



Brandon Industries, Inc.
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IES ROAD REPORT

PHOTOMETRIC FILENAME : AGB2A-100WMH.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 14060

[TESTLAB] LUMINAIRE TESTING LABORATORY, INC.

[ISSUEDATE] 10-08-2008

[MANUFAC] BRANDON INDUSTRIES, INC.

[LUMCAT] 100WMH-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 M90 100 WATT ED17 PULSE START METAL HALIDE LAMP

[MORE] RATED AT 9000 LUMENS.

[LAMPCAT] PHILIPS MH100/U/M/PS

CHARACTERISTICS

IES Classification	Type V
Longitudinal Classification	Long
Cutoff Classification	Non-Cutoff
Total Rated Lamp Lumens	9000
Maximum Candela	1004.8
Maximum Candela Angle	25H 85.5V
Maximum Candela At 90 Degrees Vertical	966.7 (10.74% Lamp Lms)
Maximum Candela At 80 Degrees Vertical	1004.8 (11.16% Lamp Lms)
Downward Total Efficiency	48.8%

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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	124.5	124.5	124.5	124.5	124.5	124.5	124.5	124.5	124.5	124.5
0.5	126.6	126.5	125.1	125.4	125.6	126	127	127.6	129	130.3
1	129	129.3	127.9	128.1	128.1	128.6	129.7	130.2	131.7	132.6
1.5	131.3	131.6	130	130.3	130.3	131	132	132.5	134	134.9
2	132.8	133	132	132.1	132.2	133	134	134.8	136.3	136.9
2.5	134	133.9	133.1	133.5	133.6	134.4	135.5	136.1	137.2	138.1
3	134.8	134.7	134.1	134.6	134.8	135.1	136.2	136.8	137.7	138.3
3.5	135.2	135.6	135.2	135.5	135.7	136.1	137	137.4	138.3	138.5
4	136.4	136.7	136.1	136.7	137	137.3	138.3	138.2	139.2	139.1
4.5	137.6	137.9	137.5	138.3	138.7	139	139.9	139.8	140.2	139.8
5	138.9	139.3	139	139.6	140.6	140.6	141.3	140.8	141.3	141.6
5.5	140.6	141	140.4	141.3	142.1	142.3	143	142.6	143	143
6	141.8	142.6	142.1	142.9	143.7	144	144.5	144.1	144.1	144
6.5	143.8	144.5	143.4	144.6	145.5	145.8	146.3	145.8	145.8	145.9
7	145.6	146.1	145.3	146.4	147.1	147.7	148.1	147.3	147.4	147.6
7.5	147.7	148.1	147.1	148.3	149	149.3	149.9	149.4	149.3	149.3
8	150	150.5	149.5	150.6	151.1	151.5	151.7	151.1	150.7	151
8.5	152.6	152.9	151.9	152.7	153.5	153.9	154.1	153.3	153.1	153.4
9	154.9	155.5	154.3	154.8	155.8	156.4	156.6	155.6	155.9	155.7
9.5	157.1	157.6	156.9	156.9	158	158.2	158.5	157.6	157.9	157.8
10	159.5	159.8	159.1	159.1	160.1	160.6	160.6	159.8	160	160
10.5	161.4	162.2	161.4	161.3	162.2	162.6	162.7	161.8	162.1	162
11	163.5	164.3	163.4	163.3	164.3	164.4	164.7	163.8	164.1	163.9
11.5	166	166.2	165.5	165.7	166.2	166.4	166.8	165.9	166.2	166.1
12	167.9	168.4	167.5	167.8	168.3	168.3	168.8	168.2	168.3	168.1
12.5	169.9	170.3	169.5	169.9	170.2	170.4	170.7	170.1	170.2	170.4
13	172.2	172.5	171.4	172	172.2	172.2	172.6	172.1	172.4	172.2
13.5	174.1	174.5	173.6	174.1	174.4	174.3	174.8	174	174.3	174.4
14	176.1	176.2	175.6	175.9	176.1	175.9	176.7	175.9	176	176
14.5	178.3	178.4	177.4	177.9	178.2	177.9	178.4	178	178.2	178
15	179.8	180.3	179.4	179.8	179.6	179.9	180.3	179.8	180	180.2
15.5	181.6	182	181.1	181.6	181.6	181.8	182.2	181.5	181.9	181.7
16	183.4	183.9	183.1	183.5	183.5	183.3	184.1	183.4	184.2	183.8
16.5	185.1	185.8	184.9	185.4	185.5	185.2	185.9	185.1	185.8	185.5
17	187.1	187.5	186.7	187.2	187.2	187.1	187.6	186.9	187.8	187.6
17.5	189.2	189.4	188.3	188.8	188.9	188.9	189.4	188.7	189.4	189.5
18	190.8	191.3	190.5	190.7	190.8	190.9	191.5	190.5	191.5	191.6
18.5	192.9	193.3	192.3	192.5	192.5	192.7	193.1	192.5	193.2	193.3
19	194.9	195.4	194.4	194.4	194.7	194.7	195.2	194.5	195.1	195.5
19.5	197	197.4	196.5	196.2	196.4	196.6	197	196.5	197.2	197.7
20	198.9	199.4	198.4	198.4	198.5	198.6	199	198.6	199.4	199.7
20.5	201.2	201.5	200.4	200.3	200.5	200.5	201.1	200.6	201.7	202.1
21	203.4	203.8	202.7	202.4	202.6	202.7	203.3	202.8	204.2	204.3
21.5	206.1	206.1	204.9	204.5	205	204.9	205.6	205.4	206.8	206.8
22	208.5	208.6	207.3	207	207.2	207.4	208	207.7	209	209.3
22.5	211.4	211.2	209.8	209.2	209.5	209.8	210.6	210.3	211.8	212.3
23	213.4	214.2	212.4	212	212.1	212.7	213.4	212.8	214.5	215.1
23.5	216.6	216.9	215.4	214.8	214.9	215.8	216.4	216	217.9	218.3
24	219.6	220.2	218.5	217.7	218	219.2	219.9	219.3	220.9	222.1
24.5	223	223.5	222.3	221.2	221.7	222.4	223.9	223.3	224.7	226.2
25	227.2	227.6	226.4	225.3	226.2	226.6	229.1	228.2	229.5	230.7
25.5	232.1	232.6	231.5	230.4	232	231.8	234.8	234.5	235.3	236.4
26	237.9	238.6	237.1	236.7	239.7	238	241.7	241.9	242.9	243.4

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CANDELA TABULATION - (Cont.)

