



IES ROAD REPORT

PHOTOMETRIC FILENAME : BA-PEN-HYD-HOR 175MH.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-1995

[TEST] Photopia 3.0.0.123 PHOTOMETRIC REPORT

[DATE] Mon Oct 08 09:11:55 2007

[LUMINAIRE] PROJECT: BA-PEN-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	5855.01
Maximum Candela Angle	60H 57.5V
Maximum Candela At 90 Degrees Vertical	7 (0.05% Lamp Lms)
Maximum Candela At 80 Degrees Vertical	554.86 (3.96% Lamp Lms)
Downward Total Efficiency	65.6%



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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	10	15	20	25	30	35	40	45
0	197.85	197.85	197.85	197.85	197.85	197.85	197.85	197.85	197.85	197.85
2.5	257.92	242.24	256.36	243.55	234.55	210.56	262.69	268.11	274.84	255.82
5	262.71	270.94	257.81	232.5	290.03	268.7	298.57	259.4	265.63	288.44
7.5	338.55	346.83	317.46	334.01	357.84	341.39	360.84	350.2	355.77	365.31
10	401.27	400.98	361.45	438.81	459.6	440.94	395.29	441.06	430.45	432.48
12.5	504.21	446.25	492.88	531.78	544.42	539.58	516.72	502.98	471.36	504.76
15	626.21	659.25	720.41	726.63	760.33	742.99	678.07	674.49	717.71	756.31
17.5	1192.67	1161.07	1244.59	1258.89	1248.66	1150.37	1045.1	908.6	1024.97	1085.06
20	1690.8	1701.18	1715.92	1698.64	1737.76	1698.2	1557.37	1262.44	1289.21	1585.27
22.5	2708.18	2773.27	2709.79	2814.12	2790.13	2809.93	2689.43	1872.78	1593.12	2522.49
25	3121.85	3108.95	2985.55	3024.51	3062.56	2988.6	2998.39	2166.79	1834.5	2823.6
27.5	3133.18	3104.34	3024.16	3025.98	3000.86	3004.18	3014.67	2346.95	1826.1	2902.87
30	2888.22	2891.9	2909.59	2876.03	2831.3	2857.06	2831.16	2196.61	1648.93	2780.76
32.5	2708.55	2697.59	2695.02	2662.03	2605.74	2608.23	2573.59	1907.81	1399.05	2444.8
35	2559.26	2531.43	2483.24	2454.13	2426.28	2423.07	2381.55	1714.18	1160.23	2148.49
37.5	2321.02	2369.1	2344.95	2276.7	2211.59	2233.23	2116.73	1511.47	895.54	1813.63
40	2137.02	2157.11	2156.3	2091.65	2014.96	2050.13	2006.3	1346.08	757.83	1503.38
42.5	2118.03	2092.58	2092.05	2030.07	1911.08	1924.87	1811.61	1221.99	655.87	1430.66
45	2090.82	2135.3	2127.59	2071.26	1791.51	1694.8	1570.32	1099.28	697.23	1503.1
47.5	2131.71	2156.41	2107.47	1974.77	1645.03	1491.22	1442.44	1058.63	728.8	1620.22
50	1953.68	1946.57	1883.08	1714.39	1368.08	1293.51	1344.25	1058.85	755.43	1741.66
52.5	1648.31	1644.93	1552.79	1420.93	1204.24	1194.62	1344.95	1156.53	834.86	1849.95
55	1475.18	1483.34	1389.05	1259.49	1187.92	1240.16	1419.01	1304.98	968.5	2114.42
57.5	1337.92	1314.31	1272.06	1179.16	1160.33	1265.73	1517.06	1572.38	1210.21	2391.51
60	1119.37	1132.97	1059.93	1057.56	1081.35	1279.32	1616.02	1860.24	1489.26	2755.79
62.5	898.57	891.74	842.45	892.23	975.92	1199.75	1591.86	1944.18	1667.52	2897
65	449.04	456.2	533.46	614.1	722.27	923.97	1300.46	1718.95	1687.98	2779.39
67.5	258.98	294.24	394	492.31	599.17	739.38	1043.49	1392.12	1451.79	2572.54
70	172.14	271.33	357.66	456.75	573.79	694.07	875.69	1134.08	1095.02	2255.62
72.5	231.08	250.78	349.84	439.66	526.18	621.66	761.9	910.53	694.8	1712.81
75	201.82	230.56	291.98	373.33	459.43	550.78	631.93	714.7	345.07	975.16
77.5	72.88	82.02	95.08	96.58	109.2	132.59	150.16	151.83	114.48	206.06
80	33.93	42.28	42.02	42.13	36.57	39.74	40.1	40.08	39.25	41.39
82.5	28.01	27.31	30.66	23.9	23.96	25.07	22.67	21.69	20.39	20.47
85	6.38	7.2	9.25	9.4	9.63	10.49	11.6	11.91	12.04	7.17
87.5	4.82	4.84	5.2	5.55	5.45	5.5	6.45	7.46	9.16	4.74
90	3.18	2.5	2.58	2.35	1.91	2.57	3.31	5.33	6.49	2.42
92.5	1.35	1.89	1.42	1.3	1.45	1.73	2.98	4.65	6.4	1.87
95	1.56	1.43	1.2	1.18	1.07	1.93	2.81	4.84	6.29	2.09
97.5	1.32	0.96	0.96	0.79	1.04	1.36	2.39	3.81	5.37	1.96
100	1.11	0.99	0.92	0.92	0.86	1.2	1.44	2.72	3.57	1.37
102.5	1.2	0.98	0.91	0.79	0.92	0.82	1.51	2.35	3.8	1.54
105	0.54	0.88	0.91	0.67	0.77	1.06	1.33	2.52	3.46	1.13
107.5	0.87	0.92	0.8	0.68	0.84	0.97	1.41	2.3	2.8	0.83
110	1.26	0.91	0.7	0.6	0.89	1.11	1.22	2.01	2.65	0.84
112.5	0.68	0.88	0.82	0.8	0.96	0.99	1.13	1.75	2.35	0.67
115	1.05	0.66	0.71	0.85	0.73	0.76	0.96	1.59	1.77	0.6
117.5	0.94	0.74	0.73	0.63	0.48	0.74	0.86	1.26	1.76	0.59
120	1.05	0.93	0.66	0.63	0.55	0.72	0.88	1.23	1.3	0.56
122.5	0.78	1.01	0.75	0.5	0.58	0.63	0.89	1.25	1.04	0.68
125	1.15	0.97	0.88	0.8	0.69	0.85	0.79	1.18	1.15	0.6
127.5	1.42	1.27	1.12	1.06	1.38	1.3	1.16	1.07	0.84	0.9
130	1.42	1.39	1.87	1.59	1.46	1.34	1.28	1.06	1.01	1.21

