



Brandon Industries, Inc.
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IES ROAD REPORT
PHOTOMETRIC FILENAME : AGA1A-100WHPS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 14062
[TESTLAB] LUMINAIRE TESTING LABORATORY, INC.
[ISSUEDATE] 10-09-2008
[MANUFAC] BRANDON INDUSTRIES, INC.
[LUMCAT] 100WHPS-AGA1A
[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 S54 100 WATT B17 HPS LAMP RATED AT 9500 LUMENS.
[LAMPCAT] PHILIPS C100S54/M

CHARACTERISTICS

IES Classification	Type V
Longitudinal Classification	Medium
Cutoff Classification	Non-Cutoff
Total Rated Lamp Lumens	9500
Maximum Candela	992.83
Maximum Candela Angle	35H 80.5V
Maximum Candela At 90 Degrees Vertical	956.71 (10.07% Lamp Lms)
Maximum Candela At 80 Degrees Vertical	992.83 (10.45% Lamp Lms)
Downward Total Efficiency	49.1%

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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	123.32	123.32	123.32	123.32	123.32	123.32	123.32	123.32	123.32	123.32
0.5	126.36	127.24	126.73	125.77	124.86	124.53	124.29	124.99	126.44	126.36
1	128.77	129.28	129.12	128.16	127.54	127.11	126.95	127.78	128.8	128.61
1.5	130.6	131.3	131.06	130.71	129.77	129.58	129.61	130.17	130.73	131
2	132.53	132.93	132.83	132.42	131.7	131.35	131.57	132.29	132.91	132.59
2.5	133.28	134.03	134.09	134.03	132.85	132.88	132.96	133.61	133.85	133.93
3	133.66	134.12	134.36	134.6	133.82	133.79	134.01	134.95	134.63	134.46
3.5	133.93	134.68	135	135.32	134.79	134.84	135.24	135.62	135.56	135.16
4	135.16	135.43	135.99	136.24	136.21	136.48	136.53	136.99	136.85	136.21
4.5	135.75	136.48	137.15	137.5	137.44	137.95	137.98	138.11	138.14	137.66
5	136.88	137.71	138.19	138.65	138.79	139.56	139.38	139.38	139.59	139.11
5.5	138.33	138.89	139.51	139.97	140.53	141.01	141.01	141.01	141.31	140.61
6	139.62	140.29	141.33	141.5	142.03	142.6	142.89	142.52	142.68	142.3
6.5	141.44	142.06	142.54	142.92	143.51	143.88	144.29	144.18	144.48	143.56
7	142.84	143.67	144.29	144.61	144.93	145.74	146.22	146.3	145.92	145.23
7.5	144.77	145.36	145.87	146.17	146.94	147.72	147.64	148.02	147.8	147.48
8	146.97	147.78	147.72	148.31	148.77	149.49	149.65	150.14	149.92	149.74
8.5	149.98	149.95	149.95	150.49	150.78	151.69	151.67	152.45	152.31	152.1
9	151.75	152.2	151.96	152.63	152.96	153.65	154.08	154.49	154.35	154.35
9.5	153.9	154.16	153.95	154.83	154.86	155.45	156.12	156.42	156.5	156.55
10	155.77	156.04	155.96	156.66	156.77	157.38	157.95	158.43	158.62	158.49
10.5	157.55	158.08	157.79	158.35	158.38	158.94	159.72	160.15	160.31	160.34
11	158.99	159.59	159.67	159.77	160.34	160.71	161.44	162.11	162.19	162.22
11.5	160.71	161.3	161.36	161.63	161.76	162.51	163.53	163.91	163.83	163.88
12	162.48	163.13	163.18	163.26	163.96	164.28	164.98	165.68	165.87	165.65
12.5	164.2	164.85	164.87	165.11	165.25	166.32	166.59	167.66	167.74	167.56
13	166.08	166.46	166.75	166.81	167.13	168.04	168.34	168.98	169.6	169.41
13.5	168.07	168.36	168.6	168.5	168.95	169.65	170.13	170.91	171.37	171.1
14	169.89	169.81	170.35	170.32	170.35	171.31	171.82	172.52	172.9	173.03
14.5	171.34	171.74	171.61	171.72	172.09	172.98	173.78	174.32	174.88	174.51
15	172.68	173.17	173.22	173.27	173.54	174.32	175.21	175.9	176.28	176.17
15.5	174.51	174.72	174.72	174.96	175.31	176.15	177.06	177.78	177.97	177.81
16	175.64	176.39	176.49	176.68	176.71	177.65	178.45	179.07	179.55	179.5
16.5	177.84	178.08	177.89	178.27	178.64	179.2	180.22	180.9	181.33	181.11
17	179.39	179.61	179.61	180.04	180.09	180.73	181.59	182.59	182.72	182.85
17.5	181	181.35	181.54	181.75	181.75	182.59	183.42	183.98	184.47	184.44
18	182.77	182.99	182.91	183.07	183.34	184.09	185	185.59	186.02	185.94
18.5	184.49	184.68	184.89	184.87	185	185.59	186.88	187.26	187.58	187.77
19	186.53	186.69	186.42	186.53	186.75	187.34	188.65	188.95	189.54	189.38
19.5	188.03	188.46	188.28	188.54	188.44	189.22	190.34	190.96	191.2	191.31
20	189.97	190.1	190.29	190.26	190.53	191.04	192.03	192.6	193.21	192.92
20.5	191.95	192.19	192.25	192.33	192.54	193.13	193.7	194.72	195.09	195.12
21	194.1	194.26	194.45	194.64	194.88	195.04	196.14	196.76	197.05	197
21.5	196.09	196.46	196.6	197.11	197.11	197.24	198.21	199.12	199.6	199.31
22	198.77	198.88	198.99	199.79	199.41	200.09	200.57	201.35	201.62	201.67
22.5	200.92	201.37	201.72	202.42	202.5	202.82	203.44	204.22	204.46	204.06
23	203.55	204	204.41	205.56	205.35	206.07	206.55	207.12	207.12	206.85
23.5	206.66	207.06	207.71	208.7	209.18	209.35	209.96	210.66	210.42	210.23
24	210.2	210.74	211.17	212.4	213.24	213.83	214.44	214.93	214.5	214.12
24.5	214.39	214.28	214.95	216.62	218.31	218.98	219.25	219.57	219.57	218.66
25	218.74	219.2	219.81	222.23	224.24	225.82	225.61	225.99	225.74	224.4
25.5	224.11	224.59	225.58	228.29	232	233.63	233.31	232.86	234.12	230.28
26	230.6	231.33	232.21	236.08	241.85	243.59	243.03	241.07	243.83	237.23

