



Brandon Industries, Inc.
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IES ROAD REPORT

PHOTOMETRIC FILENAME : AGB2A-250WHPS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 14066

[TESTLAB] LUMINAIRE TESTING LABORATORY, INC.

[ISSUEDATE] 10-31-2008

[MANUFAC] BRANDON INDUSTRIES

[LUMCAT] 250WHPS-AGB2A

[LUMINAIRE] CAST ALUMINUM HOUSING, SPUN SEMI-SPECULAR ALUMINUM BASE,

[MORE] CLEAR PATTERNED PLASTIC ENCLOSURE WITH SPUN-SEMI-SPECULAR

[MORE] ALUMINUM TOP REFLECTOR AND DECORATIVE SIDES.

[LAMP] ONE CLEAR VBD S50 250 WATT ET18 HPS LAMP RATED AT 27,500

[MORE] LUMENS.

[LAMPCAT] PHILIPS C250S50/ALTO

CHARACTERISTICS

IES Classification	Type V
Longitudinal Classification	Very Short
Cutoff Classification	Non-Cutoff
Total Rated Lamp Lumens	27500
Maximum Candela	3457.2
Maximum Candela Angle	0H 74.5V
Maximum Candela At 90 Degrees Vertical	1428.1 (5.19% Lamp Lms)
Maximum Candela At 80 Degrees Vertical	3213 (11.68% Lamp Lms)
Downward Total Efficiency	60.7%

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>	<u>85</u>
0	684	684	684	684	684	684	684	684	684	684
0.5	695.3	694.1	694.7	696.5	698.8	701.6	702.1	701.6	701.4	703.5
1	711	710.9	710.4	713.5	714.6	717.4	717.3	717	717.8	719.6
1.5	725.7	724.3	725.7	726.3	728.3	730	730.6	730.4	731	731.3
2	737.6	736.5	736.9	738.7	739.7	741.2	741.2	741.4	741.9	743.2
2.5	747.2	745.6	746.5	747	748.4	748.4	749.2	749.3	750.1	749.5
3	755.1	754.7	754.1	754.7	754.5	754.9	754.9	755	755.5	755.9
3.5	764.1	761.4	762.6	761.4	762.9	761.7	762.3	761.4	761.9	761.3
4	771.2	769.6	769.9	770.4	769.2	768.7	767.8	768.2	768.5	769.3
4.5	778.8	777.5	778.5	777.5	777.8	776.3	775.5	776.8	776.5	776.3
5	787	785.9	786.9	786.7	784.9	784.6	783.4	783.5	782.6	783.7
5.5	795.6	794.8	794.8	794.9	794.6	792.9	791.8	793	792.6	792.5
6	805.5	803.3	803.1	803.2	802.2	802.4	800.6	801.1	800.5	801.6
6.5	814.9	813.1	813.2	813.2	813.2	812	810.8	811.8	811.5	811.5
7	825	823.6	823.1	822.8	822.5	822	820.9	820.6	820.3	820.9
7.5	835.6	834.2	833.1	834	833.6	833	831.7	832.5	831.7	832.8
8	846.6	844.6	844.8	844.3	844.6	844.6	843	842.4	843.5	842.6
8.5	857.4	855.9	855.2	856.2	856.4	855.9	854.9	855	854.5	856
9	868	866.8	866.8	866.3	866.8	867.4	866.8	866.3	866.4	866.2
9.5	879.2	876.5	876.5	877.2	877	877.8	876.5	877.9	877	877.8
10	886.6	886.8	887.7	885.8	887.4	887.8	888	887.7	888.5	887.5
10.5	897.8	897	895.5	896.3	895.9	897	897	897.6	897.5	897.9
11	907	904.8	905.5	903.7	905.4	905.6	906.8	906.8	907.3	907.2
11.5	914.4	913	913.6	914.8	914.3	915.3	914.9	915.6	916	917
12	923.9	922.6	922.9	921.8	924.7	924	925.2	926.2	926.2	926.2
12.5	933	931.3	931.8	931.9	932.1	933.8	933.6	934.8	935.4	935.9
13	943	940	941.2	941.6	944.1	944.5	944.5	945	946.2	946.2
13.5	951.4	950.1	951	951.9	952.5	954.2	954.1	954.9	955	955.2
14	962.7	960	960.8	961.5	964	965	965.2	966.1	966.4	966.1
14.5	972.8	971.5	972.9	973.2	974.7	976.5	976.9	976.4	977	976
15	985.2	983.5	985.4	987.7	987.9	988.8	989	990.2	990.4	989
15.5	998.6	997.3	999.5	1000.7	1000.9	1002.6	1002.5	1003.4	1003.1	1001.9
16	1014.9	1014.1	1017.5	1019.2	1018.3	1019.3	1017.7	1020	1021.2	1018.7
16.5	1033.3	1032.7	1036.8	1036.6	1036.1	1037.4	1037.2	1038.3	1039.2	1036
17	1052.9	1055	1060	1059.1	1057.3	1059.3	1057	1059.8	1061.8	1059.6
17.5	1078.8	1079.2	1085.9	1082.2	1081.1	1082.8	1082.2	1083.7	1085.9	1082.6
18	1105.7	1107.9	1113.9	1109.7	1107.8	1110.5	1108.3	1109.8	1111.9	1111.4
18.5	1136.1	1137.9	1144.9	1136	1138.7	1138.8	1138	1139.5	1141.2	1140.4
19	1168.3	1171.4	1178.3	1168.8	1169.7	1173	1169.3	1170.1	1171.3	1173.8
19.5	1202.5	1205.7	1214.8	1202.3	1207	1206.6	1203.4	1203.5	1204.1	1206.4
20	1237.7	1244.3	1248.5	1237.8	1241.1	1243.4	1238.1	1237.2	1234	1241.4
20.5	1275.6	1281.8	1287.9	1274.7	1280	1280.7	1274.6	1273.6	1268.8	1277.3
21	1311	1320.8	1324.4	1313.4	1315.9	1317.6	1309.4	1306.9	1299.4	1311.5
21.5	1347.1	1356.8	1359.5	1349.6	1354.8	1353.8	1344	1343.4	1334.9	1344.5
22	1382.6	1392.6	1394.2	1384.8	1389.9	1389.1	1376.9	1377.7	1366.3	1377.5
22.5	1415.9	1426.8	1427.6	1421.7	1426.6	1424.8	1409.4	1414.4	1401.2	1409.8
23	1449.3	1458.3	1458.6	1453.4	1459.3	1457.2	1439.6	1445.9	1430.9	1436.8
23.5	1482.8	1490.8	1487.3	1490.6	1494	1490.4	1469.7	1478.8	1462.5	1467.1
24	1514.8	1521.8	1517.4	1517.8	1527.4	1522.3	1499.2	1507.5	1494.4	1494.4
24.5	1545.3	1552.6	1544.8	1549.2	1561.9	1555.9	1529.4	1538.2	1523.8	1526.6
25	1578.7	1583.2	1576.1	1576	1592.2	1589.6	1562.9	1567.4	1554	1554.9
25.5	1611.8	1613.7	1604.8	1607.7	1621.5	1623.7	1591.9	1599.3	1583.6	1588.7
26	1642.6	1642.6	1637.8	1634.4	1651.8	1656.5	1625.5	1629.5	1615.2	1619.3

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CANDELA TABULATION - (Cont.)

