



IES ROAD REPORT
PHOTOMETRIC FILENAME : VWPX-L30-740-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-L30-740-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_SOURCE TYPE] 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	3258
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	896.634
Maximum Candela Angle	52.5H 57.5V
Maximum Candela (<90 Degrees Vertical)	896.634
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	248.279 (7.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L30-740-TFT-XXX-SDGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	226.8	N.A.	7.0
FM - Front-Medium (30-60)	905.6	N.A.	27.8
FH - Front-High (60-80)	575.2	N.A.	17.7
FVH - Front-Very High (80-90)	44.0	N.A.	1.4
BL - Back-Low (0-30)	219.7	N.A.	6.7
BM - Back-Medium (30-60)	858.2	N.A.	26.3
BH - Back-High (60-80)	419.7	N.A.	12.9
BVH - Back-Very High (80-90)	9.1	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	3258.3	N.A.	100.0
BUG Rating	B1-U0-G1		

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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	491.412	491.412	491.412	491.412	491.412	491.412	491.412	491.412	491.412	491.412
2.5	501.703	500.417	497.844	495.271	495.271	495.271	496.558	493.985	493.985	492.698
5.0	493.985	492.698	490.126	487.553	486.266	486.266	486.266	484.980	483.694	484.980
7.5	506.849	504.276	501.703	497.844	493.985	492.698	492.698	490.126	486.266	484.980
10.0	499.131	496.558	492.698	487.553	486.266	488.839	491.412	492.698	492.698	493.985
12.5	506.849	502.990	496.558	493.985	492.698	496.558	496.558	495.271	491.412	492.698
15.0	508.136	505.563	500.417	501.703	504.276	508.136	508.136	508.136	502.990	501.703
17.5	522.286	519.713	513.281	514.568	514.568	517.140	518.427	519.713	517.140	519.713
20.0	535.150	530.005	524.859	526.145	528.718	530.005	536.437	536.437	536.437	537.723
22.5	554.447	550.587	546.728	546.728	541.582	545.442	546.728	553.160	555.733	554.447
