



## IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-750-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-L30-750-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	3356
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	923.533
Maximum Candela Angle	52.5H 57.5V
Maximum Candela (<90 Degrees Vertical)	923.533
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	255.727 (7.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWPX-L30-750-TFT-XXX-SDGL-DIM-UNV\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	233.6	N.A.	7.0
FM - Front-Medium (30-60)	932.7	N.A.	27.8
FH - Front-High (60-80)	592.5	N.A.	17.7
FVH - Front-Very High (80-90)	45.3	N.A.	1.4
BL - Back-Low (0-30)	226.2	N.A.	6.7
BM - Back-Medium (30-60)	883.9	N.A.	26.3
BH - Back-High (60-80)	432.3	N.A.	12.9
BVH - Back-Very High (80-90)	9.4	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	3355.9	N.A.	100.0
BUG Rating	B1-U0-G1		

**IES ROAD REPORT**  
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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>	506.155	506.155	506.155	506.155	506.155	506.155	506.155	506.155	506.155	506.155
<b>2.5</b>	516.755	515.430	512.780	510.130	510.130	510.130	511.455	508.805	508.805	507.480
<b>5.0</b>	508.805	507.480	504.830	502.180	500.855	500.855	500.855	499.530	498.205	499.530
<b>7.5</b>	522.055	519.405	516.755	512.780	508.805	507.480	507.480	504.830	500.855	499.530
<b>10.0</b>	514.105	511.455	507.480	502.180	500.855	503.505	506.155	507.480	507.480	508.805
<b>12.5</b>	522.055	518.080	511.455	508.805	507.480	511.455	511.455	510.130	506.155	507.480
<b>15.0</b>	523.380	520.730	515.430	516.755	519.405	523.380	523.380	523.380	518.080	516.755
<b>17.5</b>	537.955	535.305	528.680	530.005	530.005	532.655	533.980	535.305	532.655	535.305
<b>20.0</b>	551.205	545.905	540.605	541.930	544.580	545.905	552.530	552.530	552.530	553.855
<b>22.5</b>	571.080	567.105	563.130	563.130	557.830	561.805	563.130	569.755	572.405	571.080
<b>25.0</b>	590.955	586.980	585.655	584.330	579.030	581.680	580.355	584.330	586.980	589.630
<b>27.5</b>	622.756	620.106	614.806	609.506	602.880	600.230	597.580	606.855	609.506	604.205
<b>30.0</b>	649.256	646.606	643.956	638.656	634.681	625.406	622.756	626.731	624.081	625.406
<b>32.5</b>	681.056	682.381	681.056	673.106	661.181	654.556	647.931	649.256	645.281	642.631
<b>35.0</b>	720.807	720.807	718.156	710.206	694.306	687.681	681.056	674.431	674.431	669.131
<b>37.5</b>	761.882	756.582	751.282	745.982	731.407	722.132	710.206	710.206	699.606	698.281
<b>40.0</b>	798.982	796.332	788.382	787.057	767.182	760.557	751.282	744.657	734.057	732.732
<b>42.5</b>	824.157	825.482	818.857	824.157	809.582	805.607	793.682	783.082	775.132	765.857
<b>45.0</b>	851.983	855.958	849.333	855.958	848.008	849.333	837.408	825.482	812.232	810.907
