



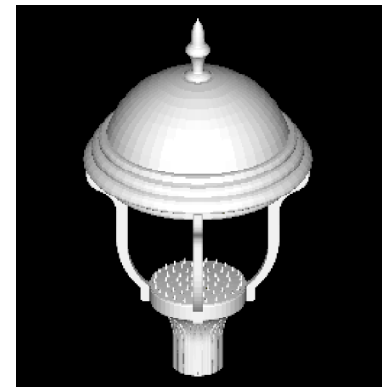
IES ROAD REPORT
PHOTOMETRIC FILENAME : BA-CON-HYD-HOR 175MH.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] Photopia 3.0.0.123 PHOTOMETRIC REPORT
[DATE] Fri Oct 05 11:46:20 2007
[LUMINAIRE] PROJECT: BA-CON-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	5853.83
Maximum Candela Angle	60H 57.5V
Maximum Candela At 90 Degrees Vertical	6.41 (0.05% Lamp Lms)
Maximum Candela At 80 Degrees Vertical	539.82 (3.86% Lamp Lms)
Downward Total Efficiency	65.8%



IES ROAD REPORT
PHOTOMETRIC FILENAME : BA-CON-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>
0	199.03	199.03	199.03	199.03	199.03	199.03	199.03	199.03	199.03	199.03
2.5	205.45	229.43	257.21	248.14	232.72	244.77	208.62	197.99	234.18	213.06
5	332.34	288.08	261.05	294.8	284.22	258.46	239.1	297.7	272.52	253.76
7.5	388.48	330.04	305.58	299.14	332.13	341.11	383.16	332.45	362.41	335.72
10	403.06	380.25	394.05	379.09	402.38	399.62	425.3	425.34	401.98	394.35
12.5	493.84	508.73	504.66	505.25	535.38	529.33	530.62	500.78	482.34	438.79
15	684.83	672.12	752.04	745.91	758.53	770.81	711.24	693.08	698.76	694.73
17.5	1167.05	1204.73	1197.41	1242.26	1249.21	1193.32	1062.62	910.74	993.71	1095.91
20	1656.05	1715.57	1660.76	1727.61	1751.89	1732.85	1598.72	1255.69	1214.6	1555.45
22.5	2725.56	2783.01	2726.19	2729.12	2835.95	2793.08	2686.55	1843.8	1563.63	2497.35
25	3089.48	3107.27	3098.48	3043.95	3096.78	3002.15	2962.07	2202.06	1830.54	2848.46
27.5	3042.12	3024.54	3093.89	3024.59	2984.17	3006.06	2953.71	2280.89	1843.63	2929.06
30	2932.8	2914	2824.62	2817.06	2888.85	2848.25	2859.85	2094.34	1688.05	2780.72
32.5	2651.29	2700.35	2686.08	2637.94	2627.71	2669.52	2568.92	1906.19	1418.12	2497.05
35	2568.25	2518.18	2494.37	2489.51	2411.13	2439.6	2291.04	1761.4	1159.23	2174.15
37.5	2388.59	2321.95	2368.72	2252.38	2229.41	2233.09	2137.83	1523.39	916.18	1782.87
40	2098	2156.88	2127.71	2095.27	2058.62	2105.54	2029.5	1345.18	754.79	1490.81
42.5	2075.58	2084.82	2083.5	2007.24	1914.07	1916.99	1832.6	1235.59	675.39	1433.12
45	2084.51	2123.16	2082.85	2005.87	1829.99	1710.08	1568	1135.88	680.54	1518.58
47.5	2139.04	2161.89	2154.18	1994.23	1624.46	1423.68	1456.78	1053.59	712.87	1621.03
50	1948.24	1970.94	1932.08	1768.42	1393.54	1265.04	1350.86	1063.81	775.69	1719.31
52.5	1621.45	1612.75	1564.52	1414.83	1221.71	1231.18	1317.28	1173.06	839.28	1874.83
55	1491.29	1459.91	1400.36	1279.14	1177.56	1214.4	1435.43	1295.39	985.85	2094.39
57.5	1347.42	1361.36	1266.37	1176.68	1149.32	1234.76	1506.92	1535.88	1213.62	2416.31
60	1121.76	1131.42	1082.33	1047.73	1094.51	1305.51	1610.18	1799.62	1544.06	2733.87
62.5	940.13	906.27	869.83	894.94	975.97	1194.61	1577.59	1983.09	1735.65	2907.87
65	464.88	488.91	536.47	614.24	736.51	965.38	1312.94	1725.29	1701.46	2777.21
67.5	240.32	295.55	389.62	490.77	604.31	783.26	1030.7	1422.47	1491.7	2599.27
70	171.39	272.37	358.97	441.07	564.34	691.44	878.93	1136.66	1116.87	2306.01
72.5	210.46	257.73	348.94	433.24	538.73	626.77	771.85	923.82	693.44	1749.32
75	224.76	233.94	308.45	378.11	467.94	567.74	647.66	751.96	354.07	1036.38
77.5	85.26	92.98	101.58	113.38	129.58	154.46	182.69	194.16	112.63	226.24
80	35.95	43.11	46.83	38.84	40.23	38.53	42.76	41.72	38.5	48.34
82.5	25.94	29.13	30.55	27.04	24.28	21.72	23.62	21.76	22.78	22.02
85	6.3	8.72	8.59	9.27	10.33	10.65	12.43	11.61	11.98	9.83
87.5	4.61	5.44	5.44	5.68	5.32	5.9	7.26	7.08	8.68	4.95
90	2.31	2.18	2.35	2.12	1.86	2.06	3.38	4.9	5.98	2.28
92.5	1.02	1.61	1.56	1.54	1.21	1.79	2.74	4.8	6.03	2.19
95	1.19	1.3	1.4	0.99	1.1	1.63	2.66	4.64	6.31	2.07
97.5	0.99	1.28	1.05	1.04	0.97	1.35	2.63	3.96	5.11	1.86
100	1.04	1.08	0.87	0.7	0.97	1.01	1.7	2.9	3.95	1.51
102.5	0.9	0.86	0.86	0.59	0.88	1.21	1.62	2.6	3.91	1.59
105	1.02	0.93	1.06	0.83	0.76	0.88	1.49	2.48	3.2	1.26
107.5	0.98	0.86	0.83	0.61	0.91	1.07	1.53	2.17	2.88	1
110	0.84	0.7	0.7	0.87	0.8	1.07	1.26	1.79	2.53	0.84
112.5	1.06	0.72	0.75	0.82	0.75	0.93	1.07	1.55	2.36	0.82
115	0.85	0.92	0.88	0.73	0.68	0.74	0.91	1.51	1.74	0.69
117.5	0.97	0.99	0.85	0.69	0.56	0.57	0.92	1.57	1.59	0.6
120	0.94	0.73	0.66	0.59	0.57	0.59	0.93	1.27	1.41	0.5
122.5	1.04	0.88	0.85	0.64	0.74	0.66	0.8	1.08	1.55	0.58
125	1.17	1.09	0.88	0.85	0.81	0.83	1.04	0.98	1.2	0.68
127.5	1.24	1.31	1.43	1.22	1.24	1.13	0.98	1.17	1.16	0.74
130	1.98	1.75	1.78	1.47	1.5	1.59	1.26	1.03	1.13	1.12