25.0	573.743	569.884	568.597	567.311	562.165	564.738	563.452	567.311	569.884	572.456
27.5	604.617	602.044	596.898	591.753	585.321	582.748	580.175	589.180	591.753	586.607
30.0	630.345	627.772	625.200	620.054	616.195	607.190	604.617	608.476	605.903	607.190
32.5	661.219	662.506	661.219	653.501	641.923	635.491	629.059	630.345	626.486	623.913
35.0	699.812	699.812	697.239	689.521	674.084	667.651	661.219	654.787	654.787	649.642
37.5	739.691	734.545	729.400	724.254	710.103	701.098	689.521	689.521	679.229	677.943
40.0	775.711	773.138	765.419	764.133	744.837	738.405	729.400	722.967	712.676	711.390
42.5	800.153	801.439	795.007	800.153	786.002	782.143	770.565	760.274	752.555	743.550
45.0	827.167	831.027	824.595	831.027	823.308	824.595	813.017	801.439	788.575	787.288
47.5	852.896	856.755	855.469	858.041	852.896	854.182	841.318	837.459	824.595	825.881
50.0	859.328	865.760	868.333	867.046	869.619	869.619	868.333	860.614	860.614	851.609
52.5	847.750	855.469	858.041	860.614	876.051	876.051	878.624	873.479	874.765	874.765
55.0	831.027	837.459	840.032	849.037	870.906	870.906	877.338	882.483	886.343	890.202
57.5	798.866	805.298	815.590	833.600	847.750	852.896	872.192	878.624	888.916	890.202
60.0	764.133	769.279	779.570	798.866	811.730	831.027	850.323	865.760	876.051	881.197
62.5	711.390	722.967	731.972	749.982	773.138	792.434	810.444	828.454	850.323	855.469
65.0	654.787	663.792	674.084	694.666	715.249	735.832	755.128	774.424	801.439	811.730
67.5	589.180	591.753	604.617	622.627	638.064	657.360	677.943	701.098	730.686	742.264
70.0	505.563	505.563	517.140	533.864	545.442	564.738	586.607	609.763	635.491	653.501
72.5	411.654	411.654	421.945	438.669	450.247	466.970	493.985	506.849	532.577	549.301
75.0	319.032	319.032	330.610	347.333	358.911	371.775	397.503	412.941	430.950	442.528
77.5	235.415	235.415	245.706	261.143	271.434	283.012	303.595	316.459	328.037	339.615