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CANDELA TABULATION - (Cont.)

132.5	3.25	2.56	2.52	2.67	2.31	2.38	1.83	1.58	1.45	1.62
135	4.05	3.93	3.84	3.83	3.56	3.27	2.68	2.65	2.7	2.41
137.5	5.53	5.54	5.22	5.65	5.5	4.84	4.86	4.26	3.53	3.35
140	7.25	8.07	7.97	7.74	7.8	6.97	6.33	5.38	4.86	5.04
142.5	11.15	9.93	9.89	10.11	9.52	9.9	8.46	7.14	6.18	6.86
145	11.24	10.97	10.68	10.4	11.7	9.87	9.94	7.56	6.91	7.53
147.5	9.78	9.2	9.36	8.69	9.02	8.57	7.85	7.49	5.92	6.7
150	4.66	3.86	4.13	3.93	4.02	3.81	3.6	2.9	2.22	2.39
152.5	0.43	0.48	0.3	0.38	0.26	0.38	0.27	0.35	0.22	0.34
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
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	197.85	197.85	197.85	197.85	197.85	197.85	197.85	197.85	197.85	197.85
2.5	242.42	235.04	183.26	238.98	177.3	226.74	224.66	249.71	178.74	242.56
5	264.76	283.94	261.27	315.31	281.45	287.27	251.07	288.01	256	220.71
7.5	343.31	343.04	327.35	348.32	339.97	297.12	289.18	294.57	296.82	294.52
10	413.75	384.76	352.68	339.84	337.86	353.15	351.21	348.6	360.28	371.04
12.5	469.29	467.67	491.64	498.29	591.96	661.25	702.29	774.61	808.28	763.52
15	863.67	875.38	904.08	983.5	1003.91	998.76	986.64	960.06	937.62	893.19
17.5	1122.43	1037.04	1093.15	1086.25	1090.11	1074.84	1130.76	1191.57	1253.71	1318.38
20	1737.74	1798.8	1883.94	1946.83	2097.82	2119.56	2145.02	2070.68	2065.13	2052.54
22.5	2631.48	2509.19	2384.51	2320.91	2214.71	2196.73	2118.64	2113.2	2018.29	1980.49
25	2913.07	2726.24	2538.98	2325.56	2243.31	2122	2076.28	1953.11	1943.84	1873
27.5	3056.09	2845.62	2601.3	2381.64	2165.38	2038.64	2000.09	1887.15	1885.34	1829.32
30	2961.47	2813.82	2542.55	2304.73	2097.56	1985.07	1934.34	1834.4	1847.66	1894.36
32.5	2637.23	2493.89	2300.56	2121.63	1990.53	2024.29	1935.16	1865.39	1860.51	2032.71
35	2250.71	2107.64	2013.34	1981.66	2007.38	2007.96	2013.11	2019.8	2004.9	2364.18
37.5	1936.52	1868.33	1896.31	1951.75	2078.53	2143.13	2140.43	2075.57	2180.01	2643.87
40	1758.48	1817.88	1977.99	2132.84	2200.83	2327.69	2212.5	2142.79	2404.31	2889.49
42.5	1817.18	2041.04	2268.93	2402.59	2500.58	2529.28	2397.81	2270.18	2520.22	3005.35
45	1952.9	2371.61	2662.85	2846.51	2834.92	2763.94	2414.89	2324.82	2546.44	3028.34
47.5	2173.03	2771.65	3269.84	3422.44	3268.38	2870.32	2483.35	2328.48	2569.17	2917.33
50	2484.48	3338.28	4075.12	4116.76	3759.21	3110.86	2613.4	2443.32	2530.73	2813.56
52.5	2773.02	4025.02	4876.92	4826.93	4194.41	3390.14	2824.21	2546.61	2497.88	2640.3
55	3100.76	4541.77	5483.53	5317.04	4529.19	3534.24	3025.74	2762.24	2517.41	2443.1
57.5	3487.6	4891	5855.01	5522.44	4468.14	3558.71	3123.23	2798.3	2478.62	2294.16
60	3748.81	4901.09	5637.02	5305.62	4230.45	3516.87	3022.49	2718.28	2371.99	2174.5
62.5	3777.32	4594.25	5316.75	4941.09	4088.73	3370.72	2838.05	2521.3	2237.68	2009.33
65	3629.81	4270.48	4664.55	4525.43	3861.33	3134.67	2711.65	2462.69	2124.73	1883.9
67.5	3385.68	3856.94	4176.02	4076.66	3521.48	3025.48	2699.14	2380.98	2023.13	1726.34
70	2933.72	3280.22	3615.53	3656.27	3320.4	3015.55	2705.68	2206.58	1779.05	1523.64
72.5	2394.53	2666.59	3015.85	3267.29	3258.64	3055.29	2500.93	1791.56	1426.43	1299.43
75	1514.36	1731.55	2070.55	2461.85	2612.99	2260.04	1539.86	965.9	691.36	628.46
77.5	351.76	457.2	705.43	1110.73	1325.48	1104.76	675.93	387.36	272.87	253.12

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CANDELA TABULATION - (Cont.)