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

CANDELA TABULATION - (Cont.)

132.5	2.79	2.58	2.53	2.65	2.27	2.45	2.04	1.62	1.51	1.62
135	3.88	3.71	4.06	3.98	3.59	3.58	3.36	2.49	2.62	2.54
137.5	6.53	5.82	5.61	5.68	5.64	5.15	4.56	3.92	3.51	3.25
140	7.73	7.74	7.38	7.73	7.78	7.12	6.92	5.77	5.27	4.92
142.5	10.11	9.67	9.7	9.41	9.27	9.45	9.02	7.01	6.43	6.6
145	10.84	10.65	10.44	11.43	10.41	10.28	9.04	7.88	7.3	7.65
147.5	9.28	8.96	9.44	9.26	9.32	9.36	8.31	7.17	5.96	6.66
150	3.6	4.03	3.76	4.09	3.86	3.79	3.57	3.25	2.61	3.15
152.5	0.35	0.37	0.56	0.45	0.22	0.3	0.36	0.29	0.23	0.27
155	0	0	0	0	0	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. 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	199.03	199.03	199.03	199.03	199.03	199.03	199.03	199.03	199.03	199.03
2.5	259.21	214.38	231.58	252.74	226.23	228.31	257.85	248.14	267.31	209.09
5	294.52	303.49	287.79	257.66	236.92	310.06	251.64	263.96	293.7	261.1
7.5	351.05	346.37	291.74	319.45	329.82	296.26	304.13	327.01	284.07	287.53
10	398.74	416.35	342.28	340.49	348.57	360.07	349.48	349.87	360.54	358.15
12.5	471.71	478.43	519.94	520.39	571.54	664.9	653.91	739.24	775.2	839.94
15	819.41	827.44	888.93	930.48	1000.99	985.44	988.34	964.59	977.1	930.43
17.5	1127.35	1090.94	1084.48	1061.49	1098.63	1045.1	1111.95	1174.73	1268.02	1337.25
20	1708.35	1757.69	1851.77	1928.49	2022.47	2065.57	2122.73	2108.32	2043.44	2013.52
22.5	2593.8	2513.37	2349.07	2298.35	2213.46	2206.97	2171.03	2060.66	1967.21	1929.54
25	2923.57	2675	2524.55	2338.08	2210.18	2101.56	2081.77	1926.55	1953.34	1851.94
27.5	3096.76	2842.54	2562.69	2327.1	2177.14	2042.29	2002	1930.74	1873.36	1837.08
30	2980.42	2837.04	2529.97	2331.7	2113.35	2007.62	1890.54	1859.99	1819.23	1876.97
32.5	2672.51	2499.24	2205.54	2145.23	1999.87	1937.58	1923.1	1887.58	1912.73	2044.04
35	2273.28	2097.19	2023.35	1967.57	1983.31	2071.4	2005.18	1986.16	2047.56	2335.44
37.5	1891.92	1856.14	1886.14	1917.55	2081.26	2148.21	2137.82	2054.37	2240.66	2658.12
40	1763.24	1857.41	1957.54	2133.67	2236.48	2279.32	2283.53	2149.01	2403.66	2948.1
42.5	1776.68	2031.57	2254.87	2405.96	2538.07	2584.09	2339.72	2276.78	2509.18	3029.32
45	1979.9	2357.07	2670.63	2822.75	2805.23	2683.28	2404.68	2287.82	2553.8	3017.07
47.5	2211.22	2774.03	3298.24	3406.94	3240.37	2929.47	2489.23	2335.8	2573.41	2924.98
50	2486.49	3362.55	4056.29	4132.56	3740.44	3141.37	2611.42	2403.7	2541.46	2780.15
52.5	2784.2	4013.05	4837.86	4802.49	4214.23	3461.17	2814.68	2556.75	2531.09	2623.27
55	3111.76	4539.64	5560.66	5341.71	4499.72	3618.19	2998.51	2752.43	2545.1	2481.05
57.5	3481.45	4882.84	5853.83	5534.91	4539.48	3576.51	3170.01	2819.25	2493.86	2322.19
60	3795.26	4921.33	5768.73	5352.29	4312.73	3536.42	3041.7	2704.97	2367.38	2189.51
62.5	3857	4651.13	5261.55	5056.32	4159.98	3385.71	2911.04	2547.71	2263.93	1994.88
65	3718.86	4315.11	4749.76	4559.8	3904.77	3180.71	2676.75	2443.16	2146.49	1872.72
67.5	3448.48	3877.72	4190.73	4095.01	3549.74	2977.64	2720.13	2381.21	1986.43	1692.52
70	2976.96	3372.24	3608.7	3634.71	3347.87	3040.28	2710.25	2239.96	1776.12	1547.06
72.5	2433.84	2680.42	3072.84	3357.9	3275.61	3108.31	2543.74	1861.35	1462.42	1365.46
75	1563.49	1779.56	2172.04	2585.89	2707.09	2338.33	1659.22	1055.61	768	697.22
77.5	391.04	515.67	762.26	1147.23	1384	1138.36	702.5	392.94	280.89	243.8