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26.5	238.92	240.91	240.56	245.47	254.41	254.54	254.65	250.27	254.41	245.52
27	248.85	251.8	250.17	255.7	268.98	266.43	267.67	260.85	265.41	253.63
27.5	260.98	264.26	261.49	267.61	284.2	279.56	281.19	272.28	275.4	263.16
28	275.75	279.02	275.24	281.11	300.06	294.77	296.57	285.92	286.96	273.95
28.5	291.04	295.63	290.59	296.22	314.69	312.09	312.81	299.82	297.35	285.33
29	308.92	312.51	307.82	312.35	330.26	330.95	329.64	314.07	309.8	297.48
29.5	327.44	332.32	326.69	331.68	346.41	351.22	347.65	329.91	323.3	310.85
30	346.71	352.51	346.92	351.35	363.62	372.42	365.2	345.42	338.5	324.14
30.5	368.02	373.65	367.86	371.48	381.09	392.63	381.87	361.85	353.18	338.41
31	389.49	394.19	388.15	392.92	398.27	413.35	399.9	378.32	369.15	353.31
31.5	411.12	415.66	406.83	412.14	415.82	432.81	416.78	394.91	383.67	367.8
32	434.31	434.82	425.43	431.06	433.02	451	433.99	410.8	398.8	383.26
32.5	458.2	452.43	442.55	448.72	450.47	467	450.84	426.8	413.59	400.39
33	478.92	468.53	458.09	466.57	466.38	480.93	465.39	442.71	428.14	417.32
33.5	499.37	482.65	471.78	483.24	481.25	495.05	480.13	457.61	442.85	435.01
34	514.61	496.26	484.26	500.82	495.16	507.93	494.78	472.64	456.8	452.83
34.5	530.23	509.08	495.26	515.74	508.41	520.22	509.97	486.67	469.04	468.75
35	545	523.18	506.56	528.97	522.99	530.9	525.4	499.88	480.5	484.02
35.5	557.99	536.22	518.75	541.86	536.86	542.79	541.29	512.73	491.16	498.86
36	571.67	549.96	530.42	553.64	550.79	554.98	555.57	525.32	502.78	512.39
36.5	582.41	562.82	541.8	565.18	564.75	568.8	567.38	538.1	514.32	524.36
37	592.88	574.92	552	576.34	577.66	582.95	576.67	550.2	526.72	533.72
37.5	600.44	586.27	560.96	586.25	589.71	597.6	585.95	563.06	537.83	543.81
38	610.27	596.74	569.71	594.59	599.8	610.78	596.12	574.95	548.46	551.76
38.5	619.77	607.75	579.94	600.95	611.45	624.44	607.45	586.01	557.21	560.75
39	631.58	619.31	589.6	606.83	622	637.13	617.6	597.25	566.2	568.99
39.5	641.46	630.34	599.99	610.91	634.32	649.13	627.36	608.47	575.11	576.67
40	649.35	640.46	609.38	617.54	645.11	661.05	636.09	618.48	584.42	584.29
40.5	654.34	649.37	618.48	624.04	656.83	670.28	643.52	628.52	595.18	592.07
41	656.43	657.24	626.88	633.4	667.06	678.28	651.14	638.56	605.01	600.42
41.5	657.93	665.13	635.63	640.3	680.21	685.53	659.54	645.08	614.24	609.95
42	659.97	672.43	645.16	650.12	692.64	692.72	669.72	653.75	622.37	619.55
42.5	664.05	678.44	654.26	661.26	705.95	700.02	681.18	659.71	631.9	629
43	671.25	683.97	664.08	673.37	718.16	706.38	693.76	666.5	642.23	636.25
43.5	678.71	689.15	674.55	686.3	729.54	710.89	705.82	674.01	651.65	644.68
44	686.6	694.33	686.14	698.22	740.52	715.1	717.17	682.2	663.11	650.58
44.5	694.81	700.23	697.84	710.11	748.49	718.89	725.94	689.63	674.44	656.83
45	705.44	706.81	708.39	719.88	754.85	725.11	733.67	698.25	685.44	663.11
45.5	713.33	714.67	717.41	728.31	757.72	731.93	738.91	707.4	695.05	666.68
46	725.52	722.51	727.5	734.05	761.27	739.93	744.73	714.24	703.1	669.72
46.5	740.33	732.04	738.08	740.38	765.43	747.12	751.09	722.7	709.28	671.49
47	755.04	741.46	747.2	747.5	769.59	755.17	759.14	729.81	715.24	674.79
47.5	771.2	753.7	755.15	754.21	772.64	764.06	766.36	738.67	721.97	680.13
48	784.35	763.6	763.01	761.37	774.63	775.81	773.5	748.41	726.96	687.22
48.5	798.52	773.66	769.29	765.67	776.89	787.73	777.42	757.32	732.65	692.72
49	808.29	782.41	775.49	768.35	781.02	797.15	781.61	765.48	735.96	698.41
49.5	817.09	792.05	780.75	769.48	786.09	805.82	783.84	771.03	738.61	702.08
50	819.08	799.54	784.4	769.77	791.08	811.43	786.68	774.85	741.46	705.49
50.5	823.91	807.32	787.59	771.87	795.38	816.29	791.11	778.2	745.59	709.09
51	822.3	812.88	790.73	774.26	801.12	819.94	795.16	782.25	750.74	712.71
51.5	822.3	816.31	794.87	778.23	807.27	825.01	799.75	786.87	753.86	717.81
52	820.36	819.21	799.86	783.27	815.16	830.56	803.75	792.56	758.07	723.8
52.5	818.38	819.26	805.33	790.6	818.33	839.42	809.28	798.44	761.45	728.66
53	818.81	818.97	809.47	796.67	821.79	847.82	815.16	803.97	765.43	732.33
53.5	817.57	816.58	813.12	802.79	826.16	854.77	823.69	810.84	769.64	734.69
54	818.81	816.07	814.41	807.29	830.46	859.44	830.51	817.33	776.03	737.35

