295	716.705	719.841	710.954	708.863	704.158	700.499	702.590
<b>55.0</b>	701.545	705.204	719.841	737.092	748.070	745.979	747.548	750.161	747.548	748.070
<b>57.5</b>	728.728	735.524	748.593	771.072	786.755	791.459	796.164	806.097	807.142	804.006
<b>60.0</b>	760.617	768.981	784.141	811.847	832.757	845.827	855.236	877.192	888.170	884.511
<b>62.5</b>	764.799	774.208	793.028	820.734	838.508	860.464	883.988	934.173	961.879	963.970
<b>65.0</b>	738.138	749.116	770.549	798.778	822.302	848.963	881.374	953.515	992.199	998.473
<b>67.5</b>	722.455	735.524	769.503	795.119	805.574	812.370	840.599	924.763	972.335	973.380
<b>70.0</b>	697.885	714.091	757.480	789.368	804.528	795.119	801.915	835.371	872.487	871.442
<b>72.5</b>	589.674	603.266	677.498	728.205	752.775	733.956	757.480	724.023	676.975	648.746
<b>75.0</b>	251.971	260.857	316.793	382.661	441.210	491.918	558.831	590.719	514.919	489.827
<b>77.5</b>	90.960	93.051	104.552	117.621	148.464	211.718	305.815	360.705	356.000	369.592
<b>80.0</b>	37.116	38.162	43.389	50.708	64.300	83.642	122.326	158.396	167.806	177.739
<b>82.5</b>	15.160	15.683	18.297	20.388	27.184	36.070	51.753	65.345	69.004	76.846
<b>85.0</b>	5.750	5.750	6.273	7.319	9.410	12.546	18.819	24.047	24.570	28.752
<b>87.5</b>	1.568	1.568	1.568	1.568	1.568	1.568	2.091	2.091	3.137	4.182
<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</b></u>	<u><b>55</b></u>	<u><b>60</b></u>	<u><b>65</b></u>	<u><b>70</b></u>	<u><b>75</b></u>	<u><b>80</b></u>	<u><b>85</b></u>	<u><b>90</b></u>	<u><b>95</b></u>
<b>0.0</b>	361.750	361.750	361.750	361.750	361.750	361.750	361.750	361.750	361.750	361.750
<b>2.5</b>	360.182	359.659	360.705	361.228	360.182	359.136	359.136	359.136	359.136	359.136
<b>5.0</b>	359.136	358.614	359.659	359.659	358.614	357.045	356.000	356.000	355.477	356.000
<b>7.5</b>	358.614	357.045	358.091	357.568	356.523	354.432	352.863	352.863	352.341	352.341
<b>10.0</b>	358.614	356.000	357.045	357.568	357.568	355.477	353.386	352.863	352.341	351.818
<b>12.5</b>	360.705	359.136	360.182	360.182	360.705	358.614	356.523	355.477	354.432	353.909
<b>15.0</b>	368.023	366.978	367.501	366.978	366.455	364.887	361.750	359.136	358.091	357.568
<b>17.5</b>	377.433	376.910	376.388	375.342	373.251	370.114	368.023	365.932	365.410	364.887
<b>20.0</b>	389.979	389.457	388.934	385.797	383.183	379.524	377.956	377.433	377.433	376.910
<b>22.5</b>	405.139	402.003	400.957	398.344	395.730	393.639	393.116	392.593	392.593	392.070
<b>25.0</b>	422.390	417.163	416.117	414.026	411.935	412.458	412.458	411.935	411.935	409.844
<b>27.5</b>	439.642	433.368	430.755	429.186	428.664	430.755	430.755	431.277	432.323	429.186

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## CANDELA TABULATION - (Cont.)