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

80	73.27	133.66	233.3	434.43	539.82	477.7	302.6	198.13	158.36	159.74
82.5	39.77	72.37	163.11	286.61	309.71	234.47	154.34	109.23	102.49	111.38
85	16.41	41.19	100.25	198.07	196.46	137.77	75.01	42.15	40.38	48.13
87.5	8.04	11.19	35.2	57.38	56.73	33.53	13.62	8.6	7	10.46
90	4.7	3.49	2.41	1.54	1.22	1.28	1.57	1.79	1.66	1.72
92.5	4.52	3.18	2.08	1.56	0.87	0.94	1.21	1.01	1.92	1.41
95	4.94	2.98	1.94	1.36	1.24	0.92	0.78	1.11	1.25	1.74
97.5	4.08	2.72	1.67	1.3	0.85	0.83	0.63	1.07	1.63	1.48
100	2.91	2.18	1.46	1.53	0.86	0.54	0.68	0.8	1.07	1.29
102.5	2.75	2.04	1.32	0.97	0.79	0.55	0.41	0.69	1.17	1.2
105	2.92	1.54	1.31	1.17	0.54	0.58	0.62	0.59	1.02	0.8
107.5	2.4	1.92	1.4	1.07	0.79	0.57	0.63	0.58	0.89	0.93
110	2.25	1.87	1.16	1.01	0.74	0.51	0.62	0.57	0.84	0.56
112.5	1.96	1.37	1.27	0.87	0.74	0.57	0.55	0.63	0.58	0.76
115	1.75	1.45	0.99	0.78	0.57	0.64	0.49	0.74	0.67	0.63
117.5	1.71	1.32	1.05	0.73	0.61	0.39	0.6	0.49	0.73	0.67
120	1.44	1.18	0.98	0.75	0.56	0.48	0.42	0.59	0.9	0.71
122.5	1.44	1.35	1.13	0.76	0.6	0.54	0.47	0.72	0.78	0.76
125	1.39	1.16	0.89	0.87	0.65	0.61	0.69	0.66	0.87	0.68
127.5	1.08	1.01	1.08	0.8	0.96	0.96	1.14	0.89	0.98	1.02
130	1.2	1.02	1.02	1.25	1.22	1.03	1.08	1.06	1.4	1.77
132.5	1.78	1.68	1.66	1.9	1.7	1.71	1.85	1.9	2.24	2.35
135	2.83	2.52	2.47	2.48	2.79	2.64	2.65	3.29	3.07	3.54
137.5	4.09	4.2	3.93	4.11	4.79	4.3	4.41	4.41	4.31	5.11
140	5.6	6.24	6.22	6.4	5.81	6.69	6.88	6.26	7.05	6.51
142.5	7.25	7.97	7.91	8.21	7.79	8.58	8.59	8.74	8.42	9.31
145	8.84	9.61	9.52	9.33	10.61	10.45	10.47	10.66	10.81	10
147.5	8.19	8.05	8.5	9.37	10.58	9.58	10.64	10.06	9.79	10.4
150	3.22	3.16	4.44	3.76	4.12	4.87	5.19	4.71	5.18	5.2
152.5	0.24	0.29	0.33	0.47	0.42	0.63	0.5	0.53	0.96	0.65
155	0	0	0	0	0	0	0	0	0	0
157.5	0.01	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>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	199.03	199.03	199.03	199.03	199.03	199.03	199.03	199.03	199.03	199.03
2.5	197.22	234.39	252.32	240.34	247.1	210.42	223.82	182.33	184.74	194.31
5	248.58	206.05	263.15	216.32	239.46	251.6	204	226.89	200.17	202.26
7.5	282.76	282.56	278.54	312.79	285.26	294.87	254.59	225.27	227.85	225.1
10	440.73	428.45	381.87	356.64	328.92	333.07	422.9	495.14	436.59	421.62
12.5	789.25	783.71	696.65	553.03	390.09	384.73	470.74	533.41	510.97	468.37
15	875.7	859.68	774.01	748.69	581.48	473.62	554.48	760.72	783.23	865.09
17.5	1410.81	1440.22	1594.28	1552.48	1216.35	628.52	699.53	1457.37	1792.03	1745.91
20	1985.94	1950.03	1896.17	1830.92	1618.66	855.16	710.43	1604.18	1977.66	2024.39
22.5	1872.71	1886.32	1832.14	1814.81	1776.73	1039.1	725.43	1571.67	1902.98	1942.16
25	1883.12	1839.79	1870.96	1815.36	1870.5	1148.67	665.13	1493.39	1817.89	1818.72

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

CANDELA TABULATION - (Cont.)