80	75.83	121.41	239.69	452.55	554.86	438.11	296.83	201.16	171.44	175.59
82.5	40.37	69.96	164.72	303.42	316.69	240.89	153.6	103.54	95.91	106.74
85	16.89	31.44	96.02	186.84	177.62	119.76	66.16	40.46	33.6	38.07
87.5	7.46	6.89	22.27	36.2	36.75	19.59	10.87	5.44	4.58	6.75
90	4.91	3.2	2.39	2	1.23	1.13	1.62	1.26	1.39	2.57
92.5	4.44	2.92	2.09	1.48	1.09	1.09	1.16	1.04	1.47	1.8
95	4.3	3.45	2.25	1.67	1.24	0.91	0.72	0.64	1.72	1.67
97.5	3.78	2.71	2	1.36	1.01	0.7	0.72	0.88	1.48	1.57
100	2.85	2.22	1.64	1.3	0.87	0.64	0.8	1.13	1.02	1.2
102.5	2.7	2.52	1.37	1.01	0.93	0.51	0.49	0.53	0.8	0.98
105	2.6	1.96	1.61	1.05	0.83	0.65	0.63	0.64	0.85	0.96
107.5	2.48	1.76	1.61	1	0.87	0.39	0.59	0.65	0.88	0.89
110	2.2	1.61	1.26	0.95	0.71	0.57	0.67	0.7	0.77	0.6
112.5	2.19	1.65	1.03	0.85	0.75	0.62	0.65	0.8	0.69	0.74
115	1.94	1.41	1.08	0.88	0.79	0.5	0.45	0.71	0.72	0.68
117.5	1.74	1.37	0.96	0.84	0.57	0.6	0.44	0.55	0.84	0.6
120	1.52	1.35	1.11	0.75	0.57	0.53	0.57	0.7	0.65	0.85
122.5	1.42	1.46	1.07	0.8	0.61	0.58	0.5	0.84	0.87	0.76
125	1.31	0.96	0.94	0.94	0.7	0.52	0.63	0.81	0.81	0.85
127.5	1.22	1.11	0.95	1.01	0.95	0.85	0.91	0.87	0.99	1.17
130	1	1.23	1.12	1.14	1.25	1.13	1.17	1.36	1.25	1.64
132.5	1.84	1.64	1.76	1.54	1.73	1.78	1.72	1.67	2.01	2.2
135	2.51	2.66	2.94	2.71	2.89	2.63	3.15	3.13	3.41	3.29
137.5	3.85	4.23	4.46	3.91	4.83	4.07	4.48	4.73	4.92	5.11
140	6.06	5.84	5.98	6.28	6.31	6.2	6.18	6.96	6.87	6.82
142.5	7.24	8.07	8.46	7.61	8.61	8	8.22	8.66	9.11	9.19
145	8.47	9.35	9.41	10.14	10.65	9.59	10.42	10.08	10.1	10.69
147.5	7.81	8.11	8.62	8.83	9.65	9.71	9.18	10.01	8.88	9.74
150	2.9	3.58	3.85	3.96	4.62	5.23	4.94	5.45	5.38	5.05
152.5	0.23	0.44	0.49	0.44	0.51	0.32	0.59	0.56	0.41	0.43
155	0.01	0.01	0	0.01	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. Horizontal Angles
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	197.85	197.85	197.85	197.85	197.85	197.85	197.85	197.85	197.85	197.85
2.5	167.88	234.94	203.72	191.18	207.43	186.87	190.29	195.54	210.68	150.59
5	293.37	254.6	230.78	250.86	203.03	238.63	254.43	236.02	222.11	197.16
7.5	299.07	268.55	277.03	237.81	267.86	251.96	251.34	233.27	250.46	223.67
10	399.76	446.08	386.82	321.91	315.01	344.26	411.4	446.42	476.15	463.65
12.5	805.49	761.36	727.27	566.8	429.16	411.55	490.39	516.61	545.29	473.25
15	870.09	831.89	807.99	711.07	612.47	474.38	565.77	801.55	774.65	837.75
17.5	1395.63	1477.37	1649.84	1598.11	1288.46	626.19	704.27	1506.59	1828.92	1859.96
20	1923.15	1965.09	1858.13	1861.31	1624.12	865.68	766.07	1564.23	2031.17	2017.15
22.5	1910.83	1809.98	1880.09	1869.13	1763.65	1025.31	741.24	1528.98	1897.51	1904.34
25	1890.77	1869.51	1860.11	1840.64	1855.69	1137.44	653.2	1455.47	1814.15	1766.22

