



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-840-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-L30-840-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	3026
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1056.523
Maximum Candela Angle	45H 65V
Maximum Candela (<90 Degrees Vertical)	1056.523
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	188.072 (6.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L30-840-TFT-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	178.1	N.A.	5.9
FM - Front-Medium (30-60)	770.7	N.A.	25.5
FH - Front-High (60-80)	694.3	N.A.	22.9
FVH - Front-Very High (80-90)	15.7	N.A.	0.5
BL - Back-Low (0-30)	172.6	N.A.	5.7
BM - Back-Medium (30-60)	712.7	N.A.	23.6
BH - Back-High (60-80)	479.1	N.A.	15.8
BVH - Back-Very High (80-90)	2.3	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	3025.5	N.A.	100.0
BUG Rating	B1-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0.0	382.782	382.782	382.782	382.782	382.782	382.782	382.782	382.782	382.782	382.782
2.5	387.208	386.101	385.548	384.442	383.335	382.782	382.782	383.335	382.229	381.676
5.0	386.654	384.995	383.889	383.335	382.782	382.782	382.229	382.782	381.676	381.676
7.5	386.654	384.995	383.335	383.335	382.782	382.782	382.229	381.676	380.570	380.017
10.0	388.314	386.101	384.442	384.995	383.889	383.889	383.335	382.782	381.123	380.017
12.5	393.292	390.526	389.420	389.973	388.867	388.314	387.761	386.101	383.889	382.229
15.0	400.483	396.611	396.058	398.271	398.271	397.164	396.611	394.952	392.186	389.420
17.5	409.887	405.462	402.696	405.462	406.015	406.568	407.674	406.568	403.249	400.483
20.0	425.375	421.503	417.078	417.631	416.525	418.184	419.290	419.844	417.078	414.312
22.5	445.289	441.417	435.885	434.779	432.013	433.119	433.672	434.226	432.566	430.353
25.0	466.862	464.096	456.905	454.692	450.820	451.373	450.267	451.373	449.161	448.054