27.5	1857.38	1902.29	1895.03	1949.31	1841.74	1252.95	643.76	1392.59	1789.98	1771.8
30	1993.88	2065.28	2102.65	2028.11	1931.48	1404.12	669.64	1434.51	1766.3	1721.44
32.5	2293.07	2438.15	2421.8	2304.39	2131.24	1541.19	754.73	1438.07	1817.31	1759.97
35	2670.43	2872.72	2802.64	2712.2	2482.22	1814.63	987.06	1615.7	2041.04	1941.47
37.5	3088.24	3329.8	3246.76	3108.15	2906.7	2220.36	1299.49	1759.99	2196.73	2260.87
40	3334.23	3603.81	3540.31	3417.4	3112.24	2466.52	1444.02	1878.46	2233.67	2282.42
42.5	3478.45	3732.53	3786.76	3599.57	3431.25	2650.67	1594.91	1886.7	2238.75	2291.68
45	3494.52	3776.79	3927.16	3789.72	3548.42	2745.04	1633.31	1889.67	2208.74	2258.06
47.5	3356.53	3665.45	3905.38	3760.63	3499.06	2750.5	1597	1850.21	2149.59	2177.04
50	3096.89	3425.71	3650.27	3656.47	3350.17	2608.29	1430.47	1698.33	2045.64	2021.15
52.5	2873.32	3148.65	3309.67	3370.4	3067.67	2346.76	1225.59	1520.54	1932.2	1858.22
55	2566.75	2795.93	2925.9	2887.61	2637.25	2005	955.45	1355.52	1734.53	1742.34
57.5	2318.67	2447.97	2498.8	2455.47	2249.53	1713.98	708.54	1189.39	1573.63	1607.12
60	2063.87	2115.34	2124.05	2037.93	1897.42	1520.62	533.41	1063.7	1483.73	1424.83
62.5	1895.05	1837	1794.09	1786.17	1671.54	1387.12	426.21	958.94	1370.22	1317.5
65	1715.36	1655.15	1624.97	1657.68	1519.29	1306.2	391.69	869.67	1266.07	1244.97
67.5	1547.95	1563.31	1554.17	1481.4	1469.68	1278.2	365.53	832.59	1184.64	1170.41
70	1481.65	1420.42	1434.7	1423.09	1412.2	1268.45	389.59	767.02	1138.99	1102.25
72.5	1331.84	1311.19	1343.34	1333.71	1326.07	1229.63	424.64	688.9	1051.05	1002.31
75	748.11	808.38	878.9	896.96	844.3	787.64	352.81	401.44	641.19	601.42
77.5	258.19	260.26	262.54	254.62	228.26	204.77	161.9	130.59	132.27	135.9
80	173.24	191.34	190.76	183.57	175.99	152.33	130.46	99.97	85.26	80.28
82.5	128.4	141.29	161.34	150.93	133.5	113.65	84.49	66.29	54.48	51.03
85	64.5	87.13	93.51	86.57	74.62	53.96	39.71	24.62	20.6	24.89
87.5	14.58	19.91	24.56	26.87	18.67	19.68	17.02	8.07	11.02	11.96
90	2	2.28	2.26	2.32	3.75	5.54	6.41	2.76	5.58	5.53
92.5	1.58	2.02	1.89	2.13	2.97	4.76	5.71	1.85	5.23	4.4
95	1.48	1.62	1.67	2.11	3.19	4.91	6.06	2.3	5.26	4.59
97.5	1.38	1.32	1.36	1.88	2.7	3.8	4.9	1.86	3.98	3.35
100	1.15	1.04	1.16	1.42	1.79	3.1	3.11	1.25	2.37	1.59
102.5	1.12	1.04	1.08	1.21	1.75	2.86	3.22	1.27	1.85	1.48
105	1.01	0.88	1.09	1.25	1.78	2.09	3.07	1	1.77	1.21
107.5	0.84	0.88	0.85	1.01	1.54	2.1	2.32	0.77	1.62	1.12
110	0.75	0.7	0.94	1.23	1.29	1.95	2.03	0.75	1.55	1.06
112.5	1.08	0.73	1.05	1.03	1.09	1.66	1.93	0.7	1.52	1.17
115	0.84	0.72	0.79	0.9	1.19	1.99	1.8	0.81	1.56	1.27
117.5	0.77	0.87	0.53	0.85	1.09	1.76	1.89	1.26	1.57	1.47
120	0.54	0.62	0.81	1.23	1.48	1.9	2.18	1.29	1.9	1.75
122.5	0.66	0.79	1.31	1.56	1.93	2.28	2.18	1.71	1.87	2.51
125	0.89	1.05	1.5	1.87	2.17	2.3	2.72	2.18	2.51	2.61
127.5	1.39	1.57	2.12	2.41	3.03	3.32	3.29	3.2	2.96	3.78
130	2.31	2.21	2.59	3.04	3.93	3.67	3.8	3.71	3.42	4.47
132.5	2.9	2.92	3.89	4.19	5.06	4.89	4.3	4.38	4.58	5.11
135	3.84	4.58	4.65	5.04	5.65	4.87	5.23	5.08	5.17	5.91
137.5	5.54	5.9	6.04	6.29	7.12	7.31	6.8	6.05	5.97	6.87
140	7.53	7.5	7.71	8.48	8.54	9.14	6.99	7.55	7.11	7.95
142.5	9.04	9.67	9.6	8.82	9.19	9.1	7.9	7.89	7.92	7.79
145	10.03	10.5	9.69	10.17	9.01	7.49	7.06	6.49	7.83	8.37
147.5	10.21	9.08	9.39	8.69	7.69	5.91	5.87	5.7	6.75	7.19
150	5.13	4.77	5.32	4.57	4.67	3.75	3.18	3.33	3.81	4.26
152.5	0.47	0.56	0.57	0.49	0.52	0.29	0.33	0.39	0.31	0.55
155	0	0	0	0	0	0	0	0	0.01	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-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. Angles **Horizontal Angles**