26.5	245.5	246.3	244.4	245.2	248.6	246.8	250.2	251.6	251.4	251.8
27	255.9	255.9	253.5	256.8	259.3	259	260.5	263.1	260.7	261.4
27.5	267	266.5	265.4	270.3	271.6	273.6	272.7	276.9	271.4	272.1
28	281.4	279.4	280.5	285.2	287.1	288.4	286.7	294	284.3	284.1
28.5	293.4	293.9	299	300.7	306	303.1	301.1	311.4	301	296.5
29	307.7	311.5	317.7	319.3	328.6	318.3	317.6	328.9	322.5	309.3
29.5	321.2	330.5	337.6	342.9	350.9	336.8	336.3	347.3	345.8	322.9
30	337.1	350.5	359	371.2	369	357.1	357.2	364.8	365.1	336.3
30.5	352.7	370.7	381	402.2	386.3	380.1	381	381.1	383.3	351.2
31	369.5	387.6	400	427.8	404.6	405.1	404.4	397.6	401	365.9
31.5	386.8	402	415.7	445.7	424.7	428.7	420.2	413.8	417.7	382.1
32	406.7	418.1	430	456.5	442.8	446.4	431.7	431.4	432.8	401.2
32.5	425	436.6	444.7	468.2	461.9	461.6	443.1	449.1	448	420.1
33	439.8	455	462.1	480.7	484	475.6	456.8	465.5	461.9	436.9
33.5	454.3	473	479.8	494.1	510	490.5	468.1	482.5	474.9	450.1
34	470	490.8	502	506.6	537.2	507.9	479.6	499.7	485.6	460
34.5	486.6	508.3	521.5	518.3	558.6	524.3	492	515.1	494.3	467.9
35	497	525.8	537	530	571.1	534.2	505.5	525.9	506.4	475.6
35.5	505.1	539.5	553.2	543.4	577.6	539.9	521.9	535.5	520.5	483.9
36	513.1	549.8	570.2	557.3	585.6	544.9	540.1	544.3	539.1	492.5
36.5	524.5	557.4	585.3	572.6	597.2	550.9	557.5	551.9	557.1	500.8
37	535.2	565.5	598.8	590.3	616.5	558	575.3	561.2	573.7	510.5
37.5	545.3	574.5	608	610	639.6	566	590.2	570	583.6	519.2
38	553.6	587.6	616.3	625.3	656.1	577	601.8	577.1	587.4	529.3
38.5	566.3	599	623.2	640.7	660.4	590.5	612.1	583.6	589.8	539
39	573.9	606.8	629.3	652.6	658.3	604.8	622.9	591.9	593.8	548
39.5	583.6	610.7	633.2	661.8	654.6	619.5	635.4	603.3	599.4	553.5
40	590.4	614.1	640.1	670	656.3	634.9	648	615.1	603.4	559
40.5	596.6	619.4	648.8	676.7	663.5	647.5	653.7	627.2	607.1	564.6
41	602	626	659.9	684.1	671.3	658.6	651.6	632.7	609.8	571.1
41.5	609.9	635.7	670.1	692.8	680.7	666.5	647.4	636.3	612.9	576.3
42	620.6	645.8	677.8	701.3	686.9	670.6	646.1	638.5	615.8	580.5
42.5	629.3	656.3	687	705.5	692.5	675.9	651.1	640.8	618.8	584.1
43	637.4	665.6	691.3	706.7	700.9	687.5	661.2	641.6	623.4	590.7
43.5	641.7	671.7	693.6	706	713.7	694.3	669.6	641	625.7	598.3
44	650.5	674.9	692.7	707.7	727.6	695	675.4	638.9	630	604.5
44.5	656.5	678.9	692.7	714.6	740.3	696.1	681.8	639.6	634.3	609.7
45	665	684	696.4	726.3	749.6	699.9	686.4	643	643.5	611.6
45.5	676.1	691.3	706.6	735.2	751.2	706.3	694.6	650.7	651.9	611
46	687.9	701.7	720.4	742.3	746.4	714.3	703.9	658.5	662.5	607.9
46.5	694.5	712.1	734.1	747.4	743.2	723.4	714.9	667.8	670.6	606.2
47	695.9	717	744	751.9	745.4	728	725.8	674.1	676.9	606.9
47.5	689.8	718.3	747.7	756.8	753.3	729.1	732.6	679.7	683.5	609.6
48	681.3	714.4	747.5	761.7	762.1	728.9	740.7	683.2	690.9	613.7
48.5	675.5	711.9	744.2	765.5	771.2	730.3	752.1	684.2	698.1	615.7
49	674.7	711.1	742.3	768.6	780.2	738.4	760.3	679.9	703.2	616.6
49.5	676.9	710.7	743.2	775.8	789.3	750.5	759.6	675.1	705.5	617.6
50	681.2	711.2	746.6	781	799.8	762.8	751.3	669.7	705.8	617.4
50.5	682.7	715.7	754.5	791.1	810.1	774.4	741.3	665.6	701.3	617.4
51	686.3	721.6	760.8	803.9	813.3	778.5	729.7	666	698.3	619.1
51.5	691.4	727.7	763.7	817.7	815.2	777.6	721.8	669.1	696	621.1
52	702.3	735.2	765.1	828.5	816.1	772.3	716.7	677.7	694.8	625.5
52.5	714	740.3	765	830.3	811.1	770	717.1	688.3	691.3	630.8
53	724.3	742	764.3	827.8	803.3	770.2	721	695.5	685.9	638.2
53.5	731	744.2	767.1	820.7	796.1	770.5	726.2	698.4	679.4	647.9
54	734.3	743	773.5	816.4	793	773.9	734.5	700.7	671.5	658.3

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CANDELA TABULATION - (Cont.)