30.0	458.461	451.142	445.915	446.437	446.960	450.620	450.620	451.665	454.279	451.142
32.5	474.667	471.007	463.166	464.211	465.780	470.484	473.098	475.712	478.849	474.667
35.0	489.827	490.349	483.553	485.122	488.781	494.531	498.191	502.896	507.078	502.373
37.5	506.032	509.691	508.123	510.737	515.965	523.283	527.988	533.216	534.261	532.693
40.0	526.943	533.216	535.307	540.534	545.239	552.035	559.354	564.581	564.581	563.536
42.5	552.558	559.354	562.490	569.809	575.559	580.787	587.583	591.765	590.197	590.719
45.0	583.401	588.106	592.288	599.084	604.834	609.539	613.198	613.198	611.107	612.153
47.5	618.948	619.471	620.517	628.358	633.586	640.904	642.473	639.336	636.200	638.813
50.0	658.678	656.064	653.451	658.678	663.906	671.747	670.179	663.383	659.201	662.860
52.5	701.545	696.840	691.089	694.749	696.840	698.931	688.998	676.975	673.316	678.543
55.0	748.070	745.979	735.524	732.387	728.205	721.410	698.408	676.975	670.702	676.975
57.5	807.665	804.528	786.755	778.390	764.276	749.116	715.136	691.089	685.862	687.953
60.0	887.125	882.420	853.145	833.803	812.370	786.755	746.502	722.978	718.273	718.796
62.5	959.266	942.537	891.307	852.100	824.916	789.891	748.070	724.023	718.273	719.318
65.0	989.063	959.788	893.920	844.258	817.075	783.095	748.070	725.592	721.410	719.318
67.5	973.380	938.355	863.078	827.530	821.257	796.687	763.230	726.114	717.750	717.227
70.0	891.829	860.987	824.916	825.962	842.167	824.916	777.345	717.227	702.590	705.204
72.5	675.407	743.365	797.210	782.572	799.301	770.549	698.408	613.721	595.424	610.062
75.0	525.897	616.857	605.879	548.376	463.689	409.844	322.020	260.857	262.426	260.335
77.5	363.841	369.069	325.680	243.606	155.260	136.963	115.007	99.324	101.416	99.324
80.0	173.034	164.670	130.167	97.756	71.618	64.300	52.799	46.003	45.480	43.389
82.5	72.141	71.095	58.549	44.957	34.502	28.229	23.524	20.388	20.910	20.910
85.0	27.706	28.752	24.047	18.819	14.115	12.023	9.932	9.410	8.887	8.887
87.5	5.228	6.796	5.228	4.705	4.182	3.659	3.137	2.614	2.614	2.614
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>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0.0	361.750	361.750	361.750	361.750	361.750	361.750	361.750	361.750	361.750	361.750
2.5	359.136	358.614	358.614	358.091	358.614	360.182	359.136	359.136	360.182	361.750