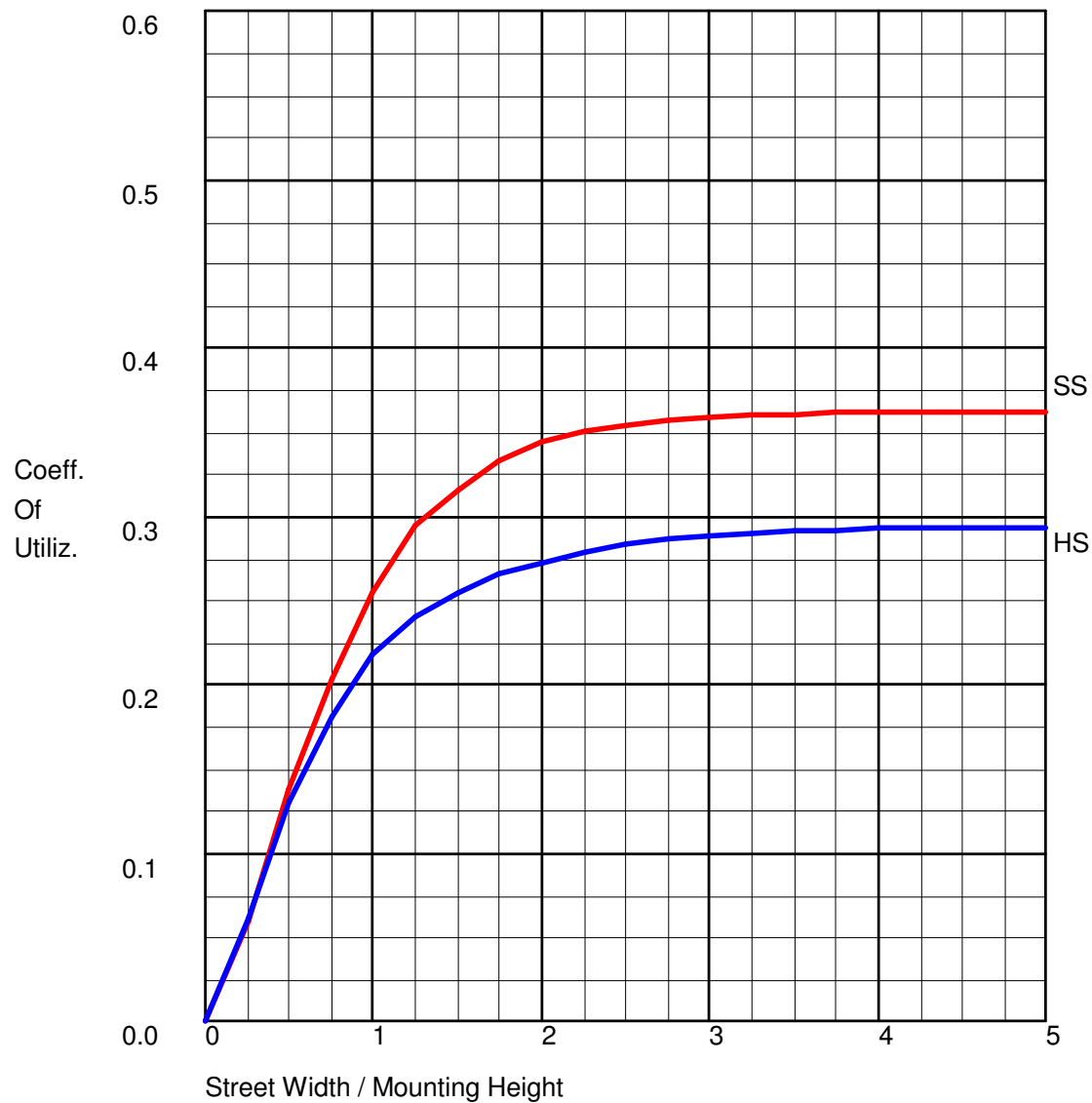
	150	155	160	165	170	175	180
0	199.03	199.03	199.03	199.03	199.03	199.03	199.03
2.5	184	166.78	166.26	179.63	171.22	170.1	136.37
5	189.37	167.49	145.99	180.16	169.11	175.98	143.81
7.5	227.61	222.81	215.59	194.64	208.91	207.98	207.89
10	393.4	386.75	385.69	380.83	299.44	293.54	296.03
12.5	461.26	455.71	434.54	440.4	389.94	366.82	359.12
15	884.24	921.58	996.38	1000.31	979.93	941.26	1003.16
17.5	1799.63	1825.76	1819.34	1821.35	1810.61	1816.91	1801.23
20	1918.2	1948.2	1996.25	1985.52	2014.73	2040.46	2046.88
22.5	1919.94	1968.21	2012.9	2112.61	2179.21	2136.64	2202.12
25	1832.56	1831.14	2013.41	2036.28	2107.65	2193.52	2162.74
27.5	1715.45	1835.25	1896.4	2010.25	2067.76	2131.86	2084.03
30	1742.05	1784.06	1901.97	1953.44	2011.26	2086.4	2150.13
32.5	1807.91	1861.81	1936.48	2019.13	2043.1	2125.04	2127.86
35	2018.08	2096.01	2168.49	2163.31	2154.81	2181.69	2210.37
37.5	2285.03	2303.49	2300.62	2278.3	2160.4	2166.98	2099.74
40	2353.3	2338.89	2374.62	2243.02	2179.21	2024.76	2063.46
42.5	2349.05	2194.84	2205.44	2187.36	2071.41	1994.98	1965.73
45	2213.35	2061.37	2076.83	1980.86	1911.29	1876.77	1818.5
47.5	2057.75	1861.88	1893.79	1812.72	1715.52	1723.02	1722.74