54.5	736.8	740.8	780.8	818.8	796.3	780.6	739.5	700.3	666.5	666.7
55	730.1	734.1	789.7	823.1	802	786.2	744.8	700.3	665.8	670.8
55.5	721.9	730.9	793.5	829.6	810.9	788.2	745.1	703.6	671.6	669.9
56	714.3	728.1	797.2	839.3	820	787.7	744.9	707.5	680.5	667.5
56.5	712.6	727.5	802	846.9	826.9	790.1	743.9	709.7	690.9	663.2
57	713.2	731.3	807.3	850.4	832.4	795.1	744.6	710.6	700.2	657.9
57.5	720	740.3	813.8	850.3	841.7	803.2	748	711	704.7	652.5
58	732	752.3	819.5	846.8	850.8	811.4	752	709.7	706.4	650.4
58.5	744.4	765.7	824.2	844.5	860.2	817.2	756.8	711.1	704.3	649.6
59	758.7	777.3	827.2	842.4	867.1	826.8	761.1	715.1	702.3	651
59.5	770	786.2	830.3	843	877.4	836.8	765.9	721.8	705.6	655
60	778.9	791.9	828.5	846.6	885.1	848.7	769.5	726.3	712.8	662.7
60.5	781.9	797.2	829.3	852.2	887.2	862	776.8	730.5	720.3	669.3
61	786.2	801.6	831.7	863.8	888.4	877	781	735.8	725.6	675.1
61.5	791	808.9	838	872.5	888.4	887.9	788.7	742.3	732.3	676.7
62	789.5	817.2	845.6	880	887.8	894.7	792.9	750.9	739	678.3
62.5	787.6	822.8	852.3	880.7	881.3	896.8	795.3	764.8	743.3	679.3
63	783.7	825.3	860	879.4	874.5	897	799.5	778.5	742.5	679.7
63.5	783.8	827	868.8	878.1	870.8	897.3	809	791.7	742	677.5
64	783.5	828.1	875.4	879.2	870.7	900.4	822.3	801.7	743.8	673.4
64.5	780.2	827.4	880.5	879.1	873.9	908	831.7	809.3	746.1	670.8
65	779.3	823.7	884.8	881.9	879.2	916.2	836.5	815.7	747.7	670
65.5	778.9	817.8	888.6	888.8	886.9	920.8	842	820.3	748.2	670.1
66	783.8	818.1	893.6	900.3	892.7	917.7	854.4	819.3	750.5	669
66.5	794	820.3	897.1	911.2	896	909.3	865.1	815.3	754.2	670.3
67	805.3	819.5	897.6	917.5	899.9	893.5	870.5	808.1	762	674.3
67.5	818.6	820.4	896.3	923.1	904.9	877.5	871.9	798.3	771.6	678.3
68	836	822.2	889.6	928.4	909.4	862.9	869.8	792.4	781.9	684.8
68.5	855.7	826.4	879.1	932.2	911.2	853.9	871.3	790.4	790.7	691.4
69	868.1	832.5	868.9	931.1	911	853.1	872.2	793.4	800	700.8
69.5	869.6	836.7	860	929	915.5	860.4	873.5	795	811.3	712.8
70	863.4	840	857.9	928	922.8	871.5	875.2	796.4	817.8	723.1
70.5	858.3	841	862.4	921.6	931.7	879.7	885.3	791.8	819	729
71	853.3	842.5	870.3	911.3	936.2	882.8	900.7	788.8	818.4	733.9
71.5	852.5	846.5	878.5	904.6	935.5	884.8	920.5	787.1	817.3	736.6
72	853.3	851	888.9	905	934.2	889.1	929.2	793.8	818	736.5
72.5	856.9	854.1	895.4	911.4	933.5	899.7	931.3	805.5	818.6	735.8
73	857.9	856.5	904.3	922.5	933.1	915.5	932.1	819.7	816	734.7
73.5	858.7	859.4	908.3	932.7	933	936.4	930.6	832.9	810.3	730.9
74	853	861.9	911.7	938.1	929.8	956.1	929.8	842.8	804.8	726.6
74.5	849	862.5	916	941.2	928.8	973.9	922.4	848.5	798.1	720.9
75	848.8	861.2	920.1	946	927.4	988.2	905.6	849.8	795.8	713.3
75.5	852.6	857.7	928.4	951.4	925.2	996.4	894.2	851.1	794.1	709.7
76	864.7	855.5	935.3	955.2	925	997.2	889	847.8	790.6	707.8
76.5	877.5	856.1	942.1	956.6	923	991.2	887.8	841.6	789.2	707.5
77	889.6	857.2	944.1	955.3	926	983	887.2	837.2	790.3	707.4
77.5	890.7	854.6	942.7	952.4	929.9	968.1	885.9	838.2	791.6	706.8
78	891	848.7	936.3	952.4	936.2	955.1	882.6	841.3	790.5	706
78.5	887.8	843.8	929.7	954.5	938.8	945.1	878.3	844.4	787.4	705.8
79	878.8	839.7	923.9	959.2	940	937	874.5	845.5	782.2	705.2
79.5	865.5	834.8	918.1	958.9	940	934.1	873.9	843.3	775.2	705.5
80	850.6	830	915.8	955.7	940.8	931.2	872.1	842	772.3	706.8
80.5	835.1	827.5	916	952.8	942	930.6	871.4	843.8	772.2	708.8
81	825.8	825.3	920.9	950.5	947.4	928.4	873.3	845.4	768.3	710.5
81.5	830.3	826.6	928.8	950.8	954	924.4	879.2	843.1	763.1	712.8
82	847.8	833.8	935.6	958.7	953.7	919.8	884.7	840.3	758.7	714.3

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CANDELA TABULATION - (Cont.)