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

27.5	1893.24	1913.7	1900.4	1846.27	1872.25	1259.37	656.18	1437.1	1779.28	1761.65
30	2004.34	2079.62	2059.19	1990.86	1972.09	1397.37	653.32	1447.33	1774.93	1718.19
32.5	2316.03	2445.34	2457.04	2330.33	2144.14	1539.74	752.01	1436.02	1829.63	1750.02
35	2712.64	2879.92	2837.12	2712.26	2539.2	1832.97	953.26	1607.2	1990.94	2005.26
37.5	3057.95	3240.39	3246.14	3086.79	2915.36	2206.42	1324.68	1814.76	2165.26	2167.93
40	3347.05	3594.43	3521.67	3404.33	3181.89	2465.27	1454.28	1877.17	2217.68	2273.5
42.5	3489.62	3768.81	3811.14	3692.18	3370.72	2640.03	1563.76	1852.51	2275.79	2319.15
45	3514.66	3801.44	3877.79	3797.97	3558.34	2763.67	1622.22	1898.35	2255.33	2288.4
47.5	3351.04	3703.29	3850.38	3797.49	3525.89	2743.63	1566.05	1840.03	2141.41	2225.21
50	3073.77	3415.99	3675.78	3637.42	3353.94	2572.95	1441.02	1658.72	2055.65	2026.85
52.5	2832.27	3128.05	3328.58	3363.35	3093.22	2376.21	1195.55	1565.64	1896.79	1876.55
55	2601.59	2779.2	2948.97	2892.23	2642.94	2035.33	960.5	1342.62	1762.71	1714.75
57.5	2331.77	2467.01	2508.06	2444.28	2241.55	1721.98	745.74	1204.81	1619.69	1577.6
60	2044.36	2127.87	2128.88	2044.4	1898.57	1546.92	535.18	1057.69	1500.22	1444.77
62.5	1884.61	1863.59	1846.04	1780.24	1710.48	1371.61	428.78	946.02	1367.4	1316.16
65	1730.92	1686.3	1642.07	1642.3	1586.3	1327.68	399.97	875.29	1316.4	1243.92
67.5	1614.81	1583.87	1565	1556.96	1478.77	1323.34	404.66	816.87	1206.65	1169.07
70	1470.36	1467.88	1475.15	1455.96	1430.03	1268.76	414.8	756.41	1159.77	1114.39
72.5	1286.76	1288.14	1306.93	1367.77	1333.17	1222.25	423.87	721.33	1062.78	1012.52
75	668.29	740.93	820.4	852.3	791.52	741.07	354.09	378.14	581.94	554.5
77.5	261.13	265.76	264.65	251.58	231.2	204.93	166.47	136.63	128.5	124.71
80	183.51	197.11	183.98	176.89	171.14	149.64	124.37	97.68	86.76	83.46
82.5	123.95	140.79	146.78	150.04	133.5	110.95	84.56	61.51	46.61	49.49
85	58.83	77.67	84.25	80.15	64.93	52.73	43.75	22.98	19.35	19.65
87.5	8.84	11.84	16.04	15.48	13.52	15.23	12.77	6.98	11.07	10.52
90	2.9	1.94	2.33	2.72	3.53	5.23	7	2.95	5.27	4.83
92.5	2.06	1.38	1.52	1.8	2.87	4.52	5.9	2.18	4.79	4.24
95	1.58	1.68	1.66	2.21	3.02	4.85	5.98	2.33	4.98	4.37
97.5	1.29	1.42	1.6	1.85	2.52	3.62	5.11	1.9	3.92	3.24
100	0.93	1.22	1.46	1.4	1.77	2.5	3	1.27	2.36	1.78
102.5	0.79	0.84	1.07	1	1.82	2.7	2.81	1.11	1.98	1.38
105	0.89	0.92	1.02	1.35	1.82	2.38	2.88	1.19	2.1	1.21
107.5	0.69	0.75	0.82	1.09	1.44	2.09	2.53	0.67	1.48	1.1
110	0.58	0.72	0.84	1.08	1.44	1.45	1.97	0.87	1.34	1.35
112.5	0.85	0.89	0.86	1	1.23	1.57	2	0.73	1.49	1.29
115	0.81	0.77	0.65	0.76	1.13	1.56	1.67	0.95	1.45	1.13
117.5	0.81	0.63	0.7	0.96	1.23	1.84	1.85	0.94	1.61	1.4
120	0.56	0.74	0.7	1.22	1.45	1.81	1.95	1.34	1.92	1.76
122.5	0.84	0.85	1.1	1.23	1.82	2.36	2.34	1.78	2.11	2.19
125	0.8	1.14	1.36	1.89	2.1	2.55	2.64	2.02	3	3.05
127.5	1.41	1.53	1.93	2.35	3.15	3.13	3.46	2.84	2.96	3.49
130	1.9	2.54	2.66	3.28	3.55	4.04	3.56	3.59	3.39	3.93
132.5	2.76	2.99	3.6	4.17	4.72	5	4.71	4.3	4.42	4.92
135	4.03	4.48	4.67	5.26	5.79	6.06	5.27	5.21	5.39	5.83
137.5	5.39	5.81	6.27	7.02	6.88	6.73	6.28	6.18	6.01	6.92
140	7.14	7.84	7.85	8.6	7.96	7.93	7.1	6.9	7.1	7.76
142.5	9.92	9.3	9.82	9.4	8.57	8.42	7.9	7.14	7.65	8.55
145	9.89	9.88	9.96	10.46	8.88	8.28	7.09	7.06	7.52	8.11
147.5	9.62	10.76	9.56	8.53	7.24	6.59	5.96	5.84	6.69	6.81
150	4.97	4.76	4.72	5.59	4.06	3.21	3.16	3.12	3.33	3.84
152.5	0.63	0.36	0.46	0.51	0.56	0.47	0.32	0.38	0.41	0.43
155	0	0	0	0.01	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