50	1943.19	1691	1705.62	1685.63	1615.11	1557.69	1618.8
52.5	1780.75	1548.73	1543.11	1505.03	1474.26	1461.26	1460.99
55	1626.82	1467.09	1482.4	1414.35	1376.87	1390.85	1399.35
57.5	1499.93	1375.18	1336.33	1318.56	1297.13	1309.68	1354.64
60	1389.54	1305.37	1290.85	1242.08	1205.14	1224.08	1227.3
62.5	1293.4	1217.95	1213.03	1176.21	1169.47	1158.05	1144.8
65	1209.73	1173.85	1146.68	1114.96	1077.41	1106.95	1082.06
67.5	1146.29	1114.25	1042.51	1058.47	1019.16	1034.97	1009.83
70	1059.15	1007.77	990.87	935.67	935.67	938.25	934.32
72.5	970.03	890.41	863.86	836.82	822.8	805.95	793.19
75	560.12	535.95	486.28	473.3	442.18	408.92	390.02
77.5	109.68	87.24	78.5	69.94	57.71	53.11	51.41
80	68	54.49	42.5	36.83	29.48	18.99	20.51
82.5	39.55	35.74	27.97	20.17	17.23	14.52	12.39
85	22.66	19.62	16.49	13.23	11.05	10.32	11.42
87.5	10.88	9.77	9.52	8.26	7.28	5.53	4.47
90	4.86	5.33	4.47	3.82	3.11	2.45	1.98
92.5	3.99	4.3	3.56	3.36	2.79	2.19	2.43
95	4.25	4.01	3.75	3.36	2.55	2.48	2.67
97.5	3.36	3.17	3.07	2.46	2.22	2.8	2.37
100	1.49	1.52	1.24	1.17	0.7	0.8	0.94
102.5	1.03	0.99	0.88	0.7	0.42	0.48	0.29
105	0.94	0.88	0.98	0.56	0.47	0.45	0.43
107.5	1.02	0.93	0.91	0.63	0.56	0.51	0.38
110	0.95	0.87	0.71	0.69	0.61	0.66	0.34
112.5	0.83	0.93	1.06	0.8	0.77	0.53	0.49