5.0	355.477	354.954	355.477	356.523	356.523	358.091	357.568	357.568	358.614	359.659
7.5	351.818	351.818	353.386	354.432	354.954	356.000	356.000	355.477	356.523	358.091
10.0	351.818	352.341	353.909	354.954	354.432	354.954	354.954	354.954	356.000	357.045
12.5	354.432	355.477	357.568	358.091	357.568	356.000	356.000	356.000	357.568	359.136
15.0	358.614	360.705	362.273	363.841	363.319	362.796	362.273	362.273	362.796	364.887
17.5	364.887	365.410	368.023	370.637	370.637	371.683	371.160	370.637	370.637	372.205
20.0	375.865	375.342	376.388	380.047	380.570	381.615	381.615	382.138	381.092	381.092
22.5	390.502	389.979	389.979	392.593	393.639	393.639	393.639	394.161	393.116	392.070
25.0	410.367	409.321	406.708	408.276	408.276	407.753	409.321	408.799	407.753	405.662
27.5	430.755	428.141	425.004	425.004	422.913	422.390	427.095	425.527	422.913	418.731
30.0	451.142	447.483	443.301	440.687	438.596	439.119	442.255	439.119	435.460	430.755
32.5	473.098	467.348	463.166	458.984	455.324	456.893	455.324	451.142	446.960	443.824
35.0	499.759	492.963	486.167	480.940	474.144	471.530	468.393	461.075	457.938	455.324
37.5	530.602	523.283	516.487	506.032	495.054	489.827	482.508	475.712	471.007	468.916
40.0	560.922	553.603	546.807	534.784	519.101	508.646	499.759	493.486	488.258	487.213
42.5	588.106	580.264	575.037	560.922	546.285	531.647	520.669	514.396	509.691	509.691
45.0	613.721	609.016	601.175	586.537	571.900	556.740	544.716	539.489	535.830	533.738
47.5	641.950	639.859	629.404	613.721	598.561	581.832	573.468	566.150	562.490	558.308
50.0	668.611	669.656	659.201	643.518	627.835	610.584	605.879	597.515	590.719	585.492
52.5	690.044	695.271	690.044	672.793	661.815	647.178	640.382	628.881	623.653	617.380
55.0	694.749	710.954	716.182	707.295	700.499	687.953	679.066	665.997	661.815	657.110
57.5	705.204	724.023	742.843	744.934	741.274	735.001	726.637	710.432	705.727	703.113
60.0	732.387	750.161	778.390	791.982	791.982	798.255	794.596	777.345	770.549	765.321
62.5	731.342	751.730	782.050	809.233	832.757	860.987	867.782	853.668	848.963	835.894
65.0	725.069	740.229	772.640	806.097	831.189	885.556	914.831	914.308	894.443	870.396

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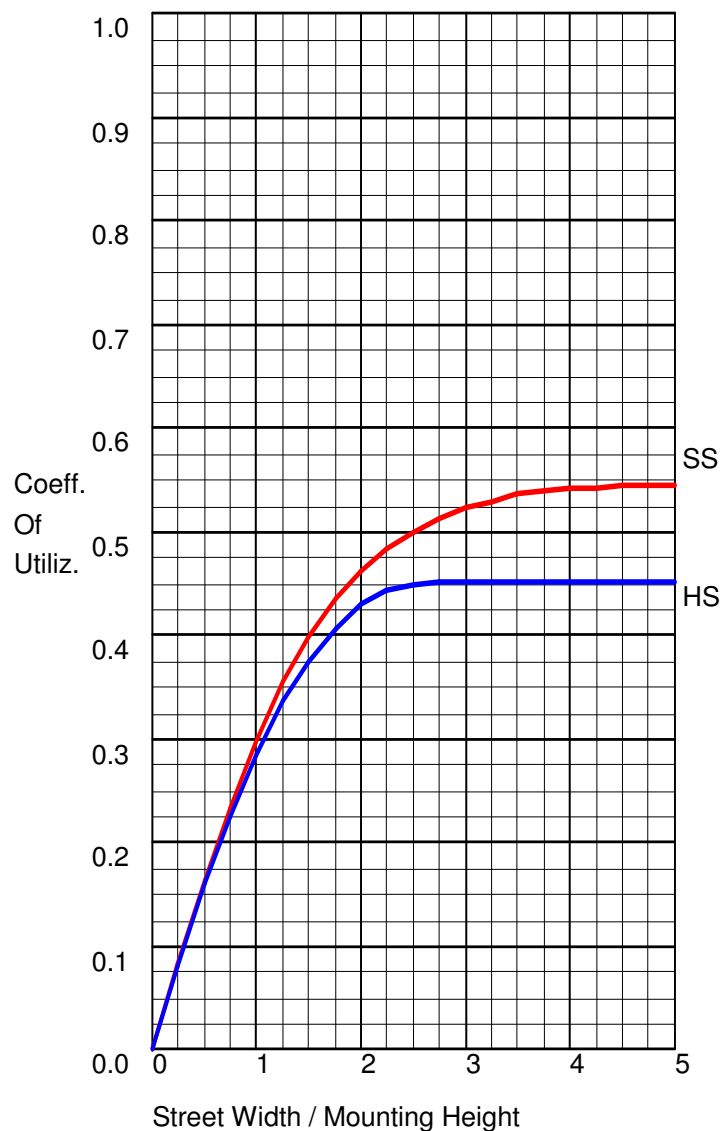