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54.5	818	816.1	814	812.13	836.36	862.26	837.6	823.37	783.84	740.22
55	818.49	818.94	815.1	817.71	841.17	862.58	843.39	826.91	793.87	744.01
55.5	815.64	822.03	815.67	822.49	846.64	862.8	850.64	830.62	805.44	746.99
56	816.5	824.28	817.9	828.42	850.45	862.05	857	834.94	816.02	750.72
56.5	817.25	826.73	821.63	834.21	854.96	863.5	863.95	839.18	825.95	754.58
57	818.49	827.13	827.02	841.86	860.22	867.28	869.19	843.55	836.04	759.74
57.5	822.67	829.44	833.3	849.49	866.23	873.21	874.82	848.25	844.82	765.64
58	827.83	834.24	837.3	859.01	874.15	879.44	878.23	852.68	850.1	770.95
58.5	834.21	840.47	841.54	866.21	883.71	884.89	880.67	856.46	854.83	775.41
59	844.14	846.69	845.81	872.33	893.23	888.08	883.49	861.19	858.34	781.45
59.5	855.52	853.22	851.1	878.79	898.09	889.5	886.68	864.86	862.64	785.21
60	864.81	861.78	855.12	883.46	903.54	888.29	891.97	870.66	865.62	787.57
60.5	872.33	869	859.58	888.94	907.67	888.29	898.52	876.91	866.69	789.82
61	877.96	877.48	864.35	892.54	911.89	890.23	906.41	883.65	868.68	790.36
61.5	882.31	884.75	870.55	897.34	916.1	892.88	910.97	889.61	869.64	791.43
62	888.64	890.76	876.46	902.01	920.02	899.49	913.74	893.31	871.12	792.48
62.5	891.97	895.08	882.58	905.74	923.05	905.34	914.54	894.09	872.46	793.47
63	898.25	897.69	888.29	906.44	926.81	913.23	915.94	894.57	874.07	795.08
63.5	904.42	901.66	894.25	905.95	931.96	918.43	916.64	896.32	875.12	797.47
64	910.44	904.91	900	905.98	934.3	923.56	918.19	896.91	874.93	800.61
64.5	916.34	909.87	903.89	905.63	935.88	927.13	918.89	897.26	875.33	803.13
65	922.41	914.36	908.83	906.17	935.48	932.1	921.09	899.06	876	805.42
65.5	930.78	917.63	914.95	903.7	934.86	935.53	925.17	900	880.54	806.3
66	938.78	919.21	922.09	903.81	936.42	940.36	931.61	903.67	884.19	806.97
66.5	947.96	921.31	927.21	902.49	938.94	946.35	938.48	904.13	888.29	807.19
67	954.35	922.54	933.25	901.55	944.58	950.51	945.11	906.36	890.95	808.85
67.5	959.61	925.06	939.18	901.28	947.02	954.8	950.99	908.88	893.64	810.86
68	959.55	927.08	945.22	900.59	949.81	957.62	953.57	913.01	896.88	814.3
68.5	962.61	927	950.16	902.52	948.76	960.76	954.02	917.98	899.62	818.86
69	964.87	927.1	954.43	903.59	949.54	961.65	953	920.47	902.44	822.3
69.5	967.77	927	957.35	906.95	949.84	962.18	952.55	919.88	905.18	824.93
70	970.5	928.55	960.47	909.82	950.59	960.28	952.14	918.52	908.91	827.56
70.5	974.96	929.57	962.4	913.55	950.75	957.65	952.76	921.04	910.33	828.95
71	977.8	931.26	964.92	916.4	951.8	954.56	952.95	921.39	911.16	830.16
71.5	983.22	934.08	966.77	919.88	955.04	950.8	954.27	923.86	909.58	833.54
72	985.64	936.26	966.1	924.58	953.7	950.24	956.25	924.31	908.48	835.77
72.5	986.28	938.59	964.22	928.07	954.72	951.88	960.36	925.95	908.02	838.48
73	983.39	937.95	963.9	931.72	956.63	955.82	961.51	927.96	907.97	838.37
73.5	981.02	937.79	964.81	934.11	958.94	962.59	964.06	930.24	908.77	836.9
74	980.86	936.74	963.34	935.5	962.83	968.19	962.96	929.95	908.58	835.93
74.5	982.69	935.75	961.3	937.57	965.64	972.78	963.07	929.95	908.32	837.92
75	982.47	933.44	957.06	940.74	967.68	974.39	960.3	927.45	907.89	841.78
75.5	975.44	930.67	953.62	941.19	968.46	973.72	958.18	925.84	907.99	845.51
76	967.12	929.41	949.78	940.31	968.41	969.97	956.25	924.37	909.26	848.47
76.5	957.78	927.69	947.96	939.5	966.75	968.17	953.35	923.51	912.13	849.89
77	952.36	928.53	943.93	936.85	967.34	966.83	951.23	922.92	914.57	851.02
77.5	946.03	927.29	941.25	932.74	971.79	966.13	953.11	922.25	918.52	852.79
78	940.39	926.84	938.43	930.24	976.86	966.75	956.9	919.83	920.88	853.08
78.5	936.42	924.1	937.87	927.27	983.04	969.35	961.7	916.82	923.13	854.02
79	932.34	921.52	935.75	926.62	988.46	972.84	963.5	912.56	927.67	852.14
79.5	930.41	919.32	934.89	926.92	992.43	974.13	962.42	908.29	928.66	852.12
80	928.96	920.53	933.12	925.98	991.84	974.69	960.84	904.45	930.11	852.79
80.5	927.99	922.57	930.49	922.49	992.83	974.29	958.88	900.13	928.69	853.54
81	926.81	921.74	929.2	920.02	989.13	974.13	957.62	897.8	926.35	855.6
81.5	926.06	922.62	929.57	917.17	986.96	971.47	954.8	895.17	924.37	856.28
82	925.9	923.16	929.39	914.03	983.6	970.66	950.7	894.47	921.41	855.82

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CANDELA TABULATION - (Cont.)