<b>47.5</b>	878.483	882.458	881.133	883.783	878.483	879.808	866.558	862.583	849.333	850.658
<b>50.0</b>	885.108	891.733	894.383	893.058	895.708	895.708	894.383	886.433	886.433	877.158
<b>52.5</b>	873.183	881.133	883.783	886.433	902.333	902.333	904.983	899.683	901.008	901.008
<b>55.0</b>	855.958	862.583	865.233	874.508	897.033	897.033	903.658	908.958	912.933	916.908
<b>57.5</b>	822.832	829.457	840.058	858.608	873.183	878.483	898.358	904.983	915.583	916.908
<b>60.0</b>	787.057	792.357	802.957	822.832	836.083	855.958	875.833	891.733	902.333	907.633
<b>62.5</b>	732.732	744.657	753.932	772.482	796.332	816.207	834.758	853.308	875.833	881.133
<b>65.0</b>	674.431	683.706	694.306	715.506	736.707	757.907	777.782	797.657	825.482	836.083
<b>67.5</b>	606.855	609.506	622.756	641.306	657.206	677.081	698.281	722.132	752.607	764.532
<b>70.0</b>	520.730	520.730	532.655	549.880	561.805	581.680	604.205	628.056	654.556	673.106
<b>72.5</b>	424.004	424.004	434.604	451.829	463.754	480.979	508.805	522.055	548.555	565.780
<b>75.0</b>	328.603	328.603	340.528	357.753	369.678	382.928	409.429	425.329	443.879	455.804
<b>77.5</b>	242.477	242.477	253.077	268.977	279.578	291.503	312.703	325.953	337.878	349.803
<b>80.0</b>	166.952	165.626	174.902	186.827	194.777	206.702	223.927	230.552	238.502	247.777
<b>82.5</b>	102.026	100.701	108.651	113.951	123.226	128.526	140.451	144.426	149.726	155.026
<b>85.0</b>	49.025	47.700	53.000	54.325	60.951	62.276	70.226	74.201	74.201	76.851
<b>87.5</b>	13.250	13.250	14.575	14.575	17.225	15.900	19.875	21.200	21.200	22.525
<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>	506.155	506.155	506.155	506.155	506.155	506.155	506.155	506.155	506.155	506.155
<b>2.5</b>	507.480	507.480	508.805	510.130	510.130	508.805	507.480	506.155	506.155	504.830
<b>5.0</b>	500.855	502.180	503.505	506.155	508.805	508.805	508.805	507.480	504.830	502.180
<b>7.5</b>	499.530	499.530	499.530	500.855	504.830	507.480	508.805	508.805	507.480	504.830
<b>10.0</b>	507.480	504.830	503.505	499.530	498.205	500.855	504.830	506.155	504.830	500.855
<b>12.5</b>	511.455	511.455	511.455	506.155	500.855	502.180	503.505	508.805	508.805	506.155
<b>15.0</b>	516.755	518.080	519.405	524.705	520.730	518.080	514.105	518.080	516.755	511.455
<b>17.5</b>	536.630	533.980	532.655	531.330	531.330	526.030	522.055	523.380	523.380	519.405
<b>20.0</b>	552.530	551.205	548.555	541.930	537.955	537.955	532.655	532.655	536.630	533.980
<b>22.5</b>	567.105	563.130	563.130	561.805	556.505	556.505	549.880	547.230	551.205	549.880
<b>25.0</b>	585.655	584.330	581.680	581.680	575.055	572.405	569.755	565.780	569.755	571.080
<b>27.5</b>	605.530	604.205	601.555	596.255	594.930	592.280	590.955	593.605	594.930	594.930

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## CANDELA TABULATION - (Cont.)

