



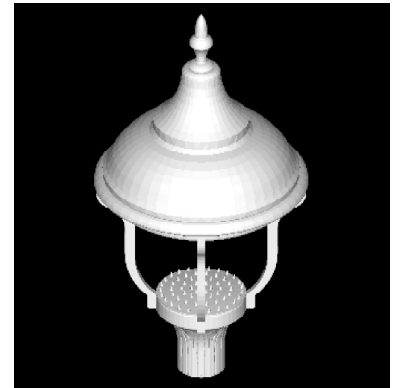
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : BA-CON-J-HYD-HOR 175MH.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-1995  
[TEST] Photopia 3.0.0.123 PHOTOMETRIC REPORT  
[DATE] Wed Oct 03 13:58:48 2007  
[LUMINAIRE] PROJECT: BA-CON-J-HYD-HOR  
[LAMP] MH 175W clear E-17  
[LAMPCAT] M175/U/MED

**CHARACTERISTICS**

IES Classification	Type II
Longitudinal Classification	Short
Cutoff Classification	Cutoff
Total Rated Lamp Lumens	14000
Maximum Candela	5815.94
Maximum Candela Angle	60H 57.5V
Maximum Candela At 90 Degrees Vertical	6.5 (0.05% Lamp Lms)
Maximum Candela At 80 Degrees Vertical	581.34 (4.15% Lamp Lms)
Downward Total Efficiency	65.8%



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : BA-CON-J-HYD-HOR 175MH.IES**

**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>
<b>0</b>	192.2	192.2	192.2	192.2	192.2	192.2	192.2	192.2	192.2	192.2
<b>2.5</b>	238.45	234.49	238.8	252.92	222.83	214.18	213.75	228.59	196.81	237.86
<b>5</b>	289.27	248.39	286.31	285.81	258.54	302.32	285.62	287.19	292.18	261.06
<b>7.5</b>	324.92	334.6	322.03	332.67	333.21	350.85	342.47	333.93	345.07	364.81
<b>10</b>	389.76	349.03	399.52	394.74	399.85	431.23	418.12	424.19	417.68	414.08
<b>12.5</b>	422.67	490.9	516.68	514.83	514.85	528.46	478.98	504.46	477.7	481.68
<b>15</b>	634.29	700.57	687.46	779.51	748.91	758.12	723.1	676.47	680.26	727.51
<b>17.5</b>	1229.41	1224.07	1191.62	1229.27	1250.91	1225.79	1116.49	916.08	995.33	1069.64
<b>20</b>	1703.92	1697.93	1685.51	1687.93	1724.56	1715.28	1579.56	1254.5	1279.36	1627.38
<b>22.5</b>	2747.59	2699.55	2700.91	2758.86	2730.79	2790.99	2689.43	1862.92	1614.73	2549.21
<b>25</b>	3110.08	3111.87	3072.95	3076.12	3044.88	3018.33	2929.62	2174.68	1828.06	2806.84
<b>27.5</b>	3103.19	3052.36	3068.48	2995.72	2974.08	2998.25	2960.52	2287.22	1847.67	2899.48
<b>30</b>	2898.12	2954.34	2908.52	2859.18	2856.19	2843.75	2794.38	2185.27	1698.2	2748.57
<b>32.5</b>	2758.27	2739.09	2728.05	2630.52	2651.66	2587.25	2561.51	1897.18	1440.71	2472.66
<b>35</b>	2620.37	2545.26	2504.08	2476.4	2439.63	2412.69	2332.86	1734.6	1163.98	2141.21
<b>37.5</b>	2402.53	2355.99	2339.15	2250.44	2201.76	2263.77	2169.01	1521.84	938.29	1801.19
<b>40</b>	2143.64	2118.77	2144.13	2107.37	2062.73	2035.54	1988.32	1359.1	741.67	1508.61
<b>42.5</b>	2131.53	2105.25	2068.48	2088.13	1903.31	1887.51	1846.54	1255.13	675.07	1445.09
<b>45</b>	2114.57	2132.54	2086.69	2068.33	1812.33	1693.6	1611.03	1098.18	678.69	1500.76
<b>47.5</b>	2151.02	2140.74	2145.88	1978.12	1667.65	1423.72	1444.41	1049.74	739.92	1629.08
<b>50</b>	1974.94	1960.7	1915.63	1752.2	1343.75	1275.31	1348.29	1068.64	779.13	1728.9
<b>52.5</b>	1701.26	1631.61	1551.95	1429.77	1232.5	1207.81	1366.14	1151.88	827.81	1897.17
<b>55</b>	1493.18	1484.24	1403.32	1271.3	1154.03	1231.66	1404.51	1328.48	991.34	2078.81
<b>57.5</b>	1324.48	1309.94	1231.67	1169.58	1160.04	1275.21	1514.42	1560.35	1190.21	2426.7
<b>60</b>	1134.42	1126.87	1084.27	1049.8	1105.67	1285.47	1626.44	1804.14	1548.6	2766.49
<b>62.5</b>	910.67	925.14	859.24	896.14	998.65	1198.55	1576.7	1936.85	1734.23	2921.38
<b>65</b>	456.12	472.88	531.84	598.89	739.03	948.41	1312.82	1752.21	1706.06	2825.39
<b>67.5</b>	249.28	293.4	395.25	481	614.3	764.38	1039.91	1421.61	1512.93	2618.94
<b>70</b>	183.63	274.85	363.91	457.75	562.04	701.79	885.41	1154.06	1131.26	2315.14
<b>72.5</b>	222.25	257.49	347.93	431.18	520.64	629.48	764.13	911.76	683.4	1749.26
<b>75</b>	225.42	226.47	302.73	402.25	471	562.33	665.53	752.83	359.09	1007.86
<b>77.5</b>	79.5	93.53	99.55	110.4	131.94	159.9	174.97	189.38	119.15	237.82
<b>80</b>	38.88	39.2	45.11	39.89	37.23	37.8	42.22	38.51	44.93	46.87
<b>82.5</b>	25.08	25.88	32.81	28.92	23.13	23.19	24.91	21.13	22.09	20
<b>85</b>	7.17	8.64	8.69	10.22	9.75	11.59	11.62	11.12	11.88	8.8
<b>87.5</b>	6.6	5.4	4.82	5.35	5.84	5.31	6.09	7.77	8.55	4.88
<b>90</b>	2.46	2.61	2.58	2	2.31	2.29	3.42	5.45	6.5	2.52
<b>92.5</b>	1.67	1.31	1.34	1.28	1.51	1.69	2.87	4.91	6.08	2.02
<b>95</b>	1.28	1.45	1.17	1	1.07	1.62	2.69	4.3	6.13	2.16
<b>97.5</b>	1.7	1	1.03	0.98	1.06	1.5	2.18	3.87	5.61	2.04
<b>100</b>	0.97	0.9	1.02	0.86	0.79	1.02	1.74	2.72	3.4	1.4
<b>102.5</b>	0.84	1.01	0.87	0.99	0.78	1.08	1.69	2.56	3.91	1.49
<b>105</b>	1.23	1.16	0.83	0.71	0.76	1.03	1.41	2.54	3.54	1.24
<b>107.5</b>	0.78	0.83	0.7	0.9	0.76	1.23	1.41	2.33	2.96	1.11
<b>110</b>	0.81	0.84	0.81	0.83	0.94	1.11	1.34	1.86	2.82	0.92
<b>112.5</b>	0.9	0.84	0.6	0.83	0.74	0.99	1.02	1.58	2.29	0.69
<b>115</b>	0.73	1.1	0.96	0.78	0.68	0.7	1.11	1.54	1.94	0.69
<b>117.5</b>	0.86	0.74	0.54	0.58	0.47	0.6	0.84	1.32	1.54	0.55
<b>120</b>	0.91	0.83	0.7	0.59	0.6	0.64	0.86	1.01	1.33	0.6
<b>122.5</b>	0.82	0.82	0.8	0.49	0.6	0.68	1.01	1.05	1.54	0.67
<b>125</b>	0.8	1.02	0.81	0.76	0.94	0.87	1.01	1.01	1	0.6
<b>127.5</b>	1.37	1.08	1.15	1.21	1.1	1.35	1.1	1.26	1.13	0.76
<b>130</b>	1.9	1.82	1.71	1.64	1.48	1.37	1.32	1.24	1.07	1.28