80.0	162.089	160.802	169.807	181.385	189.104	200.681	217.405	223.837	231.555	240.560
82.5	99.054	97.768	105.486	110.632	119.637	124.783	136.360	140.220	145.365	150.511
85.0	47.598	46.311	51.457	52.743	59.175	60.462	68.180	72.039	72.039	74.612
87.5	12.864	12.864	14.151	14.151	16.723	15.437	19.296	20.583	20.583	21.869
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	491.412	491.412	491.412	491.412	491.412	491.412	491.412	491.412	491.412	491.412
2.5	492.698	492.698	493.985	495.271	495.271	493.985	492.698	491.412	491.412	490.126
5.0	486.266	487.553	488.839	491.412	493.985	493.985	493.985	492.698	490.126	487.553
7.5	484.980	484.980	484.980	486.266	490.126	492.698	493.985	493.985	492.698	490.126
10.0	492.698	490.126	488.839	484.980	483.694	486.266	490.126	491.412	490.126	486.266
12.5	496.558	496.558	496.558	491.412	486.266	487.553	488.839	493.985	493.985	491.412
15.0	501.703	502.990	504.276	509.422	505.563	502.990	499.131	502.990	501.703	496.558
17.5	521.000	518.427	517.140	515.854	515.854	510.708	506.849	508.136	508.136	504.276
20.0	536.437	535.150	532.577	526.145	522.286	522.286	517.140	517.140	521.000	518.427
22.5	550.587	546.728	546.728	545.442	540.296	540.296	533.864	531.291	535.150	533.864
25.0	568.597	567.311	564.738	564.738	558.306	555.733	553.160	549.301	553.160	554.447
27.5	587.893	586.607	584.034	578.889	577.602	575.029	573.743	576.316	577.602	577.602

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CANDELA TABULATION - (Cont.)

30.0	605.903	603.331	599.471	599.471	596.898	599.471	599.471	605.903	607.190	607.190
32.5	620.054	618.768	618.768	623.913	626.486	621.340	625.200	630.345	630.345	632.918
35.0	648.355	647.069	644.496	649.642	648.355	653.501	658.647	662.506	662.506	671.511
37.5	675.370	675.370	675.370	679.229	679.229	689.521	694.666	693.380	697.239	701.098
40.0	708.817	710.103	711.390	713.963	713.963	724.254	730.686	731.972	738.405	739.691