82.5	926.49	924.55	929.44	910.25	981.05	968.25	944.6	891.6	917.2	854.83
83	924.39	924.07	929.79	908.67	981.61	967.55	940.09	890.17	914.44	855.04
83.5	923.43	924.29	930.27	904.99	980.92	962.59	936.55	887.6	912.45	851.26
84	922.14	925.68	931.72	902.79	981.91	959.04	935.83	887.38	907.83	848.63
84.5	924.55	926.62	931.51	902.25	979.44	957.75	935.93	886.74	906.6	843.42
85	930.41	927.8	932.69	901.53	975.58	957.22	939.07	886.39	904.45	838.72
85.5	936.63	926.86	932.74	902.73	971.04	957.49	942.21	886.12	904.8	834.88
86	940.12	926.14	932.02	902.9	967.82	955.66	947.98	884.83	904.93	832.58
86.5	941.89	923.67	929.57	902.73	965.81	953.51	952.25	882.98	904.48	830.4
87	944.58	920.77	927.86	900.83	964.06	951.77	953.78	881.4	901.26	828.52
87.5	948.87	918.49	924.77	897.58	962.37	949.7	951.96	881.99	895.03	827.02
88	951.45	916.69	922.86	894.47	958.21	947.47	951.45	882.34	888.05	822.43
88.5	954.18	915.27	919.29	891.25	956.98	944.82	953.35	885.42	880.38	820.66
89	952.52	912.77	917.12	890.33	952.79	943.45	953.59	886.79	875.09	816.69
89.5	951.18	911.67	913.5	890.2	948.79	941.84	955.45	887.14	871.01	814.38
90	948.71	906.97	913.58	892.08	946.62	942.8	956.71	887.03	869.13	812.85
90.5	948.98	903.67	914.03	893.34	945.89	943.58	960.79	886.52	868.41	811.51
91	948.55	900.08	914.38	894.44	948.71	945.57	963.34	888.86	866.72	810.19
91.5	947.96	898.2	915.43	895.7	951.9	948.09	967.93	891.43	863.9	808.56
92	948.28	896.91	915.29	895.7	957.03	949.06	969.51	895.3	860.7	807.16
92.5	947.37	897.5	915.67	896.29	959.36	950.05	969.67	897.72	858.02	806.97
93	947.31	898.84	915.83	894.68	963.26	950.64	968.68	897.66	855.87	807.37
93.5	945.44	899.14	917.31	892.91	963.85	950.64	966.69	897.39	854.83	810.11
94	939.85	899.57	917.5	892.4	967.55	950.29	965.73	897.66	854.45	812.72
94.5	932.02	899.73	918.54	892.37	970.5	951.1	963.5	897.12	854.29	815.43
95	925.84	900.48	919.13	892.7	970.88	950.78	960.6	897.42	855.15	816.53
95.5	923.7	901.07	920.42	893.77	970.77	950.4	960.12	898.74	855.79	818.08
96	921.6	903.81	920.42	896.02	968.09	950.7	960.81	899.43	857.62	816.04
96.5	920.53	905.26	920.85	896.7	965.91	950.64	962.32	900.69	859.98	815.99
97	916.5	905.95	921.04	898.79	959.5	952.92	965.11	899.24	862.21	816.63
97.5	913.23	903.73	921.58	898.92	955.53	954.02	967.74	897.1	863.09	817.65
98	912.75	900.24	921.12	898.36	947.98	955.2	970.37	893.21	863.63	819.08
98.5	909.69	897.42	920.07	897.5	940.6	955.34	973.56	892.11	865.7	818.03
99	906.63	896.21	917.17	892.94	933.79	955.29	974.48	890.6	864.41	815.1
99.5	899.97	895.86	914.36	887.27	927.08	952.31	973.8	890.55	860.78	812.29
100	894.17	895.33	911.51	880.3	921.52	948.71	971.93	892.11	856.76	809.9
100.5	889.61	894.04	908.58	876.4	913.23	945.38	968.3	889.21	851.85	805.09
101	890.25	890.52	905.23	872.78	906.76	940.63	965.83	886.36	845.97	800.88
101.5	887.41	886.6	900.59	871.52	898.25	936.15	959.26	882.42	840.23	794.68
102	885.26	880.91	894.33	867.95	892.67	931.1	954.13	877.8	835.18	788.4
102.5	883.06	874.39	887.06	864.49	887.27	925.25	947.56	871.98	830	781.23
103	881.34	868.14	880.38	860.01	880.03	917.87	941.7	865.8	822.67	774.87
103.5	877.85	860.81	869.61	854.21	872.49	908.96	933.46	856.97	812.96	767.17
104	872.27	852.97	860.81	846.32	864.43	899.49	924.29	847.36	801.77	759.06
104.5	861.97	843.15	850.18	837.3	855.44	886.39	912.34	833.06	786.57	748.95
105	851.71	831.23	838.56	826.65	844.55	875.33	900.18	819.53	770.18	737.46
105.5	841.51	817.82	824.95	813.76	832.36	861.13	885.72	805.52	751.17	723.66
106	829.28	803.3	808.66	800.29	817.52	846.29	870.45	792.61	731.26	708.47
106.5	816.66	787.65	787.62	786.14	801.44	830.54	853.03	778.63	711.02	692.61
107	800.13	768.94	765.72	770.18	785.66	813.9	834.11	762.58	689.31	676.27
107.5	781.56	748.38	740.25	752.22	766.18	795.19	812.8	742.16	664.89	657.29
108	761.64	723.74	713.33	731.96	747.58	774.79	789.34	719.58	639.6	636.06
108.5	739.85	698.68	684.05	710.14	724.17	753.48	764.65	694.65	614.08	611.88
109	713.49	670.74	651.55	685.1	701.41	727.15	737.24	665.91	586.41	586.14
109.5	682.52	640.03	617.84	657.91	674.57	699.48	709.41	636.6	557.9	559.86
110	650.58	608.39	581.34	627.9	645.83	668.29	678.92	605.68	526.13	532.84

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CANDELA TABULATION - (Cont.)