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : BA-CON-J-HYD-HOR 175MH.IES**

**CANDELA TABULATION - (Cont.)**

132.5	2.48	2.67	2.75	2.34	2.42	2.53	2.32	1.82	1.36	1.65
135	3.13	3.89	3.8	3.79	3.65	3.78	2.96	2.57	2.61	2.28
137.5	5.06	5.83	5.54	6.04	5.25	5.01	4.58	3.75	3.85	3.16
140	7.64	7.49	7.59	7.78	6.98	7.05	6.12	5.62	5.11	4.84
142.5	10.03	10.05	10.53	9.4	9.36	9.15	8.06	7.03	5.8	6.94
145	10.97	10.8	11.47	11.44	10.14	9.89	9.75	7.71	7.31	7.7
147.5	8.8	9.03	8.59	9.64	9.61	9.37	7.33	7.14	5.39	6.69
150	3.73	4.18	3.89	4.3	4.51	3.85	3.56	2.77	2.63	2.71
152.5	0.46	0.48	0.3	0.38	0.18	0.36	0.38	0.36	0.13	0.25
155	0	0	0	0	0.01	0	0	0	0.01	0.01
157.5	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0

**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	192.2	192.2	192.2	192.2	192.2	192.2	192.2	192.2	192.2	192.2
2.5	215.16	261.27	263.18	200.34	232.95	261.95	261.37	242.27	223.37	216.9
5	247.61	258.8	302.62	323.18	292.44	252.12	289.94	267.15	245.21	284.13
7.5	320.62	354.88	326.21	343.24	302.38	332.07	309.3	311.36	321.3	281.86
10	411.81	421.61	364.93	339.08	362.4	376.96	363.87	385.01	363.61	369.44
12.5	474.63	460.92	484.24	527.32	544.65	648.65	709.61	770.84	805.92	771.31
15	774.69	827.93	893.07	939.74	982.18	966.24	1074.56	947.48	951.59	899.73
17.5	1102.61	1035.89	1104.54	1127.97	1077.33	1104.3	1084.64	1209.54	1183.96	1355.54
20	1769.13	1772.28	1860.64	1953.34	2033.09	2082.73	2066.06	2137.87	2052.31	2022.41
22.5	2635.03	2455.95	2392.37	2327.41	2261.81	2165.87	2117.45	2029.13	2013.78	1952.79
25	2961.64	2707.75	2547.05	2332.08	2217.35	2128.45	2031.87	1972.78	1910.2	1913.81
27.5	3039.64	2910.38	2625.85	2385.22	2167.56	1987.34	1998.96	1906.92	1900.53	1861.74
30	2970.65	2747.97	2593.59	2269.73	2093.49	1999.51	1972.56	1884.47	1883.85	1885.34
32.5	2685.56	2490.95	2286.87	2150.69	2016.24	1992	1900.44	1947.86	1876.2	2068.96
35	2277.59	2107.75	2021.01	1953.59	1965.01	2031.35	2008.19	1982.75	2068.86	2378.19
37.5	1880.4	1874.15	1845.23	1976.63	2064.49	2160.56	2147.95	2082.37	2230.14	2667.91
40	1764.69	1852.28	1972.34	2135.42	2219.99	2360.47	2244.87	2127.9	2383.38	2887.65
42.5	1798.62	2053.58	2288.76	2398	2489.62	2529.13	2362.41	2236.02	2526.06	3035.36
45	1980.35	2312.87	2672.82	2826.55	2903.65	2684.46	2430.41	2303.79	2533.63	3021.71
47.5	2192.59	2791.7	3302.95	3388.85	3304.2	2869.92	2548.27	2324.1	2544.38	2951.25
50	2470.23	3352.21	4035.04	4125.86	3790.11	3133.96	2586.81	2408.18	2559.64	2782.09
52.5	2782.08	4004.68	4860.73	4833.61	4216.87	3419.07	2832.59	2565.66	2526.89	2600.59
55	3103.21	4531.82	5470.58	5324.34	4467.67	3562.24	3052.52	2752.56	2534.02	2463.64
57.5	3443.38	4853.93	5815.94	5516.36	4529.91	3629.37	3149.73	2775.48	2512.15	2323.14
60	3775.28	4858.91	5672.42	5322.44	4288.51	3533.34	3097.94	2709.91	2367.46	2149.35
62.5	3800.83	4620.05	5327.12	4959.58	4124.68	3347.55	2871.25	2566.78	2262.01	2024.88
65	3664.63	4265.76	4710.54	4553.38	3901.43	3143.98	2730.42	2464.53	2159.41	1867.69
67.5	3404.56	3839.94	4196.78	4062.96	3547.7	2944.94	2687.26	2437.09	1989.07	1735.27
70	3006.71	3348.17	3654.02	3646.71	3306.9	3062.1	2691.85	2234.98	1784.81	1564.09
72.5	2422.59	2703.19	3041.52	3284.5	3320.19	3052.47	2502.17	1841.39	1466.61	1322.16
75	1568.27	1757.88	2161.06	2544.46	2690.71	2328.55	1628.35	1052.56	786.69	716.83
77.5	392.35	522.81	760.65	1139.86	1354.39	1138.93	680.19	385.58	280.19	256.69

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : BA-CON-J-HYD-HOR 175MH.IES**

**CANDELA TABULATION - (Cont.)**

80	81.98	132.13	234.77	456.17	581.34	467.54	294.83	183.38	167.08	164.14
82.5	40.83	76.33	166.88	305.35	330.32	254.05	151.98	109.85	104.43	118.01
85	18.29	34.32	114.49	194.69	193.9	128.78	73.95	46.69	41.8	37.75
87.5	8.42	8.93	24.82	45.71	45.08	24.91	14.86	7.53	4.89	7.68
90	4.86	3.25	2.21	1.79	1.55	1.51	1.32	1.5	2.21	1.71
92.5	4.8	3.35	2.04	1.41	1.05	0.84	1.25	1.36	1.61	2.04
95	4.62	3.17	2.15	1.65	1.16	0.9	0.58	1.06	1.37	2.07
97.5	4.29	3.12	2.01	1.56	1.05	0.81	0.7	0.63	1.13	1.29
100	2.98	2.29	1.57	1.07	0.82	0.72	0.58	1.14	0.92	0.98
102.5	3.09	2.2	1.49	1.2	0.73	0.67	0.58	0.79	0.85	0.74
105	2.83	1.9	1.42	1.11	0.66	0.77	0.61	0.64	1.05	0.65
107.5	2.57	2.06	1.27	1.14	0.8	0.65	0.38	0.83	0.78	0.65
110	2.12	1.76	1.23	1.2	0.65	0.55	0.53	0.51	0.8	0.74
112.5	2.08	1.65	1.03	0.83	0.76	0.52	0.48	0.71	0.81	1.02
115	2	1.59	1.06	0.79	0.62	0.58	0.5	0.53	0.69	0.71
117.5	1.54	1.28	1.13	0.82	0.49	0.37	0.49	0.48	1.01	0.91
120	1.3	1.35	1.02	0.87	0.65	0.5	0.52	0.62	0.58	0.71
122.5	1.45	1.13	0.93	0.76	0.57	0.51	0.48	0.63	0.76	1
125	1.22	1.31	1	0.82	0.83	0.6	0.56	0.84	0.89	0.73
127.5	1.25	1.13	0.93	1.07	1.11	0.88	0.8	0.8	1.04	0.98
130	1.12	1.22	1.1	0.98	1.21	1.12	1.25	1.35	1.26	1.71
132.5	1.83	1.9	1.94	1.67	1.68	1.8	1.81	1.86	1.95	2.47
135	2.58	2.8	2.88	2.63	2.79	2.58	2.95	3.03	3.94	2.99
137.5	3.34	4.51	4.17	4.4	4.15	4.26	4.7	5.16	4.89	4.99
140	5.76	5.75	6.28	6.37	6.35	5.75	6.13	5.76	6.57	7.21
142.5	7.66	7.41	8.87	7.88	8.42	8.95	8.18	8.79	9.09	8.97
145	8.73	8.96	9.93	10.21	10.16	10.32	10.6	10.03	10.17	10.85
147.5	7.77	7.84	9.36	8.72	10.08	9.99	9.76	9.54	9.49	9.93
150	3.14	3.44	4.59	4.44	5.1	4.82	4.76	5.13	5.36	5.11
152.5	0.25	0.28	0.28	0.42	0.46	0.43	0.6	0.53	0.52	0.53
155	0	0.01	0	0	0.01	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0