42.5	749.982	751.269	749.982	752.555	753.842	766.706	767.992	770.565	770.565	771.851
45.0	786.002	787.288	786.002	787.288	793.721	802.725	802.725	800.153	800.153	798.866
47.5	822.022	820.735	819.449	823.308	824.595	828.454	825.881	824.595	819.449	820.735
50.0	852.896	851.609	851.609	852.896	851.609	855.469	850.323	841.318	834.886	836.172
52.5	873.479	874.765	874.765	869.619	868.333	865.760	856.755	850.323	840.032	837.459
55.0	887.629	891.488	890.202	882.483	874.765	868.333	854.182	847.750	834.886	831.027
57.5	894.061	896.634	894.061	881.197	870.906	860.614	843.891	828.454	816.876	810.444
60.0	886.343	886.343	885.056	865.760	856.755	842.604	820.735	805.298	783.429	779.570
62.5	865.760	864.474	860.614	849.037	828.454	815.590	791.148	770.565	749.982	744.837
65.0	822.022	822.022	819.449	811.730	786.002	771.851	751.269	726.827	707.530	695.953
67.5	751.269	753.842	755.128	743.550	726.827	708.817	688.234	665.079	650.928	636.777
70.0	662.506	665.079	666.365	657.360	643.210	632.918	609.763	589.180	573.743	558.306
72.5	560.879	562.165	562.165	555.733	544.155	535.150	517.140	496.558	479.834	465.684
75.0	450.247	450.247	455.392	447.674	442.528	428.378	418.086	391.071	374.348	361.484
77.5	342.187	348.620	348.620	339.615	334.469	324.178	312.600	289.444	275.294	270.148
80.0	241.847	248.279	241.847	239.274	235.415	225.123	217.405	200.681	190.390	187.817
82.5	151.797	156.943	153.084	150.511	151.797	141.506	137.647	126.069	120.923	119.637
85.0	75.899	79.758	81.044	75.899	78.472	72.039	72.039	65.607	63.035	63.035
87.5	21.869	24.442	25.728	23.156	25.728	23.156	24.442	21.869	23.156	23.156
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	491.412	491.412	491.412	491.412	491.412	491.412	491.412	491.412	491.412	491.412
2.5	488.839	487.553	487.553	487.553	487.553	487.553	487.553	487.553	486.266	486.266
5.0	486.266	483.694	483.694	483.694	483.694	486.266	490.126	491.412	493.985	495.271
7.5	488.839	486.266	486.266	487.553	490.126	493.985	496.558	493.985	491.412	490.126