82.5	867.8	844.2	941.9	965.6	950.8	919.3	889.8	837.5	760.8	714.9
83	889.6	858	945.6	970.2	945.7	921.7	894.8	837.7	765.9	714
83.5	909	868.8	950.3	975.8	943.7	924.5	896.4	841.5	769.9	714.3
84	925.8	879.4	948	984.6	942.5	928.3	895.6	846.4	773	712
84.5	936.3	882.8	943.5	993.7	942.9	932.9	894.7	848.6	775.1	710.5
85	938.3	881.8	936.3	999.8	944.2	936.4	894	848.2	779.8	709.8
85.5	931.8	875.1	927.2	1004.8	943.7	935.9	890.9	844.2	783.6	710.4
86	919.5	865.8	916.1	1000.5	943.7	930	889.5	840.5	785.1	712
86.5	904.2	855.9	905.4	990.4	947.3	921.6	890	836.5	783.2	715.1
87	888.7	847.8	897	979.9	953.9	910.4	886.4	832	777.2	718.8
87.5	878.1	841.9	887.7	970.2	959	897.3	885.4	825.7	771.3	720.1
88	867.7	838.8	881.5	961	960.2	888.1	887.3	820.1	767.7	721.5
88.5	855.7	838.7	877	949.9	963.6	883	888.2	815.1	764.9	717.9
89	846.3	841.6	878.2	938.8	964.9	882.3	889.5	812.3	762.6	710.7
89.5	842.2	845.5	882.6	926.8	967.2	885.8	891.2	807.9	761.3	701.5
90	838.3	847.1	888.9	914.2	966.7	894.1	893.7	803.3	760.5	693
90.5	836.3	846.7	893.3	902	963.2	904.3	896.7	798.3	760	685.2
91	833.9	841.9	900	891.7	954.6	915.2	900	796.5	764.6	679.9
91.5	831.3	835.8	905.2	888	944.8	921.7	900.1	798	768.4	675.9
92	829.9	828.5	906.1	890.3	935.5	923.6	899.3	798.9	775.8	673.2
92.5	826.4	822.7	905	899.1	927.8	920.3	898.3	798.8	781.8	674.4
93	826	818	899.5	911.3	921	915.4	897.2	800.2	789.3	677.2
93.5	823.4	814.1	894.6	923.5	917.9	911.8	895	806.1	790.7	684.1
94	826.3	812.7	889.5	932.7	922.7	907.3	887.3	810	791.3	695.2
94.5	827.5	812.3	889.8	938.5	933.1	905.1	878.7	812.7	789.6	708.4
95	828	811.4	893.5	942.5	948.6	904.8	867.5	810.4	788.7	722.6
95.5	829.4	811	902.5	943.7	960.8	905.3	859.8	811	787.8	736.2
96	830.7	811.3	909.3	945.5	969.8	903.5	852.6	815.9	784.4	749.1
96.5	833	812.4	913	947.4	971.9	901.2	847.5	820.7	779.5	758.3
97	835	815.4	913.4	954	967.6	899.1	842.8	824.3	776.1	765.2
97.5	840.6	821.9	909.7	959.1	956.9	897.6	840	825	775.4	768.3
98	849.2	828.2	904.9	966.3	942.2	898.3	839.3	825.6	773.9	765.4
98.5	863.6	837.1	900.2	972.3	929	903.6	841.1	825.6	770.1	759.3
99	877.3	845.3	898	974.1	918.9	912.3	846.4	823.1	766.3	751.6
99.5	887.6	852.7	899.9	975.3	912.9	919.5	854.1	822.5	761.9	742.2
100	898.9	856.2	906	973	910.6	923.8	861.6	819.5	756.2	730
100.5	902.3	855.4	915.7	966.8	912.6	924.4	869.7	813.6	748.8	719.2
101	898.3	851.7	926.6	959	917.8	922.3	876.5	805.4	741	708.6
101.5	885.8	844.8	936.5	951.1	920.2	919.5	882.6	797	732.3	698.8
102	869.7	835.6	940.8	943.1	919.7	917.3	887.6	789.7	723.3	689.8
102.5	848.4	823.5	940.3	935.5	913.8	910.9	888.3	785.3	718.3	680.5
103	826.6	810.2	935.1	926.2	905.7	899	884.4	782.6	715.5	673.2
103.5	805.2	796.3	923.7	914.7	896.8	884.3	878.6	778.6	715.4	667.8
104	781.5	782.9	908.4	904.1	888.8	868.2	871.2	775.8	711.7	666.4
104.5	758.7	767.8	887.8	895.3	882.7	853.8	860.2	770.8	709.8	664.3
105	736.8	753.6	868.4	887.8	877.8	845.2	847.1	767.3	705.9	662.1
105.5	717.5	739.2	850.3	882	873.4	836.2	832.2	762.3	702.8	659.2
106	697.8	724.8	833.1	874.9	865.4	828.9	815.7	757.5	696.9	653.4
106.5	682.2	708.6	816	865.9	858.1	821.1	796.6	749.5	687.8	644.2
107	665.2	690.8	801.3	855.8	847.8	812.4	777.6	738.8	676.1	631
107.5	647.2	669	787.7	844.7	832.4	803.6	759	725.4	661.8	611.8
108	627.4	643.8	773.2	833.2	815.4	793.7	745.2	712.9	647.3	589.7
108.5	600.1	615.3	755.8	818.4	798.4	780.6	734.7	699.3	630.9	562.9
109	566.6	584.4	735.3	801.5	781	765.1	724.3	685.8	614.6	531.3
109.5	532.7	552.1	711.1	783	761.3	746.4	715.5	673.9	594.2	496.5
110	495.4	519.2	684.8	761.7	739.4	727.2	705.3	659.8	573.1	462.9