110.5	612.09	572.18	544.62	595.05	611.4	634.58	645.51	572.61	492.23	502.37
111	572.8	534.5	507.31	559.92	574.89	596.79	608.74	538.07	458.01	470.49
111.5	532.86	496.12	468.26	522.29	536.73	558.52	569.2	501.49	423.12	438.5
112	487.67	455.73	427.9	481.52	497.17	517.67	527.17	462.22	390.05	404.65
112.5	443.92	415.6	388.25	440.75	457.88	477.68	484.29	423.58	357.07	372.58
113	400.06	377.28	351.14	402.35	418.23	436.03	442.12	385.44	326.01	340.27
113.5	360.56	338.44	313.51	361.85	379.18	395.23	397.03	348.13	295.93	308.27
114	318.8	302.13	280.07	325.48	340.35	356.64	355.11	311.87	268.87	277.92
114.5	282.35	267.8	249.15	290.18	303.66	318.12	314.42	278.35	242.46	248.96
115	248.64	235.73	220.67	255.43	268.93	280.66	276.26	245.77	217.61	220.97
115.5	218.04	205.48	193.97	223.14	236.75	244.53	241.61	216.32	194.15	196.36
116	188.41	177.97	169.52	194.61	207.2	211.95	210.18	189.89	172.6	174.88
116.5	161.09	153.44	148.61	168.6	179.61	182.05	181.27	164.77	153.57	155.34
117	138.49	133.01	130.84	145.9	155.34	155.64	156.04	144.05	136.42	138.44
117.5	119.49	115.49	114.76	127.08	133.85	134.36	133.74	125.77	121.72	123.62
118	103.55	101.29	101.45	110.15	115.65	115.27	114.74	109.61	108.38	109.91
118.5	91.25	89.91	90.66	97.13	100.78	99.79	99.17	96.54	96.94	98.5
119	81.59	80.84	81.73	86.34	88.97	87.66	86.96	85.94	87.25	88.68
119.5	73.75	73.51	74.1	77.62	79.2	77.89	76.97	77.14	79.04	80.49
120	67.63	67.53	67.98	70.61	71.58	70.53	69.51	70.08	71.9	73.43
120.5	62.64	62.8	63.05	64.92	65.59	64.41	63.66	64.28	66.35	67.82
121	58.83	58.75	58.64	60.17	60.39	59.77	58.99	59.77	61.49	62.7
121.5	55.77	55.18	55.45	56.31	56.66	55.74	55.21	56.07	57.27	58.7
122	52.82	52.36	52.6	53.09	52.95	52.63	52.18	52.82	54.03	55.26
122.5	50.51	50.08	50	50.3	50.14	49.84	49.49	50.32	51.29	52.34
123	48.26	47.96	48.02	48.04	47.64	47.75	47.51	48.07	48.85	49.76
123.5	46.7	46.14	45.98	45.92	45.52	45.63	45.52	46.35	46.86	47.51
124	44.71	44.31	44.45	44.07	43.77	44.2	43.99	44.55	45.2	45.68
124.5	43.26	42.92	42.94	42.46	42.11	42.7	42.51	43.1	43.64	43.96
125	41.98	41.73	41.57	41.14	40.8	41.25	41.36	41.82	42.27	42.46
125.5	40.63	40.45	40.29	39.91	39.64	40.12	40.04	40.63	41.17	41.25
126	39.51	39.24	39.19	38.73	38.54	39.05	39.05	39.56	39.91	40.04
126.5	38.59	38.49	38.22	37.82	37.57	38.19	38.17	38.78	39.05	39
127	37.57	37.49	37.31	36.8	36.66	37.25	37.41	37.87	38.08	38.19
127.5	36.61	36.69	36.45	35.88	35.7	36.34	36.66	36.9	37.25	37.23
128	35.75	35.72	35.64	35.13	35.03	35.64	35.91	36.23	36.5	36.45
128.5	35.27	35.05	35.03	34.38	34.38	34.7	35.16	35.54	35.78	35.67
129	34.35	34.41	34.27	33.6	33.68	34.27	34.54	34.78	34.97	34.92
129.5	33.87	33.58	33.36	32.99	33.09	33.52	33.84	34.22	34.33	34.27
130	32.9	33.01	32.64	32.31	32.42	32.88	33.17	33.5	33.66	33.63
130.5	32.37	32.5	32.15	31.7	31.8	32.29	32.64	32.74	33.04	33.17
131	31.67	31.78	31.59	31.19	31.11	31.75	32.07	32.23	32.39	32.64
131.5	31.24	31.37	30.84	30.49	30.6	31.19	31.46	31.62	31.8	31.97
132	30.65	30.68	30.36	29.93	30.22	30.6	30.78	31.08	31.37	31.32
132.5	29.85	30.06	29.74	29.47	29.39	30.01	30.27	30.3	30.73	30.84
133	29.58	29.5	29.39	28.93	29.07	29.47	29.85	29.95	30.11	30.27
133.5	28.88	29.09	28.64	28.37	28.53	29.07	29.39	29.44	29.6	29.6
134	28.4	28.58	28.13	27.81	27.89	28.45	28.66	28.77	29.07	29.15
134.5	27.86	28.1	27.67	27.35	27.54	28.13	28.23	28.4	28.58	28.42
135	27.59	27.59	27.13	26.95	27.13	27.46	27.78	27.97	27.99	28.13
135.5	26.79	27.05	26.62	26.41	26.54	26.97	27.27	27.32	27.46	27.56
136	26.36	26.49	26.11	25.93	25.98	26.49	26.84	26.89	26.89	26.97
136.5	25.66	25.9	25.52	25.26	25.55	26.14	26.38	26.33	26.57	26.36
137	25.18	25.42	25.01	24.85	25.04	25.6	25.9	25.77	25.9	25.82
137.5	24.69	24.91	24.64	24.34	24.53	25.15	25.44	25.12	25.36	25.23
138	24.1	24.29	24.02	23.73	24.05	24.69	24.96	24.75	24.72	24.64

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CANDELA TABULATION - (Cont.)

138.5	23.56	23.75	23.48	23.3	23.48	24.13	24.29	24.24	24.32	24.16
139	23.03	23.22	23.03	22.71	22.97	23.48	23.83	23.62	23.73	23.65
139.5	22.38	22.6	22.46	22.2	22.38	23.11	23.38	23.08	23.05	23.03
140	21.74	22.12	21.71	21.69	21.85	22.49	22.76	22.63	22.46	22.36
140.5	21.2	21.52	21.26	21.07	21.26	22.01	22.3	22.01	21.87	21.77
141	20.45	20.91	20.69	20.56	20.75	21.52	21.47	21.28	21.2	21.26
141.5	20.18	20.16	19.97	19.97	20.16	20.77	20.93	20.64	20.45	20.42
142	19.22	19.59	19.27	19.19	19.57	20.16	20.48	20.16	19.89	19.75
142.5	18.52	18.89	18.68	18.68	18.87	19.59	19.78	19.49	19.24	19.06
143	18.14	18.25	17.93	17.96	18.22	18.92	19.03	18.71	18.47	18.36
143.5	17.28	17.5	17.23	17.26	17.66	18.3	18.33	18.14	17.71	17.66
144	16.69	16.88	16.59	16.56	16.91	17.63	17.58	17.26	17.04	16.94
144.5	15.94	16.02	15.86	15.86	16.13	16.77	16.94	16.59	16.29	16.35
145	15.08	15.38	15.16	15.24	15.35	16	16.21	15.86	15.7	15.51
145.5	14.28	14.76	14.39	14.36	14.79	15.24	15.38	15.16	14.95	14.82
146	13.85	13.96	13.71	13.77	13.93	14.47	14.82	14.44	14.04	14.06
146.5	13.15	13.34	12.96	12.91	13.23	13.8	13.69	13.61	13.37	13.37
147	12.24	12.45	12.32	12.35	12.51	12.96	13.07	12.86	12.72	12.45
147.5	11.76	11.94	11.7	11.59	11.81	12.18	12.29	12.13	11.94	12
148	11.11	11.3	10.98	10.9	10.9	11.51	11.51	11.3	11.22	11.25
148.5	10.25	10.6	10.33	10.17	10.28	10.68	10.68	10.63	10.63	10.47
149	9.72	9.9	9.77	9.53	9.55	9.88	10.01	9.93	9.98	9.82
149.5	9.07	9.21	8.99	8.86	8.8	9.23	9.31	9.21	9.15	9.23
150	8.27	8.45	8.45	8.24	8.05	8.51	8.62	8.59	8.67	8.59
150.5	7.73	8.13	7.89	7.65	7.49	7.89	7.89	7.97	8.13	7.81
151	7.09	7.41	7.25	7.11	6.82	7.25	7.17	7.27	7.43	7.19
151.5	6.6	6.98	6.87	6.6	6.36	6.63	6.66	6.76	6.92	6.79
152	6.12	6.36	6.39	6.01	5.77	6.01	6.01	6.07	6.25	5.99
152.5	5.64	5.96	5.9	5.53	5.21	5.48	5.45	5.66	5.8	5.64
153	5.1	5.29	5.34	4.99	4.64	4.97	4.88	5.18	5.23	5.07
153.5	4.67	4.83	4.91	4.56	4.27	4.43	4.46	4.67	4.7	4.54
154	4.13	4.4	4.4	4.08	3.76	3.89	3.95	4.11	4.4	3.89
154.5	3.65	4	3.95	3.65	3.44	3.35	3.65	3.73	3.84	3.54
155	3.22	3.6	3.6	3.46	3.01	3.09	3.11	3.44	3.35	3.17
155.5	3.01	3.19	3.17	3.01	2.5	2.63	2.52	2.93	2.93	2.76
156	2.52	2.79	2.79	2.52	2.23	2.17	2.36	2.47	2.47	2.31
156.5	2.31	2.39	2.52	2.15	1.88	1.83	1.83	2.2	2.15	1.77
157	1.88	2.01	1.96	1.8	1.34	1.48	1.56	1.8	1.96	1.48
157.5	1.4	1.72	1.61	1.34	1.05	1.07	1.29	1.58	1.53	1.15
158	1.29	1.26	1.34	1.15	0.72	0.72	0.89	1.1	1.21	0.75
158.5	0.75	1.05	1.02	0.89	0.4	0.38	0.59	0.78	0.83	0.64
159	0.43	0.64	0.62	0.51	0.13	0.24	0.46	0.51	0.46	0.32
159.5	0.16	0.4	0.46	0.38	0	0.05	0.24	0.35	0.3	0.19
160	0.11	0.16	0.24	0.05	0	0.05	0.13	0	0.16	0.05
160.5	0	0.08	0.11	0	0	0	0.03	0	0.08	0
161	0	0	0	0	0	0	0	0	0	0
161.5	0	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	123.32
0.5	125.66
1	128.83
1.5	131.24
2	132.59
2.5	133.71
3	134.25
3.5	135.05
4	136.34
4.5	137.63
5	139.03
5.5	140.37
6	142.09
6.5	143.27
7	145.68
7.5	147.24
8	150.08
8.5	152.23
9	154.54
9.5	156.74
10	158.35
10.5	160.39
11	161.95
11.5	164.09