10.0	483.694	483.694	487.553	491.412	493.985	492.698	491.412	487.553	484.980	484.980
12.5	487.553	490.126	492.698	492.698	488.839	486.266	486.266	484.980	490.126	492.698
15.0	492.698	496.558	499.131	496.558	493.985	491.412	493.985	495.271	495.271	492.698
17.5	497.844	499.131	501.703	499.131	499.131	504.276	508.136	508.136	506.849	505.563
20.0	515.854	511.995	511.995	510.708	514.568	513.281	515.854	517.140	521.000	519.713
22.5	533.864	531.291	526.145	524.859	526.145	526.145	530.005	530.005	530.005	528.718
25.0	554.447	550.587	544.155	541.582	544.155	544.155	546.728	544.155	544.155	540.296
27.5	573.743	569.884	567.311	566.024	560.879	563.452	559.592	558.306	559.592	555.733
30.0	603.331	599.471	598.185	589.180	580.175	580.175	577.602	575.029	573.743	567.311
32.5	631.632	629.059	626.486	618.768	608.476	600.758	598.185	594.326	593.039	584.034
35.0	670.224	663.792	658.647	649.642	638.064	626.486	618.768	613.622	609.763	600.758
37.5	701.098	697.239	690.807	684.375	666.365	653.501	644.496	635.491	629.059	621.340
40.0	739.691	738.405	730.686	716.535	701.098	689.521	676.656	662.506	650.928	647.069
42.5	775.711	774.424	766.706	760.274	742.264	725.540	707.530	698.526	684.375	680.516
45.0	802.725	801.439	800.153	791.148	774.424	762.846	746.123	734.545	716.535	716.535
47.5	820.735	820.735	825.881	819.449	804.012	792.434	780.856	769.279	761.560	753.842
50.0	841.318	838.745	841.318	842.604	837.459	822.022	816.876	811.730	796.293	792.434
52.5	847.750	847.750	856.755	864.474	859.328	851.609	843.891	841.318	832.313	823.308
55.0	840.032	850.323	864.474	869.619	872.192	870.906	864.474	860.614	850.323	841.318
57.5	824.595	837.459	854.182	864.474	868.333	873.479	868.333	864.474	858.041	841.318
60.0	796.293	807.871	829.740	846.464	850.323	859.328	859.328	851.609	841.318	825.881
62.5	755.128	773.138	793.721	809.158	825.881	827.167	834.886	827.167	815.590	801.439
