



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-730-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-L30-730-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	3159
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1102.964
Maximum Candela Angle	45H 65V
Maximum Candela (<90 Degrees Vertical)	1102.964
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	196.339 (6.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L30-730-TFT-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	185.9	N.A.	5.9
FM - Front-Medium (30-60)	804.6	N.A.	25.5
FH - Front-High (60-80)	724.8	N.A.	22.9
FVH - Front-Very High (80-90)	16.4	N.A.	0.5
BL - Back-Low (0-30)	180.2	N.A.	5.7
BM - Back-Medium (30-60)	744.0	N.A.	23.6
BH - Back-High (60-80)	500.1	N.A.	15.8
BVH - Back-Very High (80-90)	2.4	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	3158.4	N.A.	100.0
BUG Rating	B2-U0-G2		

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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	399.608	399.608	399.608	399.608	399.608	399.608	399.608	399.608	399.608	399.608
2.5	404.228	403.073	402.495	401.340	400.185	399.608	399.608	400.185	399.030	398.453
5.0	403.650	401.918	400.763	400.185	399.608	399.608	399.030	399.608	398.453	398.453
7.5	403.650	401.918	400.185	400.185	399.608	399.608	399.030	398.453	397.298	396.721
10.0	405.383	403.073	401.340	401.918	400.763	400.763	400.185	399.608	397.875	396.721
12.5	410.580	407.692	406.537	407.115	405.960	405.383	404.805	403.073	400.763	399.030
15.0	418.087	414.045	413.467	415.777	415.777	414.622	414.045	412.312	409.425	406.537
17.5	427.904	423.284	420.397	423.284	423.861	424.439	425.594	424.439	420.974	418.087
20.0	444.073	440.031	435.411	435.988	434.833	436.566	437.721	438.298	435.411	432.524
22.5	464.862	460.819	455.045	453.890	451.002	452.157	452.735	453.312	451.580	449.270