**Vert. Horizontal Angles**  
**Angles**

	<b>100</b>	<b>105</b>	<b>110</b>	<b>115</b>	<b>120</b>	<b>125</b>	<b>130</b>	<b>135</b>	<b>140</b>	<b>145</b>
<b>0</b>	192.2	192.2	192.2	192.2	192.2	192.2	192.2	192.2	192.2	192.2
<b>2.5</b>	218.74	229.23	184.24	199.78	221.62	192.39	186.38	223.82	189.55	160.84
<b>5</b>	236.31	279.25	257.33	213.32	233.28	223.6	193.64	198.5	223.32	197.65
<b>7.5</b>	269.84	266.28	296.71	248.95	270.86	252.39	213.2	239.66	236.91	206.8
<b>10</b>	370.42	418.01	446.98	321.93	317.56	325.75	400.99	483.59	478.82	419.36
<b>12.5</b>	744.33	762.21	730.37	534.59	420.94	391.54	479.38	528.42	549.97	456.5
<b>15</b>	865.77	776.33	823.16	724.64	567.85	463.82	578.37	794.47	799.42	870.37
<b>17.5</b>	1366.95	1503.26	1469.58	1590.39	1251.43	615.94	687.92	1487.21	1829.6	1826.17
<b>20</b>	1981.59	1920.66	1890.07	1907.53	1611.55	836.78	764.3	1625.18	2011.37	2027.04
<b>22.5</b>	1936.28	1819.8	1838.71	1822.41	1764.29	1019.46	727.05	1569.07	1988.31	1870.11
<b>25</b>	1850.81	1837.7	1831.54	1837.2	1836.5	1170.29	644.75	1435.29	1819.77	1807.54

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : BA-CON-J-HYD-HOR 175MH.IES**

**CANDELA TABULATION - (Cont.)**

27.5	1857.28	1900.67	1904.55	1907.97	1859.38	1273.73	650.51	1386.49	1745.9	1739.11
30	2012.52	2092.67	2056.61	2013.83	1964.94	1369.37	674.98	1398.73	1779.1	1735.2
32.5	2283.91	2462.58	2460.25	2288.38	2137.33	1538.24	744.69	1437.06	1859.99	1749.64
35	2717.63	2886.32	2846.35	2718.98	2542.67	1860.9	961.64	1637.14	1971.02	1929.6
37.5	3085.68	3279.82	3306.3	3069.12	2851.04	2227.18	1304.81	1781.45	2204.58	2233.44
40	3392.24	3625.96	3597.32	3412.43	3186.39	2449.61	1456.38	1860.57	2235.8	2320.97
42.5	3495.32	3785.39	3825.27	3640.39	3346.87	2649.57	1566.24	1938.45	2201.9	2314
45	3473.07	3827.59	3926.58	3812.68	3595.43	2770.19	1622.2	1900.06	2234.63	2267.95
47.5	3352.52	3664.08	3816.32	3763.99	3540.58	2765.98	1583.45	1845.54	2169.87	2140.73
50	3099.26	3456.53	3674.28	3649.97	3375.14	2633.55	1452.9	1743.3	2048.55	2047.29
52.5	2881.37	3124.3	3296.62	3341.68	3169.5	2353.75	1232.94	1562.72	1869.35	1884.07
55	2604.25	2781.76	2928.95	2856.66	2658.82	2050.05	946.43	1364.43	1718.35	1741.36
57.5	2294.27	2434.74	2534.66	2429.59	2248.68	1771.88	726.81	1207.84	1618.29	1581.75
60	2084.37	2120.61	2111.56	2069.21	1947.55	1489.37	537.44	1059.38	1492.97	1439.53
62.5	1867.77	1837.52	1837.85	1780.47	1670.99	1371.29	451.38	966.03	1380.57	1343.93
65	1739.8	1687.27	1671.04	1631.35	1563.24	1320.85	389.5	890.03	1282.46	1242.36
67.5	1597.82	1560.04	1547.64	1542.63	1496.01	1339.85	380.39	804.75	1220.82	1207.64
70	1473.54	1488.14	1444.68	1447.77	1411.64	1278.89	412.13	773.36	1155.11	1125.64
72.5	1317.64	1307.48	1365.18	1366.95	1342.64	1243.22	424.41	708.51	1056.93	1010.46
75	743.98	813.78	893.81	891.41	846.17	782.03	365.01	402.72	634.72	616.01
77.5	258.73	282.64	270.65	250.4	240.24	207.73	167.02	140.03	142.3	142.64
80	182.42	190.72	190.45	189.2	168.41	141.92	119.43	104.56	91.87	81.56
82.5	128.53	150.49	151.33	146.27	120.68	104.32	89.75	61.84	54.1	47.6
85	62.46	82.74	89.75	86.74	71.57	53.37	36.13	22.39	23.58	23.41
87.5	9.56	14.88	17.83	21.15	18.32	15.91	15.62	8.65	11.48	11.2
90	2.27	1.81	2.04	2.59	3.7	5.46	6.14	3.06	5.99	5.04
92.5	1.88	2.03	1.97	2.15	3.13	4.58	6.18	2.11	4.92	4.22
95	1.61	1.4	1.52	2.28	3.16	4.69	6.48	2.34	4.99	4.33
97.5	1.14	1.09	1.96	2.03	2.82	3.78	4.78	1.84	4.16	3.22
100	1.09	1.03	1.06	1.46	1.85	2.33	2.92	1.08	2	1.54
102.5	1.01	1.08	1.07	1.2	1.67	2.4	2.7	1.22	1.88	1.43
105	0.88	0.88	1.13	1.26	1.47	2.82	2.55	0.98	1.9	1.43
107.5	0.74	0.89	0.87	1.13	1.57	2.06	2.65	0.9	1.69	1.15
110	0.59	0.67	1.07	1	1.58	1.86	2.21	0.8	1.4	1.25
112.5	0.9	0.81	0.97	0.89	1.16	1.61	2.02	0.66	1.33	1.15
115	0.74	0.67	0.67	0.81	1.1	1.5	1.87	0.77	1.47	1.12
117.5	0.81	0.52	0.74	0.94	1.13	1.6	1.94	0.9	1.48	1.39
120	0.98	0.74	0.86	1.04	1.35	2.12	2.16	1.16	1.85	1.62
122.5	0.87	0.78	1.06	1.41	1.9	1.89	2.15	1.56	2.18	2.28
125	0.74	1.13	1.59	1.99	2.06	2.67	2.88	2.21	2.29	2.88
127.5	1.25	1.71	2.16	2.47	2.71	3.14	3.35	2.69	3.18	3.73
130	1.87	2.36	2.72	3.47	3.64	3.98	3.92	3.93	3.51	4.39
132.5	2.57	3.49	3.53	4.4	4.39	4.94	4.45	4.63	4.77	4.78
135	4.06	4.49	4.58	5.3	5.19	5.55	5.44	5.27	5.5	5.74
137.5	5.68	6.29	6.41	6.25	6.57	6.73	6.66	6.12	6.21	6.87
140	7.67	7.79	8.17	8.22	7.99	7.64	7.8	7.36	7.49	7.97
142.5	10.01	9.7	9.47	9.33	9.56	8.21	8.06	7.92	7.65	8.26
145	10.05	10.81	10.61	10.31	8.63	8.32	7.19	6.74	7.15	8.24
147.5	9.15	9.11	9.47	8.89	8.49	7.16	5.91	5.92	7.04	7.7
150	4.81	4.83	4.68	5.19	4.72	3.86	3.36	3.38	3.09	4.17
152.5	0.55	0.52	0.4	0.5	0.6	0.3	0.32	0.49	0.38	0.4
155	0	0	0	0	0	0	0	0.01	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : BA-CON-J-HYD-HOR 175MH.IES**

