



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-850-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-L30-850-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	3125
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1091.354
Maximum Candela Angle	45H 65V
Maximum Candela (<90 Degrees Vertical)	1091.354
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	194.272 (6.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L30-850-TFT-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	184.0	N.A.	5.9
FM - Front-Medium (30-60)	796.2	N.A.	25.5
FH - Front-High (60-80)	717.2	N.A.	22.9
FVH - Front-Very High (80-90)	16.3	N.A.	0.5
BL - Back-Low (0-30)	178.3	N.A.	5.7
BM - Back-Medium (30-60)	736.2	N.A.	23.6
BH - Back-High (60-80)	494.9	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	3125.5	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	395.401	395.401	395.401	395.401	395.401	395.401	395.401	395.401	395.401	395.401
2.5	399.973	398.830	398.258	397.116	395.973	395.401	395.401	395.973	394.830	394.259
5.0	399.401	397.687	396.544	395.973	395.401	395.401	394.830	395.401	394.259	394.259
7.5	399.401	397.687	395.973	395.973	395.401	395.401	394.830	394.259	393.116	392.545
10.0	401.115	398.830	397.116	397.687	396.544	396.544	395.973	395.401	393.687	392.545
12.5	406.258	403.401	402.258	402.830	401.687	401.115	400.544	398.830	396.544	394.830
15.0	413.686	409.686	409.115	411.400	411.400	410.258	409.686	407.972	405.115	402.258
17.5	423.400	418.828	415.971	418.828	419.400	419.971	421.114	419.971	416.543	413.686
20.0	439.398	435.399	430.828	431.399	430.256	431.970	433.113	433.685	430.828	427.971
22.5	459.968	455.969	450.255	449.112	446.255	447.398	447.969	448.541	446.826	444.541
25.0	482.253	479.396	471.968	469.682	465.682	466.254	465.111	466.254	463.968	462.825