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

110.5	455.6	484.8	657.2	736.3	712.6	704.6	694.8	643.6	550.6	426.5
111	418.3	450.2	625.6	706.2	683.6	680.3	677.9	622.8	526.4	390.3
111.5	379.3	416.9	592.6	672	650	654.6	655	596.8	500.3	356.2
112	342.6	383.8	553.4	634.5	612.7	623.9	622.6	563.9	471.5	321.7
112.5	309	350	511.9	592.7	572.5	588.6	583.5	525.9	442.1	290.6
113	279.2	317.1	467.9	546.8	529.1	548.7	537.6	483.5	407	262.8
113.5	251	287.2	420.9	496.3	481.5	501.7	486.4	436.4	368.2	237.5
114	228.1	258.8	374.5	443.4	432	450.3	429.2	385.2	327.7	213.9
114.5	208	233.1	328.2	388.8	381.1	395.6	373.4	333.2	287.5	192.1
115	188.9	208	284.6	334.2	330.8	340.4	318.9	284.2	248.6	171.6
115.5	172.1	185	244.7	282.6	282.2	289.6	269.6	240.1	212.2	152.9
116	156.4	165.4	209.1	238.1	239.8	243.8	225.7	200.7	180.2	136.2
116.5	141.9	146.9	178	198.5	201.4	203.6	188.6	167.5	152.7	121.7
117	129.7	131	152.1	166.8	170.8	171.1	158.6	141.1	130.4	109.9
117.5	117.7	117.5	131.4	141.4	145.4	144.9	135	120.2	112.5	99.7
118	106.9	105.7	114.7	121.1	125.3	124.3	116.3	103.9	98.1	91
118.5	97.4	95.6	101.4	105.4	109.4	108.6	101.6	91.1	87	83.7
119	89	87.1	90.7	92.8	96.8	96.4	90.3	81.7	78.6	77.4
119.5	81.3	80.1	82.2	82.9	86.8	86.3	81.2	74.3	71.9	71.7
120	74.5	73.9	75.4	75	78.5	77.8	73.8	68.4	66.6	66.5
120.5	68.9	68.9	69.5	68.6	72.2	71.1	68	63.6	62.7	62.5
121	64	64.3	64.7	63.5	66.6	65.3	63.1	59.9	58.8	59.1
121.5	60	60.6	60.5	59.3	61.9	60.5	59	56.5	55.8	56
122	56.7	57	57	56	57.7	56.5	55.3	54	53.4	53.4
122.5	53.9	54.1	53.6	53	54	53.1	52.2	51.5	51.3	51
123	51.4	51.6	51.1	50.6	50.9	50.3	49.8	49.6	49.3	49.1
123.5	49.2	49.4	48.8	48.5	48.5	47.8	47.7	47.7	47.6	47.3
124	47.2	47.4	46.8	46.7	46	45.8	45.7	46	46	45.7
124.5	45.2	45.5	45.2	45.1	44.2	44	44.1	44.5	44.6	44.2
125	43.6	44.1	43.8	43.5	42.4	42.3	42.7	43.1	43.4	42.9
125.5	42.3	42.6	42.3	42.2	41	40.9	41.6	42	42.2	41.8
126	41.3	41.3	41.3	40.9	39.7	39.8	40.2	40.8	41.1	40.8
126.5	40	40.2	40.3	39.7	38.6	38.4	39.4	39.9	40.3	39.6
127	39.1	39	39.2	38.6	37.5	37.3	38.4	38.8	39.5	38.9
127.5	38.1	38.1	38.2	37.8	36.6	36.3	37.6	38	38.7	38.1
128	37	37.1	37.4	36.7	35.7	35.3	36.8	37.1	37.7	37.3
128.5	36.4	36.4	36.5	36	34.8	34.6	35.8	36.4	37.1	36.5
129	35.7	35.5	35.8	35.2	34	33.9	35	35.7	36.3	35.8
129.5	34.9	34.8	34.9	34.3	33.3	33.1	34.3	34.8	35.7	35.1
130	34	34.1	34.3	33.7	32.6	32.3	33.4	34.1	34.8	34.6
130.5	33.3	33.5	33.5	32.9	31.9	31.6	32.8	33.5	34.2	34
131	32.7	32.8	32.8	32.3	31.4	31	32.3	32.9	33.6	33.3
131.5	32	32.1	32.1	31.6	30.8	30.5	31.6	32.3	33	32.6
132	31.5	31.4	31.4	31	30.1	29.9	31	31.7	32.5	32.1
132.5	30.7	30.9	30.8	30.4	29.6	29.3	30.4	31.1	31.8	31.4
133	30.2	30.1	30.2	29.7	29	28.8	29.8	30.6	31.2	31
133.5	29.7	29.8	29.8	29.1	28.5	28.3	29.3	30.1	30.6	30.3
134	29.1	29	29	28.8	28	27.8	28.7	29.6	30.1	29.8
134.5	28.5	28.5	28.5	28.2	27.5	27.1	28.2	28.9	29.5	29.1
135	28	27.9	27.8	27.6	26.9	26.7	27.7	28.4	29	28.7
135.5	27.4	27.3	27.4	27.2	26.5	26.1	27.1	27.8	28.4	28.1
136	26.8	26.8	26.8	26.7	25.9	25.8	26.7	27.5	27.8	27.6
136.5	26.2	26.1	26.3	26.1	25.4	25.3	26.1	26.9	27.4	26.9
137	25.6	25.6	25.7	25.6	25	24.8	25.7	26.3	26.9	26.4
137.5	25	24.9	25	25.2	24.6	24.3	25.1	25.9	26.2	25.7
138	24.3	24.4	24.6	24.4	23.9	23.9	24.6	25.3	25.6	25.1

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

138.5	23.8	23.7	24.1	24.2	23.5	23.4	24.3	24.7	25	24.6
139	23.1	23.2	23.4	23.5	23	22.9	23.7	24.2	24.3	23.9
139.5	22.5	22.6	22.9	22.9	22.5	22.4	23.1	23.6	23.6	23.1
140	22.1	21.9	22.3	22.6	21.9	21.9	22.7	23.1	23	22.6
140.5	21.3	21.5	21.7	21.8	21.4	21.4	22	22.5	22.2	21.9
141	20.7	20.6	21	21.2	20.7	20.8	21.5	21.9	21.9	21.1
141.5	20.1	20	20.4	20.7	20.3	20.3	20.9	21.2	20.9	20.4
142	19.3	19.4	19.7	20.1	19.6	19.8	20.4	20.7	20.3	19.7
142.5	18.5	18.5	19.2	19.4	19	19.1	19.6	19.9	19.4	19
143	17.8	18	18.5	18.7	18.3	18.5	19.1	19.2	18.8	18.4
143.5	17.1	17.3	17.7	18.1	17.8	17.8	18.4	18.5	18.2	17.5
144	16.4	16.5	17.2	17.5	17	17.1	17.5	17.8	17.4	16.7
144.5	15.9	15.9	16.3	16.8	16.3	16.4	16.9	16.9	16.5	16
145	14.9	15.2	15.7	16	15.6	15.8	16	16	15.8	15.1
145.5	14.3	14.6	14.9	15.4	14.9	15.1	15.3	15.3	15	14.4
146	13.8	13.8	14.3	14.6	14.2	14.3	14.5	14.5	14.3	13.7
146.5	13.3	13.2	13.5	13.9	13.5	13.6	13.7	13.7	13.4	12.9
147	12.5	12.6	12.8	12.9	12.7	12.8	12.9	13	12.5	12.1
147.5	11.8	11.9	12	12.4	11.8	12	12.2	12.1	11.9	11.4
148	11.3	11.2	11.4	11.7	11.2	11.3	11.5	11.4	11.2	10.7
148.5	10.7	10.6	10.8	11	10.5	10.6	10.6	10.5	10.4	10.1
149	10.2	10.1	10	10.3	9.8	9.9	10	9.8	9.7	9.4
149.5	9.6	9.5	9.6	9.6	9.2	9.1	9.2	9.1	9	8.9
150	9.2	9	8.7	8.8	8.5	8.4	8.5	8.5	8.4	8.1
150.5	8.5	8.5	8.1	8.3	7.8	7.7	7.7	7.7	7.7	7.6
151	7.8	7.9	7.6	7.4	7.2	7.1	7.3	7.1	7.2	7.1
151.5	7.4	7.4	7	7	6.6	6.4	6.6	6.3	6.5	6.6
152	6.8	6.7	6.4	6.3	5.9	6	5.9	5.8	6.1	6.1
152.5	6.3	6.3	5.9	5.9	5.4	5.6	5.5	5.3	5.5	5.6
153	5.8	5.7	5.5	5.3	4.8	4.9	4.8	4.8	4.9	5.2
153.5	5.6	5.3	5	4.8	4.5	4.4	4.5	4.3	4.4	4.6
154	4.9	4.9	4.5	4.3	4.1	4	3.8	3.8	3.9	4.3
154.5	4.6	4.4	4	3.8	3.5	3.6	3.4	3.4	3.5	3.8
155	4.1	4.2	3.6	3.3	3	3.2	3	2.8	3.2	3.5
155.5	3.7	3.6	3.2	2.9	2.6	2.8	2.6	2.4	2.8	2.9
156	3.2	3.2	2.6	2.5	2.4	2.4	2.3	2.1	2.3	2.6
156.5	2.9	2.8	2.5	2.1	2	1.9	1.9	1.8	2	2.2
157	2.5	2.4	2	1.7	1.5	1.6	1.4	1.3	1.4	1.9
157.5	2	1.9	1.5	1.5	1.2	1.4	1.2	1	1.2	1.5
158	1.8	1.7	1.3	1	0.8	1	0.9	0.6	0.8	1.2
158.5	1.4	1.3	1	0.8	0.5	0.6	0.6	0.4	0.5	0.8
159	1.2	0.9	0.7	0.4	0.4	0.5	0.3	0.1	0.2	0.5
159.5	0.8	0.7	0.4	0.2	0.2	0.3	0.1	0.2	0.1	0.3
160	0.5	0.4	0.2	0.1	0.1	0.1	0	0	0.1	0
160.5	0.3	0.3	0.1	0	0	0.1	0	0	0	0
161	0.2	0.1	0	0	0	0	0	0	0	0
161.5	0.1	0	0	0	0	0	0	0	0	0
162	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
163	0	0	0	0	0	0	0	0	0	0
163.5	0	0	0	0	0	0	0	0	0	0
164	0	0	0	0	0	0	0	0	0	0
164.5	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0
165.5	0	0	0	0	0	0	0	0	0	0
166	0	0	0	0	0	0	0	0	0	0