IES ROAD REPORT
PHOTOMETRIC FILENAME : BA-PEN-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

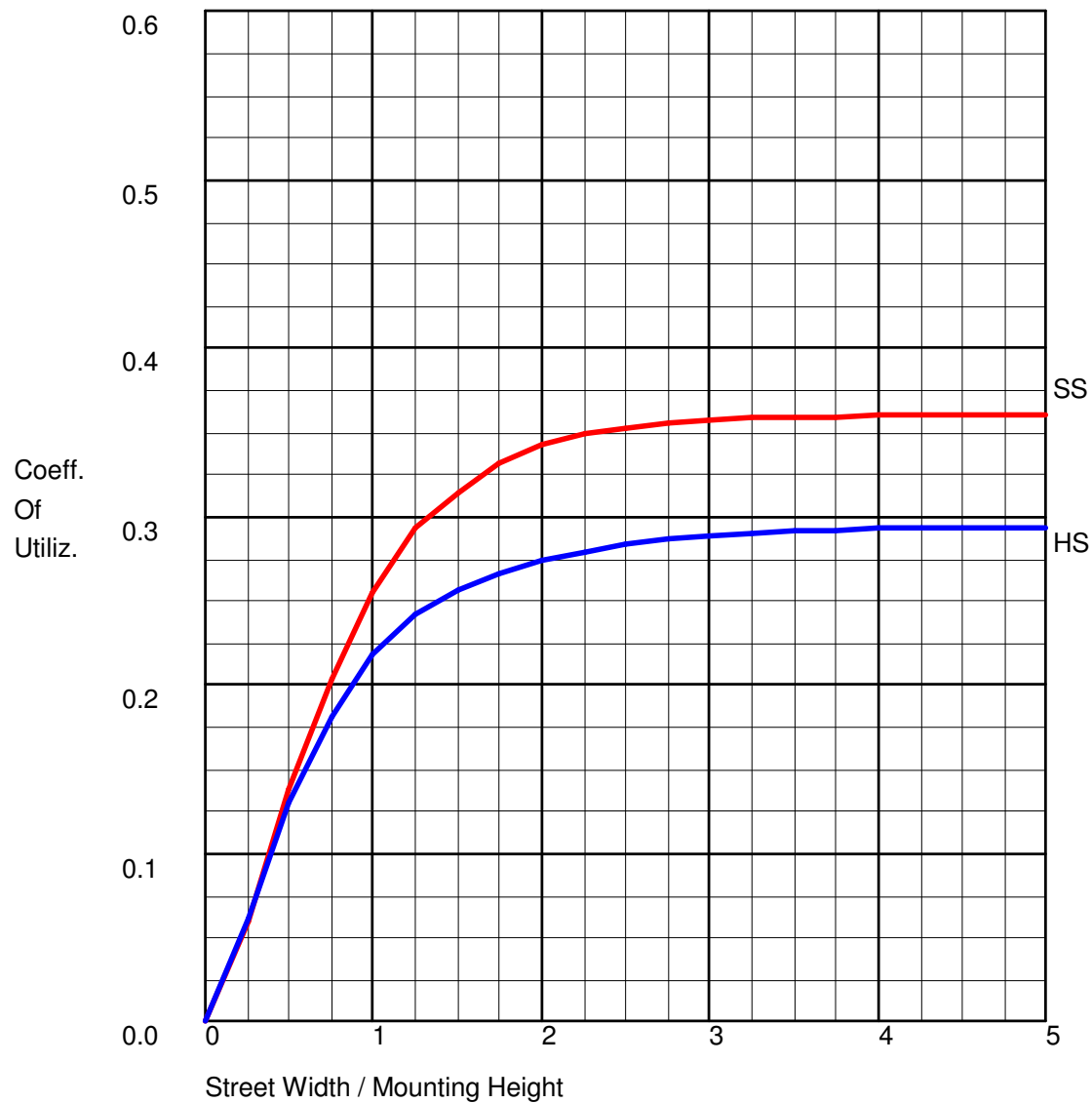
	150	155	160	165	170	175	180
0	197.85	197.85	197.85	197.85	197.85	197.85	197.85
2.5	201.44	159.4	176.44	146.49	151.47	175.81	160.38
5	171.14	185.88	167.34	166.34	183.4	164.29	145.79
7.5	230.97	225.7	214.71	201.54	201.34	198.32	205.35
10	422.49	379.81	390.41	327.14	340.07	315.16	325.96
12.5	463.76	422.7	451.45	408.44	420.36	368.75	378.65
15	845.89	933	1012.65	995.64	986.87	995.06	963.93
17.5	1827.22	1823.4	1815.15	1855.79	1781.22	1793.55	1849.17
20	1926.77	1938.86	2034.95	1982.3	2012.96	2022.12	2084.68
22.5	1914.51	1948.92	2062.89	2113.21	2110.21	2171.54	2137.13
25	1770.23	1902.57	1954	2016.21	2149.08	2182.67	2138.65
27.5	1761.15	1791.68	1945.83	2021.4	2051.19	2069.17	2206.81
30	1749.95	1847.14	1852.31	1976.51	2007.41	2089.6	2141.37
32.5	1800.49	1843.33	1972.72	2015.92	2076.01	2100.03	2117.2
35	2036.81	2133.02	2156.12	2207.63	2129.85	2178.06	2209.99
37.5	2270.73	2308.45	2320.5	2313.02	2175.96	2135.7	2142.57
40	2410.73	2343.86	2334.83	2246.35	2125.49	2090.71	2109.28
42.5	2373.98	2217.1	2264.54	2173.76	2102.39	1984.05	1946.35
45	2182.23	2067.58	2039.9	1991.05	1906.62	1837.37	1847.27