27.5	505.108	500.537	493.109	490.823	485.681	486.252	482.824	482.824	482.253	483.967
30.0	532.535	529.107	519.393	514.822	509.108	506.822	501.108	501.680	500.537	501.108
32.5	563.390	557.676	550.248	543.963	536.535	530.249	522.821	521.679	518.250	516.536
35.0	596.531	591.959	583.960	577.103	566.818	558.819	549.105	543.963	538.820	533.106
37.5	627.386	623.957	615.958	610.244	598.816	589.102	577.675	566.247	559.390	553.105
40.0	657.098	654.812	646.241	641.099	630.242	619.386	606.816	594.245	585.103	576.532
42.5	687.953	685.096	677.096	670.811	660.526	648.527	636.528	625.100	614.815	607.387
45.0	715.951	713.665	707.951	701.666	691.381	678.811	667.383	655.955	648.527	643.384
47.5	742.235	739.949	737.092	733.093	723.379	709.094	698.809	687.381	682.810	682.239
50.0	757.091	757.662	758.805	761.091	756.520	742.235	734.807	725.665	721.665	723.379
52.5	760.519	763.948	773.090	783.375	786.803	777.090	774.804	769.661	765.662	767.947
55.0	766.805	770.804	786.803	805.659	817.658	815.373	817.087	819.944	817.087	817.658
57.5	796.517	803.945	818.230	842.799	859.941	865.084	870.226	881.082	882.225	878.797
60.0	831.372	840.514	857.084	887.368	910.223	924.508	934.793	958.791	970.791	966.791
62.5	835.943	846.228	866.798	897.081	916.509	940.507	966.219	1021.073	1051.356	1053.642
65.0	806.802	818.801	842.228	873.083	898.795	927.936	963.362	1042.214	1084.497	1091.354
67.5	789.660	803.945	841.085	869.083	880.511	887.939	918.794	1010.788	1062.784	1063.927
70.0	762.805	780.518	827.943	862.798	879.368	869.083	876.511	913.080	953.649	952.506
72.5	644.527	659.383	740.521	795.945	822.801	802.231	827.943	791.374	739.949	709.094
75.0	275.410	285.123	346.262	418.257	482.253	537.677	610.815	645.670	562.819	535.392
77.5	99.422	101.707	114.278	128.563	162.275	231.413	334.263	394.259	389.116	403.972
80.0	40.569	41.711	47.425	55.425	70.281	91.422	133.705	173.131	183.416	194.272