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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	124.5
0.5	130.6
1	132.8
1.5	135.4
2	137.1
2.5	138.1
3	138.1
3.5	138.5
4	139.3
4.5	139.9
5	141.3
5.5	142.8
6	144.2
6.5	145.7
7	147.4
7.5	149.3
8	150.8
8.5	153.3
9	156
9.5	157.6
10	160
10.5	162
11	163.8
11.5	166.3

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CANDELA TABULATION - (Cont.)

12	168.4
12.5	170.6
13	172.6
13.5	174.8
14	176.6
14.5	178.7
15	180.4
15.5	182.5
16	184.1
16.5	186.2
17	187.9
17.5	190.1
18	192.2
18.5	194
19	196.1
19.5	198.5
20	200.6
20.5	203.4
21	205.7
21.5	208.4
22	210.8
22.5	213.7
23	216.4
23.5	220.1
24	223.7
24.5	227.5
25	232.5
25.5	237.8
26	245.1
26.5	252.9
27	262.5
27.5	272.4
28	283.6
28.5	296
29	308.5
29.5	321.7
30	335.1
30.5	350.1
31	364.3
31.5	383
32	403.5
32.5	425.7
33	444.8
33.5	457.8
34	463.8
34.5	467.8
35	472.1
35.5	479.6
36	489.5
36.5	502.2
37	515.1
37.5	526.5
38	533.7
38.5	541
39	545.8
39.5	552.2

IES ROAD REPORT
PHOTOMETRIC FILENAME : AGB2A-100WMH.IES

CANDELA TABULATION - (Cont.)

40	558.2
40.5	563.6
41	567.3
41.5	570
42	573.3
42.5	578.3
43	586
43.5	589.2
44	592.7
44.5	593.7
45	594.2
45.5	595.8
46	598.6
46.5	600.9
47	603.3
47.5	606.6
48	608.7
48.5	612
49	614.9
49.5	620.5
50	627
50.5	632.3
51	634.6
51.5	636
52	638.7
52.5	639.5
53	643.2
53.5	650.5
54	657.3
54.5	662.7
55	663
55.5	661.9
56	661.5
56.5	663.9
57	670.7
57.5	676.6
58	679.8
58.5	678.5
59	674.8
59.5	666.2
60	659.4
60.5	652.3
61	649.6
61.5	652.7
62	658.7
62.5	667.7
63	676
63.5	683.6
64	691.4
64.5	697.4
65	700.7
65.5	701.3
66	701.2
66.5	704.6
67	706.3
67.5	704.4

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

68	702.1
68.5	701.3
69	702.9
69.5	710
70	719.1
70.5	732.8
71	740.7
71.5	748.7
72	751.8
72.5	757.2
73	759.7
73.5	759.4
74	756.8
74.5	748.6
75	737.6
75.5	731.2
76	731.2
76.5	734.5
77	741.8
77.5	746.2
78	750
78.5	756.3
79	760.4
79.5	764
80	768
80.5	771.6
81	771.5
81.5	764.3
82	751.1
82.5	734.6
83	722.3
83.5	715.4
84	711.7
84.5	706
85	702.8
85.5	702.8
86	702.7
86.5	701.3
87	698.2
87.5	698.5
88	702.8
88.5	707
89	706.3
89.5	702.4
90	698.3
90.5	697.4
91	699.3
91.5	701.7
92	704.1
92.5	709.7
93	717.3
93.5	724.2
94	732.4
94.5	739.3
95	743.8
95.5	743.8

IES ROAD REPORT
PHOTOMETRIC FILENAME : AGB2A-100WMH.IES

CANDELA TABULATION - (Cont.)

96	743.9
96.5	739.7
97	737.4
97.5	735.7
98	735.8
98.5	736.4
99	738.3
99.5	739.1
100	738.4
100.5	735.8
101	733
101.5	727.4
102	722.6
102.5	716.7
103	710.9
103.5	709
104	707.2
104.5	707.6
105	705.2
105.5	700.5
106	689.3
106.5	673.9
107	654.8
107.5	631.6
108	607.5
108.5	578.9
109	548.3
109.5	513.7
110	479.7
110.5	438.4
111	395.4
111.5	354.3
112	313.6
112.5	277
113	246
113.5	220
114	197.1
114.5	177.2
115	159.8
115.5	143.9
116	129.6
116.5	116.9
117	106.2
117.5	96.5
118	88.3
118.5	81.5
119	75.9
119.5	71.4
120	67.3
120.5	63.3
121	59.7
121.5	56.4
122	53.8
122.5	51.4
123	49.2
123.5	47.4

IES ROAD REPORT
PHOTOMETRIC FILENAME : AGB2A-100WMH.IES

CANDELA TABULATION - (Cont.)

124	45.8
124.5	44.5
125	43.3
125.5	42
126	41.1
126.5	40.1
127	39.1
127.5	38.2
128	37.3
128.5	36.5
129	35.7
129.5	35.3
130	34.7
130.5	33.9
131	33.3
131.5	32.7
132	32.3
132.5	31.6
133	31
133.5	30.3
134	29.9
134.5	29.2
135	28.6
135.5	27.9
136	27.6
136.5	27
137	26.2
137.5	25.7
138	25.2
138.5	24.4
139	23.9
139.5	23.1
140	22.5
140.5	21.7
141	21.3
141.5	20.5
142	19.7
142.5	18.9
143	18.3
143.5	17.3
144	16.6
144.5	15.7
145	15
145.5	14.4
146	13.5
146.5	12.9
147	12.1
147.5	11.3
148	10.7
148.5	10.2
149	9.7
149.5	9.1
150	8.3
150.5	7.8
151	7.3
151.5	6.7

IES ROAD REPORT
PHOTOMETRIC FILENAME : AGB2A-100WMH.IES

CANDELA TABULATION - (Cont.)