25.0	487.383	484.496	476.989	474.679	470.636	471.214	470.059	471.214	468.904	467.749
27.5	510.482	505.862	498.355	496.045	490.848	491.425	487.960	487.960	487.383	489.115
30.0	538.200	534.735	524.918	520.299	514.524	512.214	506.439	507.017	505.862	506.439
32.5	569.383	563.609	556.102	549.750	542.242	535.890	528.383	527.228	523.763	522.031
35.0	602.877	598.257	590.172	583.243	572.848	564.764	554.947	549.750	544.552	538.778
37.5	634.060	630.595	622.510	616.736	605.186	595.369	583.820	572.271	565.341	558.989
40.0	664.088	661.778	653.116	647.919	636.947	625.975	613.271	600.567	591.327	582.665
42.5	695.271	692.384	684.300	677.947	667.553	655.426	643.299	631.750	621.356	613.848
45.0	723.567	721.258	715.483	709.131	698.736	686.032	674.483	662.933	655.426	650.229
47.5	750.131	747.821	744.934	740.891	731.074	716.638	706.243	694.694	690.074	689.497
50.0	765.145	765.723	766.877	769.187	764.568	750.131	742.624	733.384	729.342	731.074
52.5	768.610	772.075	781.314	791.709	795.173	785.356	783.047	777.849	773.807	776.117
55.0	774.962	779.004	795.173	814.230	826.357	824.047	825.779	828.667	825.779	826.357
57.5	804.990	812.497	826.934	851.765	869.089	874.287	879.484	890.456	891.611	888.146
60.0	840.216	849.455	866.202	896.808	919.906	934.343	944.738	968.991	981.118	977.076
62.5	844.836	855.230	876.019	906.625	926.259	950.512	976.498	1031.935	1062.541	1064.851
65.0	815.385	827.512	851.188	882.371	908.357	937.808	973.611	1053.302	1096.034	1102.964
67.5	798.061	812.497	850.033	878.329	889.878	897.385	928.569	1021.541	1074.090	1075.245
70.0	770.920	788.821	836.751	871.977	888.723	878.329	885.836	922.794	963.794	962.639
72.5	651.384	666.398	748.398	804.413	831.554	810.765	836.751	799.793	747.821	716.638
75.0	278.340	288.157	349.946	422.707	487.383	543.397	617.313	652.539	568.806	541.087
77.5	100.479	102.789	115.494	129.930	164.001	233.875	337.819	398.453	393.256	408.270