30.0	624.081	621.431	617.456	617.456	614.806	617.456	617.456	624.081	625.406	625.406
32.5	638.656	637.331	637.331	642.631	645.281	639.981	643.956	649.256	649.256	651.906
35.0	667.806	666.481	663.831	669.131	667.806	673.106	678.406	682.381	682.381	691.656
37.5	695.631	695.631	695.631	699.606	699.606	710.206	715.506	714.181	718.156	722.132
40.0	730.082	731.407	732.732	735.382	735.382	745.982	752.607	753.932	760.557	761.882
42.5	772.482	773.807	772.482	775.132	776.457	789.707	791.032	793.682	793.682	795.007
45.0	809.582	810.907	809.582	810.907	817.532	826.807	826.807	824.157	824.157	822.832
47.5	846.683	845.358	844.033	848.008	849.333	853.308	850.658	849.333	844.033	845.358
50.0	878.483	877.158	877.158	878.483	877.158	881.133	875.833	866.558	859.933	861.258
52.5	899.683	901.008	901.008	895.708	894.383	891.733	882.458	875.833	865.233	862.583
55.0	914.258	918.233	916.908	908.958	901.008	894.383	879.808	873.183	859.933	855.958
57.5	920.883	923.533	920.883	907.633	897.033	886.433	869.208	853.308	841.383	834.758
60.0	912.933	912.933	911.608	891.733	882.458	867.883	845.358	829.457	806.932	802.957
62.5	891.733	890.408	886.433	874.508	853.308	840.058	814.882	793.682	772.482	767.182
65.0	846.683	846.683	844.033	836.083	809.582	795.007	773.807	748.632	728.757	716.831
67.5	773.807	776.457	777.782	765.857	748.632	730.082	708.881	685.031	670.456	655.881
70.0	682.381	685.031	686.356	677.081	662.506	651.906	628.056	606.855	590.955	575.055
72.5	577.705	579.030	579.030	572.405	560.480	551.205	532.655	511.455	494.229	479.654
75.0	463.754	463.754	469.054	461.104	455.804	441.229	430.629	402.804	385.578	372.328
77.5	352.453	359.078	359.078	349.803	344.503	333.903	321.978	298.128	283.553	278.253
80.0	249.102	255.727	249.102	246.452	242.477	231.877	223.927	206.702	196.102	193.452
82.5	156.351	161.651	157.676	155.026	156.351	145.751	141.776	129.851	124.551	123.226
85.0	78.176	82.151	83.476	78.176	80.826	74.201	74.201	67.576	64.926	64.926
87.5	22.525	25.175	26.500	23.850	26.500	23.850	25.175	22.525	23.850	23.850
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	506.155	506.155	506.155	506.155	506.155	506.155	506.155	506.155	506.155	506.155
2.5	503.505	502.180	502.180	502.180	502.180	502.180	502.180	502.180	500.855	500.855