27.5	488.988	484.563	477.372	475.159	470.181	470.734	467.415	467.415	466.862	468.521
30.0	515.539	512.220	502.817	498.391	492.860	490.647	485.116	485.669	484.563	485.116
32.5	545.409	539.878	532.687	526.602	519.411	513.327	506.136	505.029	501.710	500.051
35.0	577.492	573.067	565.323	558.685	548.728	540.984	531.581	526.602	521.624	516.092
37.5	607.363	604.044	596.300	590.768	579.705	570.301	559.238	548.175	541.537	535.453
40.0	636.127	633.914	625.617	620.638	610.128	599.618	587.449	575.280	566.429	558.132
42.5	665.997	663.231	655.487	649.402	639.446	627.829	616.213	605.150	595.193	588.002
45.0	693.101	690.889	685.357	679.273	669.316	657.146	646.083	635.020	627.829	622.851
47.5	718.546	716.334	713.568	709.696	700.292	686.464	676.507	665.444	661.019	660.465
50.0	732.928	733.482	734.588	736.801	732.375	718.546	711.355	702.505	698.633	700.292
52.5	736.247	739.566	748.417	758.374	761.692	752.289	750.076	745.098	741.226	743.438
55.0	742.332	746.204	761.692	779.947	791.563	789.350	791.010	793.775	791.010	791.563
57.5	771.096	778.287	792.116	815.902	832.496	837.475	842.453	852.963	854.069	850.750
60.0	804.838	813.689	829.730	859.048	881.174	895.002	904.959	928.192	939.808	935.936
62.5	809.264	819.220	839.134	868.451	887.258	910.491	935.383	988.485	1017.803	1020.015
65.0	781.053	792.669	815.348	845.219	870.111	898.321	932.617	1008.952	1049.885	1056.523
67.5	764.458	778.287	814.242	841.347	852.410	859.601	889.471	978.529	1028.866	1029.972
70.0	738.460	755.608	801.520	835.262	851.303	841.347	848.538	883.939	923.213	922.107
72.5	623.957	638.339	716.887	770.543	796.541	776.628	801.520	766.118	716.334	686.464
75.0	266.620	276.024	335.211	404.908	466.862	520.518	591.321	625.064	544.856	518.305
77.5	96.249	98.461	110.631	124.460	157.096	224.027	323.595	381.676	376.698	391.080