26.5	1674.6	1675.2	1668.3	1668.1	1680.7	1686.8	1655.8	1657.1	1643.6	1653.7
27	1706.8	1705.7	1701.4	1695.7	1711.4	1717.4	1692.1	1685.1	1675.3	1685.2
27.5	1738.2	1737.5	1730	1726.5	1739.1	1748.9	1723.2	1709.7	1702.1	1717.9
28	1771.8	1770.3	1762.4	1757.1	1771.6	1776.2	1759.3	1738.9	1734.9	1751.5
28.5	1806.8	1804.5	1794.3	1787.7	1796.4	1806.5	1790.9	1766.3	1761.3	1782.5
29	1839	1836.6	1825.1	1818.8	1827.5	1832.7	1824	1798.3	1792	1815.9
29.5	1871.4	1867.8	1858.1	1850.8	1854.2	1861.4	1858	1827.9	1820.5	1844.9
30	1903.3	1896	1892.4	1884.4	1884.9	1889.5	1889.9	1861.8	1850.5	1877.5
30.5	1935.3	1923.3	1924.8	1912.8	1913.8	1918.1	1919.7	1892.2	1880.5	1902.6
31	1966.4	1951	1958.7	1946.3	1944.8	1949	1950.2	1925.1	1911.8	1932.9
31.5	1999	1981.1	1990.8	1975.2	1973.1	1979.6	1980.1	1955.5	1939.9	1956.4
32	2031.6	2013.9	2020.2	2007.7	2002.1	2012.2	2008.5	1987.8	1971.9	1985.5
32.5	2061.6	2045.1	2051.1	2034.7	2035.5	2043.2	2038.7	2020.2	2002.2	2011.3
33	2092.6	2079.8	2079.9	2067.4	2065.3	2073.9	2065.9	2054.8	2031.4	2041.7
33.5	2125.5	2108.6	2108.8	2093.4	2095.4	2101.8	2095.9	2088.4	2058.8	2065.7
34	2153	2142.2	2137.6	2123.1	2127.8	2132.3	2122.1	2124.8	2088.4	2097.6
34.5	2182.5	2173.8	2166.3	2151.6	2159.2	2161.1	2154.2	2159.9	2120	2123.4
35	2210.8	2207.4	2195.2	2182.1	2186.8	2194.6	2181.1	2192.6	2148	2151.6
35.5	2241.8	2238	2226.2	2210.7	2220.7	2227.6	2210.3	2224.6	2179.2	2179.3
36	2269.8	2270.3	2254	2242.5	2243	2262.5	2237.5	2254	2207	2206.1
36.5	2301.6	2301.5	2286.7	2270	2275.2	2293.3	2264.3	2287.5	2240.6	2236.2
37	2330.1	2331.8	2312	2301	2302.9	2325.2	2293.4	2317.8	2268.2	2262.7
37.5	2356.6	2362.7	2343.7	2333.9	2335	2357.4	2322.7	2350.4	2302.7	2290.3
38	2383.6	2394.4	2371.3	2360.3	2359.6	2386.3	2351.8	2378.7	2332.6	2316.8
38.5	2407.6	2426.4	2406.9	2393.1	2393.6	2418.1	2382.8	2410.8	2372.1	2346.7
39	2432.7	2458.9	2442.4	2422.2	2424.1	2445	2414.7	2439.2	2403.3	2371.7
39.5	2458.4	2492.6	2476.7	2455.5	2459.2	2474.9	2445.5	2469.6	2436.4	2406.2
40	2483.9	2524.9	2514.1	2484.3	2489.5	2502.7	2477.3	2496.1	2466.5	2433
40.5	2513.1	2558.3	2547.9	2521.6	2521.1	2531.8	2507.2	2524.5	2497.4	2468.8
41	2535	2589	2585.8	2551.5	2554.1	2561	2540.5	2550.2	2527.1	2496.1
41.5	2568.1	2624.5	2620.9	2587.7	2579.6	2593.9	2570.3	2577.3	2556.6	2532.5
42	2596.3	2654.1	2658.6	2617.1	2613.3	2625.3	2604	2604.8	2590.8	2560.9
42.5	2629.4	2686.5	2686.9	2652.4	2636	2655.9	2634	2630	2618.6	2592.9
43	2663.3	2717.3	2722.1	2679.7	2671.7	2686.3	2667.7	2660.1	2655.1	2624.6
43.5	2692.7	2748.5	2751.1	2712.5	2697.2	2717.6	2696.3	2680.2	2678.2	2656.7
44	2722.8	2777.1	2784.2	2740.8	2734.2	2745	2727.4	2705.5	2708.5	2694.3
44.5	2750.2	2803.3	2814.6	2772.2	2761	2776.6	2755.2	2725.4	2729.5	2723.9
45	2778	2829.7	2844.6	2803.8	2795.5	2805.3	2787.6	2751.1	2758.8	2760.5
45.5	2807	2853.4	2872.4	2831.6	2823.6	2832.9	2813.4	2768.7	2778.9	2785.8
46	2838.9	2882.1	2899.3	2861	2856.7	2858.4	2841.6	2794	2803.1	2814.5
46.5	2868.3	2907.4	2929.3	2881.5	2884	2883.1	2868.5	2809.1	2828.4	2832.9
47	2897.5	2931.3	2953.6	2907.7	2912.6	2908.1	2892.5	2827.6	2854.1	2860.5
47.5	2924.5	2954.7	2981	2926.2	2936.9	2934.2	2921.7	2841.5	2879.6	2876.7
48	2948.8	2977.2	3003.9	2947.3	2958.9	2958.9	2943.1	2854.7	2904.6	2900.6
48.5	2966.5	2994.5	3025	2960.5	2981.3	2979	2968.9	2868.5	2928	2917.3
49	2988.9	3014.7	3040.8	2976.8	2998.9	3000.1	2985.7	2888.1	2943.6	2942.4
49.5	3016.2	3028.5	3060	2985.9	3015	3015.4	3006.7	2902.7	2965.8	2961.6
50	3034.1	3046.1	3073.3	3002.1	3028.1	3035.5	3022.2	2919.3	2985.1	2981.8
50.5	3059.2	3062.4	3090.1	3009.7	3043.6	3049.6	3039.1	2939.1	3006.6	3003.6
51	3074.2	3078.4	3100.2	3020.7	3054.3	3066.6	3053.6	2954.9	3024.4	3021.5
51.5	3091.9	3090.4	3115.6	3034.4	3072.4	3079.6	3068.3	2971.9	3045.1	3035.1
52	3105.7	3105.4	3128.8	3049.4	3085.2	3094	3082.3	2983.4	3051.9	3048.2
52.5	3119.2	3115.1	3141.9	3065.8	3103.1	3105	3098.6	2998.1	3067.9	3065.1
53	3133.5	3129.7	3151.2	3076.4	3112.4	3115.3	3106.3	3007	3071.9	3074.2
53.5	3145.9	3144.8	3171.1	3094	3128.7	3123.1	3114.1	3018.8	3085.1	3088.6
54	3161.5	3159.4	3188	3104.8	3136.8	3133.7	3125.1	3026.8	3090.5	3097.9