5.0	500.855	498.205	498.205	498.205	498.205	500.855	504.830	506.155	508.805	510.130
7.5	503.505	500.855	500.855	502.180	504.830	508.805	511.455	508.805	506.155	504.830
10.0	498.205	498.205	502.180	506.155	508.805	507.480	506.155	502.180	499.530	499.530
12.5	502.180	504.830	507.480	507.480	503.505	500.855	500.855	499.530	504.830	507.480
15.0	507.480	511.455	514.105	511.455	508.805	506.155	508.805	510.130	510.130	507.480
17.5	512.780	514.105	516.755	514.105	514.105	519.405	523.380	523.380	522.055	520.730
20.0	531.330	527.355	527.355	526.030	530.005	528.680	531.330	532.655	536.630	535.305
22.5	549.880	547.230	541.930	540.605	541.930	541.930	545.905	545.905	545.905	544.580
25.0	571.080	567.105	560.480	557.830	560.480	560.480	563.130	560.480	560.480	556.505
27.5	590.955	586.980	584.330	583.005	577.705	580.355	576.380	575.055	576.380	572.405
30.0	621.431	617.456	616.131	606.855	597.580	597.580	594.930	592.280	590.955	584.330
32.5	650.581	647.931	645.281	637.331	626.731	618.781	616.131	612.156	610.831	601.555
35.0	690.331	683.706	678.406	669.131	657.206	645.281	637.331	632.031	628.056	618.781
37.5	722.132	718.156	711.531	704.906	686.356	673.106	663.831	654.556	647.931	639.981
40.0	761.882	760.557	752.607	738.032	722.132	710.206	696.956	682.381	670.456	666.481
42.5	798.982	797.657	789.707	783.082	764.532	747.307	728.757	719.481	704.906	700.931
45.0	826.807	825.482	824.157	814.882	797.657	785.732	768.507	756.582	738.032	738.032
47.5	845.358	845.358	850.658	844.033	828.132	816.207	804.282	792.357	784.407	776.457
50.0	866.558	863.908	866.558	867.883	862.583	846.683	841.383	836.083	820.182	816.207
52.5	873.183	873.183	882.458	890.408	885.108	877.158	869.208	866.558	857.283	848.008
55.0	865.233	875.833	890.408	895.708	898.358	897.033	890.408	886.433	875.833	866.558
57.5	849.333	862.583	879.808	890.408	894.383	899.683	894.383	890.408	883.783	866.558
60.0	820.182	832.108	854.633	871.858	875.833	885.108	885.108	877.158	866.558	850.658
62.5	777.782	796.332	817.532	833.433	850.658	851.983	859.933	851.983	840.058	825.482
65.0	727.432	747.307	767.182	781.757	797.657	805.607	812.232	805.607	789.707	775.132

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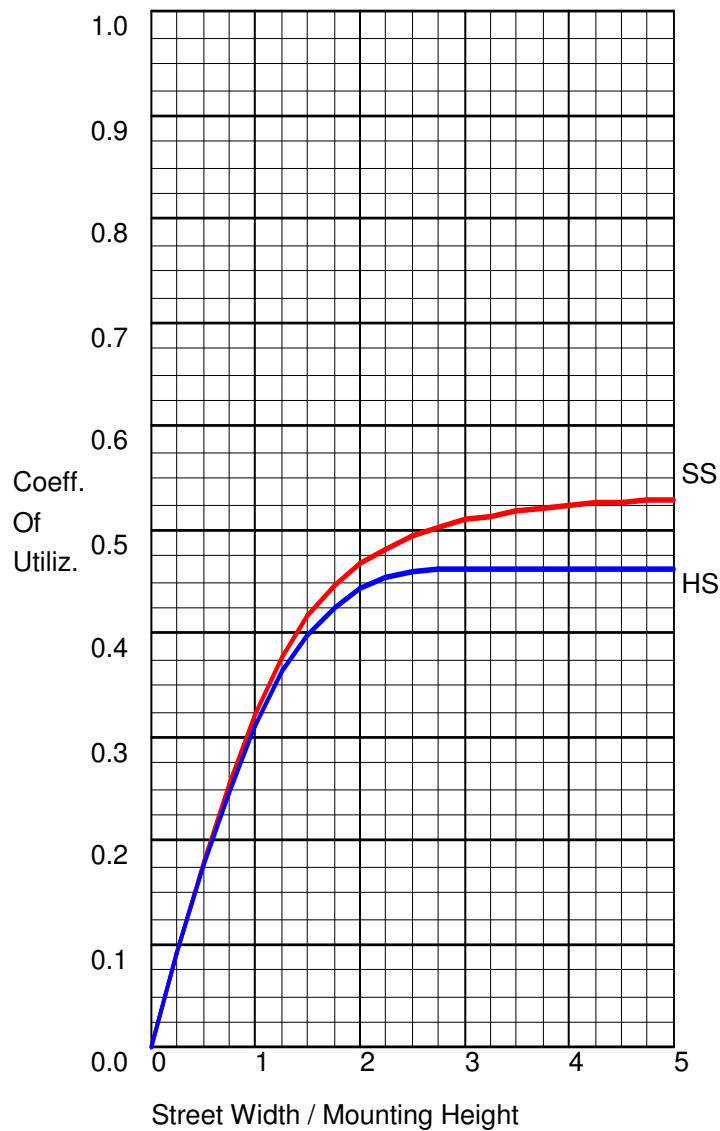