80.0	39.274	40.380	45.912	53.656	68.038	88.505	129.438	167.606	177.562	188.072
82.5	16.041	16.595	19.360	21.573	28.764	38.168	54.762	69.144	73.016	81.314
85.0	6.085	6.085	6.638	7.744	9.957	13.276	19.914	25.445	25.998	30.423
87.5	1.659	1.659	1.659	1.659	1.659	1.659	2.213	2.213	3.319	4.425
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</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0.0	382.782	382.782	382.782	382.782	382.782	382.782	382.782	382.782	382.782	382.782
2.5	381.123	380.570	381.676	382.229	381.123	380.017	380.017	380.017	380.017	380.017
5.0	380.017	379.463	380.570	380.570	379.463	377.804	376.698	376.698	376.144	376.698
7.5	379.463	377.804	378.910	378.357	377.251	375.038	373.379	373.379	372.826	372.826
10.0	379.463	376.698	377.804	378.357	378.357	376.144	373.932	373.379	372.826	372.272
12.5	381.676	380.017	381.123	381.123	381.676	379.463	377.251	376.144	375.038	374.485
15.0	389.420	388.314	388.867	388.314	387.761	386.101	382.782	380.017	378.910	378.357
17.5	399.377	398.824	398.271	397.164	394.952	391.633	389.420	387.208	386.654	386.101
20.0	412.653	412.099	411.546	408.227	405.462	401.589	399.930	399.377	399.377	398.824
22.5	428.694	425.375	424.269	421.503	418.737	416.525	415.971	415.418	415.418	414.865
25.0	446.948	441.417	440.310	438.098	435.885	436.438	436.438	435.885	435.885	433.672
27.5	465.202	458.564	455.799	454.139	453.586	455.799	455.799	456.352	457.458	454.139

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CANDELA TABULATION - (Cont.)

30.0	485.116	477.372	471.840	472.393	472.946	476.818	476.818	477.925	480.690	477.372
32.5	502.263	498.391	490.094	491.200	492.860	497.838	500.604	503.370	506.689	502.263
35.0	518.305	518.858	511.667	513.327	517.199	523.283	527.155	532.134	536.559	531.581
37.5	535.453	539.325	537.665	540.431	545.963	553.707	558.685	564.217	565.323	563.663