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

CANDELA TABULATION - (Cont.)

115	1.15	1.32	1.11	1.02	0.81	0.88	1.06
117.5	1.44	1.55	1.26	1.14	1.31	1	1.28
120	1.85	1.92	1.84	1.82	1.75	1.93	1.63
122.5	2.33	2.4	2.29	2.43	2.36	2.56	2.39
125	3.16	3.18	3.36	3.31	3.23	3.23	3.33
127.5	3.9	4.39	4.51	4.62	4.13	4.01	3.71
130	5.13	5.25	5.41	5.99	5.36	5.39	5.24
132.5	5.47	5.81	6.77	6.44	6.38	7.01	6.83
135	6.59	6.97	8.12	8.69	8.14	7.41	7.92
137.5	8.37	8.57	8.71	9.21	9.36	9.12	9.08
140	8.53	9.76	9.92	9.91	10.89	10.73	10.54
142.5	8.64	9.61	10	10.37	10.21	11.43	11.27
145	9.15	9.23	10.54	10.48	10.47	10.09	10.15
147.5	8.48	8.82	8.4	8.55	8.63	8.51	8.96
150	4.45	5	5.35	4.73	5.17	5.2	5.39
152.5	0.79	0.53	0.6	0.66	0.56	0.67	0.56
155	0.01	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