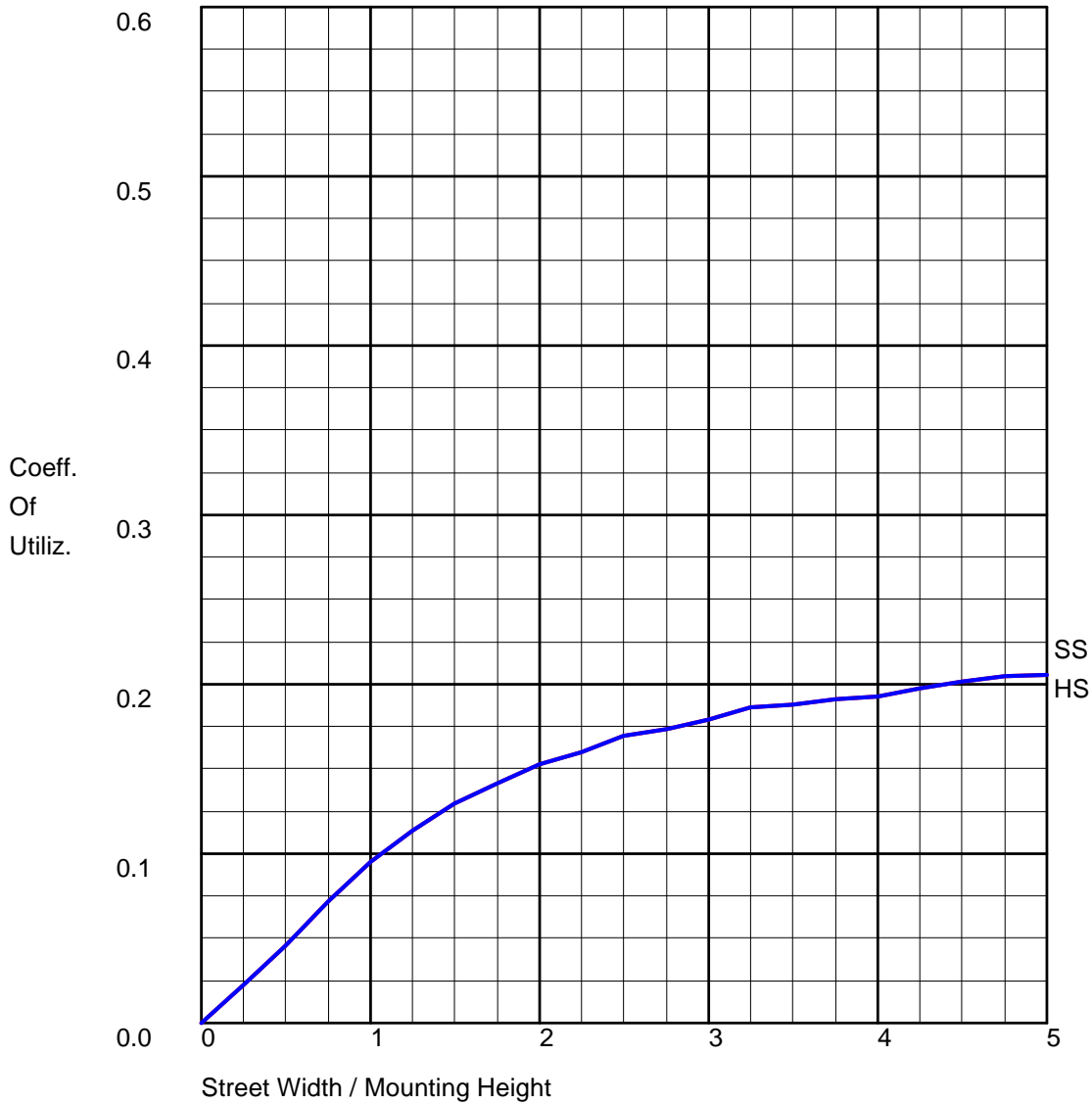
152	6.1
152.5	5.8
153	5.2
153.5	4.8
154	4.4
154.5	4
155	3.7
155.5	3.2
156	2.6
156.5	2.5
157	2
157.5	1.7
158	1.5
158.5	0.9
159	0.8
159.5	0.3
160	0.1
160.5	0
161	0
161.5	0
162	0
162.5	0
163	0
163.5	0
164	0
164.5	0
165	0
165.5	0
166	0
166.5	0
167	0
167.5	0
168	0
168.5	0
169	0
169.5	0
170	0
170.5	0
171	0
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-100WMH.IES

CANDELA TABULATION - (Cont.)