40.0	557.579	564.217	566.429	571.961	576.939	584.130	591.874	597.406	597.406	596.300
42.5	584.683	591.874	595.193	602.937	609.022	614.554	621.745	626.170	624.510	625.064
45.0	617.319	622.298	626.723	633.914	639.999	644.977	648.849	648.849	646.637	647.743
47.5	654.934	655.487	656.593	664.891	670.422	678.166	679.826	676.507	673.188	675.954
50.0	696.974	694.208	691.442	696.974	702.505	710.802	709.143	701.952	697.527	701.399
52.5	742.332	737.354	731.269	735.141	737.354	739.566	729.056	716.334	712.462	717.993
55.0	791.563	789.350	778.287	774.968	770.543	763.352	739.013	716.334	709.696	716.334
57.5	854.622	851.303	832.496	823.646	808.711	792.669	756.714	731.269	725.737	727.950
60.0	938.702	933.723	902.747	882.280	859.601	832.496	789.903	765.011	760.033	760.586
62.5	1015.037	997.336	943.127	901.640	872.876	835.815	791.563	766.118	760.033	761.139
65.0	1046.567	1015.590	945.893	893.343	864.579	828.624	791.563	767.777	763.352	761.139
67.5	1029.972	992.911	913.257	875.642	869.004	843.006	807.604	768.330	759.480	758.927
70.0	943.680	911.044	872.876	873.983	891.130	872.876	822.539	758.927	743.438	746.204
72.5	714.674	786.584	843.559	828.071	845.772	815.348	739.013	649.402	630.042	645.530
75.0	556.472	652.721	641.105	580.258	490.647	433.672	340.743	276.024	277.683	275.470
77.5	384.995	390.526	344.615	257.770	164.287	144.926	121.694	105.099	107.312	105.099
80.0	183.094	174.243	137.735	103.440	75.782	68.038	55.869	48.678	48.124	45.912
82.5	76.335	75.229	61.953	47.571	36.508	29.870	24.892	21.573	22.126	22.126
85.0	29.317	30.423	25.445	19.914	14.935	12.723	10.510	9.957	9.404	9.404
87.5	5.532	7.191	5.532	4.978	4.425	3.872	3.319	2.766	2.766	2.766
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	382.782	382.782	382.782	382.782	382.782	382.782	382.782	382.782	382.782	382.782
2.5	380.017	379.463	379.463	378.910	379.463	381.123	380.017	380.017	381.123	382.782