80.0	41.000	42.155	47.930	56.014	71.029	92.395	135.128	174.973	185.367	196.339
82.5	16.747	17.324	20.211	22.521	30.028	39.845	57.169	72.183	76.226	84.888
85.0	6.352	6.352	6.930	8.085	10.394	13.859	20.789	26.564	27.141	31.761
87.5	1.732	1.732	1.732	1.732	1.732	1.732	2.310	2.310	3.465	4.620
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	399.608	399.608	399.608	399.608	399.608	399.608	399.608	399.608	399.608	399.608
2.5	397.875	397.298	398.453	399.030	397.875	396.721	396.721	396.721	396.721	396.721
5.0	396.721	396.143	397.298	397.298	396.143	394.411	393.256	393.256	392.678	393.256
7.5	396.143	394.411	395.566	394.988	393.833	391.523	389.791	389.791	389.213	389.213
10.0	396.143	393.256	394.411	394.988	394.988	392.678	390.368	389.791	389.213	388.636
12.5	398.453	396.721	397.875	397.875	398.453	396.143	393.833	392.678	391.523	390.946
15.0	406.537	405.383	405.960	405.383	404.805	403.073	399.608	396.721	395.566	394.988
17.5	416.932	416.354	415.777	414.622	412.312	408.847	406.537	404.228	403.650	403.073
20.0	430.791	430.214	429.636	426.171	423.284	419.242	417.509	416.932	416.932	416.354
22.5	447.538	444.073	442.918	440.031	437.143	434.833	434.256	433.678	433.678	433.101
25.0	466.594	460.819	459.665	457.355	455.045	455.622	455.622	455.045	455.045	452.735
27.5	485.651	478.721	475.834	474.101	473.524	475.834	475.834	476.411	477.566	474.101

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CANDELA TABULATION - (Cont.)

30.0	506.439	498.355	492.580	493.158	493.735	497.777	497.777	498.932	501.820	498.355
32.5	524.341	520.299	511.637	512.792	514.524	519.721	522.609	525.496	528.961	524.341
35.0	541.087	541.665	534.158	535.890	539.933	546.285	550.327	555.524	560.144	554.947
37.5	558.989	563.031	561.299	564.186	569.961	578.045	583.243	589.017	590.172	588.440