65.0	706.244	725.540	744.837	758.987	774.424	782.143	788.575	782.143	766.706	752.555

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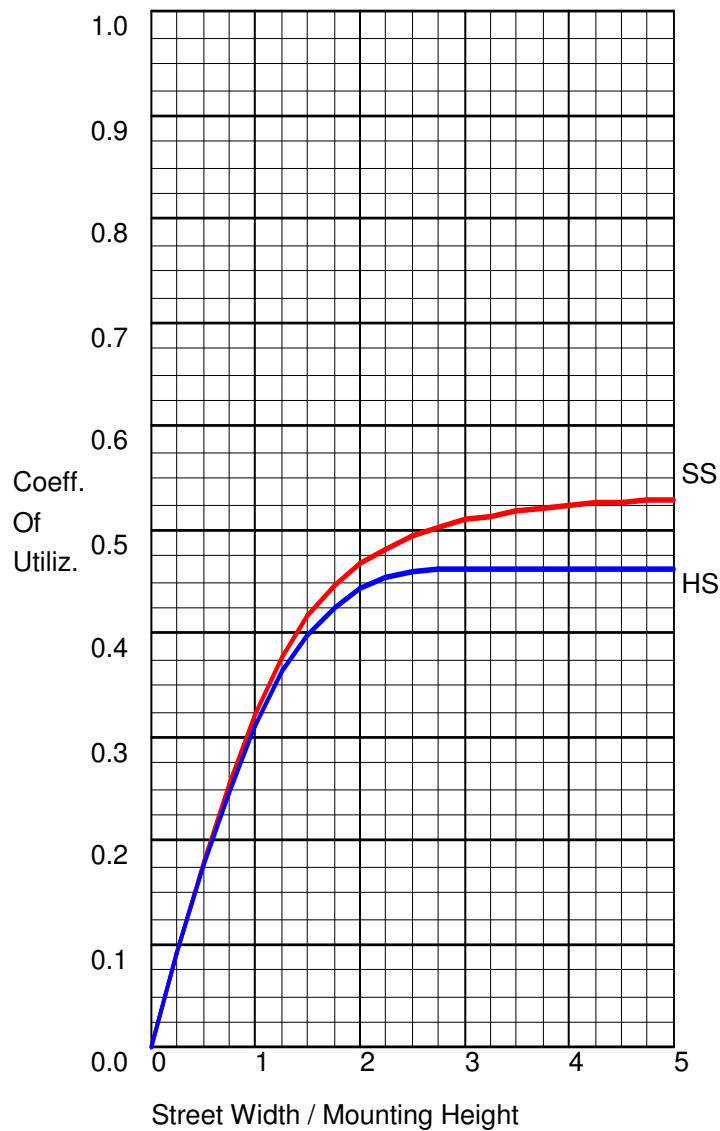
CANDELA TABULATION - (Cont.)

67.5	645.782	662.506	679.229	692.093	707.530	710.103	712.676	706.244	690.807	668.938
70.0	567.311	578.889	599.471	609.763	625.200	616.195	620.054	613.622	589.180	536.437
72.5	474.689	487.553	501.703	508.136	519.713	505.563	502.990	501.703	434.810	223.837
75.0	367.916	382.066	394.931	403.936	400.076	320.318	297.163	280.439	70.753	6.432
77.5	271.434	281.726	293.304	292.017	221.264	137.647	84.904	7.719	2.573	1.286
80.0	190.390	196.822	203.254	146.652	28.301	7.719	2.573	1.286	1.286	0.000
82.5	120.923	124.783	124.783	55.316	3.859	1.286	1.286	1.286	0.000	0.000
85.0	64.321	64.321	50.170	7.719	1.286	0.000	0.000	0.000	0.000	0.000
87.5	23.156	20.583	3.859	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	491.412	491.412	491.412	491.412	491.412	491.412	491.412	491.412
2.5	486.266	488.839	490.126	492.698	491.412	490.126	488.839	487.553
5.0	496.558	497.844	499.131	500.417	499.131	496.558	492.698	492.698
7.5	488.839	488.839	491.412	491.412	488.839	484.980	482.407	479.834
10.0	484.980	486.266	490.126	492.698	492.698	488.839	484.980	482.407
12.5	493.985	492.698	491.412	491.412	492.698	488.839	483.694	481.121
15.0	495.271	496.558	496.558	496.558	495.271	492.698	488.839	486.266
17.5	506.849	505.563	502.990	500.417	496.558	496.558	495.271	492.698
20.0	517.140	513.281	506.849	508.136	504.276	504.276	500.417	499.131
22.5	527.432	521.000	518.427	519.713	517.140	517.140	513.281	513.281
25.0	540.296	536.437	531.291	527.432	530.005	532.577	527.432	528.718
27.5	553.160	548.015	548.015	545.442	545.442	545.442	539.010	541.582
30.0	568.597	564.738	559.592	557.019	564.738	571.170	564.738	571.170
32.5	578.889	582.748	577.602	578.889	578.889	585.321	587.893	596.898