5.0	376.144	375.591	376.144	377.251	377.251	378.910	378.357	378.357	379.463	380.570
7.5	372.272	372.272	373.932	375.038	375.591	376.698	376.698	376.144	377.251	378.910
10.0	372.272	372.826	374.485	375.591	375.038	375.591	375.591	375.591	376.698	377.804
12.5	375.038	376.144	378.357	378.910	378.357	376.698	376.698	376.698	378.357	380.017
15.0	379.463	381.676	383.335	384.995	384.442	383.889	383.335	383.335	383.889	386.101
17.5	386.101	386.654	389.420	392.186	392.186	393.292	392.739	392.186	392.186	393.845
20.0	397.717	397.164	398.271	402.143	402.696	403.802	403.802	404.355	403.249	403.249
22.5	413.206	412.653	412.653	415.418	416.525	416.525	416.525	417.078	415.971	414.865
25.0	434.226	433.119	430.353	432.013	432.013	431.460	433.119	432.566	431.460	429.247
27.5	455.799	453.033	449.714	449.714	447.501	446.948	451.926	450.267	447.501	443.076
30.0	477.372	473.499	469.074	466.308	464.096	464.649	467.968	464.649	460.777	455.799
32.5	500.604	494.519	490.094	485.669	481.797	483.456	481.797	477.372	472.946	469.627
35.0	528.815	521.624	514.433	508.901	501.710	498.945	495.626	487.881	484.563	481.797
37.5	561.451	553.707	546.516	535.453	523.836	518.305	510.561	503.370	498.391	496.179
40.0	593.534	585.790	578.599	565.876	549.281	538.218	528.815	522.177	516.645	515.539
42.5	622.298	614.000	608.469	593.534	578.045	562.557	550.941	544.303	539.325	539.325
45.0	649.402	644.424	636.127	620.638	605.150	589.109	576.386	570.854	566.982	564.770
47.5	679.273	677.060	665.997	649.402	633.361	615.660	606.809	599.065	595.193	590.768
50.0	707.483	708.590	697.527	680.932	664.337	646.083	641.105	632.255	625.064	619.532
52.5	730.163	735.694	730.163	711.909	700.292	684.804	677.613	665.444	659.912	653.274
55.0	735.141	752.289	757.820	748.417	741.226	727.950	718.546	704.718	700.292	695.314
57.5	746.204	766.118	786.031	788.244	784.372	777.734	768.883	751.736	746.757	743.992