40.0	582.088	589.017	591.327	597.102	602.299	609.806	617.891	623.665	623.665	622.510
42.5	610.384	617.891	621.356	629.440	635.792	641.567	649.074	653.694	651.961	652.539
45.0	644.454	649.651	654.271	661.778	668.130	673.328	677.370	677.370	675.060	676.215
47.5	683.722	684.300	685.454	694.117	699.891	707.976	709.708	706.243	702.779	705.666
50.0	727.610	724.722	721.835	727.610	733.384	742.046	740.314	732.807	728.187	732.229
52.5	774.962	769.765	763.413	767.455	769.765	772.075	761.103	747.821	743.779	749.553
55.0	826.357	824.047	812.497	809.033	804.413	796.906	771.497	747.821	740.891	747.821
57.5	892.188	888.723	869.089	859.850	844.258	827.512	789.976	763.413	757.638	759.948
60.0	979.963	974.766	942.428	921.061	897.385	869.089	824.624	798.638	793.441	794.018
62.5	1059.654	1041.175	984.583	941.273	911.244	872.554	826.357	799.793	793.441	794.596
65.0	1092.569	1060.231	987.470	932.611	902.582	865.047	826.357	801.526	796.906	794.596
67.5	1075.245	1036.555	953.400	914.132	907.202	880.061	843.103	802.103	792.864	792.286
70.0	985.160	951.090	911.244	912.399	930.301	911.244	858.695	792.286	776.117	779.004
72.5	746.089	821.159	880.639	864.470	882.949	851.188	771.497	677.947	657.736	673.905
75.0	580.933	681.412	669.285	605.764	512.214	452.735	355.720	288.157	289.889	287.579
77.5	401.918	407.692	359.763	269.100	171.508	151.297	127.043	109.719	112.029	109.719
80.0	191.142	181.902	143.790	107.987	79.113	71.029	58.324	50.817	50.240	47.930
82.5	79.691	78.536	64.676	49.662	38.113	31.183	25.986	22.521	23.099	23.099
85.0	30.606	31.761	26.564	20.789	15.592	13.282	10.972	10.394	9.817	9.817
87.5	5.775	7.507	5.775	5.197	4.620	4.042	3.465	2.887	2.887	2.887
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	399.608	399.608	399.608	399.608	399.608	399.608	399.608	399.608	399.608	399.608
2.5	396.721	396.143	396.143	395.566	396.143	397.875	396.721	396.721	397.875	399.608