IES ROAD REPORT
PHOTOMETRIC FILENAME : AGA1A-100WHPS.IES

CANDELA TABULATION - (Cont.)

12	165.6
12.5	167.96
13	169.46
13.5	171.39
14	172.74
14.5	174.35
15	176.06
15.5	177.84
16	179.55
16.5	181.27
17	182.94
17.5	184.49
18	186.1
18.5	188.03
19	189.32
19.5	191.2
20	192.81
20.5	195.44
21	197.05
21.5	199.2
22	201.56
22.5	203.87
23	206.88
23.5	210.26
24	214.5
24.5	218.79
25	224.91
25.5	230.55
26	237.47
26.5	245.09
27	253.04
27.5	263.08
28	273.6
28.5	285.35
29	298.4
29.5	313.7
30	328.4
30.5	343.81
31	359.91
31.5	375.8
32	391.64
32.5	405.86
33	419.39
33.5	432.38
34	444.83
34.5	458.68
35	472.91
35.5	487.13
36	500.01
36.5	514.35
37	525.62
37.5	538.39
38	548.7
38.5	557.82
39	566.2
39.5	573.02

IES ROAD REPORT
PHOTOMETRIC FILENAME : AGA1A-100WHPS.IES

CANDELA TABULATION - (Cont.)

40	581.76
40.5	589.17
41	596.85
41.5	603.4
42	611.29
42.5	617.35
43	625.14
43.5	631.69
44	636.89
44.5	640.7
45	643.44
45.5	645.37
46	648.27
46.5	650.04
47	652.14
47.5	657.72
48	663.79
48.5	670.01
49	677.31
49.5	683.06
50	690.79
50.5	699.86
51	706.41
51.5	713.76
52	721.33
52.5	729
53	735.82
53.5	745.48
54	751.98
54.5	761.96
55	768.83
55.5	775.22
56	780.37
56.5	783.65
57	785.74
57.5	785.69
58	788.48
58.5	789.07
59	790.52
59.5	790.57
60	793.42
60.5	796.21
61	799.05
61.5	801.95
62	805.76
62.5	808.88
63	814.25
63.5	818.49
64	826.48
64.5	833.46
65	841.78
65.5	846.51
66	847.79
66.5	847.31
67	845.59
67.5	843.34

IES ROAD REPORT
PHOTOMETRIC FILENAME : AGA1A-100WHPS.IES

CANDELA TABULATION - (Cont.)

68	839.26
68.5	835.72
69	830.51
69.5	826.54
70	822.3
70.5	819.02
71	814.51
71.5	812.9
72	808.5
72.5	808.07
73	807
73.5	806.46
74	807.8
74.5	812.69
75	816.66
75.5	823.05
76	825.68
76.5	829.22
77	830.46
77.5	831.1
78	831.42
78.5	832.12
79	832.5
79.5	831.69
80	831.85
80.5	832.17
81	833.35
81.5	832.01
82	832.23
82.5	829.76
83	828.58
83.5	827.18
84	826.59
84.5	826
85	823.16
85.5	819.94
86	819.45
86.5	818.43
87	817.14
87.5	817.47
88	818.11
88.5	817.31
89	814.46
89.5	811.78
90	808.45
90.5	805.12
91	801.42
91.5	801.52
92	801.2
92.5	803.83
93	806.03
93.5	808.77
94	809.04
94.5	809.47
95	810.11
95.5	813.39

IES ROAD REPORT
PHOTOMETRIC FILENAME : AGA1A-100WHPS.IES

CANDELA TABULATION - (Cont.)

96	815.75
96.5	819.45
97	819.77
97.5	820.36
98	821.06
98.5	818.16
99	817.2
99.5	816.55
100	814.67
100.5	812.42
101	808.13
101.5	802.28
102	798.25
102.5	792.61
103	788.05
103.5	780.91
104	772.22
104.5	757.72
105	743.01
105.5	727.29
106	711.56
106.5	696.53
107	679.3
107.5	661.48
108	639.15
108.5	616.98
109	590.78
109.5	562.71
110	533.03
110.5	501.68
111	467.97
111.5	433.51
112	399.85
112.5	367.7
113	337.58
113.5	306.18
114	277.84
114.5	250.3
115	224.11
115.5	200.49
116	179.5
116.5	160.87
117	144.02
117.5	128.56
118	114.98
118.5	103.06
119	92.76
119.5	83.31
120	75.9
120.5	69.57
121	64.2
121.5	59.48
122	55.88
122.5	52.55
123	50.03
123.5	47.72

IES ROAD REPORT
PHOTOMETRIC FILENAME : AGA1A-100WHPS.IES

CANDELA TABULATION - (Cont.)