**CANDELA TABULATION - (Cont.)**

167.5	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0

**Vert. Horizontal Angles**

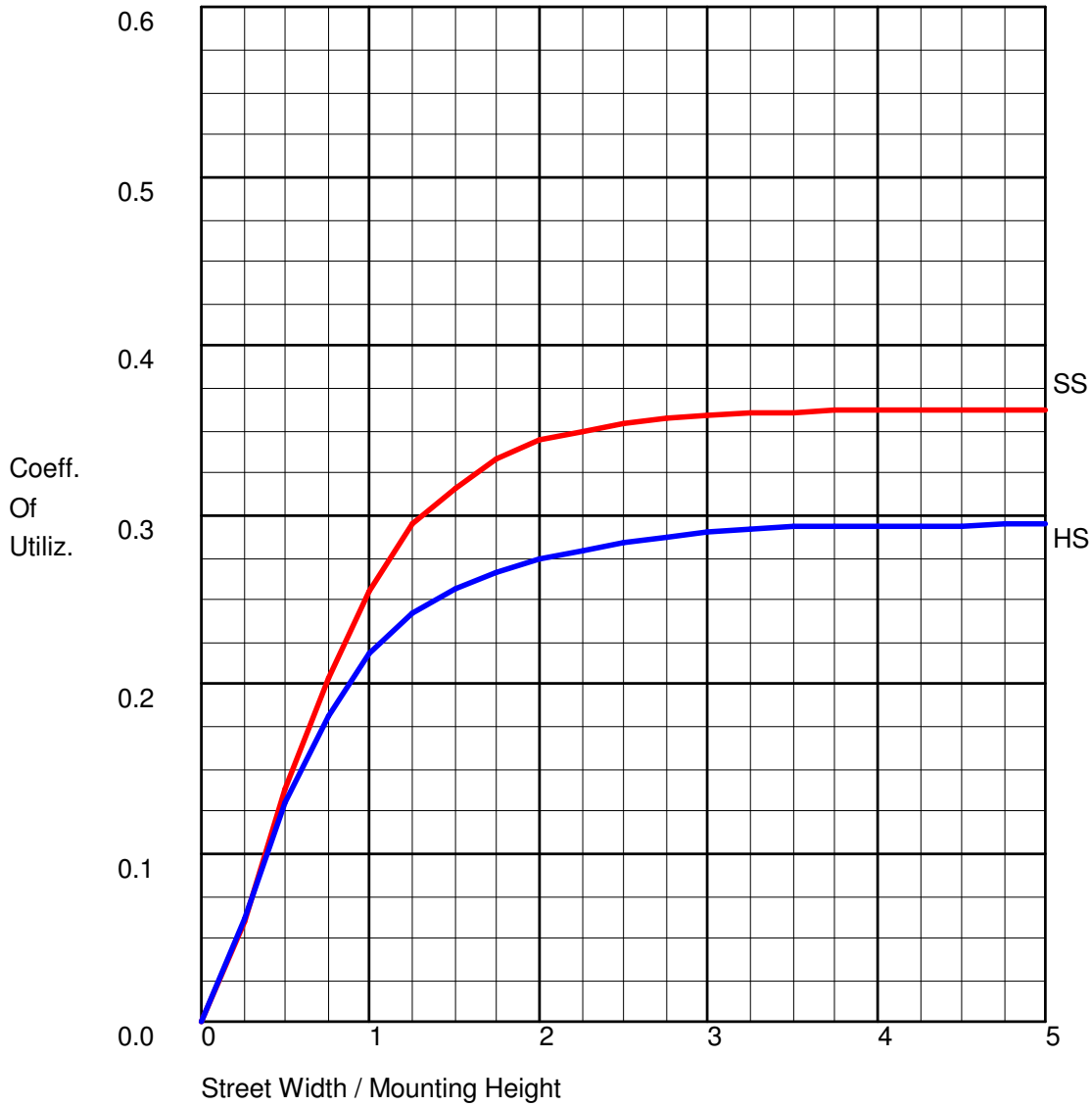
	<b>150</b>	<b>155</b>	<b>160</b>	<b>165</b>	<b>170</b>	<b>175</b>	<b>180</b>
<b>0</b>	192.2	192.2	192.2	192.2	192.2	192.2	192.2
<b>2.5</b>	182.82	175.15	200.75	166.98	174.79	147.57	145.03
<b>5</b>	180.78	197.85	163.81	152.28	155.59	162.41	119.12
<b>7.5</b>	249.81	193.98	208.94	196.06	206.53	197.27	186.08
<b>10</b>	398.42	391.61	360.27	361.59	310.87	287.97	324.54
<b>12.5</b>	466.44	478.2	456.15	411.36	381.24	310.2	366.79
<b>15</b>	883.98	973.13	975.76	940.95	999.59	1000.57	992.33
<b>17.5</b>	1803.13	1848.72	1801.67	1804.23	1768.72	1807.4	1802.27
<b>20</b>	1938.82	1947.71	1982.34	1962.97	2051.63	2003.76	2043.24
<b>22.5</b>	1911.57	1916	2086.94	2162.49	2176.61	2151.35	2165.23
<b>25</b>	1817	1896.16	1969.22	2028.05	2144.29	2194.59	2193.54
<b>27.5</b>	1737.02	1773.82	1921.8	2009.87	2060.15	2099.83	2124.41
<b>30</b>	1726.9	1812.29	1889.54	1966.31	2020.85	2079.39	2138.27
<b>32.5</b>	1802.9	1864.12	1989.98	2008.83	2068.93	2077.22	2132.27
<b>35</b>	2049.47	2092.12	2135.85	2208.18	2127.71	2146.14	2187.29
<b>37.5</b>	2273.71	2249.06	2298.42	2280.01	2206.34	2153.84	2121.41
<b>40</b>	2391.29	2349.52	2333.27	2270.58	2180.26	2069.8	2058.69
<b>42.5</b>	2362.55	2236.74	2214.16	2182.87	2050.28	1973.37	1993.86
<b>45</b>	2186.66	1993.45	2082.57	2004.2	1900.19	1831.45	1805.01