47.5	2019.45	1842.67	1897.64	1827.47	1764.24	1738.94	1700.13
50	1933.15	1691.65	1713.17	1662.72	1614.86	1582.16	1599.02
52.5	1797.48	1552.49	1594.73	1515.9	1444.98	1427.01	1447.86
55	1646.65	1483.66	1458.39	1402.36	1384.26	1420.21	1432.47
57.5	1544.86	1389.38	1342.8	1319.39	1303.43	1292.9	1331.61
60	1393.06	1308.91	1289.99	1231.2	1223.81	1232.69	1231.49
62.5	1288.08	1269.36	1205.47	1194.08	1188.01	1168.87	1174.96
65	1230.62	1173.39	1146.86	1108.09	1111.29	1099.89	1098.3
67.5	1151.81	1101.03	1078.16	1036.03	1047.84	1034.38	1033.03
70	1079	1045.45	989.29	971.37	918.86	941.77	926.91
72.5	960.16	885.94	866.7	842.46	827.71	808.98	795.9
75	510.5	485.19	433.57	423.27	382.64	362.85	354.82
77.5	105.74	90.32	76.15	59.91	60.25	46.3	42.22
80	66.82	49.58	45.33	37.38	30.76	23.47	22.05
82.5	39.8	31.6	30.53	22.93	18.43	15.09	14.56
85	18.8	17.93	15.25	14.89	12.84	9.32	10.16
87.5	10.37	9.97	8.85	8.23	7.16	5.33	4.47
90	5.32	5.24	4.88	3.98	3.41	2.69	2.13
92.5	3.97	4.3	3.9	3.29	2.83	2.4	2.18
95	4.03	4.19	3.41	2.9	2.63	2.09	2.8
97.5	3.19	3.51	3.16	2.45	2.14	2.5	2.76
100	1.55	1.33	1.22	0.94	0.8	0.99	0.99
102.5	1.31	0.94	0.87	0.59	0.43	0.43	0.57
105	1.15	0.86	0.86	0.56	0.48	0.41	0.23
107.5	1.04	1.01	0.72	0.67	0.47	0.32	0.45
110	0.8	0.94	0.72	0.75	0.51	0.62	0.48
112.5	0.97	0.82	0.96	0.85	0.71	0.54	0.71