5.0	392.678	392.101	392.678	393.833	393.833	395.566	394.988	394.988	396.143	397.298
7.5	388.636	388.636	390.368	391.523	392.101	393.256	393.256	392.678	393.833	395.566
10.0	388.636	389.213	390.946	392.101	391.523	392.101	392.101	392.101	393.256	394.411
12.5	391.523	392.678	394.988	395.566	394.988	393.256	393.256	393.256	394.988	396.721
15.0	396.143	398.453	400.185	401.918	401.340	400.763	400.185	400.185	400.763	403.073
17.5	403.073	403.650	406.537	409.425	409.425	410.580	410.002	409.425	409.425	411.157
20.0	415.199	414.622	415.777	419.819	420.397	421.552	421.552	422.129	420.974	420.974
22.5	431.369	430.791	430.791	433.678	434.833	434.833	434.833	435.411	434.256	433.101
25.0	453.312	452.157	449.270	451.002	451.002	450.425	452.157	451.580	450.425	448.115
27.5	475.834	472.946	469.481	469.481	467.172	466.594	471.791	470.059	467.172	462.552
30.0	498.355	494.313	489.693	486.806	484.496	485.073	488.538	485.073	481.031	475.834
32.5	522.609	516.256	511.637	507.017	502.975	504.707	502.975	498.355	493.735	490.270
35.0	552.059	544.552	537.045	531.271	523.763	520.876	517.411	509.327	505.862	502.975
37.5	586.130	578.045	570.538	558.989	546.862	541.087	533.003	525.496	520.299	517.989
40.0	619.623	611.539	604.032	590.750	573.426	561.876	552.059	545.130	539.355	538.200
42.5	649.651	640.989	635.215	619.623	603.454	587.285	575.158	568.228	563.031	563.031
45.0	677.947	672.750	664.088	647.919	631.750	615.003	601.722	595.947	591.905	589.595
47.5	709.131	706.821	695.271	677.947	661.201	642.722	633.482	625.398	621.356	616.736
50.0	738.582	739.736	728.187	710.863	693.539	674.483	669.285	660.046	652.539	646.764
52.5	762.258	768.032	762.258	743.201	731.074	714.905	707.398	694.694	688.919	681.990
55.0	767.455	785.356	791.131	781.314	773.807	759.948	750.131	735.694	731.074	725.877
57.5	779.004	799.793	820.582	822.892	818.850	811.920	802.680	784.779	779.582	776.694