<b>47.5</b>	2052.92	1840.02	1877.99	1788.23	1755.64	1704.1	1694.61
<b>50</b>	1925.03	1693.34	1712.57	1698.17	1592.39	1606.26	1605.5
<b>52.5</b>	1774.22	1558.38	1549.38	1521.24	1500.51	1466.57	1449.48
<b>55</b>	1629.62	1502.2	1466.72	1429.99	1377.61	1395.8	1415.15
<b>57.5</b>	1514.66	1390.71	1335.96	1319.34	1301.69	1321.13	1328.36
<b>60</b>	1403.3	1318.91	1279.3	1251.58	1229.78	1236.21	1253.37
<b>62.5</b>	1310.26	1239.79	1210.86	1203.32	1148.41	1156.78	1163.35
<b>65</b>	1213.77	1171.82	1142.21	1143.39	1092.54	1106.08	1116.78
<b>67.5</b>	1149.25	1106.12	1090.64	1025.56	1032.38	1044.61	1021.65
<b>70</b>	1068.01	1009.73	994.16	963.03	937.06	921.77	921.16
<b>72.5</b>	966.75	899.09	885.04	841.67	806.77	827.75	796.42
<b>75</b>	574.04	543.02	485.05	473.91	449.22	418.71	411.62
<b>77.5</b>	115.86	96.43	89.27	72.24	61.84	53.12	44.2
<b>80</b>	66.87	51.6	41.13	40.61	30.06	24.75	24.18
<b>82.5</b>	39.2	33.6	28.1	23.41	18.06	16.68	14.36
<b>85</b>	21.03	17.86	17.11	12.81	12.52	10.11	10.15
<b>87.5</b>	10.41	9.82	10.06	7.71	6.92	5.33	5.13
<b>90</b>	5.14	5.09	4.28	3.97	3.62	2.79	2.08
<b>92.5</b>	4.02	4.19	3.83	3.42	2.7	2.04	2.22
<b>95</b>	4.32	3.95	3.65	3.31	2.38	2.46	3.08
<b>97.5</b>	3.39	2.92	3.04	2.41	2.41	2.24	3.03
<b>100</b>	1.51	1.62	1.23	1.1	0.79	0.7	0.66
<b>102.5</b>	1.24	1.16	0.91	0.66	0.44	0.45	0.3
<b>105</b>	1.08	0.91	0.71	0.68	0.43	0.33	0.41
<b>107.5</b>	1.04	1	0.88	0.61	0.54	0.36	0.55
<b>110</b>	0.93	1.11	0.66	0.72	0.45	0.46	0.41
<b>112.5</b>	0.9	1.03	0.85	0.89	0.82	0.67	0.74