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

CANDELA TABULATION - (Cont.)

115	1.15	1.02	0.93	0.94	0.75	0.93	0.86
117.5	1.56	1.39	1.25	1.42	1.02	1.2	1.4
120	1.72	1.93	1.91	1.63	1.67	2.05	1.91
122.5	2.27	2.32	2.56	2.46	2.31	2.56	2.32
125	3.02	3.57	3.3	3.46	3.16	3.4	2.88
127.5	3.95	4.16	4.23	4.77	4.51	4.32	3.88
130	5.04	5.56	5.77	5.6	5.64	5.15	4.92
132.5	5.91	6.12	6.59	6.7	7.08	6.94	7.08
135	6.5	7.02	7.51	7.67	7.72	8.01	8
137.5	7.35	8.22	8.77	9.07	9.29	9.22	9.99
140	8.94	8.92	9.72	9.71	10.43	10.68	10.66
142.5	9.59	10.02	10.35	10.61	11.01	10.16	11.41
145	9.08	9.55	9.81	9.83	11.11	10.69	9.21
147.5	7.44	8.67	8.66	9.28	9.04	9.72	8.82
150	4.63	4.96	4.76	5.92	4.65	5.21	4.73
152.5	0.53	0.6	0.61	0.48	0.57	0.41	0.49
155	0	0	0.01	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