82.5	16.570	17.142	19.999	22.284	29.712	39.426	56.568	71.424	75.423	83.994
85.0	6.285	6.285	6.857	7.999	10.285	13.713	20.570	26.284	26.855	31.426
87.5	1.714	1.714	1.714	1.714	1.714	1.714	2.286	2.286	3.428	4.571
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	395.401	395.401	395.401	395.401	395.401	395.401	395.401	395.401	395.401	395.401
2.5	393.687	393.116	394.259	394.830	393.687	392.545	392.545	392.545	392.545	392.545
5.0	392.545	391.973	393.116	393.116	391.973	390.259	389.116	389.116	388.545	389.116
7.5	391.973	390.259	391.402	390.830	389.688	387.402	385.688	385.688	385.116	385.116
10.0	391.973	389.116	390.259	390.830	390.830	388.545	386.259	385.688	385.116	384.545
12.5	394.259	392.545	393.687	393.687	394.259	391.973	389.688	388.545	387.402	386.831
15.0	402.258	401.115	401.687	401.115	400.544	398.830	395.401	392.545	391.402	390.830
17.5	412.543	411.972	411.400	410.258	407.972	404.544	402.258	399.973	399.401	398.830
20.0	426.256	425.685	425.114	421.685	418.828	414.829	413.115	412.543	412.543	411.972
22.5	442.827	439.398	438.256	435.399	432.542	430.256	429.685	429.113	429.113	428.542
25.0	461.683	455.969	454.826	452.540	450.255	450.826	450.826	450.255	450.255	447.969
27.5	480.538	473.682	470.825	469.111	468.539	470.825	470.825	471.396	472.539	469.111

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CANDELA TABULATION - (Cont.)

30.0	501.108	493.109	487.395	487.967	488.538	492.538	492.538	493.680	496.537	493.109
32.5	518.822	514.822	506.251	507.394	509.108	514.250	517.107	519.964	523.393	518.822
35.0	535.392	535.963	528.535	530.249	534.249	540.534	544.534	549.677	554.248	549.105
37.5	553.105	557.105	555.390	558.247	563.961	571.961	577.103	582.817	583.960	582.246
40.0	575.960	582.817	585.103	590.817	595.959	603.387	611.387	617.101	617.101	615.958