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : BA-CON-J-HYD-HOR 175MH.IES**

**CANDELA TABULATION - (Cont.)**

115	1.09	0.94	1.02	1.05	0.86	0.99	0.97
117.5	1.57	1.44	1.08	1.29	1	1.22	1.41
120	1.94	1.97	1.77	1.9	1.58	1.52	1.86
122.5	2.43	2.78	2.35	2.76	2.39	2.44	2.68
125	2.83	3.35	3.51	3.53	3.49	3.39	3.91
127.5	4.3	4.8	5	4.71	4.32	4.21	4.21
130	4.57	5.47	5.97	5.27	5.6	5.22	5.32
132.5	5.53	6.46	6.34	6.6	6.9	6.45	6.67
135	6.94	7	7.7	7.52	8.02	8.18	8.35
137.5	8.05	8.43	8.88	9.08	9.16	9.72	9.16
140	8.7	9.5	10.42	10.14	10.14	10.3	12.1
142.5	9.22	10.01	9.44	11.01	10.77	11.46	11.32
145	8.24	9.31	9.71	10.19	10.05	10.28	10.86
147.5	8.04	8.75	8.28	9.71	9.57	9.57	8.84
150	4.42	4.26	5.39	5.07	5.35	5.43	5.71
152.5	0.44	0.63	0.63	0.72	0.61	0.75	0.59
155	0	0.01	0	0	0	0	0
157.5	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0