## CANDELA TABULATION - (Cont.)

67.5	732.387	754.866	771.595	782.572	804.006	881.897	921.627	863.600	802.437	771.595
70.0	731.865	771.595	786.755	780.481	775.777	819.166	720.887	661.292	717.227	433.891
72.5	671.224	743.365	782.572	760.617	774.208	565.104	499.236	350.772	65.345	12.023
75.0	324.634	408.799	498.191	520.669	474.667	393.639	90.438	8.887	2.091	1.568
77.5	116.053	133.827	162.579	194.467	225.833	6.273	2.091	1.568	1.046	1.046
80.0	51.753	58.549	55.413	44.957	17.251	1.046	1.046	0.523	0.523	0.523
82.5	22.479	22.479	14.637	6.273	1.046	0.523	0.523	0.523	0.523	0.523
85.0	9.410	5.228	2.614	0.523	0.523	0.523	0.523	0.000	0.000	0.000
87.5	2.091	0.523	0.523	0.523	0.523	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>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0.0	361.750	361.750	361.750	361.750	361.750	361.750	361.750
2.5	361.228	361.750	362.796	362.796	363.841	362.796	361.228
5.0	359.136	359.136	360.182	360.182	360.705	360.182	358.091
7.5	357.045	357.045	357.568	357.045	357.568	357.045	354.954
10.0	356.523	356.523	356.523	357.045	358.091	357.045	356.000
12.5	359.136	360.182	359.136	360.182	361.228	360.182	359.136
15.0	365.410	365.410	364.364	364.887	364.364	362.796	362.273
17.5	371.683	371.160	368.546	368.023	367.501	367.501	366.978
20.0	380.047	379.001	375.342	375.342	375.865	376.388	376.910
22.5	390.502	388.934	384.752	385.274	386.843	388.411	390.502
25.0	403.048	399.389	396.775	397.298	399.389	402.003	403.571
27.5	413.504	410.367	408.276	409.321	411.413	414.549	416.640
30.0	425.004	422.913	422.913	423.959	426.573	430.755	433.368
32.5	439.119	437.028	437.028	439.119	442.778	448.006	451.142
35.0	453.756	450.620	453.756	456.893	462.120	467.871	472.053
37.5	468.393	469.962	475.189	479.894	485.122	492.440	498.191