42.5	603.959	611.387	614.815	622.814	629.100	634.814	642.242	646.813	645.099	645.670
45.0	637.671	642.813	647.384	654.812	661.098	666.240	670.240	670.240	667.954	669.097
47.5	676.525	677.096	678.239	686.810	692.524	700.523	702.238	698.809	695.381	698.238
50.0	719.951	717.094	714.237	719.951	725.665	734.235	732.521	725.093	720.522	724.522
52.5	766.805	761.662	755.377	759.376	761.662	763.948	753.091	739.949	735.950	741.663
55.0	817.658	815.373	803.945	800.517	795.945	788.517	763.376	739.949	733.093	739.949
57.5	882.797	879.368	859.941	850.799	835.371	818.801	781.661	755.377	749.663	751.948
60.0	969.648	964.505	932.507	911.366	887.939	859.941	815.944	790.232	785.089	785.660
62.5	1048.500	1030.215	974.219	931.365	901.652	863.369	817.658	791.374	785.089	786.232
65.0	1081.069	1049.071	977.076	922.794	893.082	855.941	817.658	793.088	788.517	786.232
67.5	1063.927	1025.644	943.364	904.509	897.653	870.797	834.228	793.660	784.518	783.946
70.0	974.790	941.078	901.652	902.795	920.508	901.652	849.656	783.946	767.947	770.804
72.5	738.235	812.516	871.369	855.370	873.654	842.228	763.376	670.811	650.813	666.811
75.0	574.818	674.239	662.240	599.387	506.822	447.969	351.976	285.123	286.837	284.552
77.5	397.687	403.401	355.976	266.267	169.703	149.704	125.706	108.564	110.850	108.564
80.0	189.130	179.988	142.276	106.850	78.280	70.281	57.710	50.282	49.711	47.425
82.5	78.852	77.709	63.996	49.139	37.712	30.855	25.713	22.284	22.856	22.856
85.0	30.284	31.426	26.284	20.570	15.428	13.142	10.856	10.285	9.714	9.714
87.5	5.714	7.428	5.714	5.143	4.571	4.000	3.428	2.857	2.857	2.857
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	395.401	395.401	395.401	395.401	395.401	395.401	395.401	395.401	395.401	395.401
2.5	392.545	391.973	391.973	391.402	391.973	393.687	392.545	392.545	393.687	395.401
5.0	388.545	387.973	388.545	389.688	389.688	391.402	390.830	390.830	391.973	393.116