60.0	774.968	793.775	823.646	838.028	838.028	844.666	840.793	822.539	815.348	809.817
62.5	773.862	795.435	827.518	856.282	881.174	911.044	918.235	903.300	898.321	884.493
65.0	767.224	783.265	817.561	852.963	879.514	937.042	968.019	967.466	946.446	921.001

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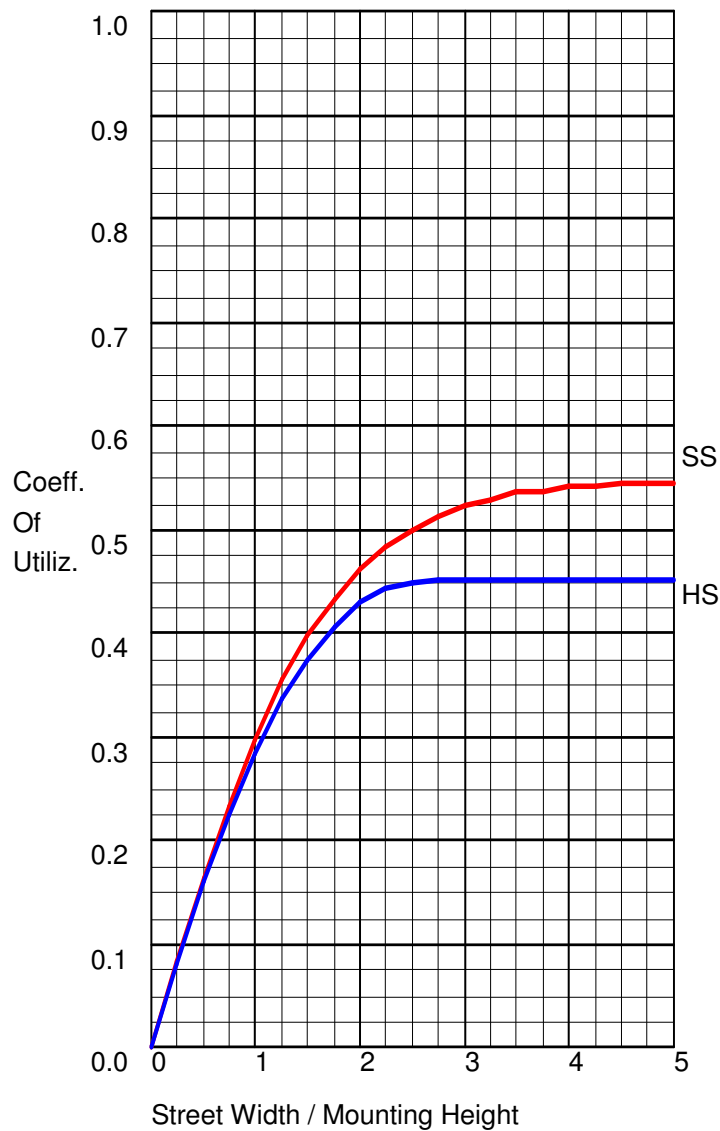
CANDELA TABULATION - (Cont.)

67.5	774.968	798.754	816.455	828.071	850.750	933.170	975.210	913.810	849.091	816.455
70.0	774.415	816.455	832.496	825.858	820.880	866.792	762.799	699.739	758.927	459.117
72.5	710.249	786.584	828.071	804.838	819.220	597.959	528.262	371.166	69.144	12.723
75.0	343.508	432.566	527.155	550.941	502.263	416.525	95.696	9.404	2.213	1.659
77.5	122.800	141.607	172.031	205.773	238.962	6.638	2.213	1.659	1.106	1.106
80.0	54.762	61.953	58.634	47.571	18.254	1.106	1.106	0.553	0.553	0.553
82.5	23.786	23.786	15.488	6.638	1.106	0.553	0.553	0.553	0.553	0.553
85.0	9.957	5.532	2.766	0.553	0.553	0.553	0.553	0.000	0.000	0.000
87.5	2.213	0.553	0.553	0.553	0.553	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	382.782	382.782	382.782	382.782	382.782	382.782	382.782
2.5	382.229	382.782	383.889	383.889	384.995	383.889	382.229
5.0	380.017	380.017	381.123	381.123	381.676	381.123	378.910
7.5	377.804	377.804	378.357	377.804	378.357	377.804	375.591
10.0	377.251	377.251	377.251	377.804	378.910	377.804	376.698
12.5	380.017	381.123	380.017	381.123	382.229	381.123	380.017
15.0	386.654	386.654	385.548	386.101	385.548	383.889	383.335
17.5	393.292	392.739	389.973	389.420	388.867	388.867	388.314
20.0	402.143	401.036	397.164	397.164	397.717	398.271	398.824
22.5	413.206	411.546	407.121	407.674	409.334	410.993	413.206
25.0	426.481	422.609	419.844	420.397	422.609	425.375	427.035
27.5	437.544	434.226	432.013	433.119	435.332	438.651	440.863
30.0	449.714	447.501	447.501	448.608	451.373	455.799	458.564