60.0	809.033	828.667	859.850	874.864	874.864	881.794	877.751	858.695	851.188	845.413
62.5	807.878	830.399	863.892	893.920	919.906	951.090	958.597	943.005	937.808	923.371
65.0	800.948	817.695	853.498	890.456	918.174	978.231	1010.569	1009.991	988.048	961.484

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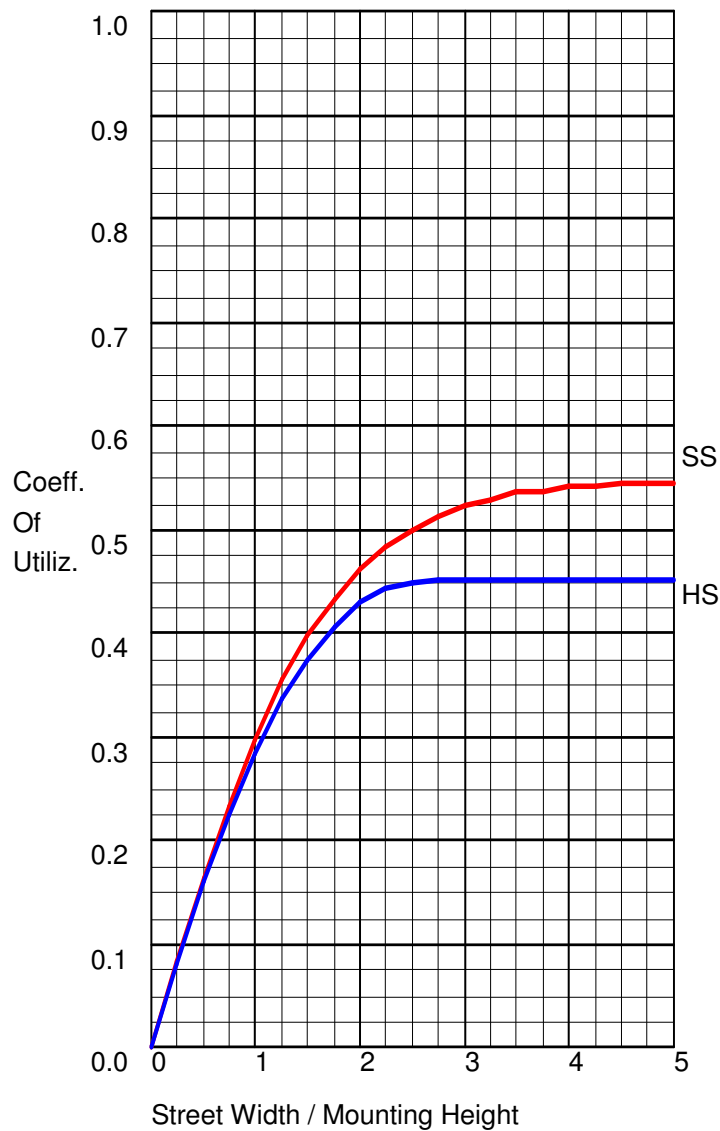
CANDELA TABULATION - (Cont.)

67.5	809.033	833.864	852.343	864.470	888.146	974.188	1018.076	953.977	886.413	852.343
70.0	808.455	852.343	869.089	862.160	856.962	904.892	796.328	730.497	792.286	479.298
72.5	741.469	821.159	864.470	840.216	855.230	624.243	551.482	387.481	72.183	13.282
75.0	358.608	451.580	550.327	575.158	524.341	434.833	99.902	9.817	2.310	1.732
77.5	128.198	147.832	179.593	214.818	249.466	6.930	2.310	1.732	1.155	1.155
80.0	57.169	64.676	61.212	49.662	19.056	1.155	1.155	0.577	0.577	0.577
82.5	24.831	24.831	16.169	6.930	1.155	0.577	0.577	0.577	0.577	0.577
85.0	10.394	5.775	2.887	0.577	0.577	0.577	0.577	0.000	0.000	0.000
87.5	2.310	0.577	0.577	0.577	0.577	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	399.608	399.608	399.608	399.608	399.608	399.608	399.608
2.5	399.030	399.608	400.763	400.763	401.918	400.763	399.030
5.0	396.721	396.721	397.875	397.875	398.453	397.875	395.566
7.5	394.411	394.411	394.988	394.411	394.988	394.411	392.101
10.0	393.833	393.833	393.833	394.411	395.566	394.411	393.256
12.5	396.721	397.875	396.721	397.875	399.030	397.875	396.721
15.0	403.650	403.650	402.495	403.073	402.495	400.763	400.185
17.5	410.580	410.002	407.115	406.537	405.960	405.960	405.383
20.0	419.819	418.664	414.622	414.622	415.199	415.777	416.354
22.5	431.369	429.636	425.016	425.594	427.326	429.059	431.369
25.0	445.228	441.186	438.298	438.876	441.186	444.073	445.805
27.5	456.777	453.312	451.002	452.157	454.467	457.932	460.242
30.0	469.481	467.172	467.172	468.327	471.214	475.834	478.721