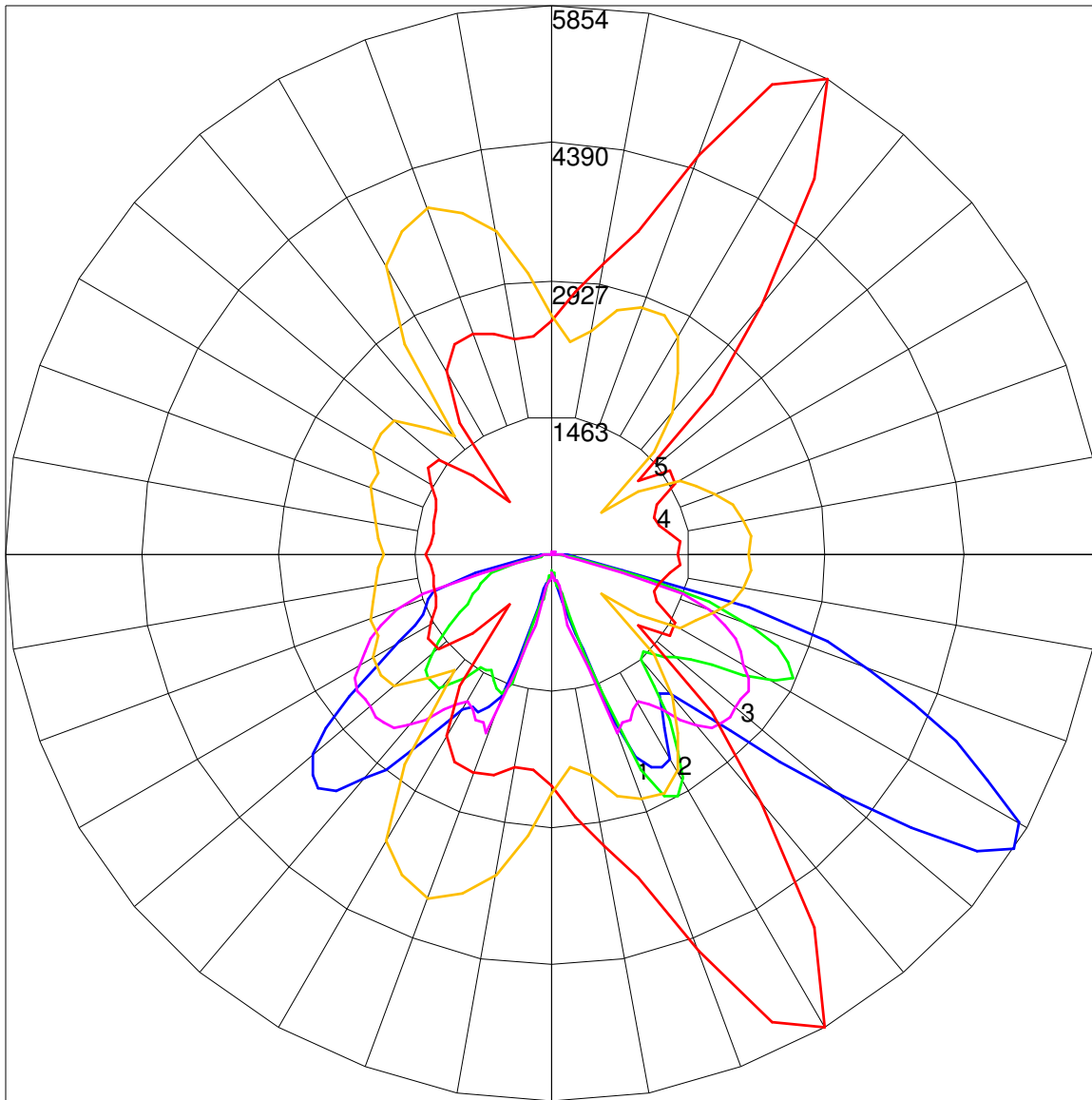
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Lamp
Downward Street Side	5089.1	36.4
Downward House Side	4117.1	29.4
Downward Total	9206.2	65.8
Upward Street Side	6.7	0.0
Upward House Side	9.0	0.1
Upward Total	15.7	0.1
Total Flux	9221.9	65.9

POLAR GRAPH



Maximum Candela = 5853.83 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