124	45.89
124.5	44.12
125	42.84
125.5	41.44
126	40.37
126.5	39.35
127	38.17
127.5	37.25
128	36.66
128.5	35.86
129	35.16
129.5	34.35
130	33.82
130.5	33.23
131	32.53
131.5	32.05
132	31.56
132.5	30.92
133	30.27
133.5	29.9
134	29.25
134.5	28.88
135	28.02
135.5	27.48
136	27.05
136.5	26.41
137	26.09
137.5	25.39
138	24.85
138.5	24.16
139	23.73
139.5	22.92
140	22.33
140.5	21.74
141	21.1
141.5	20.4
142	19.97
142.5	19.16
143	18.68
143.5	17.82
144	17.07
144.5	16.48
145	15.67
145.5	14.92
146	14.06
146.5	13.26
147	12.67
147.5	12.02
148	11.33
148.5	10.63
149	9.82
149.5	9.13
150	8.53
150.5	7.94
151	7.19
151.5	6.76

IES ROAD REPORT
PHOTOMETRIC FILENAME : AGA1A-100WHPS.IES

CANDELA TABULATION - (Cont.)

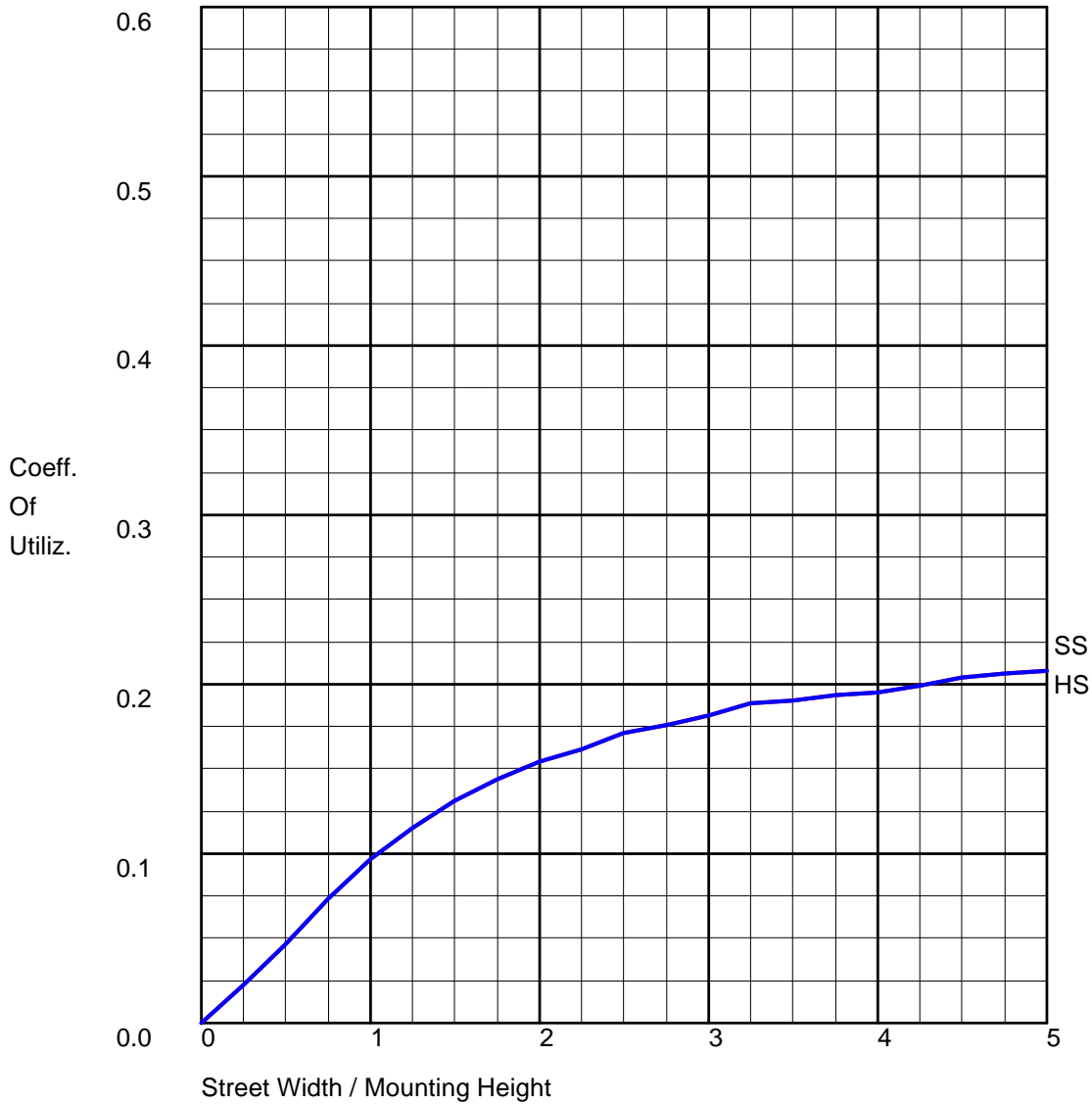
152	6.12
152.5	5.42
153	5.15
153.5	4.51
154	4.08
154.5	3.7
155	3.22
155.5	2.74
156	2.36
156.5	1.93
157	1.34
157.5	1.07
158	0.86
158.5	0.59
159	0.32
159.5	0.21
160	0.05
160.5	0
161	0
161.5	0
162	0
162.5	0
163	0
163.5	0
164	0
164.5	0
165	0
165.5	0
166	0
166.5	0
167	0
167.5	0
168	0
168.5	0
169	0
169.5	0
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 : AGA1A-100WHPS.IES

CANDELA TABULATION - (Cont.)