32.5	485.073	482.763	482.763	485.073	489.115	494.890	498.355
35.0	501.242	497.777	501.242	504.707	510.482	516.834	521.454
37.5	517.411	519.144	524.918	530.116	535.890	543.975	550.327
40.0	538.778	543.975	549.172	556.102	564.186	573.426	579.778
42.5	564.186	569.961	576.313	582.665	590.750	601.144	608.074
45.0	590.750	595.947	602.299	608.651	616.736	627.708	633.482
47.5	617.313	620.201	628.285	634.060	642.144	653.116	657.159
50.0	646.764	648.497	656.004	661.778	669.285	679.102	681.412
52.5	681.412	681.412	686.032	690.652	692.962	699.314	699.891
55.0	721.835	718.370	718.948	719.525	714.905	713.750	711.441
57.5	769.765	764.568	759.948	750.708	732.807	722.412	717.793
60.0	837.329	825.779	809.610	785.356	755.328	746.089	742.624
62.5	894.498	860.427	829.244	796.906	767.455	758.215	753.018
65.0	904.892	861.005	822.314	777.849	712.018	624.820	624.243
67.5	844.258	661.201	435.411	240.227	120.691	69.874	51.972
70.0	164.578	82.578	9.817	3.465	2.310	2.310	2.310
72.5	3.465	2.310	1.732	1.732	1.732	1.732	1.155
75.0	1.732	1.155	1.155	1.155	0.577	0.577	0.577
77.5	0.577	0.577	0.577	0.577	0.577	0.000	0.000
80.0	0.577	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

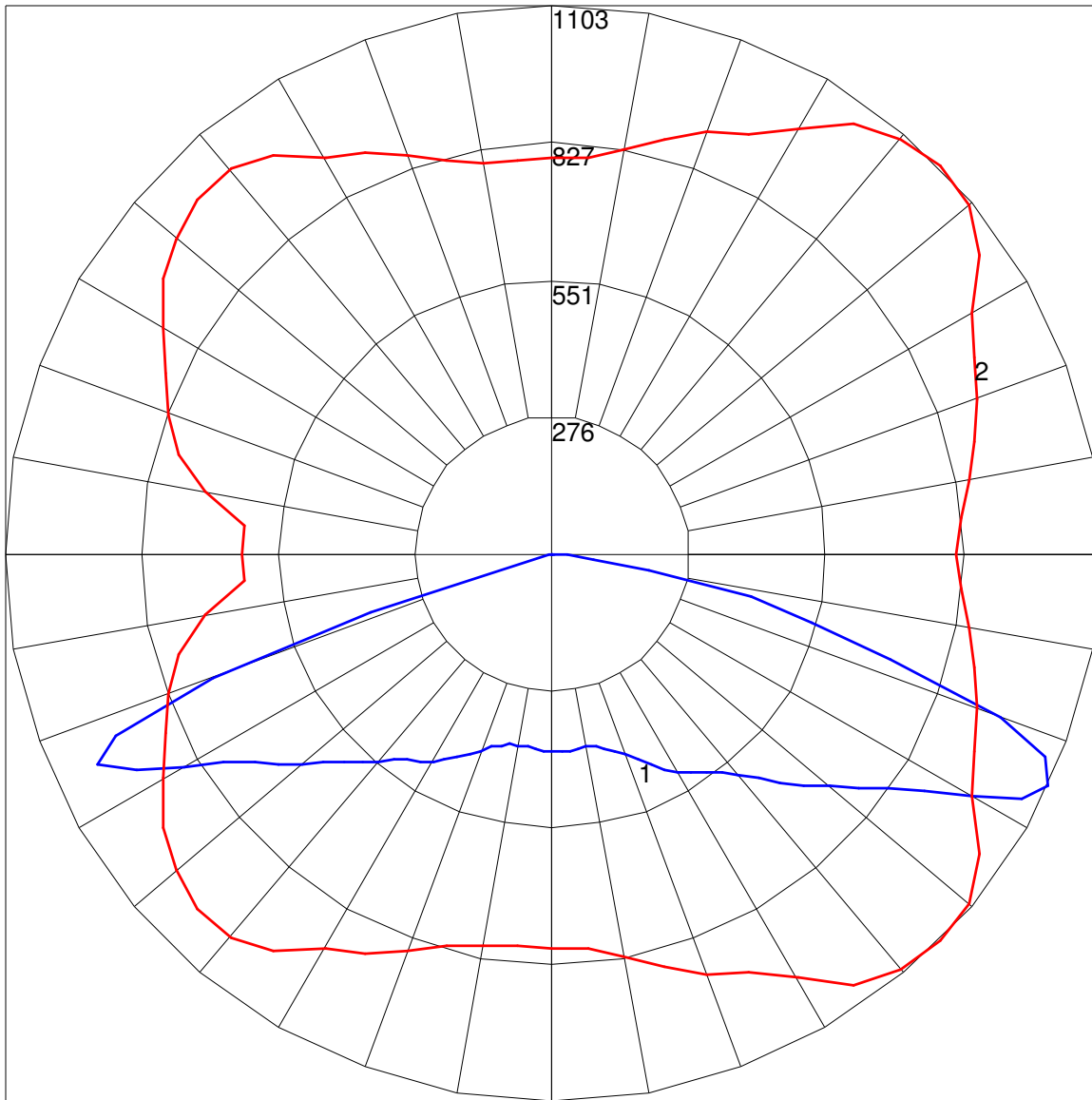
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

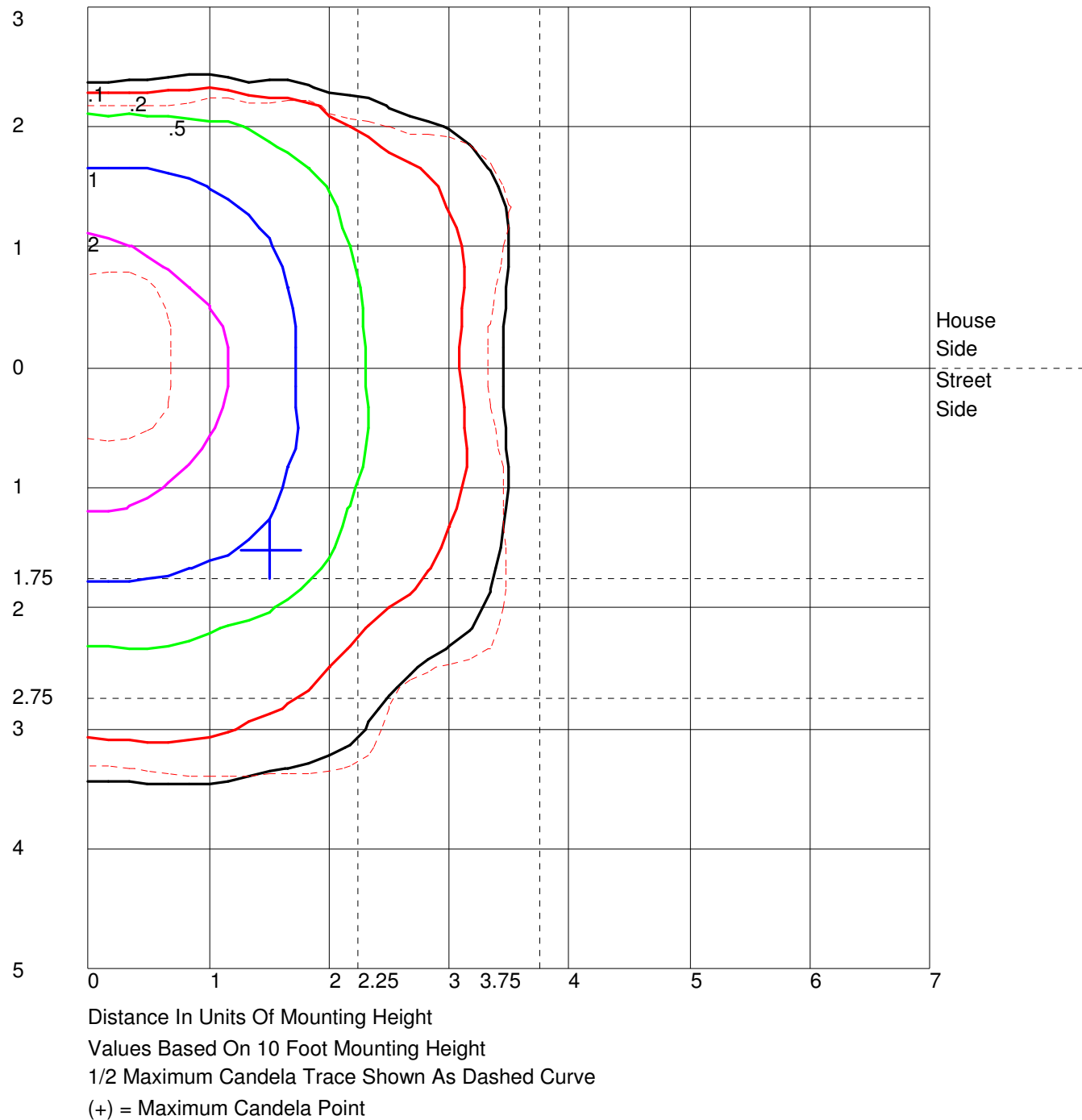
	Lumens	Percent Of Luminaire
Downward Street Side	1731.8	54.8
Downward House Side	1426.8	45.2
Downward Total	3158.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3158.6	100.0

POLAR GRAPH

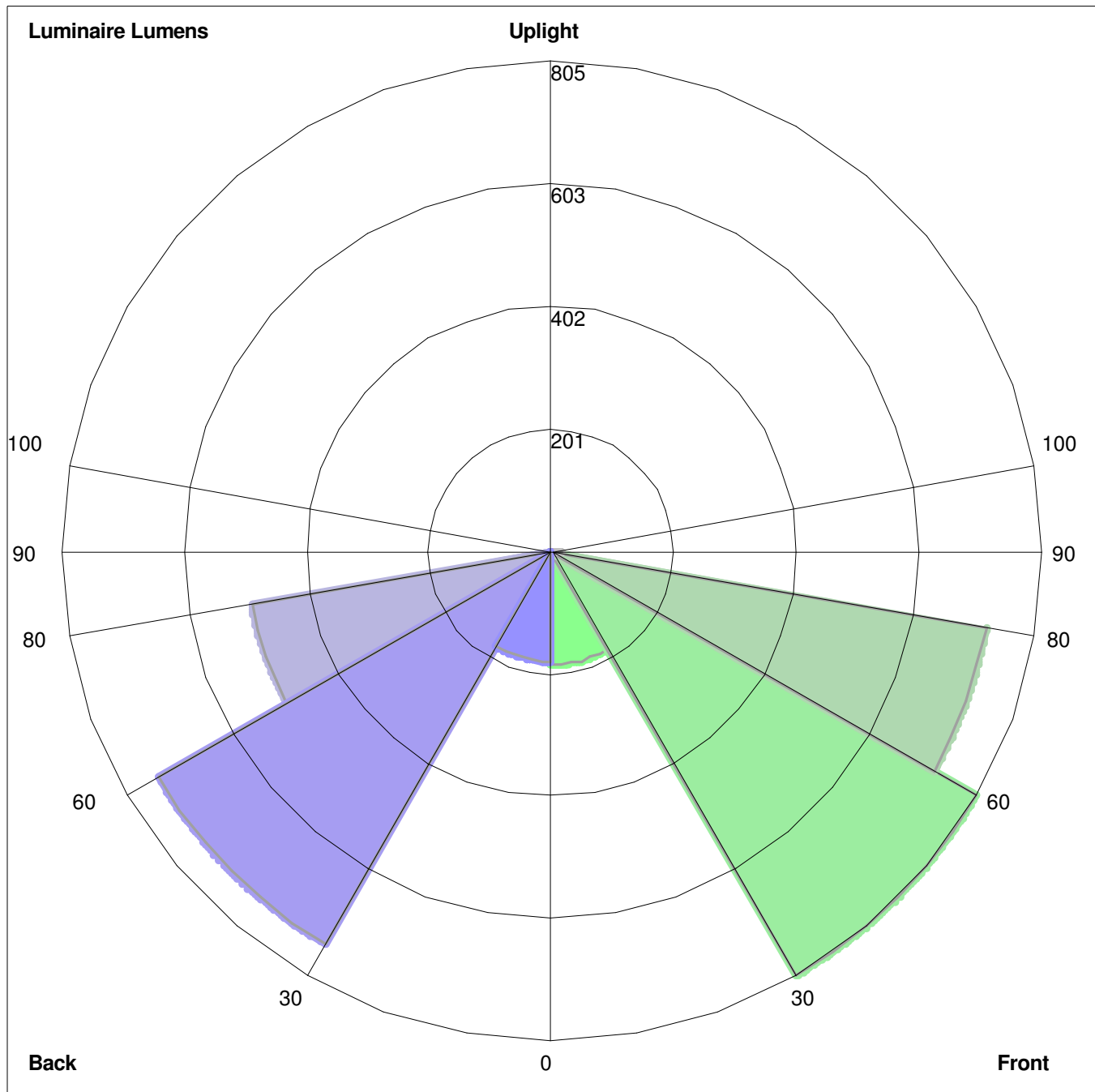


Maximum Candela = 1102.964 Located At Horizontal Angle = 45, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=185.9, Medium=804.6, High=724.8, Very High=16.4
Back: Low=180.2, Medium=744.0, High=500.1, Very High=2.4
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2