7.5	384.545	384.545	386.259	387.402	387.973	389.116	389.116	388.545	389.688	391.402
10.0	384.545	385.116	386.831	387.973	387.402	387.973	387.973	387.973	389.116	390.259
12.5	387.402	388.545	390.830	391.402	390.830	389.116	389.116	389.116	390.830	392.545
15.0	391.973	394.259	395.973	397.687	397.116	396.544	395.973	395.973	396.544	398.830
17.5	398.830	399.401	402.258	405.115	405.115	406.258	405.686	405.115	405.115	406.829
20.0	410.829	410.258	411.400	415.400	415.971	417.114	417.114	417.686	416.543	416.543
22.5	426.828	426.256	426.256	429.113	430.256	430.256	430.256	430.828	429.685	428.542
25.0	448.541	447.398	444.541	446.255	446.255	445.684	447.398	446.826	445.684	443.398
27.5	470.825	467.968	464.540	464.540	462.254	461.683	466.825	465.111	462.254	457.683
30.0	493.109	489.109	484.538	481.681	479.396	479.967	483.395	479.967	475.967	470.825
32.5	517.107	510.822	506.251	501.680	497.680	499.394	497.680	493.109	488.538	485.110
35.0	546.248	538.820	531.392	525.678	518.250	515.393	511.965	503.965	500.537	497.680
37.5	579.960	571.961	564.533	553.105	541.106	535.392	527.392	519.964	514.822	512.536
40.0	613.101	605.101	597.673	584.531	567.390	555.962	546.248	539.392	533.678	532.535
42.5	642.813	634.242	628.528	613.101	597.102	581.103	569.104	562.247	557.105	557.105
45.0	670.811	665.669	657.098	641.099	625.100	608.530	595.388	589.674	585.674	583.389
47.5	701.666	699.381	687.953	670.811	654.241	635.956	626.814	618.815	614.815	610.244
50.0	730.807	731.950	720.522	703.380	686.239	667.383	662.240	653.098	645.670	639.956
52.5	754.234	759.948	754.234	735.378	723.379	707.380	699.952	687.381	681.668	674.811
55.0	759.376	777.090	782.803	773.090	765.662	751.948	742.235	727.950	723.379	718.236
57.5	770.804	791.374	811.944	814.230	810.230	803.373	794.231	776.518	771.376	768.519