**COEFFICIENTS OF UTILIZATION**

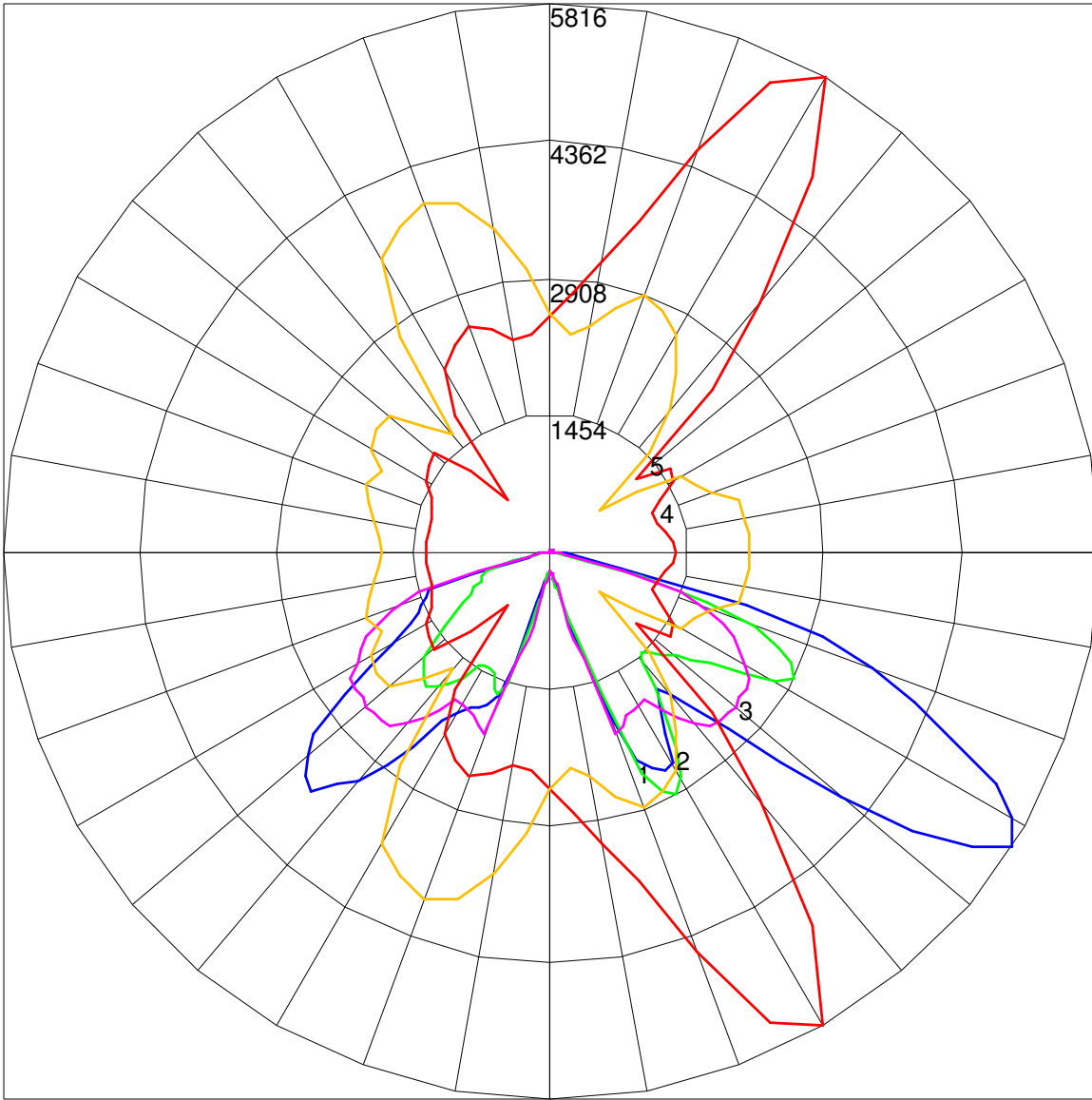


**FLUX DISTRIBUTION**

	Lumens	Percent Of Lamp
Downward Street Side	5086.1	36.3
Downward House Side	4130.9	29.5
Downward Total	9217.0	65.8
Upward Street Side	6.7	0.0
Upward House Side	9.0	0.1
Upward Total	15.7	0.1
<b>Total Flux</b>	<b>9232.7</b>	<b>65.9</b>



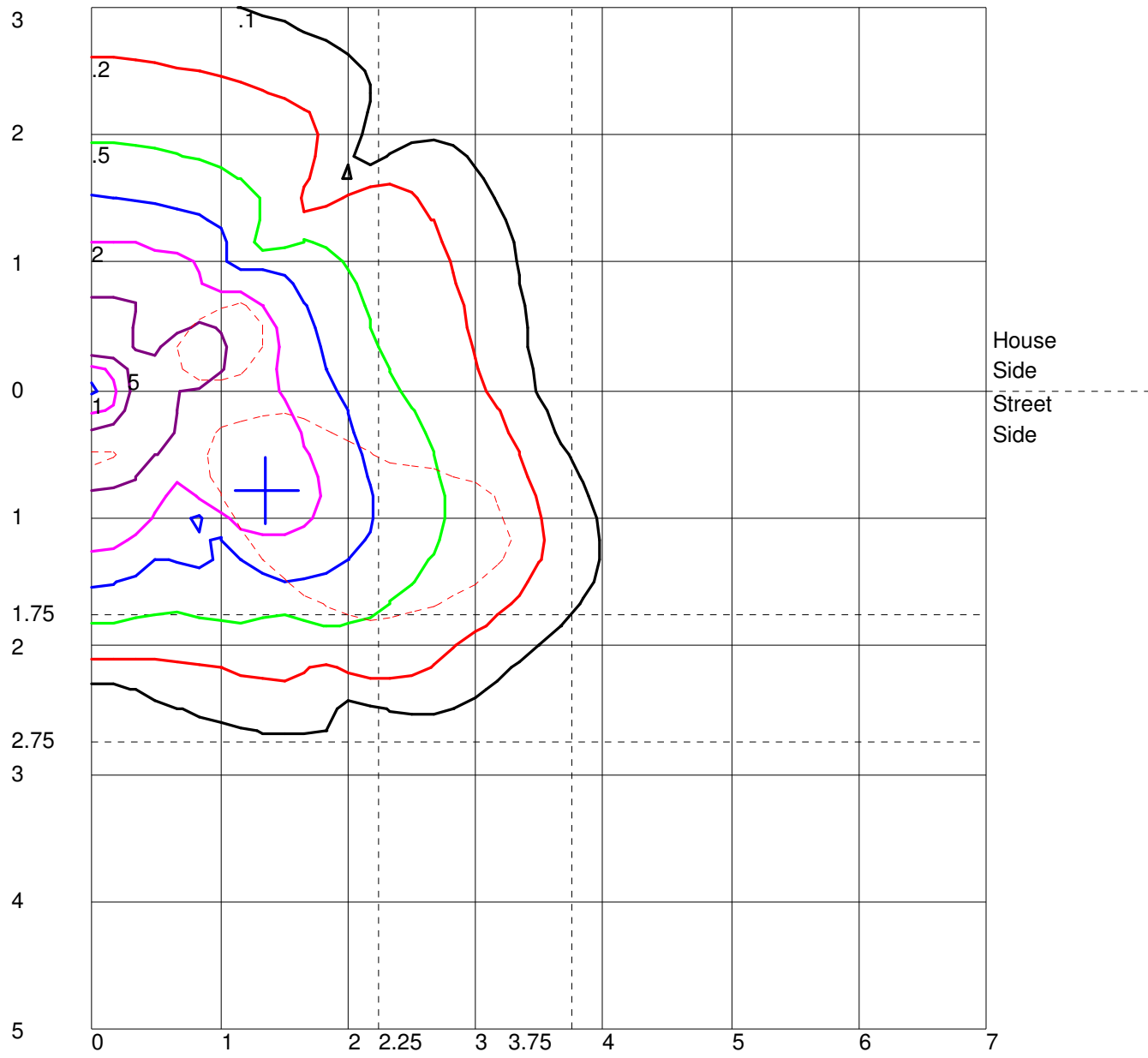
POLAR GRAPH



Maximum Candela = 5815.94 Located At Horizontal Angle = 60, Vertical Angle = 57.5

- # 1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)
- # 2 - Vertical Plane Through Horizontal Angles (45 - 225)
- # 3 - Vertical Plane Through Horizontal Angles (90 - 270)
- # 4 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)
- # 5 - Horizontal Cone Through Vertical Angle (45)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height  
 Values Based On 15 Foot Mounting Height  
 1/2 Maximum Candela Trace Shown As Dashed Curve  
 (+) = Maximum Candela Point