180 0

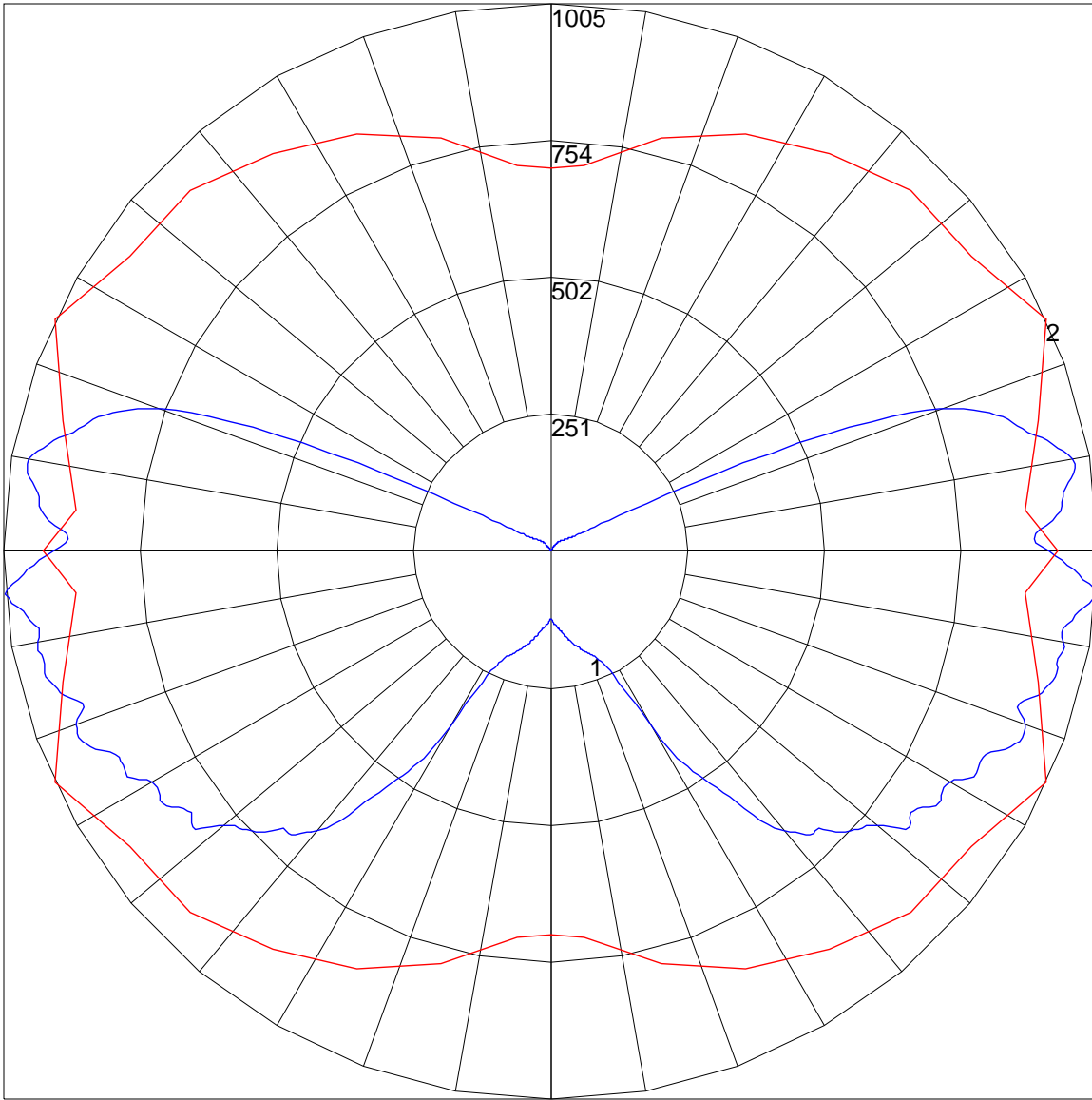
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

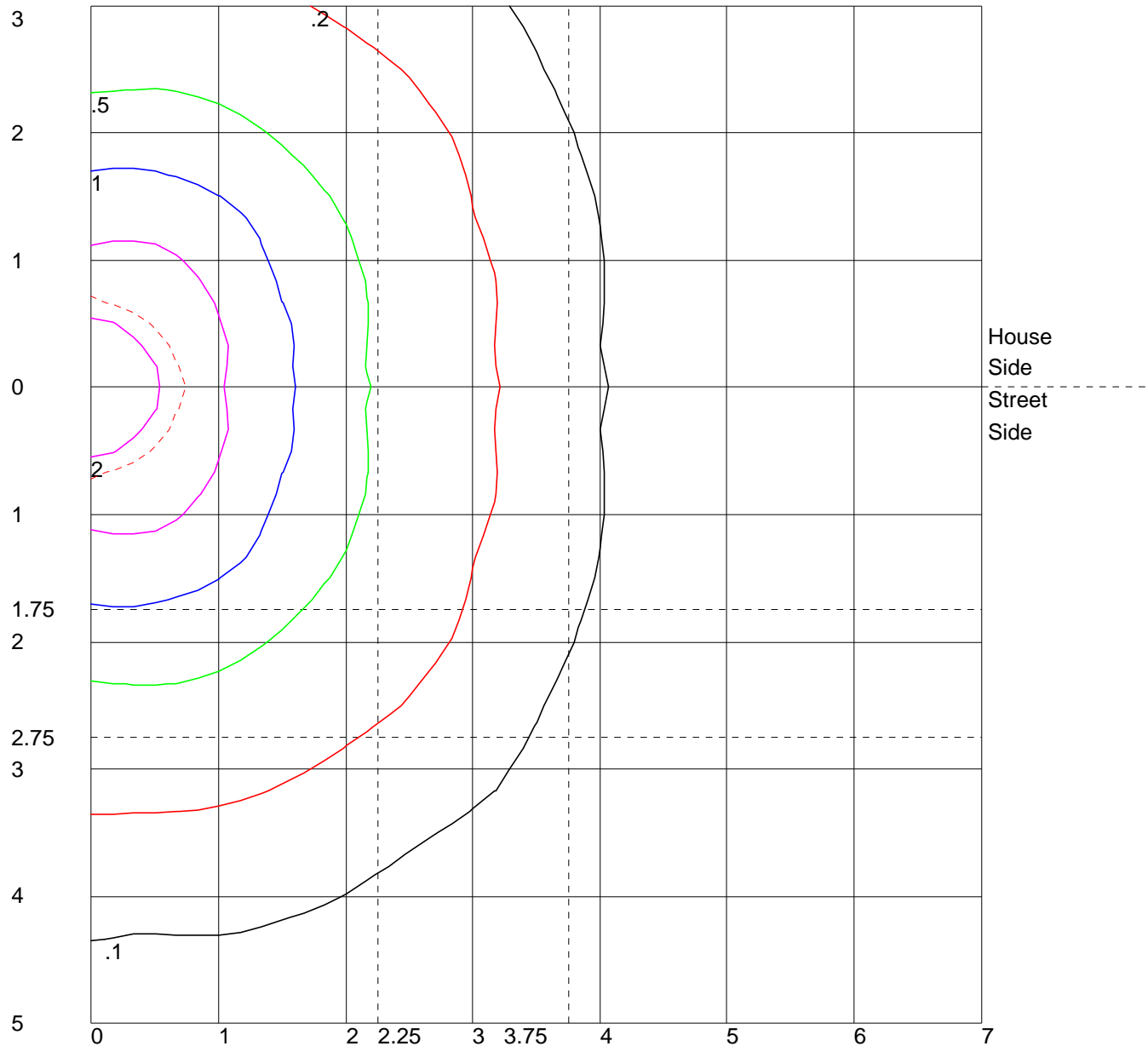
	Lumens	Percent Of Lamp
Downward Street Side	2198.1	24.4
Downward House Side	2198.1	24.4
Downward Total	4396.2	48.8
Upward Street Side	1079.9	12.0
Upward House Side	1079.9	12.0
Upward Total	2159.8	24.0
Total Flux	6556.0	72.8

POLAR GRAPH



Maximum Candela = 1004.8 Located At Horizontal Angle = 25, Vertical Angle = 85.5
1 - Vertical Plane Through Horizontal Angles (25 - 205) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (85.5) (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