60.0	800.517	819.944	850.799	865.655	865.655	872.512	868.512	849.656	842.228	836.514
62.5	799.374	821.658	854.799	884.511	910.223	941.078	948.506	933.079	927.936	913.652
65.0	792.517	809.087	844.513	881.082	908.509	967.934	999.931	999.360	977.647	951.363

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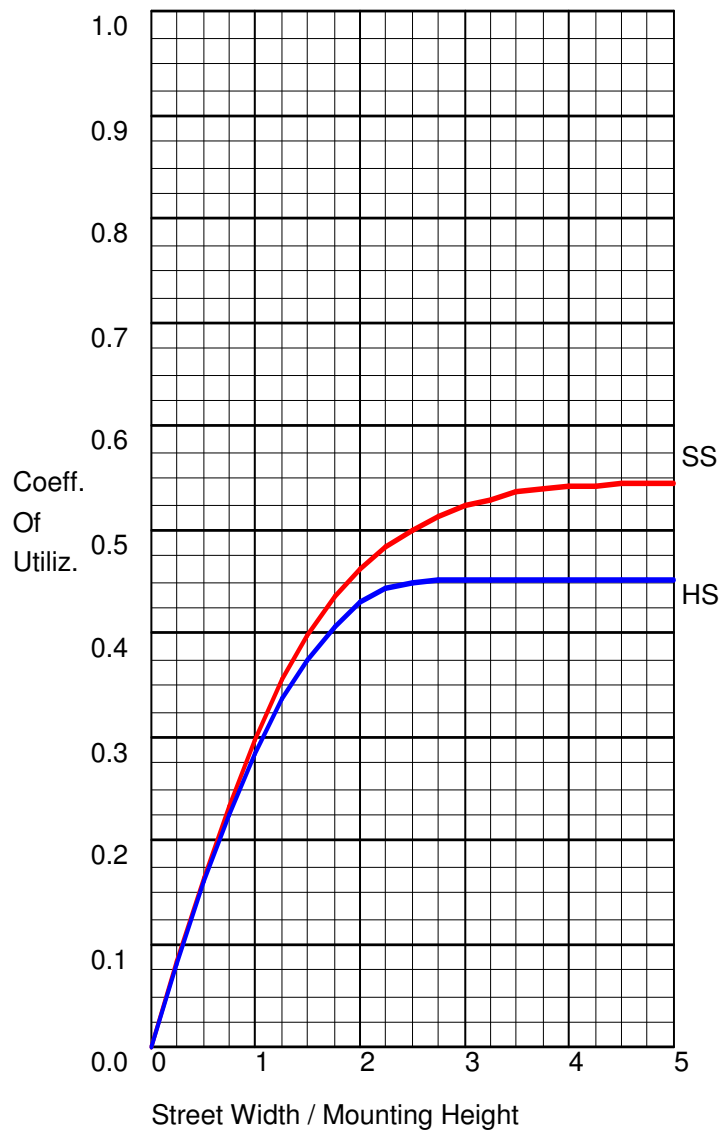
CANDELA TABULATION - (Cont.)

67.5	800.517	825.086	843.371	855.370	878.797	963.934	1007.359	943.935	877.083	843.371
70.0	799.945	843.371	859.941	853.084	847.942	895.367	787.946	722.808	783.946	474.253
72.5	733.664	812.516	855.370	831.372	846.228	617.672	545.677	383.402	71.424	13.142
75.0	354.833	446.826	544.534	569.104	518.822	430.256	98.850	9.714	2.286	1.714
77.5	126.848	146.276	177.702	212.557	246.840	6.857	2.286	1.714	1.143	1.143
80.0	56.568	63.996	60.567	49.139	18.856	1.143	1.143	0.571	0.571	0.571
82.5	24.570	24.570	15.999	6.857	1.143	0.571	0.571	0.571	0.571	0.571
85.0	10.285	5.714	2.857	0.571	0.571	0.571	0.571	0.000	0.000	0.000
87.5	2.286	0.571	0.571	0.571	0.571	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	395.401	395.401	395.401	395.401	395.401	395.401	395.401
2.5	394.830	395.401	396.544	396.544	397.687	396.544	394.830
5.0	392.545	392.545	393.687	393.687	394.259	393.687	391.402
7.5	390.259	390.259	390.830	390.259	390.830	390.259	387.973
10.0	389.688	389.688	389.688	390.259	391.402	390.259	389.116
12.5	392.545	393.687	392.545	393.687	394.830	393.687	392.545
15.0	399.401	399.401	398.258	398.830	398.258	396.544	395.973
17.5	406.258	405.686	402.830	402.258	401.687	401.687	401.115
20.0	415.400	414.257	410.258	410.258	410.829	411.400	411.972
22.5	426.828	425.114	420.543	421.114	422.828	424.542	426.828
25.0	440.541	436.541	433.685	434.256	436.541	439.398	441.113
27.5	451.969	448.541	446.255	447.398	449.683	453.112	455.397
30.0	464.540	462.254	462.254	463.397	466.254	470.825	473.682