180 0

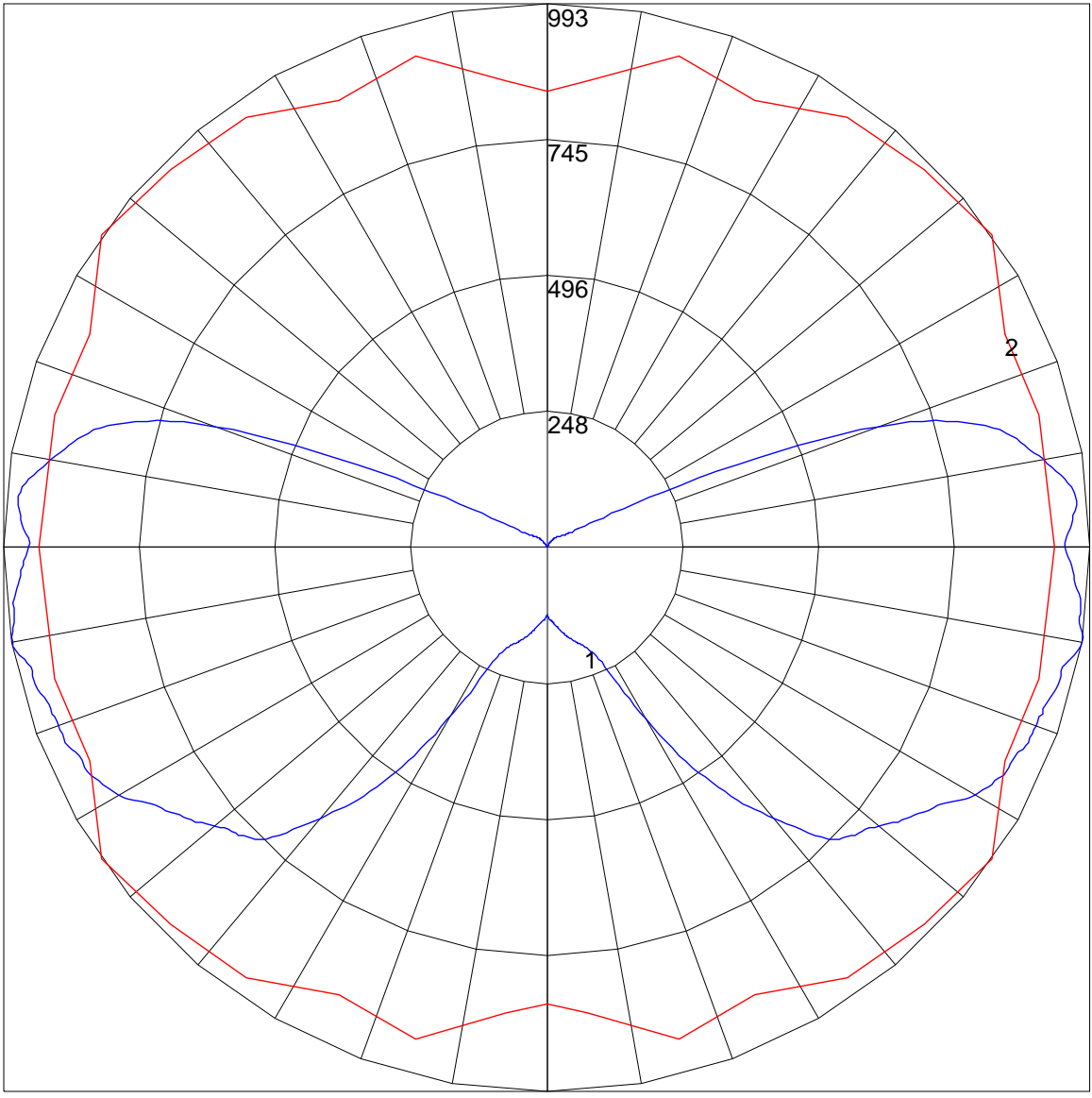
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

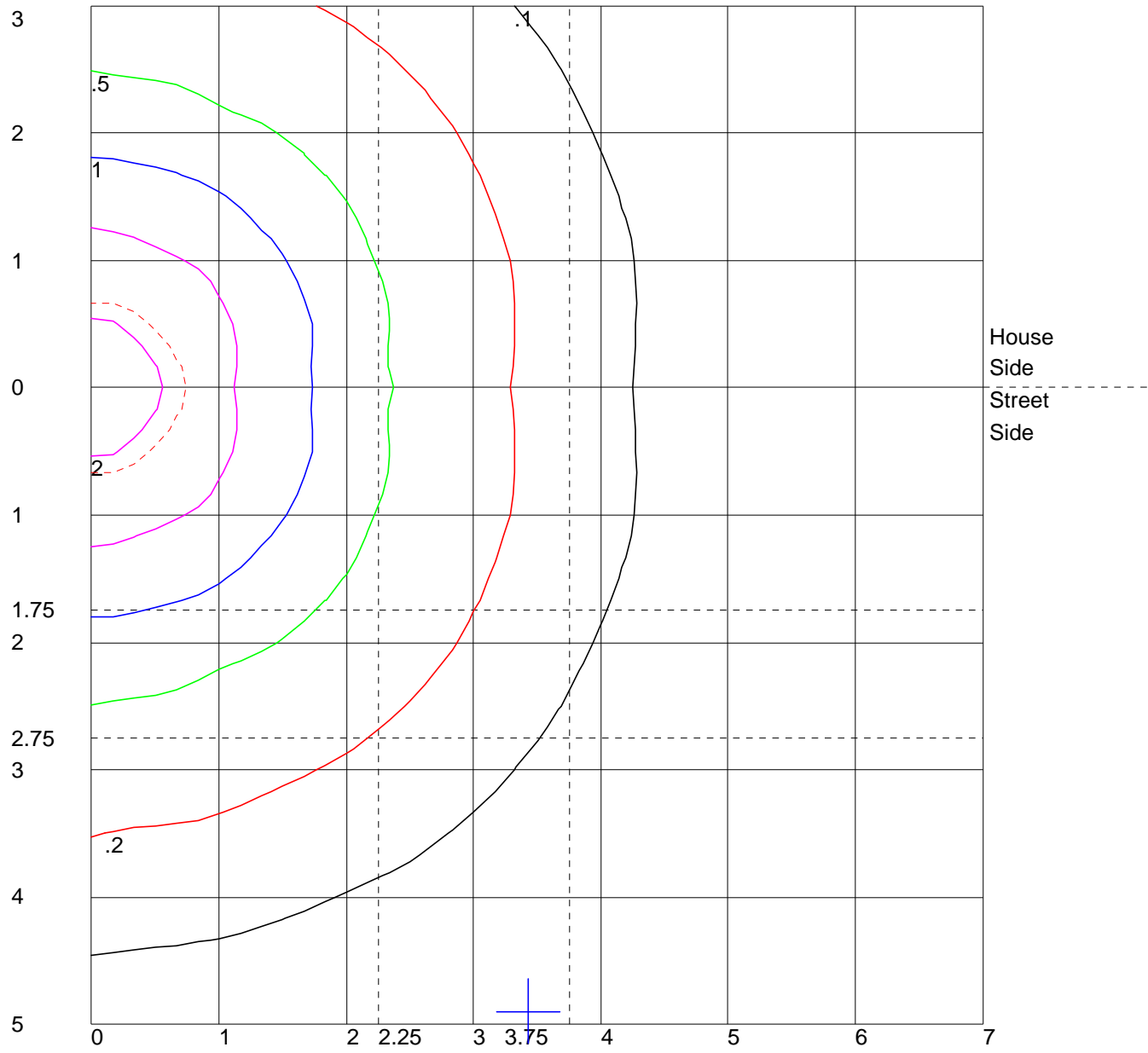
	Lumens	Percent Of Lamp
Downward Street Side	2331.8	24.5
Downward House Side	2331.8	24.5
Downward Total	4663.6	49.1
Upward Street Side	1098.4	11.6
Upward House Side	1098.4	11.6
Upward Total	2196.8	23.1
Total Flux	6860.4	72.2

POLAR GRAPH



Maximum Candela = 992.83 Located At Horizontal Angle = 35, Vertical Angle = 80.5
1 - Vertical Plane Through Horizontal Angles (35 - 215) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (80.5) (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