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54.5	3177.2	3171.8	3205.6	3124.9	3149.2	3144.4	3132.6	3038	3105.6	3107.4
55	3196.2	3187.7	3223.6	3137.6	3157.4	3151.5	3143.3	3046.3	3114.1	3108.8
55.5	3207	3201.1	3234.8	3157.3	3168.6	3161.1	3153.3	3056	3125.1	3119.7
56	3228	3209.7	3250.1	3168.9	3176.7	3168.4	3161.8	3061.9	3133	3117.3
56.5	3248.4	3220.9	3256.5	3184.7	3192.4	3174.3	3172.2	3076.4	3141.9	3122.6
57	3267	3227.9	3270.9	3189.3	3200.9	3175.9	3180.6	3086.2	3151.7	3125.3
57.5	3284.5	3240.1	3270.3	3198.9	3204.2	3180.9	3184	3091.4	3155.6	3127.9
58	3295.4	3245.6	3281.1	3203.3	3215.7	3185.5	3188.6	3098.1	3168.4	3132.3
58.5	3310.3	3252.9	3278.2	3213.3	3212.4	3190.5	3187	3103.9	3170.3	3138
59	3319.7	3256.2	3283.6	3220.5	3219	3195.9	3188.9	3108	3179.5	3147.2
59.5	3323.8	3261.7	3276.9	3229.9	3216.5	3206	3186.2	3108.4	3179.6	3155.9
60	3329.4	3267.1	3278	3239.4	3227.1	3211.3	3192.4	3113.3	3189.3	3167.6
60.5	3333.5	3274.7	3276.4	3242.7	3227.5	3218.1	3193.8	3114.3	3184.6	3173.4
61	3333.3	3286.3	3276.3	3250.2	3241.1	3226.8	3198.5	3122.2	3190.2	3185.5
61.5	3335.8	3294	3282.9	3253.2	3243.5	3233.9	3204.3	3124.2	3185.6	3188.6
62	3346.9	3303.7	3287.4	3262.7	3247.2	3236.4	3206.5	3130.3	3183.9	3196
62.5	3356.5	3313.7	3294.5	3265.5	3249.1	3245.6	3213.6	3131.6	3184.1	3193.5
63	3369.9	3321.6	3297.5	3277.8	3250	3250.8	3220.1	3137.5	3182.6	3200.6
63.5	3381.8	3327.2	3305.1	3279.6	3256.8	3258.5	3227.5	3142.7	3182.6	3196.7
64	3392.3	3335.4	3307.1	3289.3	3258.5	3267.8	3231	3148.8	3180.1	3201.2
64.5	3391.5	3339.1	3313.6	3290.2	3270.5	3275.6	3239.6	3154.7	3184.5	3200.9
65	3397.2	3347.4	3316	3302.7	3270	3281.9	3245.6	3157.6	3183.3	3209.1
65.5	3403.6	3351.5	3323.2	3304.5	3279.3	3280.1	3256.6	3162	3190.7	3203.6
66	3400.9	3359.3	3326	3313.9	3282.4	3285.1	3259.9	3161.4	3191.4	3202.5
66.5	3410.5	3361.5	3327.9	3311.8	3288.7	3280.2	3267.7	3164.1	3200.7	3204.7
67	3415.1	3365.6	3331.8	3314.1	3286	3288.3	3271.8	3163.9	3203.2	3202.9
67.5	3420.9	3370.8	3332.9	3313	3291.3	3288.6	3273.6	3167.6	3212.5	3207.8
68	3423	3371.8	3338.3	3312.8	3288.5	3294.1	3271.6	3167.3	3209.4	3209.2
68.5	3426.2	3370.4	3343.2	3315	3291	3298.1	3271.5	3170.3	3213.4	3216.1
69	3426.9	3376.4	3349.9	3317.5	3287.6	3301.7	3267.2	3169.5	3211.8	3214.7
69.5	3427.5	3380.8	3357.2	3323.5	3291.4	3304.2	3265.3	3168.6	3215.5	3223.6
70	3429.4	3388.4	3361.8	3321.1	3295.4	3305.7	3265.9	3162.9	3209.7	3228.5
70.5	3428.9	3395.8	3370.4	3330.7	3298.7	3309.6	3263	3159.5	3213.2	3236.2
71	3431.9	3401.2	3378.5	3325	3298.6	3311.6	3268.9	3157	3213	3238.9
71.5	3436.3	3410.8	3383	3330.4	3299.9	3316.9	3270	3157.7	3218.4	3245.5
72	3441.3	3411.7	3391.6	3326.4	3301.4	3317.9	3275.7	3156.4	3223	3245.4
72.5	3438.6	3418.3	3392.2	3328.4	3298	3327.9	3281.2	3160.3	3230.1	3256.2
73	3447.8	3420.3	3397	3323.6	3302.8	3329.9	3287.8	3162.9	3235.8	3254.9
73.5	3456	3431.5	3396.2	3328.4	3301.4	3339.2	3293.3	3167.9	3239.4	3261.4
74	3448.9	3435	3404.2	3325.6	3301.8	3343.3	3302.2	3172.2	3242.7	3261.9
74.5	3457.2	3439.9	3403.8	3326.6	3300.6	3345.4	3307.8	3175.1	3238.6	3261.4
75	3454	3436.3	3408.4	3324.8	3304.5	3344.6	3312.2	3180.4	3242.1	3259.8
75.5	3452.9	3431	3401.9	3324.5	3297.6	3343.2	3312.4	3180	3231.1	3255.9
76	3445.9	3419.4	3395.9	3320.9	3301.3	3333.9	3310.8	3182	3229.6	3249.9
76.5	3438.6	3409.1	3384.4	3311.6	3291.2	3323.5	3295.7	3173.8	3213.7	3241.8
77	3420.9	3391.8	3370.8	3303.1	3283.1	3307.7	3280.9	3168.3	3206.6	3232.5
77.5	3399.1	3370.9	3353	3279.5	3261.9	3287.9	3261.4	3148.2	3183	3213.5
78	3375.3	3342.8	3327	3260.9	3242.6	3263.4	3236	3128.8	3167.9	3199.9
78.5	3344.6	3308.6	3296.1	3229.3	3214.1	3236.3	3209.3	3097.3	3143.5	3169
79	3308.9	3272.6	3253.6	3201.5	3181.3	3198.1	3173.4	3062.4	3113.6	3142.1
79.5	3262.7	3229.5	3213.3	3161.3	3145.7	3158.1	3137	3021	3080.3	3099.4
80	3213	3182.6	3160.1	3122.5	3096.4	3115.1	3087.5	2978.5	3038.4	3063.3
80.5	3151.6	3126	3111	3072.1	3050.8	3063.2	3037.4	2927	2990.1	3008.5
81	3090.5	3069.3	3050.3	3023.4	2990.2	3006.4	2977.8	2870.4	2932.3	2960.3
81.5	3024.5	3003	2996.5	2961.3	2932.9	2945.8	2915.8	2815.9	2875.6	2905
82	2955	2935.8	2930.3	2898.5	2864.7	2884.3	2845.5	2749.8	2807.3	2844.9

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CANDELA TABULATION - (Cont.)