40.0	487.736	492.440	497.145	503.418	510.737	519.101	524.852
42.5	510.737	515.965	521.715	527.465	534.784	544.194	550.467
45.0	534.784	539.489	545.239	550.990	558.308	568.241	573.468
47.5	558.831	561.445	568.763	573.991	581.310	591.242	594.901
50.0	585.492	587.060	593.856	599.084	605.879	614.766	616.857
52.5	616.857	616.857	621.039	625.222	627.313	633.063	633.586
55.0	653.451	650.314	650.837	651.360	647.178	646.132	644.041
57.5	696.840	692.135	687.953	679.589	663.383	653.973	649.791
60.0	758.003	747.548	732.910	710.954	683.771	675.407	672.270
62.5	809.756	778.913	750.684	721.410	694.749	686.385	681.680
65.0	819.166	779.436	744.411	704.158	644.564	565.627	565.104
67.5	764.276	598.561	394.161	217.468	109.257	63.254	47.048
70.0	148.987	74.755	8.887	3.137	2.091	2.091	2.091
72.5	3.137	2.091	1.568	1.568	1.568	1.568	1.046
75.0	1.568	1.046	1.046	1.046	0.523	0.523	0.523
77.5	0.523	0.523	0.523	0.523	0.523	0.000	0.000
80.0	0.523	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
85.0	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
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

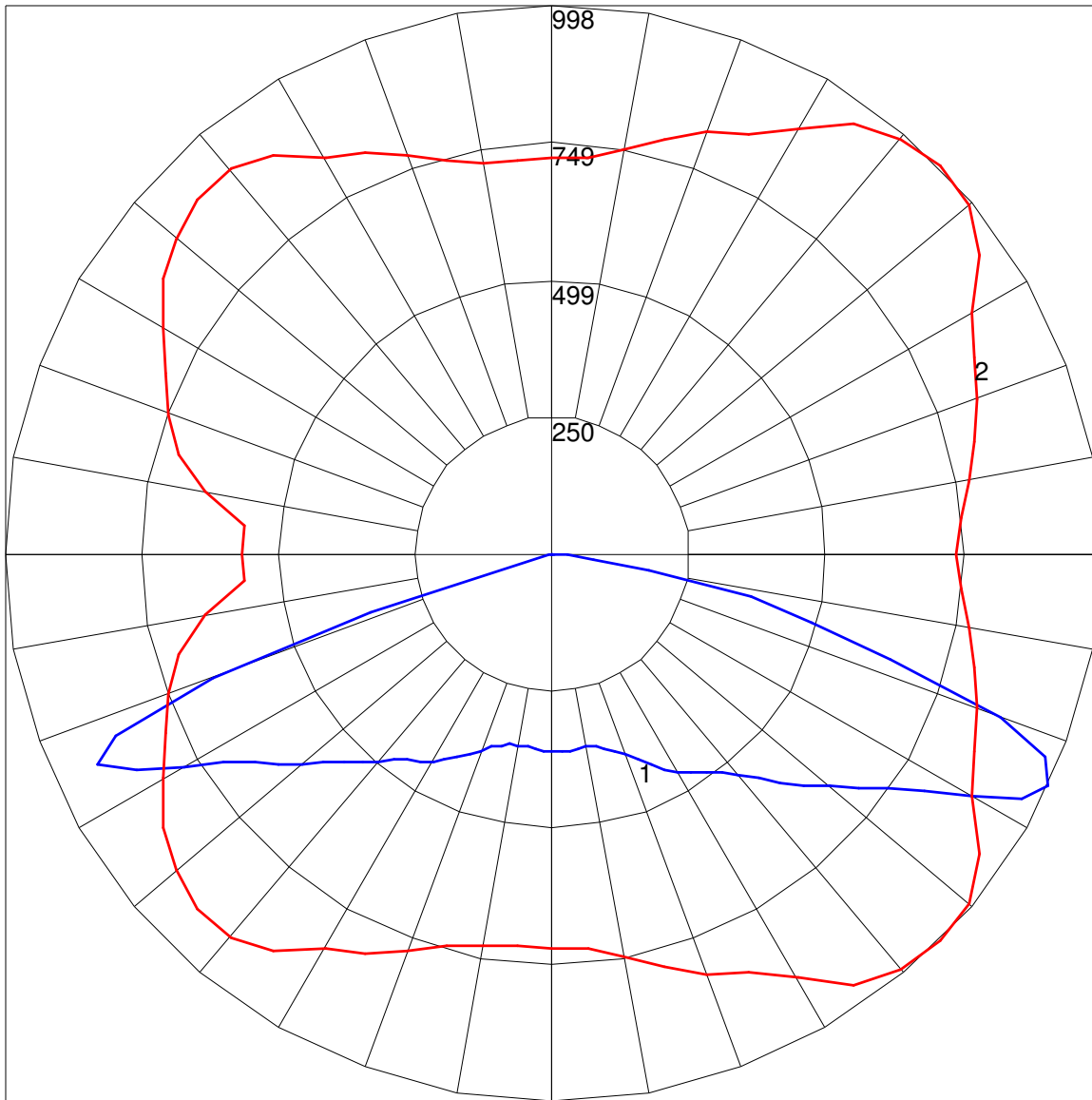
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

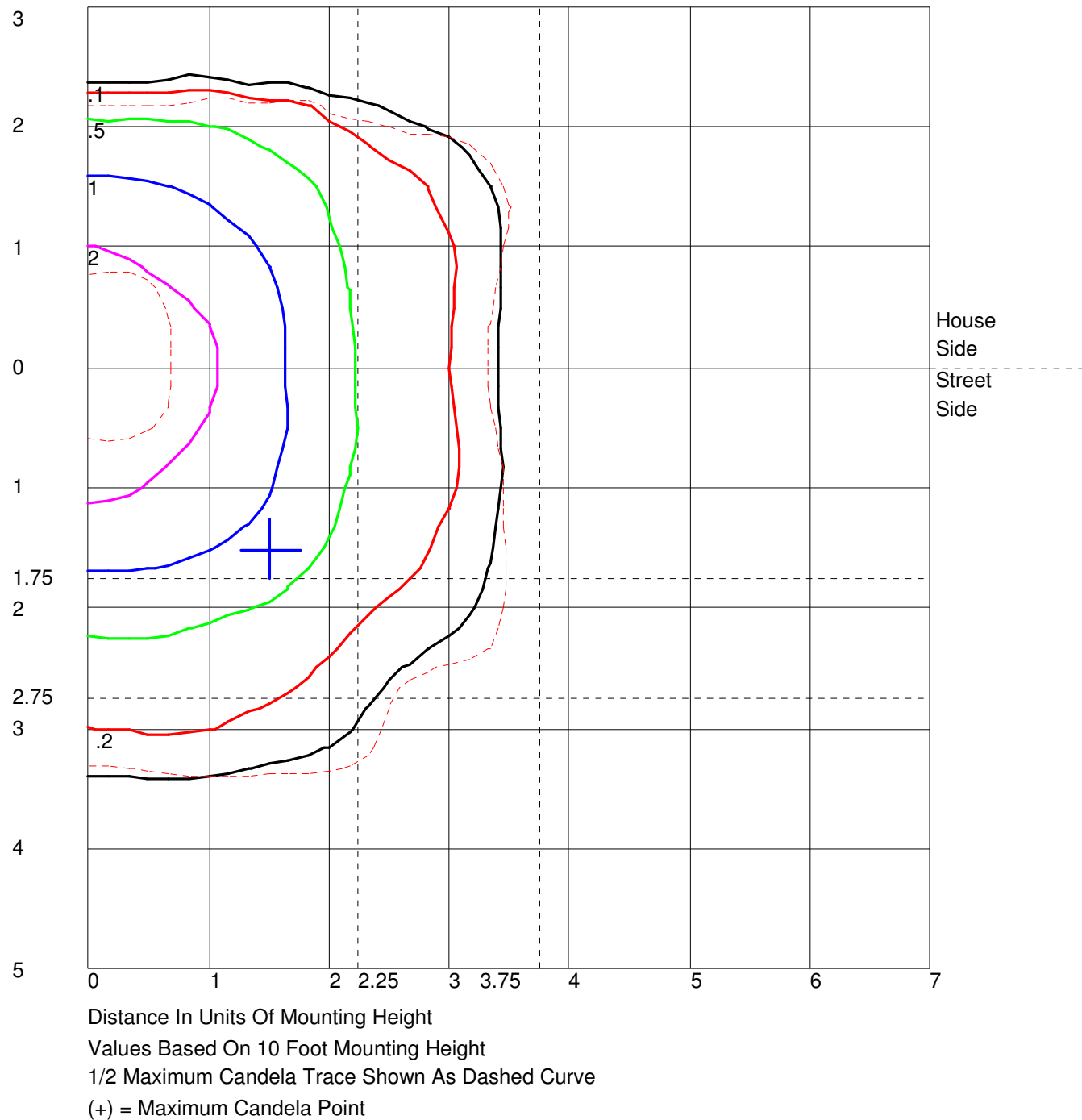
	Lumens	Percent Of Luminaire
Downward Street Side	1567.8	54.8
Downward House Side	1291.7	45.2
Downward Total	2859.5	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	2859.5	100.0

POLAR GRAPH



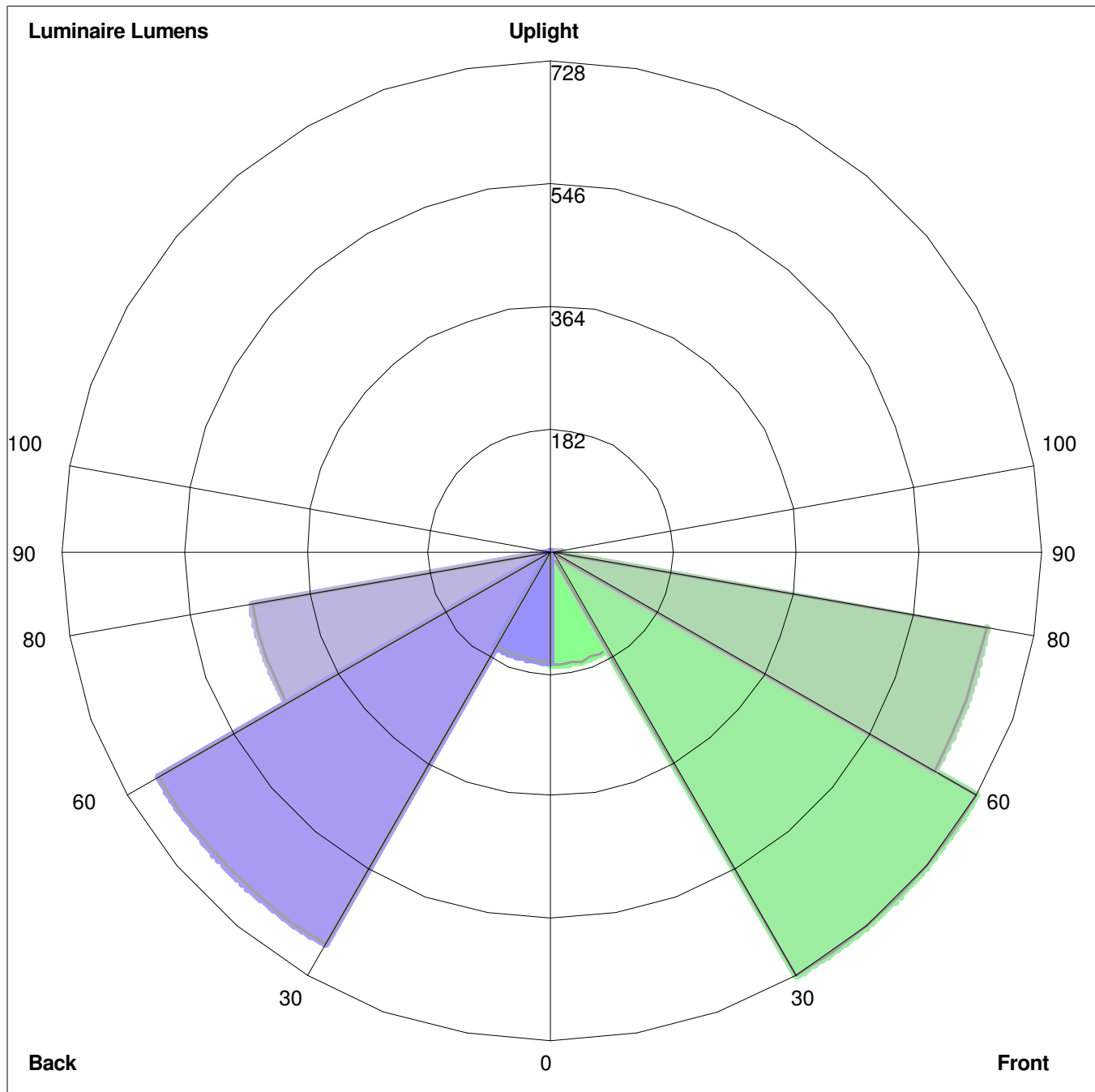
Maximum Candela = 998.473 Located At Horizontal Angle = 45, Vertical Angle = 65  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=168.3, Medium=728.4, High=656.2, Very High=14.9  
Back: Low=163.2, Medium=673.5, High=452.8, Very High=2.2  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1