## CANDELA TABULATION - (Cont.)

67.5	665.156	682.381	699.606	712.856	728.757	731.407	734.057	727.432	711.531	689.006
70.0	584.330	596.255	617.456	628.056	643.956	634.681	638.656	632.031	606.855	552.530
72.5	488.929	502.180	516.755	523.380	535.305	520.730	518.080	516.755	447.854	230.552
75.0	378.953	393.529	406.779	416.054	412.079	329.928	306.078	288.853	72.876	6.625
77.5	279.578	290.178	302.103	300.778	227.902	141.776	87.451	7.950	2.650	1.325
80.0	196.102	202.727	209.352	151.051	29.150	7.950	2.650	1.325	1.325	0.000
82.5	124.551	128.526	128.526	56.976	3.975	1.325	1.325	1.325	0.000	0.000
85.0	66.251	66.251	51.675	7.950	1.325	0.000	0.000	0.000	0.000	0.000
87.5	23.850	21.200	3.975	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	506.155	506.155	506.155	506.155	506.155	506.155	506.155	506.155
2.5	500.855	503.505	504.830	507.480	506.155	504.830	503.505	502.180
5.0	511.455	512.780	514.105	515.430	514.105	511.455	507.480	507.480
7.5	503.505	503.505	506.155	506.155	503.505	499.530	496.879	494.229
10.0	499.530	500.855	504.830	507.480	507.480	503.505	499.530	496.879
12.5	508.805	507.480	506.155	506.155	507.480	503.505	498.205	495.554
15.0	510.130	511.455	511.455	511.455	510.130	507.480	503.505	500.855
17.5	522.055	520.730	518.080	515.430	511.455	511.455	510.130	507.480
20.0	532.655	528.680	522.055	523.380	519.405	519.405	515.430	514.105
22.5	543.255	536.630	533.980	535.305	532.655	532.655	528.680	528.680
25.0	556.505	552.530	547.230	543.255	545.905	548.555	543.255	544.580
27.5	569.755	564.455	564.455	561.805	561.805	561.805	555.180	557.830
30.0	585.655	581.680	576.380	573.730	581.680	588.305	581.680	588.305
32.5	596.255	600.230	594.930	596.255	596.255	602.880	605.530	614.806
35.0	614.806	616.131	613.481	621.431	625.406	634.681	639.981	642.631
37.5	636.006	636.006	642.631	647.931	649.256	661.181	669.131	670.456