82.5	2881.9	2862.8	2865.4	2829.6	2802.5	2814.6	2775.7	2689.6	2743.7	2783
83	2804.9	2789.1	2789.8	2757.2	2727.2	2748.2	2700	2623.3	2666.9	2715.3
83.5	2723.1	2705.5	2705	2677.4	2652.6	2674.8	2623.1	2555.6	2594.3	2645.5
84	2635	2615.7	2620	2595.3	2569.9	2598.6	2542.1	2480.5	2511.6	2565.7
84.5	2549.9	2524.7	2527.3	2511.9	2487.1	2513	2460.2	2409.6	2433.5	2491.6
85	2451.7	2428.6	2430.5	2420.9	2395.7	2423.4	2376.1	2327	2346.6	2401.7
85.5	2354.5	2330.3	2330.5	2329.5	2304.8	2332.4	2285.1	2242.4	2259	2316.6
86	2254.5	2229.3	2230.3	2230.7	2206	2237.2	2195.8	2151.6	2165.4	2217.8
86.5	2154.6	2131.6	2125.8	2131.8	2108.5	2136.5	2100.4	2056.8	2070.9	2120.8
87	2054.4	2028.4	2022.7	2028	2007.8	2037.8	2002.2	1959.7	1973.9	2016.6
87.5	1953.7	1928.8	1916.9	1927.3	1903.8	1939.4	1899.6	1859.2	1876.8	1913.6
88	1847.9	1823.4	1812.3	1819.5	1800.4	1829.6	1797.9	1758	1775	1807.5
88.5	1741.3	1720.1	1706.9	1717.4	1697	1726.4	1693.2	1654.8	1673.7	1701.4
89	1642.4	1617.1	1607.6	1612.3	1595.4	1616.7	1591.5	1552.6	1571.4	1597.9
89.5	1533.1	1513.8	1505.3	1512.6	1493	1512.7	1485.9	1450.1	1468.4	1495.9
90	1428.1	1409	1406.3	1410.7	1398.1	1409	1384.1	1350.8	1368	1393.6
90.5	1328.8	1311.1	1309.1	1318.6	1301.5	1311.7	1283.3	1253.8	1269	1296.3
91	1231.7	1214.9	1217	1225.4	1207.1	1215	1187.2	1159.3	1177.2	1199.3
91.5	1135.1	1122.4	1128.3	1135.1	1117.1	1122.4	1094.1	1068.9	1086	1108.2
92	1043.7	1034.8	1046.3	1050.1	1034.9	1034.1	1009.9	986.3	1004.6	1027.3
92.5	958.6	949.7	962.2	966	950.4	949	925.6	905	920.8	946.8
93	881.6	873.4	885.4	887.5	873.3	870.4	848.9	830.8	846.3	871.7
93.5	805	803.3	811.9	814.1	800.7	795.3	777.2	759.9	775.6	800
94	739.5	737.2	741	744	731.5	727.2	709	694	705.7	731.2
94.5	678	675.9	679.8	678.4	667.4	661.5	647.9	628.8	641.8	664.7
95	625.4	622.1	623.6	622.3	608.1	605.5	591.4	574.4	584.9	604.3
95.5	573.2	570.5	572.9	568.1	555.3	550.2	540.2	522.8	531	546
96	527.4	524.1	526.8	521.7	507.7	502.9	493.9	478.6	483.9	495.1
96.5	484.4	482	485.3	479.7	468.1	461.4	454.5	441	444.5	450.4
97	447.4	443.6	446.6	442.7	429.5	424.4	417.6	407.5	407.6	413.1
97.5	412.1	408.9	412.6	409.1	397.9	391.5	387.5	379.3	378.6	381.1
98	381.5	379.3	382.3	380.7	370.7	364.3	359.8	354.7	353.3	354.5
98.5	354.1	352.5	356	355.4	345.9	339.5	336.9	333.2	330.8	332
99	331.6	329.8	333.8	332.7	324.5	319.4	316.3	313.9	311.4	312.6
99.5	311.8	311.7	314.7	313.8	307.3	302.6	299.9	297.5	296	296.2
100	294.5	295	297.8	296.7	291.1	287.3	284.4	282.6	280.8	281.5
100.5	280	280.8	283	282	277.4	273.5	271	269.5	268.1	269.1
101	267.4	267.9	270.5	269.1	265.4	262.5	259.7	257.8	257.1	257.7
101.5	255.4	256.3	258.5	257.7	254	251.5	249	247.5	246.6	247.9
102	244.9	245.8	248.3	247	244.3	241.8	239.9	238.3	237.7	238.6
102.5	235.7	237.1	238.7	238.3	235.2	233.9	231.2	230.2	229.3	230.9
103	227.2	228.6	230.4	229.3	227.2	225.7	223.9	222.6	222	222.7
103.5	219.8	221.5	222.5	222	219.9	218.6	216.7	215.7	214.7	216.3
104	213.2	214.8	215.8	214.8	213.9	212.3	210.9	209.7	209	209.7
104.5	206.9	208.7	209.3	208.8	207.5	206.6	204.8	203.9	203.2	203.9
105	201.4	202.8	203.9	202.9	202.2	200.9	199.6	198.7	198.1	198.7
105.5	196.3	197.9	198.1	197.8	197.2	196.3	195	194	193.3	193.6
106	191.3	193.2	193.6	192.9	192.8	191.5	190.5	189.8	189.2	189.4
106.5	187.2	188.7	188.7	188.6	188.1	187.5	186.3	185.4	184.7	184.9
107	183.2	184.3	184.6	184.7	184.3	183.5	182.3	181.8	180.9	181.2
107.5	179.4	180.6	180.6	180.6	180.1	179.8	178.6	177.8	177.1	177.3
108	175.6	176.9	176.9	177.1	176.8	176.3	175.3	174.4	173.7	174.2
108.5	172.4	173.3	173.7	173.4	173.5	173	172	171.1	170.7	170.6
109	168.8	170.5	170.3	170.3	170.2	170	169	168	167.8	167.8
109.5	166.2	167.2	167.3	167.2	167.3	167.2	166.4	165.1	164.6	164.6
110	163.2	164.4	164.4	164.8	164.3	164.4	163.4	162.3	162.2	162.3

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CANDELA TABULATION - (Cont.)