35.0	596.898	598.185	595.612	603.331	607.190	616.195	621.340	623.913
37.5	617.481	617.481	623.913	629.059	630.345	641.923	649.642	650.928
40.0	644.496	641.923	654.787	662.506	667.651	676.656	686.948	685.661
42.5	675.370	672.797	684.375	693.380	702.385	716.535	725.540	725.540
45.0	712.676	710.103	719.108	733.259	735.832	744.837	756.414	760.274
47.5	752.555	747.409	756.414	766.706	770.565	775.711	787.288	789.861
50.0	791.148	784.716	788.575	797.580	801.439	805.298	809.158	810.444
52.5	819.449	811.730	807.871	810.444	811.730	810.444	809.158	809.158
55.0	825.881	813.017	804.012	801.439	798.866	795.007	788.575	787.288
57.5	815.590	805.298	789.861	779.570	771.851	764.133	756.414	756.414
60.0	800.153	782.143	766.706	753.842	737.118	725.540	710.103	713.963
62.5	774.424	751.269	729.400	710.103	685.661	667.651	648.355	648.355
65.0	724.254	692.093	657.360	622.627	569.884	535.150	487.553	486.266
67.5	630.345	564.738	466.970	352.479	217.405	154.370	77.185	77.185
70.0	407.795	227.696	54.030	11.578	6.432	5.146	5.146	5.146
72.5	32.160	7.719	3.859	3.859	2.573	2.573	2.573	2.573
75.0	3.859	2.573	1.286	1.286	1.286	1.286	1.286	1.286
77.5	1.286	1.286	1.286	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

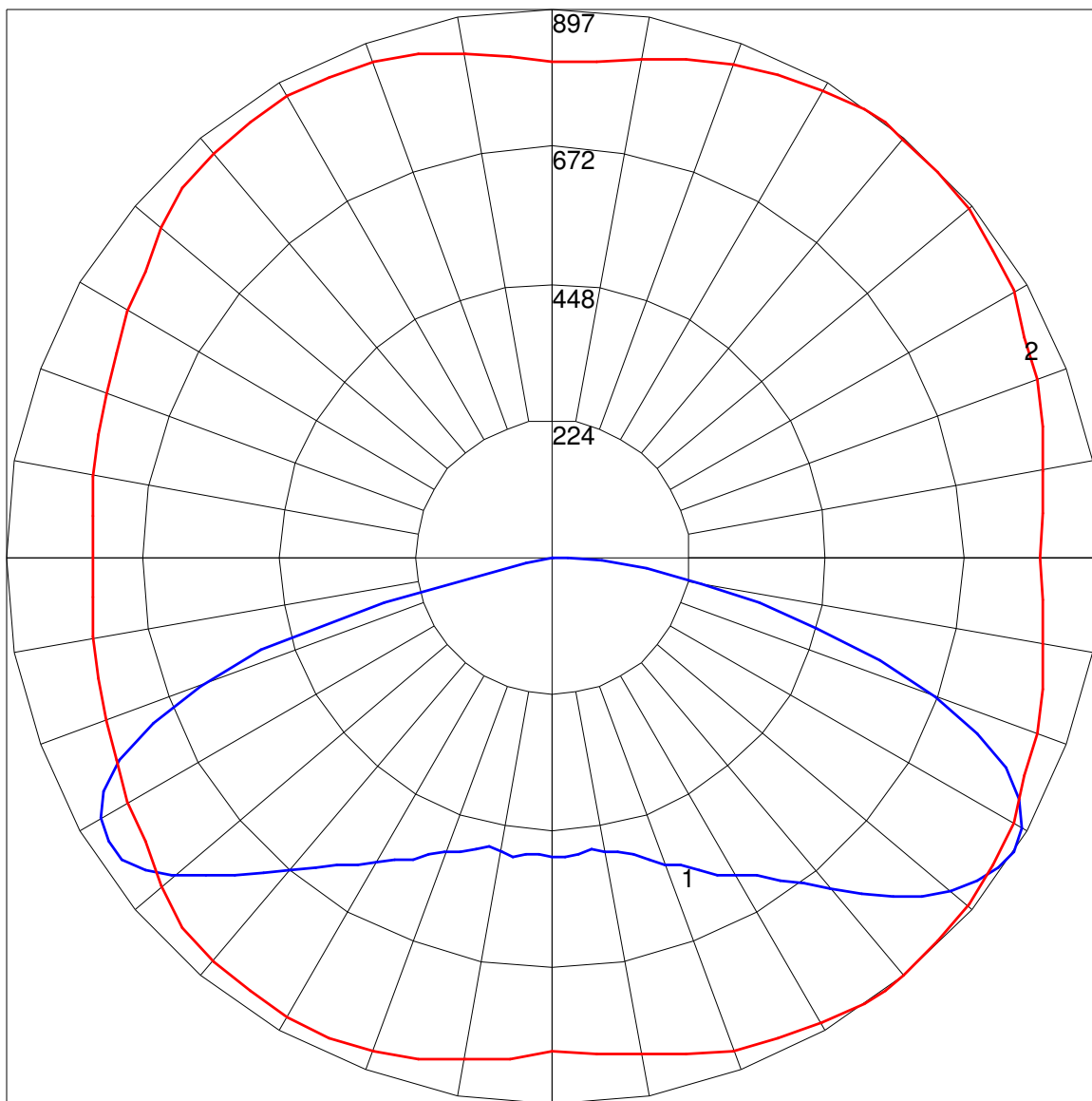
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

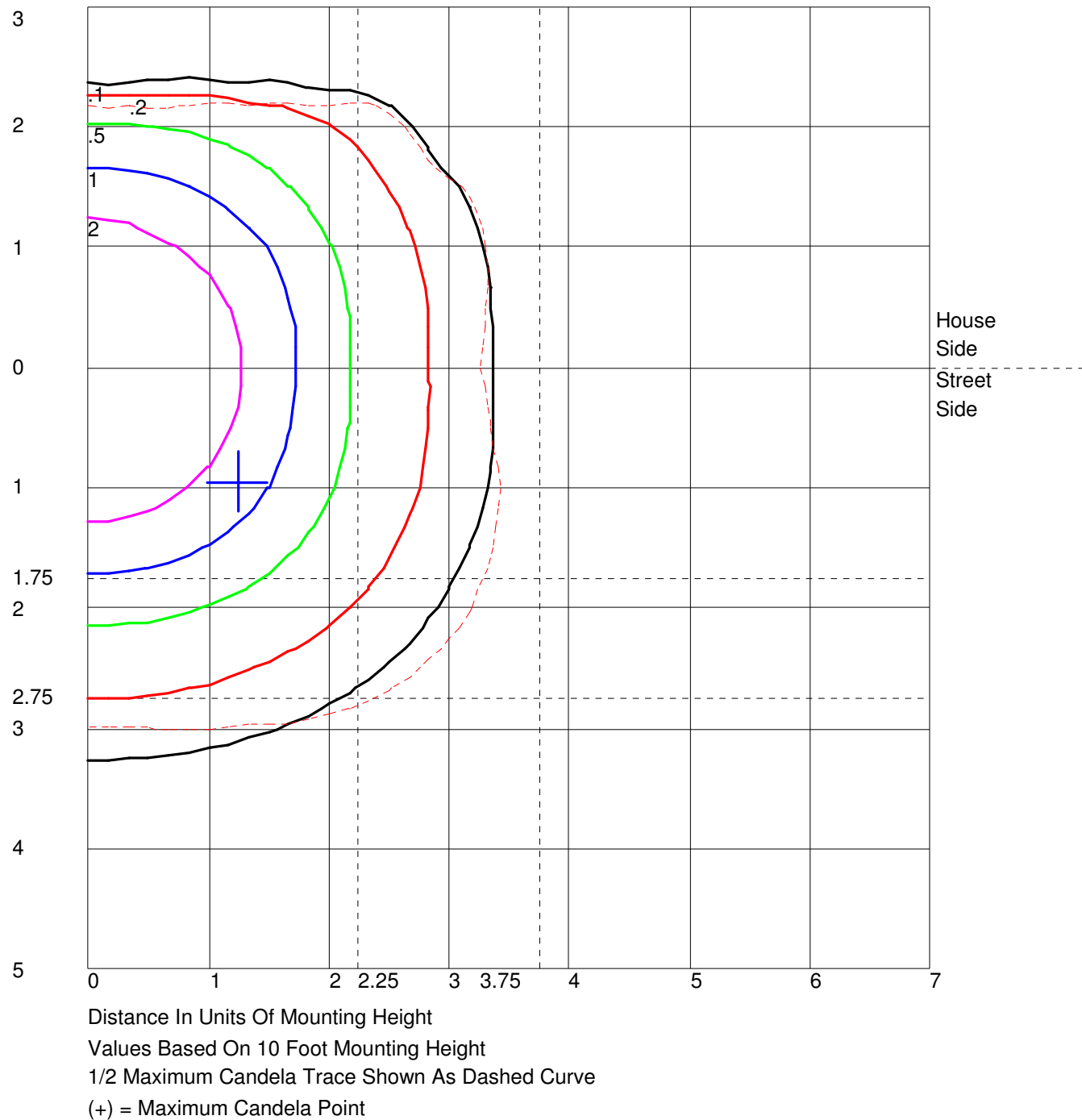
	Lumens	Percent Of Luminaire
Downward Street Side	1751.6	53.8
Downward House Side	1506.7	46.2
Downward Total	3258.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3258.3	100.0

POLAR GRAPH

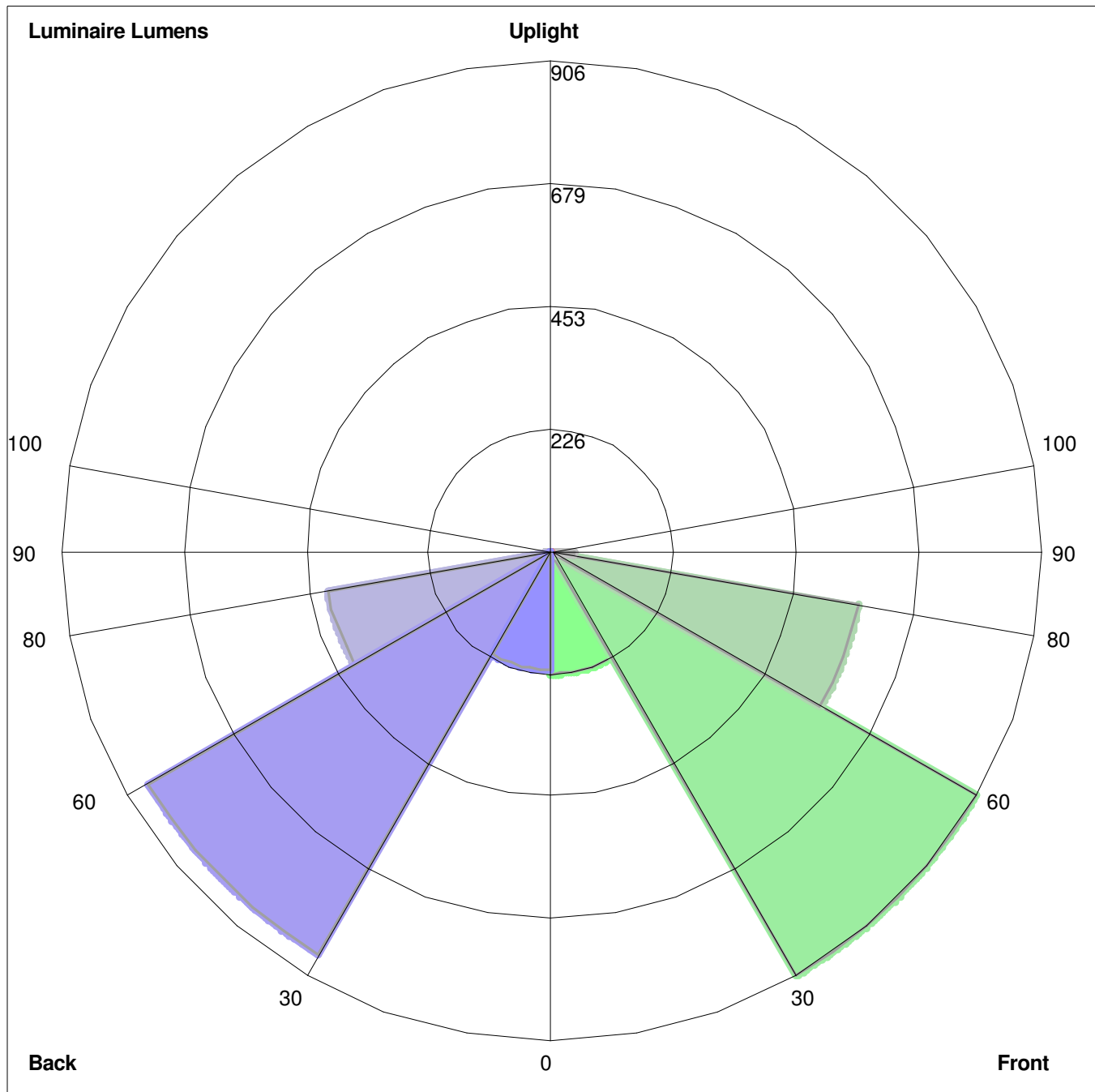


Maximum Candela = 896.634 Located At Horizontal Angle = 52.5, Vertical Angle = 57.5
1 - Vertical Plane Through Horizontal Angles (52.5 - 232.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=226.8, Medium=905.6, High=575.2, Very High=44.0
Back: Low=219.7, Medium=858.2, High=419.7, Very High=9.1
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1