40.0	663.831	661.181	674.431	682.381	687.681	696.956	707.556	706.231
42.5	695.631	692.981	704.906	714.181	723.457	738.032	747.307	747.307
45.0	734.057	731.407	740.682	755.257	757.907	767.182	779.107	783.082
47.5	775.132	769.832	779.107	789.707	793.682	798.982	810.907	813.557
50.0	814.882	808.257	812.232	821.507	825.482	829.457	833.433	834.758
52.5	844.033	836.083	832.108	834.758	836.083	834.758	833.433	833.433
55.0	850.658	837.408	828.132	825.482	822.832	818.857	812.232	810.907
57.5	840.058	829.457	813.557	802.957	795.007	787.057	779.107	779.107
60.0	824.157	805.607	789.707	776.457	759.232	747.307	731.407	735.382
62.5	797.657	773.807	751.282	731.407	706.231	687.681	667.806	667.806
65.0	745.982	712.856	677.081	641.306	586.980	551.205	502.180	500.855
67.5	649.256	581.680	480.979	363.053	223.927	159.001	79.501	79.501
70.0	420.029	234.527	55.651	11.925	6.625	5.300	5.300	5.300
72.5	33.125	7.950	3.975	3.975	2.650	2.650	2.650	2.650
75.0	3.975	2.650	1.325	1.325	1.325	1.325	1.325	1.325
77.5	1.325	1.325	1.325	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

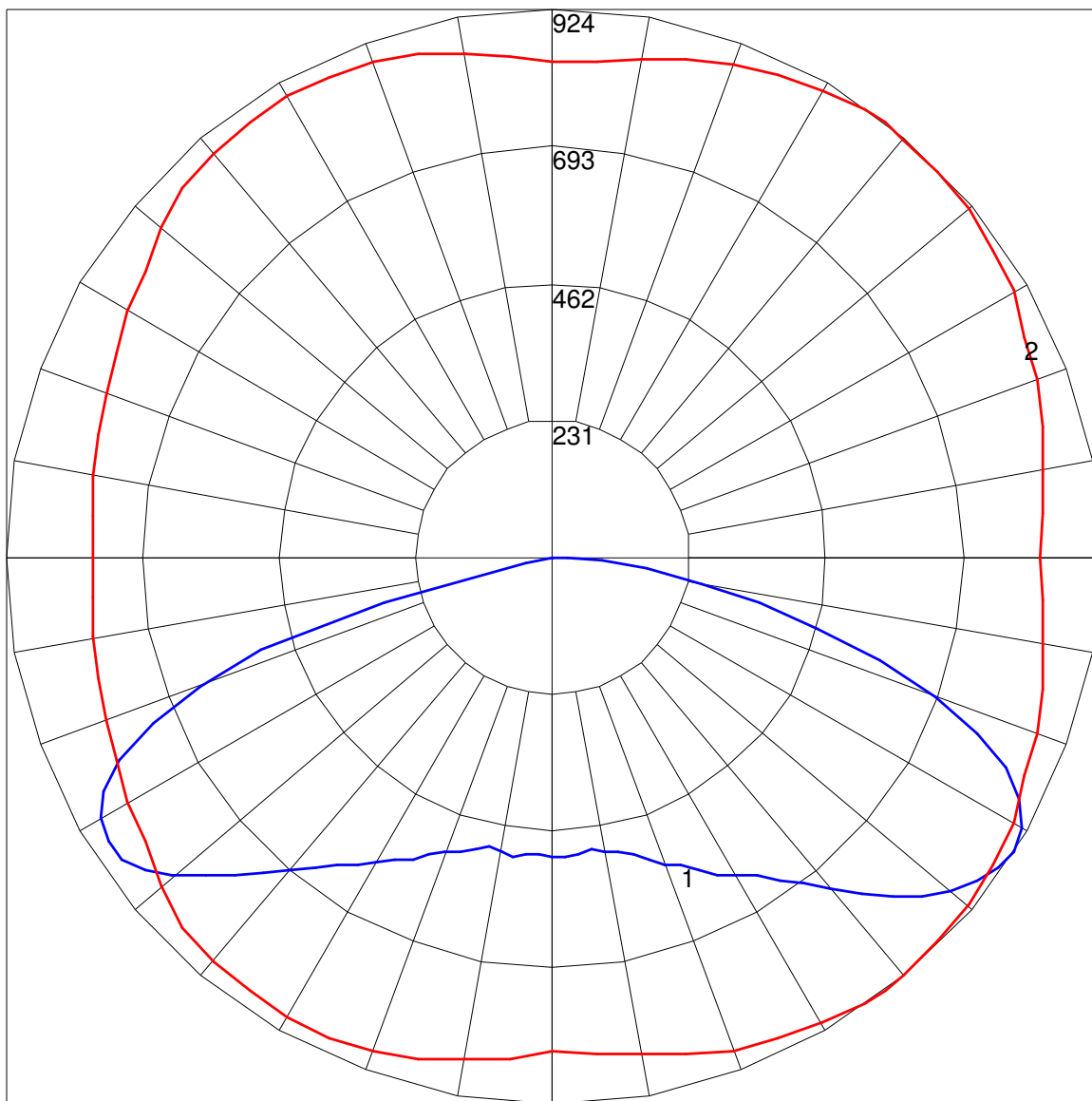
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

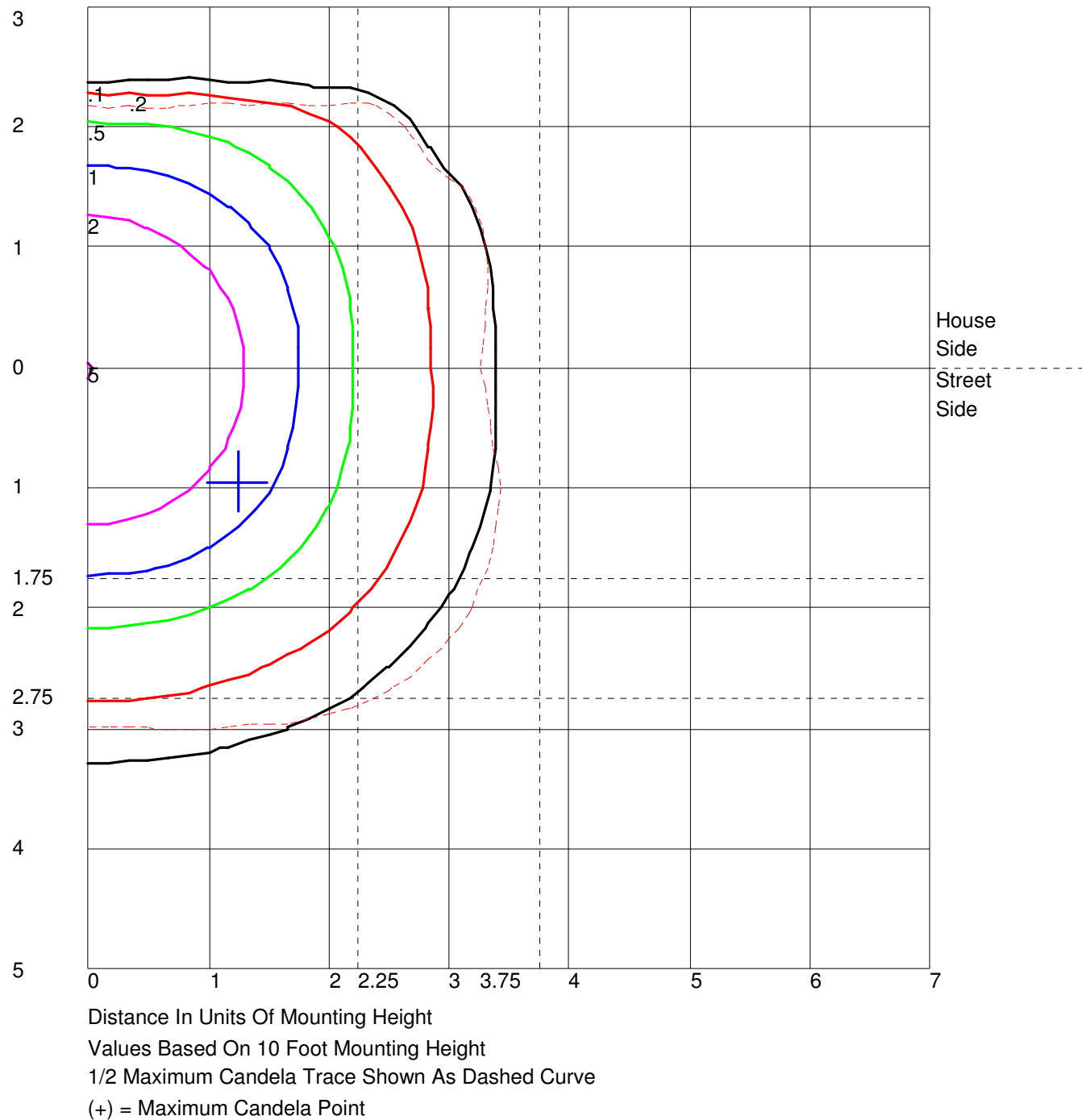
	Lumens	Percent Of Luminaire
Downward Street Side	1804.1	53.8
Downward House Side	1551.9	46.2
Downward Total	3356.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3356.0	100.0

POLAR GRAPH



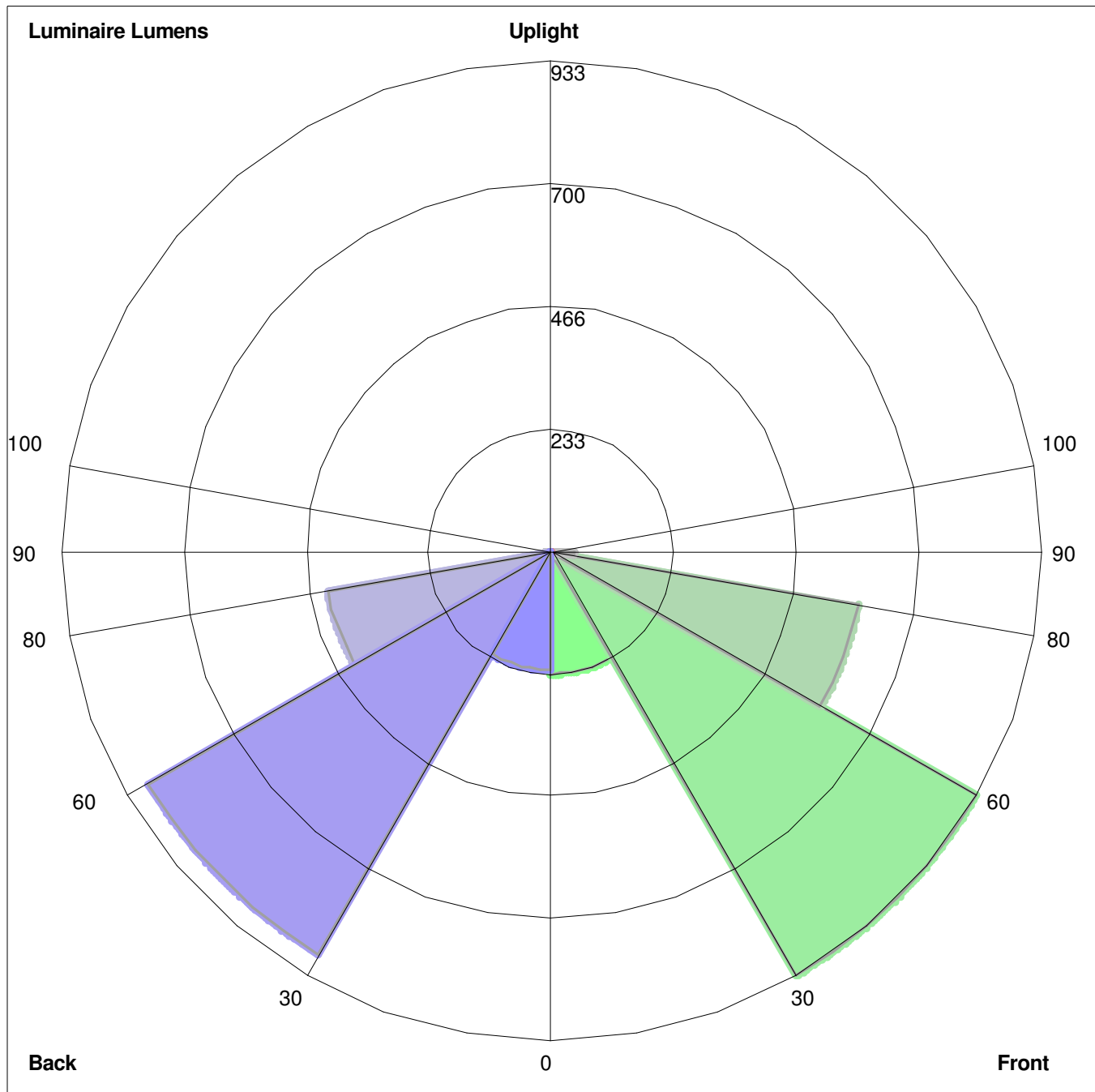
Maximum Candela = 923.533 Located At Horizontal Angle = 52.5, Vertical Angle = 57.5  
# 1 - Vertical Plane Through Horizontal Angles (52.5 - 232.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=233.6, Medium=932.7, High=592.5, Very High=45.3  
Back: Low=226.2, Medium=883.9, High=432.3, Very High=9.4  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1