110.5	160.7	161.8	161.9	161.6	161.8	161.6	160.8	159.5	159.4	159.2
111	157.9	159.5	159.2	159.1	159.1	159.1	158.3	157.3	156.9	156.9
111.5	155.6	156.8	156.9	156.4	156.6	156.7	155.8	155	154.8	154.2
112	153.3	154.5	154.1	154.1	154.1	153.9	153.3	152.7	152.1	152.4
112.5	150.8	152	152.2	151.8	151.8	151.7	151.2	150.6	150.3	149.9
113	148.6	149.9	149.7	149.6	149.6	149.7	148.9	148.5	147.9	148
113.5	146.4	147.6	147.7	147.4	147.7	147.5	146.9	146.4	146	145.9
114	144.2	145.5	145.1	145.3	145	145.6	144.8	144.3	143.7	144
114.5	142.3	143.3	143.3	143.4	143.4	143.7	143.1	142.5	142.3	142.1
115	140.7	141.3	141.5	141.5	141.6	141.7	140.8	140.3	139.8	140.3
115.5	138.2	139.5	139.4	139.5	139.7	139.8	139	138.6	138.3	138.5
116	136.4	137.4	137.6	137.6	138	137.9	137.1	136.8	136.4	136.4
116.5	134.7	135.7	135.6	135.8	136.1	136	135.3	135.1	134.9	134.9
117	132.7	133.8	134.1	134	134.1	134.3	133.6	133	132.9	132.8
117.5	131.1	132	132.1	132.5	132.4	132.8	131.8	131.4	131.4	131.4
118	129	130.5	130.5	130.5	130.7	130.9	130.3	129.8	129.6	129.6
118.5	127.4	128.8	128.8	129	129.1	129.3	128.6	128.1	127.9	127.9
119	125.8	127.2	127.2	127.2	127.5	127.6	127.1	126.5	126.4	126.3
119.5	124.1	125.7	125.6	125.8	125.6	126.1	125.1	124.8	124.7	124.8
120	122.8	124.1	123.9	124	124.1	124.2	123.7	123.4	123.4	123.3
120.5	120.9	122.6	122.4	122.7	122.6	122.9	122	122	121.6	121.8
121	119.4	120.9	120.8	121.1	121.3	121.1	120.7	120.4	120.3	120.3
121.5	118.2	119.4	119.2	119.5	119.8	120	119.1	118.7	118.7	118.7
122	116.8	117.9	117.9	118.1	118.7	118.4	117.9	117.5	117.8	117.6
122.5	115.4	116.6	116.4	116.8	116.9	117.1	116.4	116	116.2	115.9
123	114.1	115.1	114.9	115.4	115.6	115.6	115	114.8	115.1	114.6
123.5	112.9	114	113.4	113.8	114	114.3	113.8	113.6	113.6	113.3
124	111.5	112.6	112.5	112.6	112.9	113.2	112.3	112.3	112.4	112.4
124.5	110.1	111.1	111.1	111.1	111.5	111.5	111.1	110.8	111.1	110.8
125	108.7	110.1	109.6	109.9	110.3	110.4	109.8	109.7	109.7	109.9
125.5	107.6	108.5	108.4	108.6	109	108.9	108.6	108.6	108.7	108.5
126	106.2	107.4	107.2	107.4	107.7	107.8	107.2	107.4	107.2	107.5
126.5	104.9	106	105.8	106.1	106.5	106.5	105.9	106.1	106.2	106
127	103.5	104.9	104.5	105	105.2	105.4	104.9	104.8	104.9	105.1
127.5	102.3	103.6	103.5	103.6	104.2	104.1	103.9	103.8	104	103.8
128	101.4	102.6	102.3	102.6	102.8	103	102.6	102.6	102.6	102.7
128.5	100	101.3	101.1	101.2	101.6	101.7	101.6	101.4	101.6	101.5
129	98.9	100.1	99.8	100.2	100.3	100.6	100	100.1	100.3	100.3
129.5	97.9	98.9	98.8	98.8	99.1	99.3	99	99.1	99	99.2
130	96.8	97.8	97.5	97.6	97.8	98	97.7	97.7	97.7	97.9
130.5	95.7	96.5	96.4	96.4	96.7	96.8	96.5	96.4	96.7	96.6
131	94.5	95.2	95.1	95.1	95.3	95.5	95.1	95.1	95.1	95.3
131.5	93.3	94.1	93.8	93.8	94.2	94.1	94	93.9	93.9	94.1
132	92	92.6	92.5	92.6	92.6	92.6	92.5	92.4	92.6	92.6
132.5	90.4	91.5	91.3	91.4	91.4	91.6	91.1	91.1	91.1	91.4
133	89.2	90.2	89.9	89.7	89.8	90.1	89.8	89.5	89.5	89.8
133.5	87.9	88.9	88.3	88.6	88.5	88.6	88.1	88.1	88.1	88.3
134	86.4	87.4	87.2	86.8	87.1	87.2	86.8	86.8	86.7	86.9
134.5	85.1	86.1	85.6	85.6	85.6	85.6	85.3	85.1	85.3	85.5
135	83.2	84.5	84.2	83.9	83.9	84.1	83.9	83.6	83.9	83.9
135.5	82.1	82.9	82.7	82.6	82.6	82.8	82	82.1	82.1	82.3
136	80.3	81.4	81.2	81	81	80.9	80.7	80.6	80.8	80.6
136.5	78.9	79.9	79.4	79.4	79.2	79.4	79	78.9	79	78.9
137	77.2	78.1	78	77.8	77.9	77.8	77.6	77.4	77.4	77.4
137.5	75.4	76.4	76	76.1	76	75.9	75.7	75.6	75.4	75.6
138	73.8	74.7	74.3	74.4	74.3	74.2	74.2	73.8	73.9	73.9

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CANDELA TABULATION - (Cont.)

138.5	72.2	72.9	72.6	72.5	72.6	72.6	72.2	71.8	72	72.1
139	70.3	71.1	71.1	70.8	70.8	70.8	70.5	70.3	70.2	70.3
139.5	68.5	69.4	69	69.1	68.9	68.8	68.7	68.5	68.4	68.3
140	66.9	67.7	67.4	67	67.1	67.2	66.8	66.5	66.4	66.7
140.5	64.9	65.7	65.5	65.4	65.2	65.4	65.1	64.7	64.6	64.8
141	63.2	63.9	63.7	63.6	63.2	63.3	63.1	62.8	62.7	63.1
141.5	61.4	61.9	61.9	61.5	61.3	61.5	61.2	60.8	60.9	60.9
142	59.3	60	59.9	59.7	59.5	59.5	59.4	58.9	58.8	59.2
142.5	57.5	58.2	58.1	57.8	57.7	57.6	57.4	57.3	57.2	57.2
143	55.6	56.4	56.2	56	55.7	55.7	55.4	55.2	55.1	55.2
143.5	53.6	54.4	54.3	54.1	53.9	53.9	53.6	53.5	53.4	53.6
144	51.7	52.7	52.5	52.3	51.8	51.9	51.9	51.6	51.2	51.6
144.5	50.1	50.9	50.8	50.4	50.2	50.3	49.9	49.8	49.7	49.7
145	48.1	48.9	48.8	48.7	48.1	48.3	48	48	47.6	47.9
145.5	46.5	47	47.1	46.9	46.5	46.6	46.5	46.3	46	46
146	44.8	45.3	45.3	45	44.7	45	44.6	44.3	44.2	44.2
146.5	43	43.7	43.6	43.4	43.1	43.1	42.8	42.7	42.6	42.5
147	41.2	41.8	41.8	41.8	41.3	41.3	41.1	41	40.7	40.9
147.5	39.8	40.3	40.3	40.1	39.7	39.8	39.5	39.5	39.2	39.1
148	37.9	38.8	38.5	38.5	38.1	38.1	38	37.8	37.6	37.5
148.5	36.5	36.9	37.1	36.8	36.5	36.5	36.2	36.2	35.8	36.1
149	34.7	35.4	35.4	35.2	35	35	34.8	34.7	34.5	34.4
149.5	33.3	33.9	33.8	33.8	33.2	33.5	33.2	33.1	32.8	33
150	31.7	32.4	32.2	32.2	31.9	31.9	31.7	31.6	31.4	31.3
150.5	30.4	30.9	30.9	30.7	30.4	30.4	30.3	30	29.8	29.9
151	28.9	29.5	29.2	29.1	28.9	29	28.9	28.8	28.6	28.5
151.5	27.4	27.9	27.9	27.9	27.5	27.5	27.3	27.3	27.1	27.2
152	26.2	26.4	26.5	26.5	26.3	26.1	26	25.9	25.7	25.7
152.5	24.8	25.1	25.1	24.8	24.8	24.7	24.4	24.5	24.5	24.3
153	23.4	23.9	23.9	23.7	23.5	23.5	23.2	23.3	23.2	23.2
153.5	22.1	22.4	22.5	22.5	22.2	22.1	21.9	21.9	21.9	21.8
154	20.7	21.1	21	21.1	21	21	20.7	20.7	20.6	20.5
154.5	19.5	19.9	19.7	20	19.5	19.8	19.5	19.5	19.4	19.3
155	18.2	18.7	18.3	18.6	18.3	18.2	18.2	18	18	18.2
155.5	17	17.3	17.2	17.3	16.9	17	17	16.8	16.8	17
156	15.8	16	16	16.1	15.8	15.8	15.8	15.8	15.6	15.8
156.5	14.9	14.9	14.7	14.9	14.6	14.9	14.5	14.5	14.5	14.6
157	13.6	13.9	13.5	13.8	13.4	13.5	13.4	13.3	13.2	13.4
157.5	12.6	12.6	12.6	12.5	12.2	12.4	12.3	12	11.9	12.1
158	11.3	11.4	11.3	11.5	11.3	11.3	11	11.1	11	11.1
158.5	10.1	10.2	10.4	10.3	10.1	10	9.9	10	9.7	10
159	8.9	9.2	9.3	9.3	9	9.1	8.9	8.8	8.9	9
159.5	8	8.2	8.1	8	7.9	8	7.8	7.8	7.6	7.8
160	7.3	7.3	7.2	7.2	6.8	6.9	6.7	6.7	6.6	6.6
160.5	6.2	6.1	6.1	6.1	5.9	5.8	5.8	5.8	5.7	5.7
161	5.1	5.2	5.2	5.4	5	5	4.8	4.8	4.8	4.8
161.5	4.4	4.3	4.3	4.2	4.1	4	3.9	3.8	3.7	3.8
162	3.4	3.5	3.3	3.5	3.3	3.1	3.2	3	3	3.2
162.5	2.7	2.7	2.6	2.7	2.4	2.5	2.4	2.2	2.2	2.3
163	2	2	2	2	1.9	1.6	1.6	1.5	1.5	1.4
163.5	1.6	1.7	1.5	1.5	1.4	1.3	1.1	1	0.7	0.8
164	1.2	1.1	1.2	1.1	1	0.9	0.7	0.5	0.3	0.3
164.5	0.9	0.9	0.7	0.9	0.6	0.6	0.4	0.1	0.1	0
165	0.3	0.5	0.6	0.5	0.3	0.3	0.1	0	0	0
165.5	0.2	0.2	0.1	0.1	0	0	0	0	0	0
166	0	0.1	0	0	0	0	0	0	0	0