32.5	479.967	477.682	477.682	479.967	483.967	489.681	493.109
35.0	495.966	492.538	495.966	499.394	505.108	511.393	515.965
37.5	511.965	513.679	519.393	524.535	530.249	538.249	544.534
40.0	533.106	538.249	543.391	550.248	558.247	567.390	573.675
42.5	558.247	563.961	570.247	576.532	584.531	594.816	601.673
45.0	584.531	589.674	595.959	602.244	610.244	621.100	626.814
47.5	610.815	613.672	621.672	627.386	635.385	646.241	650.241
50.0	639.956	641.670	649.098	654.812	662.240	671.954	674.239
52.5	674.239	674.239	678.811	683.382	685.667	691.953	692.524
55.0	714.237	710.808	711.380	711.951	707.380	706.237	703.952
57.5	761.662	756.520	751.948	742.806	725.093	714.808	710.237
60.0	828.515	817.087	801.088	777.090	747.377	738.235	734.807
62.5	885.082	851.370	820.515	788.517	759.376	750.234	745.092
65.0	895.367	851.942	813.658	769.661	704.523	618.243	617.672
67.5	835.371	654.241	430.828	237.698	119.420	69.138	51.425
70.0	162.846	81.709	9.714	3.428	2.286	2.286	2.286
72.5	3.428	2.286	1.714	1.714	1.714	1.714	1.143
75.0	1.714	1.143	1.143	1.143	0.571	0.571	0.571
77.5	0.571	0.571	0.571	0.571	0.571	0.000	0.000
80.0	0.571	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

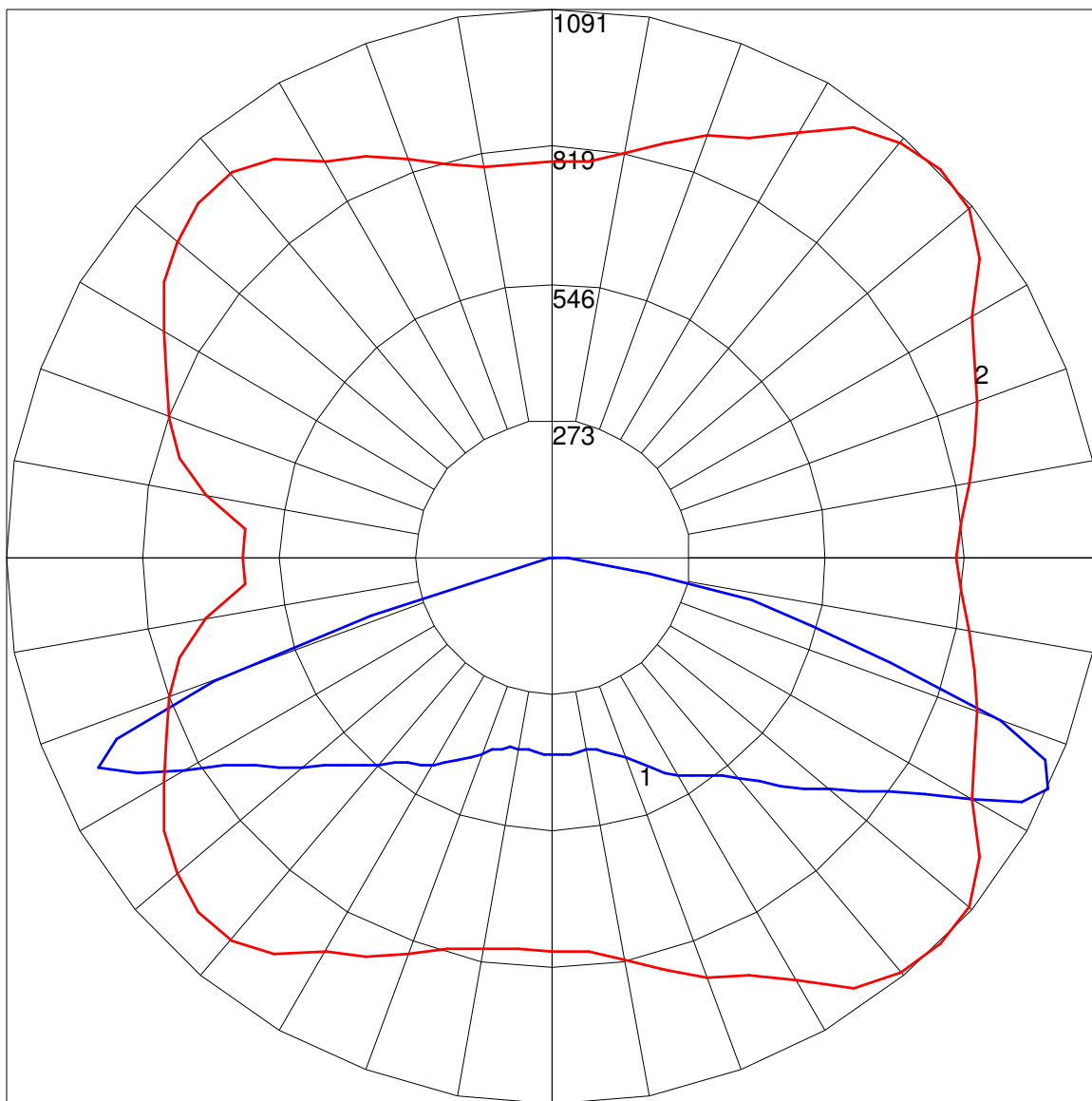
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

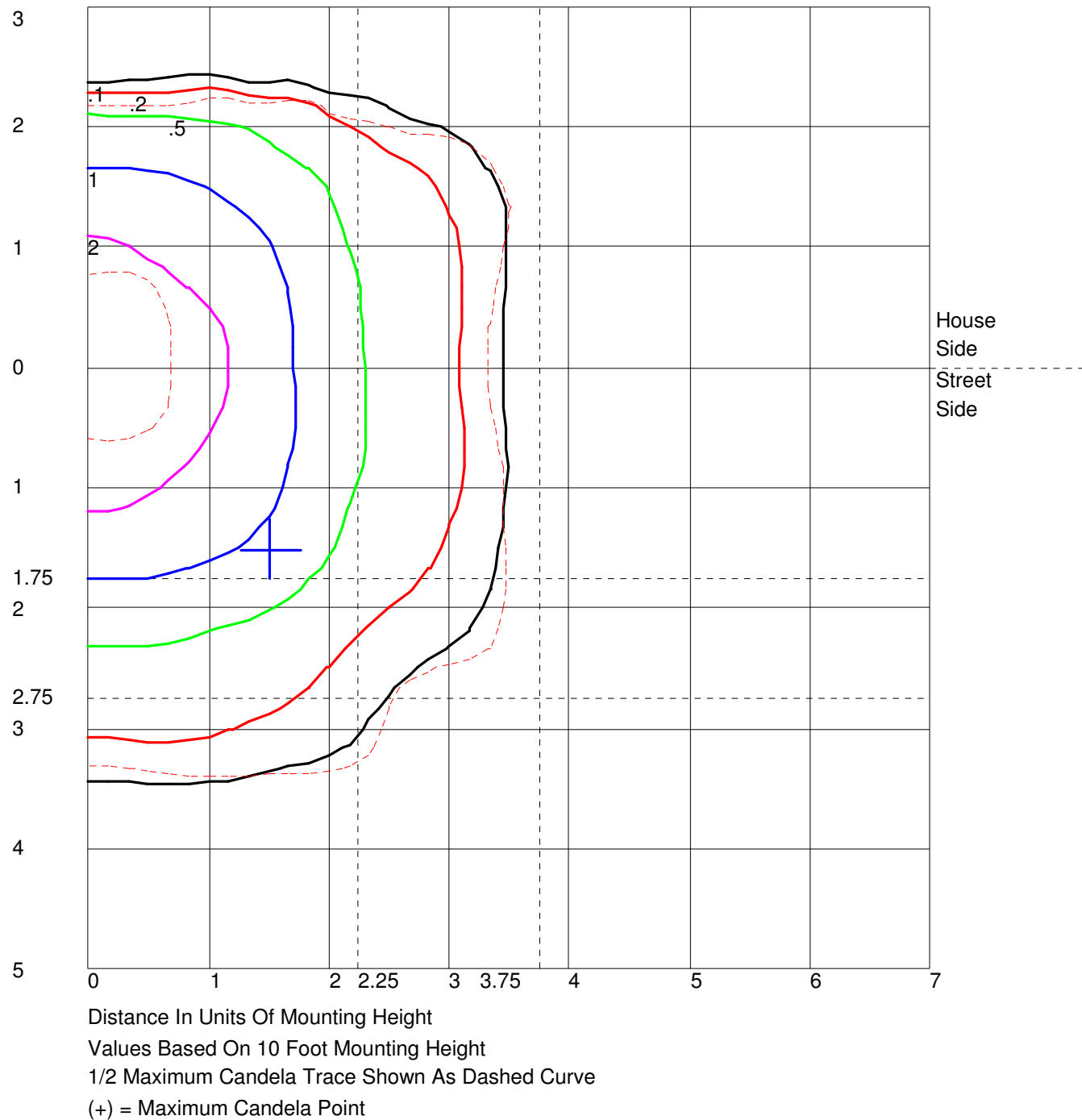
	Lumens	Percent Of Luminaire
Downward Street Side	1713.6	54.8
Downward House Side	1411.8	45.2
Downward Total	3125.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3125.4	100.0

POLAR GRAPH

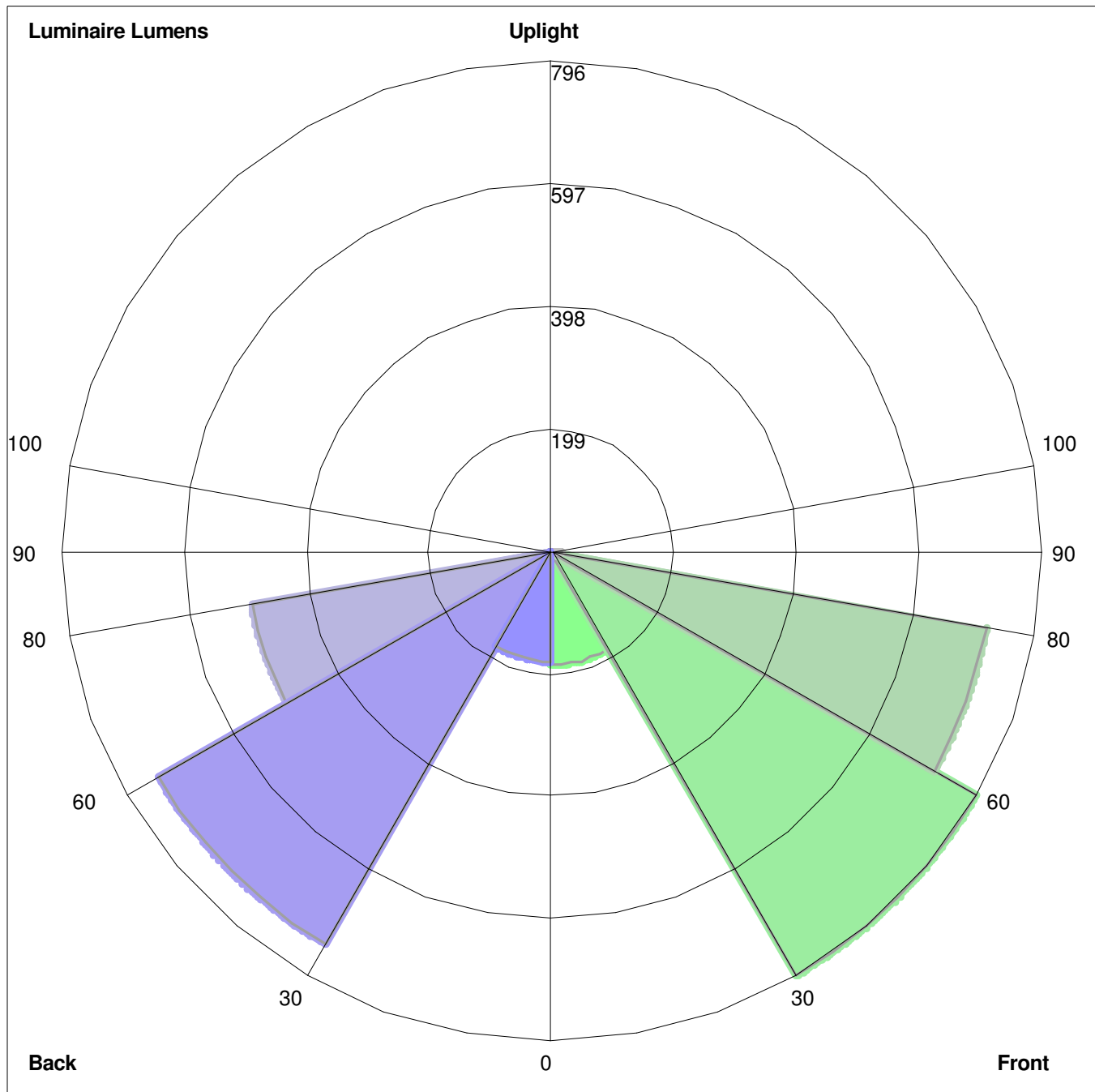


Maximum Candela = 1091.354 Located At Horizontal Angle = 45, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=184.0, Medium=796.2, High=717.2, Very High=16.3
Back: Low=178.3, Medium=736.2, High=494.9, Very High=2.4
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1