32.5	464.649	462.436	462.436	464.649	468.521	474.053	477.372
35.0	480.137	476.818	480.137	483.456	488.988	495.072	499.498
37.5	495.626	497.285	502.817	507.795	513.327	521.071	527.155
40.0	516.092	521.071	526.049	532.687	540.431	549.281	555.366
42.5	540.431	545.963	552.047	558.132	565.876	575.833	582.471
45.0	565.876	570.854	576.939	583.024	590.768	601.278	606.809
47.5	591.321	594.087	601.831	607.363	615.107	625.617	629.489
50.0	619.532	621.191	628.382	633.914	641.105	650.509	652.721
52.5	652.721	652.721	657.146	661.572	663.784	669.869	670.422
55.0	691.442	688.123	688.676	689.229	684.804	683.698	681.485
57.5	737.354	732.375	727.950	719.100	701.952	691.995	687.570
60.0	802.073	791.010	775.521	752.289	723.525	714.674	711.355
62.5	856.835	824.199	794.329	763.352	735.141	726.291	721.312
65.0	866.792	824.752	787.691	745.098	682.038	598.512	597.959
67.5	808.711	633.361	417.078	230.112	115.609	66.932	49.784
70.0	157.649	79.101	9.404	3.319	2.213	2.213	2.213
72.5	3.319	2.213	1.659	1.659	1.659	1.659	1.106
75.0	1.659	1.106	1.106	1.106	0.553	0.553	0.553
77.5	0.553	0.553	0.553	0.553	0.553	0.000	0.000
80.0	0.553	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

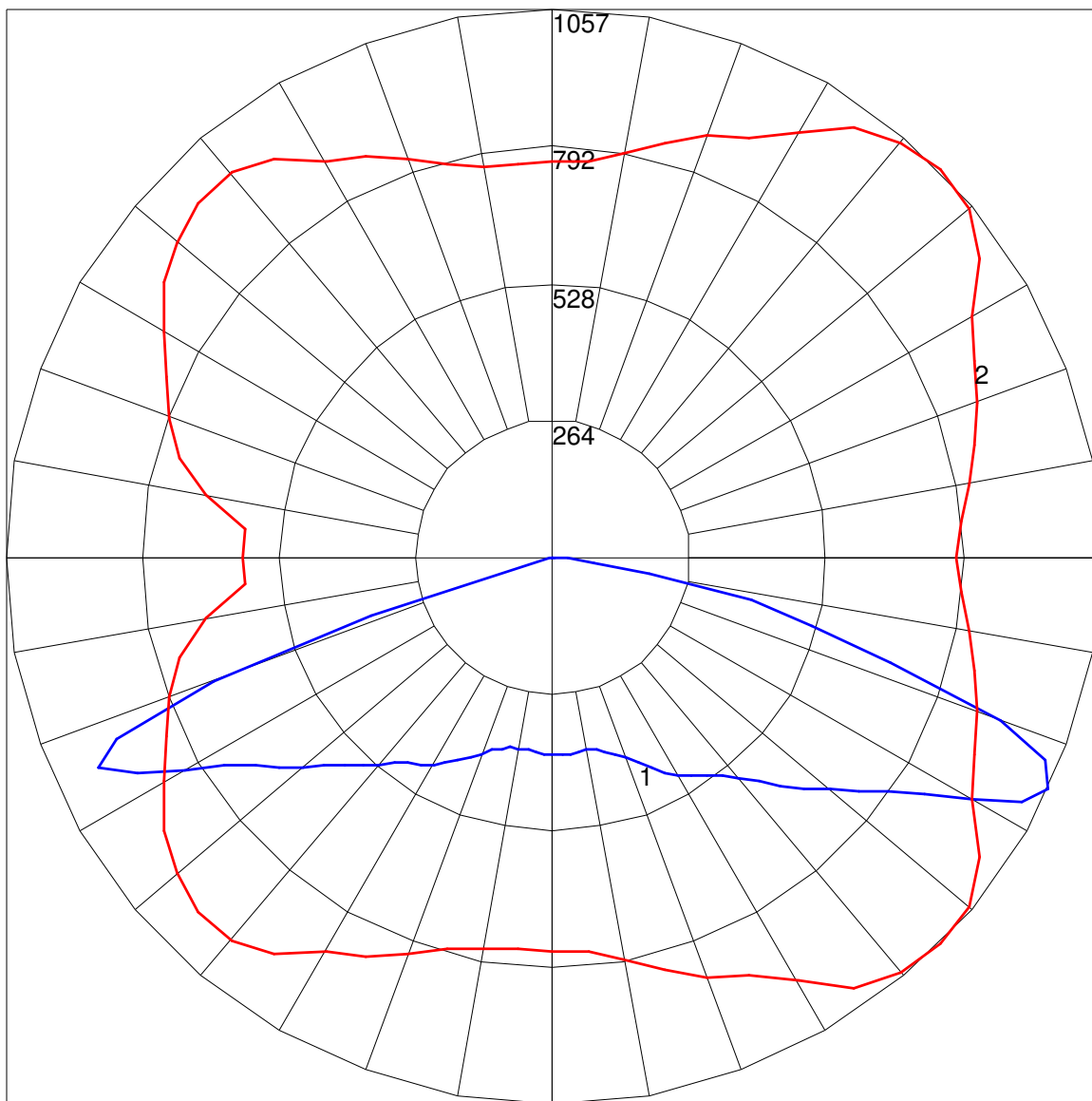
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

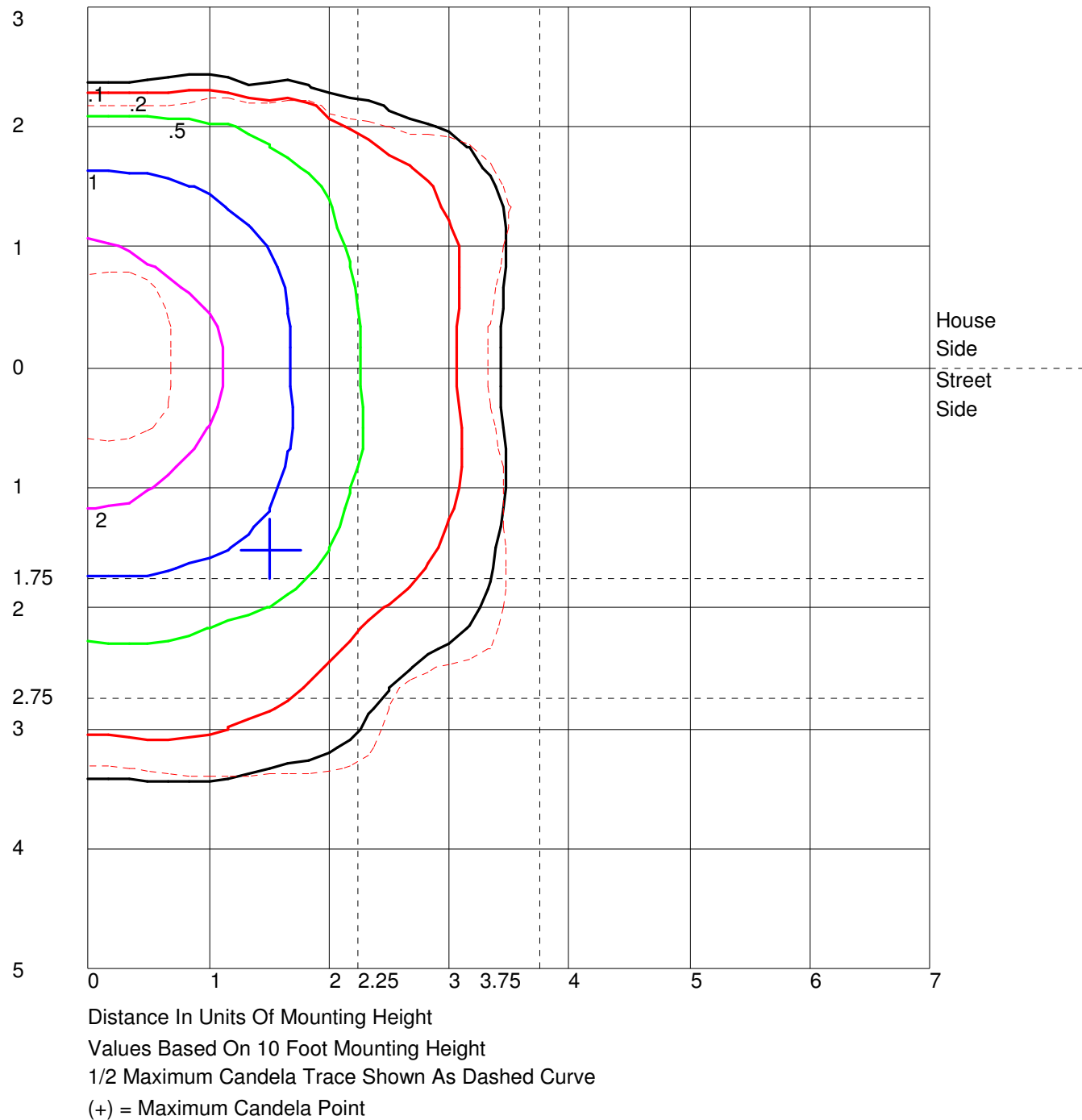
	Lumens	Percent Of Luminaire
Downward Street Side	1658.9	54.8
Downward House Side	1366.8	45.2
Downward Total	3025.7	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3025.7	100.0

POLAR GRAPH

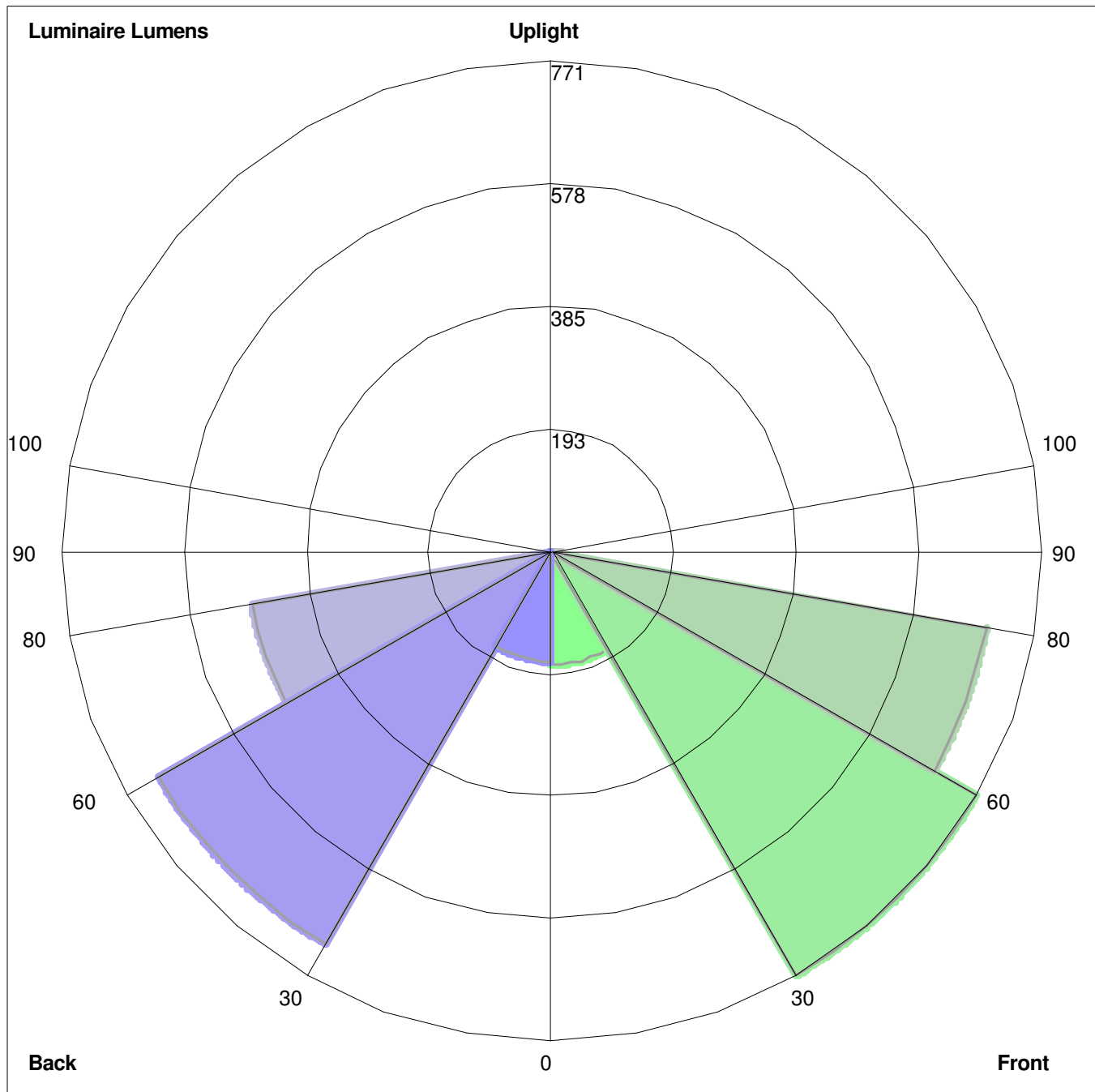


Maximum Candela = 1056.523 Located At Horizontal Angle = 45, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=178.1, Medium=770.7, High=694.3, Very High=15.7
Back: Low=172.6, Medium=712.7, High=479.1, Very High=2.3
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1