IES ROAD REPORT
 PHOTOMETRIC FILENAME : AGB2A-250WHPS.IES

CANDELA TABULATION - (Cont.)

166.5	0	0	0	0	0	0	0	0	0	0
167	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
168	0	0	0	0	0	0	0	0	0	0
168.5	0	0	0	0	0	0	0	0	0	0
169	0	0	0	0	0	0	0	0	0	0
169.5	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0
170.5	0	0	0	0	0	0	0	0	0	0
171	0	0	0	0	0	0	0	0	0	0
171.5	0	0	0	0	0	0	0	0	0	0
172	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
173	0	0	0	0	0	0	0	0	0	0
173.5	0	0	0	0	0	0	0	0	0	0
174	0	0	0	0	0	0	0	0	0	0
174.5	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0
175.5	0	0	0	0	0	0	0	0	0	0
176	0	0	0	0	0	0	0	0	0	0
176.5	0	0	0	0	0	0	0	0	0	0
177	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
178	0	0	0	0	0	0	0	0	0	0
178.5	0	0	0	0	0	0	0	0	0	0
179	0	0	0	0	0	0	0	0	0	0
179.5	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>90</u>
0	684
0.5	702.9
1	719.2
1.5	732.5
2	742.5
2.5	749.3
3	754.9
3.5	761.5
4	769.3
4.5	776.7
5	783.8
5.5	792.6
6	801.3
6.5	811.7
7	821.7
7.5	832.3
8	844
8.5	855.3
9	867
9.5	877
10	888.2
10.5	897
11	906.2
11.5	916.9

IES ROAD REPORT
PHOTOMETRIC FILENAME : AGB2A-250WHPS.IES

CANDELA TABULATION - (Cont.)

12	926.6
12.5	935.4
13	945.5
13.5	955.6
14	965.7
14.5	976.7
15	988.9
15.5	1001.5
16	1016.3
16.5	1035.1
17	1055.9
17.5	1080
18	1108
18.5	1137.2
19	1170.6
19.5	1204.8
20	1235.4
20.5	1269.7
21	1302.5
21.5	1335
22	1363
22.5	1393.1
23	1419.8
23.5	1447.6
24	1473.8
24.5	1506.7
25	1538.2
25.5	1571.4
26	1610
26.5	1646
27	1681
27.5	1715.7
28	1748.4
28.5	1783.3
29	1814.4
29.5	1847.3
30	1875.7
30.5	1907.7
31	1934.6
31.5	1959.5
32	1982
32.5	2007.7
33	2027.7
33.5	2050.1
34	2078.8
34.5	2102
35	2133.3
35.5	2162.3
36	2193.5
36.5	2220.7
37	2249.4
37.5	2277.9
38	2308
38.5	2341.3
39	2370.3
39.5	2402.7

IES ROAD REPORT
PHOTOMETRIC FILENAME : AGB2A-250WHPS.IES

CANDELA TABULATION - (Cont.)

40	2432.7
40.5	2470.6
41	2502.8
41.5	2532
42	2567.9
42.5	2602.1
43	2633.1
43.5	2662.1
44	2693.1
44.5	2720.8
45	2747.4
45.5	2772.3
46	2793.6
46.5	2816.8
47	2835.9
47.5	2856.4
48	2867.7
48.5	2889.1
49	2903.6
49.5	2924.7
50	2948.8
50.5	2966.5
51	2984.7
51.5	2999.2
52	3014.6
52.5	3021.9
53	3029.6
53.5	3037.8
54	3047.5
54.5	3055.3
55	3062.9
55.5	3071.4
56	3068.8
56.5	3082.4
57	3084.7
57.5	3089.3
58	3099.7
58.5	3109.6
59	3118.8
59.5	3127.5
60	3138.8
60.5	3146.8
61	3157.2
61.5	3168.2
62	3173.5
62.5	3177.6
63	3185.7
63.5	3186.6
64	3184.9
64.5	3195.3
65	3197.4
65.5	3208.4
66	3222.4
66.5	3227
67	3233.3
67.5	3236.7

IES ROAD REPORT
PHOTOMETRIC FILENAME : AGB2A-250WHPS.IES

CANDELA TABULATION - (Cont.)

68	3242.9
68.5	3247.1
69	3256.9
69.5	3263.6
70	3274.6
70.5	3282.2
71	3287.5
71.5	3292.1
72	3290.3
72.5	3295.8
73	3296.9
73.5	3299.3
74	3304.5
74.5	3300.1
75	3298.6
75.5	3294.4
76	3289.3
76.5	3278.1
77	3266.6
77.5	3250
78	3229.6
78.5	3204.8
79	3167.9
79.5	3127
80	3082.2
80.5	3033
81	2976.4
81.5	2922.2
82	2861.9
82.5	2796.4
83	2724.4
83.5	2647.1
84	2567.8
84.5	2486.5
85	2401.2
85.5	2313.1
86	2219.5
86.5	2118.1
87	2014.9
87.5	1910.3
88	1800.1
88.5	1693.9
89	1586.8
89.5	1481.2
90	1378.2
90.5	1284.2
91	1188.2
91.5	1099.8
92	1017.9
92.5	938.3
93	862.9
93.5	789.3
94	720.6
94.5	654.2
95	596.5
95.5	542.6

IES ROAD REPORT
PHOTOMETRIC FILENAME : AGB2A-250WHPS.IES

CANDELA TABULATION - (Cont.)