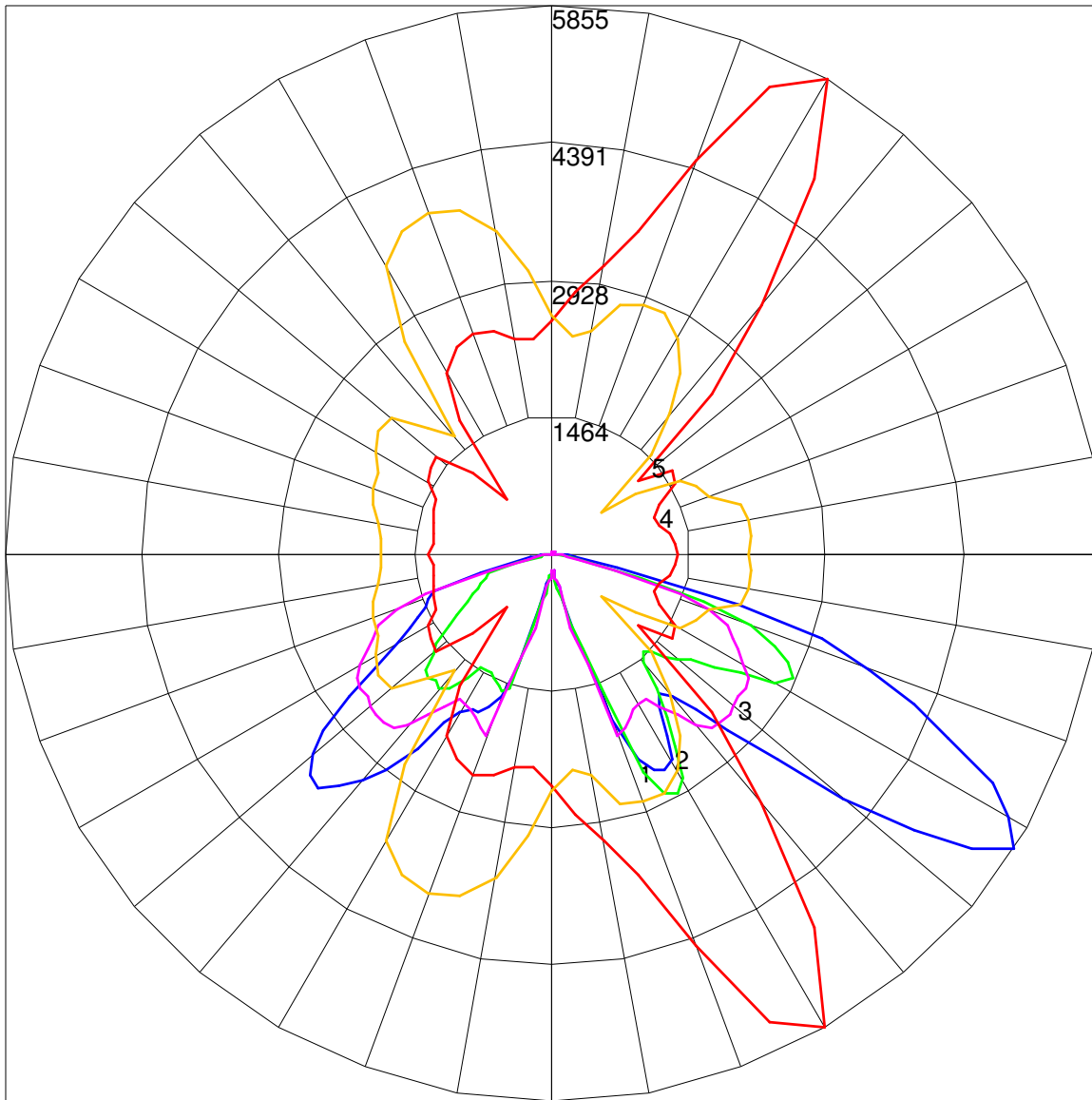
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Lamp
Downward Street Side	5061.0	36.1
Downward House Side	4120.0	29.4
Downward Total	9181.0	65.6
Upward Street Side	6.7	0.0
Upward House Side	9.0	0.1
Upward Total	15.7	0.1
Total Flux	9196.7	65.7

POLAR GRAPH



Maximum Candela = 5855.01 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