96	492
96.5	450.2
97	413.8
97.5	382.1
98	355.2
98.5	332.7
99	313.4
99.5	296.6
100	282.4
100.5	269.2
101	257.8
101.5	247.8
102	238.6
102.5	230.4
103	223
103.5	216.1
104	209.4
104.5	203.9
105	198.2
105.5	193.8
106	189.4
106.5	184.9
107	181
107.5	177.1
108	174
108.5	170.4
109	167.4
109.5	164.4
110	161.9
110.5	159.1
111	156.8
111.5	154
112	151.8
112.5	150.1
113	147.4
113.5	145.6
114	143.7
114.5	141.9
115	140
115.5	138.2
116	136.4
116.5	134.9
117	133.1
117.5	131.5
118	129.4
118.5	127.9
119	126.5
119.5	124.6
120	123.2
120.5	121.9
121	120.5
121.5	118.7
122	117.5
122.5	115.9
123	114.7
123.5	113.4

IES ROAD REPORT
PHOTOMETRIC FILENAME : AGB2A-250WHPS.IES

CANDELA TABULATION - (Cont.)

124	112.2
124.5	110.8
125	109.5
125.5	108.5
126	107.4
126.5	105.8
127	105.1
127.5	103.5
128	102.6
128.5	101.6
129	100.2
129.5	99.1
130	97.9
130.5	96.6
131	95.2
131.5	94.2
132	92.7
132.5	91.3
133	89.7
133.5	88.1
134	87.1
134.5	84.9
135	83.9
135.5	82.3
136	80.5
136.5	78.9
137	77.5
137.5	75.6
138	74
138.5	72
139	70.3
139.5	68.3
140	66.7
140.5	64.8
141	63
141.5	61
142	58.9
142.5	57
143	55
143.5	53.6
144	51.5
144.5	49.7
145	47.8
145.5	46
146	44.2
146.5	42.5
147	40.7
147.5	39.1
148	37.5
148.5	35.9
149	34.7
149.5	32.9
150	31.3
150.5	29.7
151	28.5
151.5	26.9

IES ROAD REPORT
PHOTOMETRIC FILENAME : AGB2A-250WHPS.IES

CANDELA TABULATION - (Cont.)

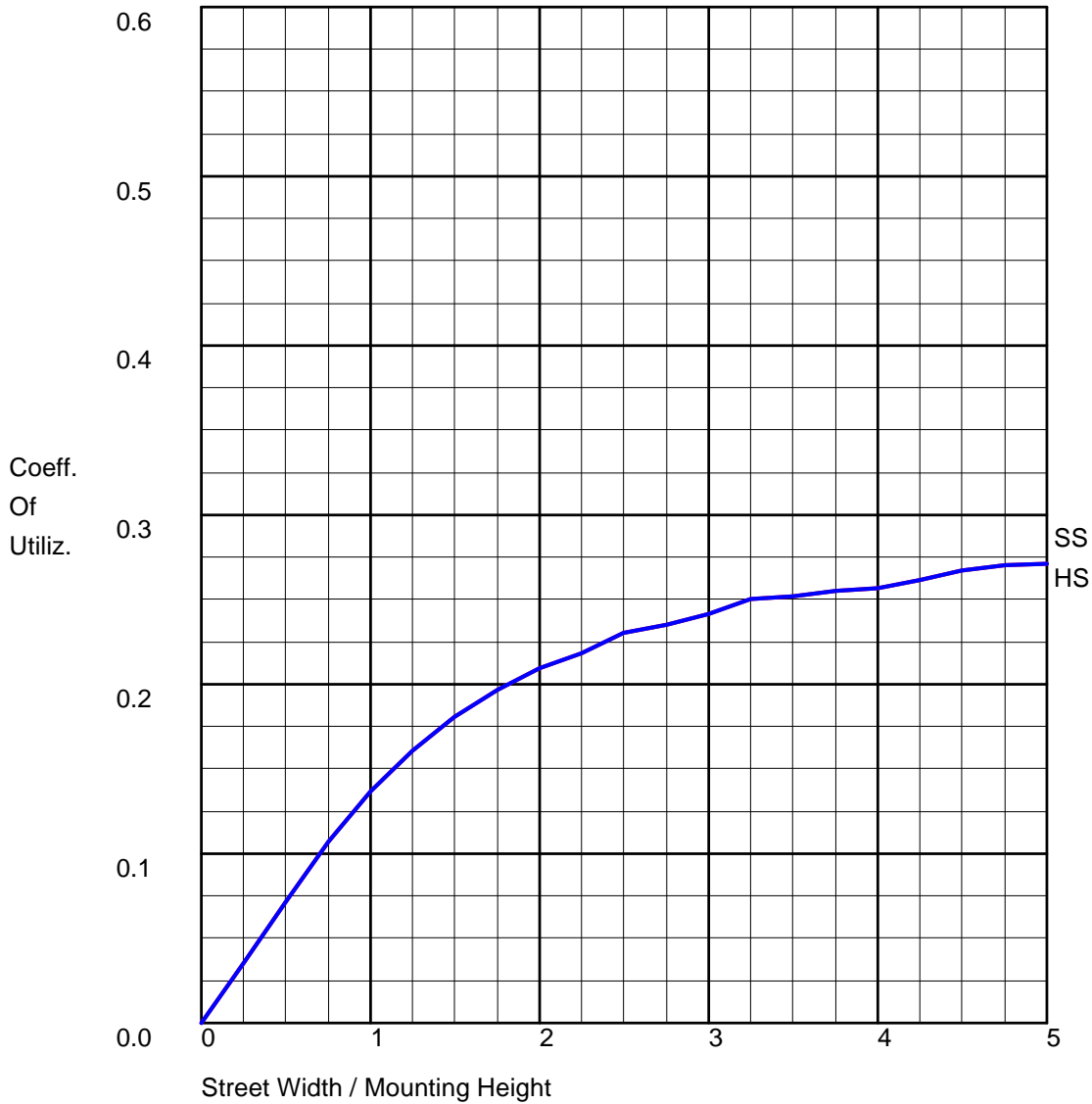
152	25.5
152.5	24.2
153	23
153.5	21.6
154	20.5
154.5	19.3
155	18
155.5	16.8
156	15.6
156.5	14.3
157	13.3
157.5	12.2
158	10.8
158.5	9.7
159	8.7
159.5	7.6
160	6.7
160.5	5.7
161	4.6
161.5	3.7
162	3
162.5	2
163	1.4
163.5	0.9
164	0.3
164.5	0
165	0
165.5	0
166	0
166.5	0
167	0
167.5	0
168	0
168.5	0
169	0
169.5	0
170	0
170.5	0
171	0
171.5	0
172	0
172.5	0
173	0
173.5	0
174	0
174.5	0
175	0
175.5	0
176	0
176.5	0
177	0
177.5	0
178	0
178.5	0
179	0
179.5	0

IES ROAD REPORT
PHOTOMETRIC FILENAME : AGB2A-250WHPS.IES

CANDELA TABULATION - (Cont.)

180 0

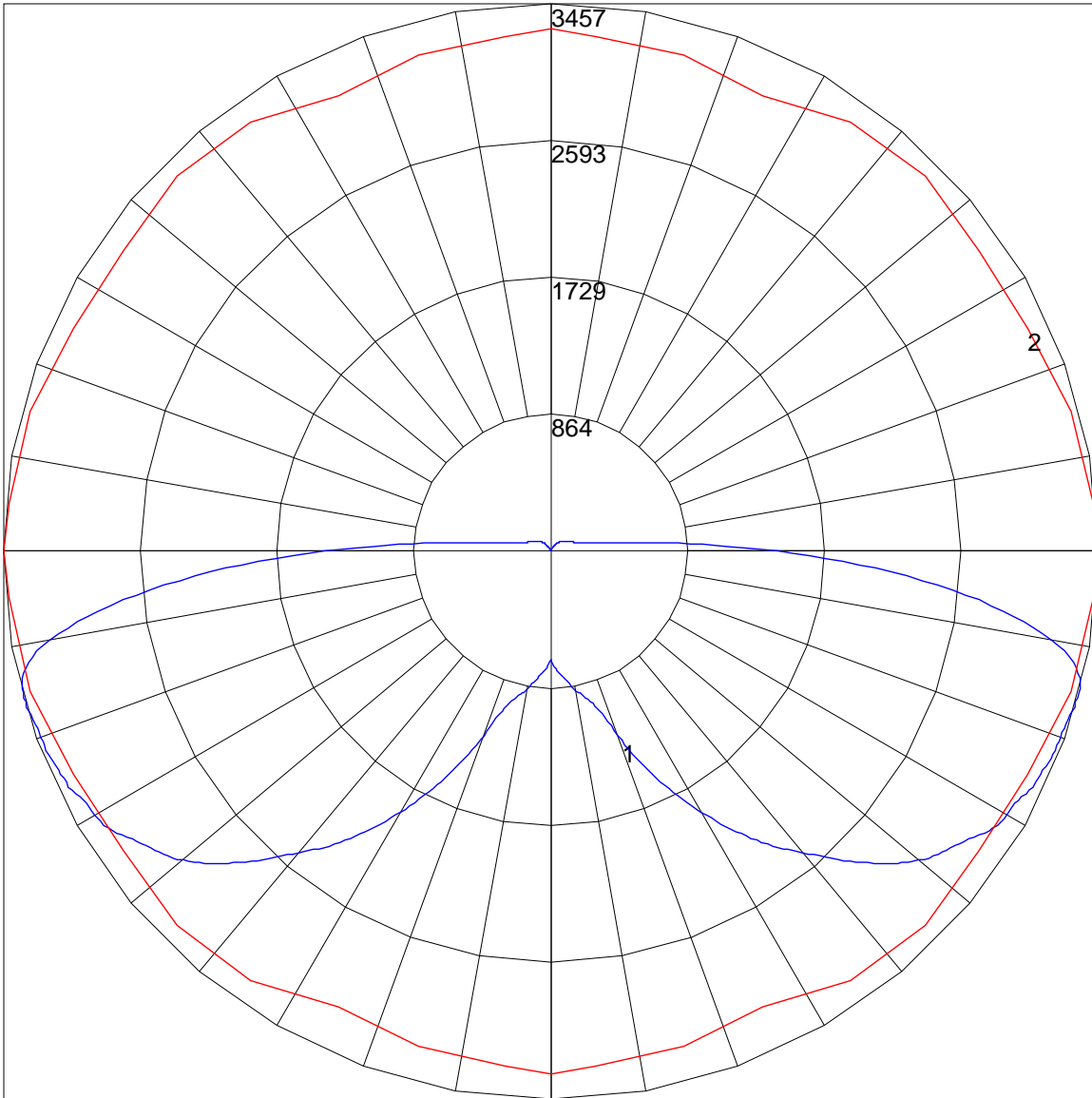
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

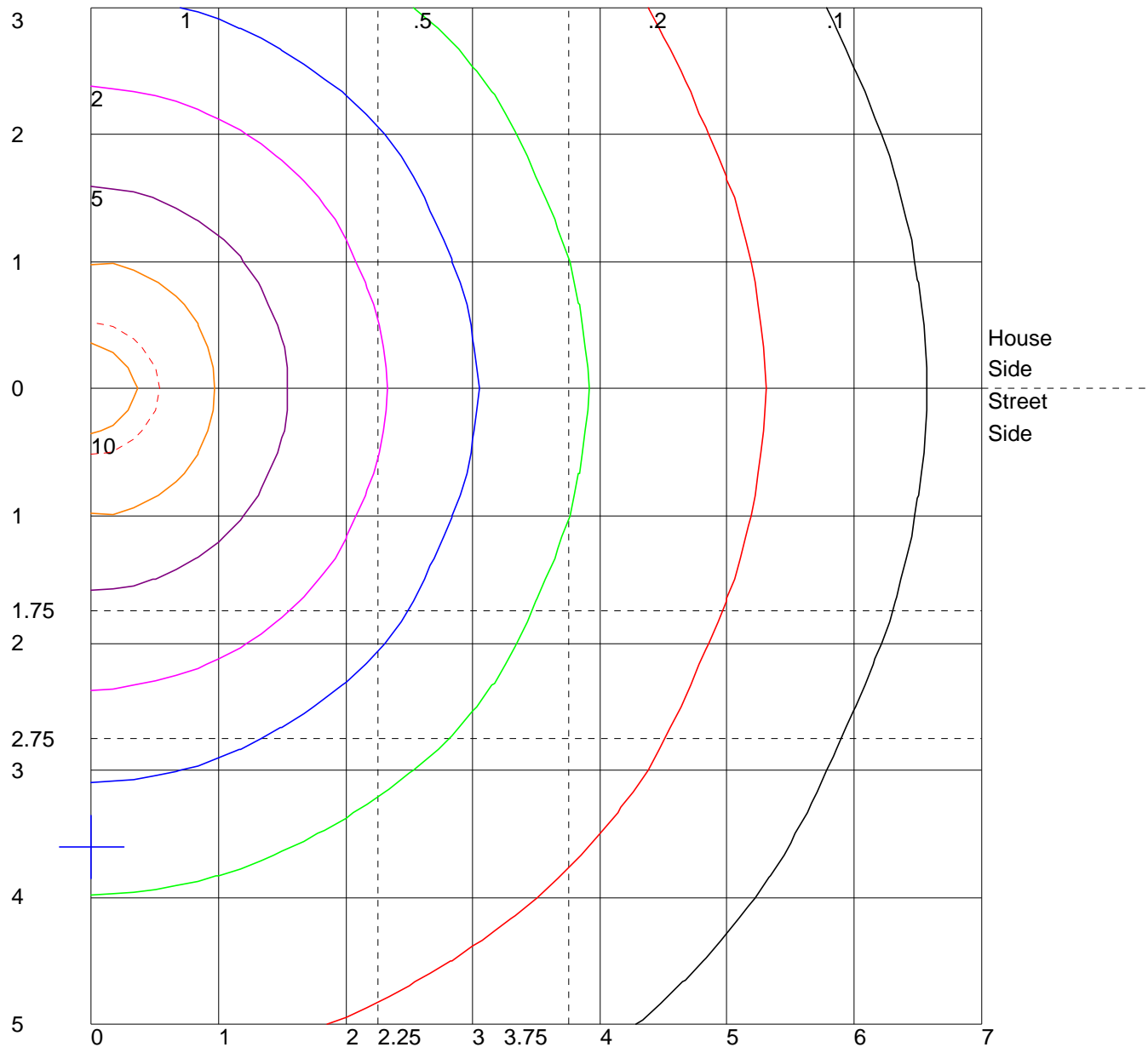
	Lumens	Percent Of Lamp
Downward Street Side	8347.0	30.4
Downward House Side	8347.0	30.4
Downward Total	16694.0	60.7
Upward Street Side	658.8	2.4
Upward House Side	658.8	2.4
Upward Total	1317.6	4.8
Total Flux	18011.6	65.5

POLAR GRAPH



Maximum Candela = 3457.2 Located At Horizontal Angle = 0, Vertical Angle = 74.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (74.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
 Values Based On 10 Foot Mounting Height
 1/2 Maximum Candela Trace Shown As Dashed Curve
 (+) = Maximum Candela Point