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IES ROAD REPORT
PHOTOMETRIC FILENAME : AGA1-175WMH.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 14063
[TESTLAB] LUMINAIRE TESTING LABORATORY, INC.
[ISSUEDATE] 10-17-2008
[MANUFAC] BRANDON INDUSTRIES
[LUMCAT] 175WMH-AGA1
[LUMINAIRE] CAST ALUMINUM HOUSING, SPUN SEMI-SPECULAR ALUMINUM BASE,
[MORE] CLEAR PATTERNED PLASTIC ENCLOSURE WITH SPUN-SEMI-SPECULAR
[MORE] ALUMINUM TOP REFLECTOR.
[LAMP] ONE CLEAR VBD M152/M137 175 WATT ED28 PULSE START METAL HALIDE
[MORE] LAMP RATED AT 16,000 LUMENS.
[LAMPCAT] PHILIPS MS175/BU/PS

CHARACTERISTICS

IES Classification	Type V
Longitudinal Classification	Short
Cutoff Classification	Non-Cutoff
Total Rated Lamp Lumens	16000
Maximum Candela	2071.4
Maximum Candela Angle	0H 54.5V
Maximum Candela At 90 Degrees Vertical	1305 (8.16% Lamp Lms)
Maximum Candela At 80 Degrees Vertical	2022 (12.64% Lamp Lms)
Downward Total Efficiency	70.7%

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CANDELA TABULATION

Vert. Angles	Horizontal Angles
	<u>0</u>
0	354.3
0.5	362
1	369.7
1.5	376.4
2	381.9
2.5	386
3	389.6
3.5	393.1
4	397.1
4.5	401
5	405.3
5.5	409.7
6	414.6
6.5	420
7	425.5
7.5	431.7
8	438.3
8.5	445.1
9	451.9
9.5	458.4
10	464.5
10.5	470.5
11	476.4
11.5	482.5
12	488.4
12.5	494.9
13	501.7
13.5	509.2
14	517.4
14.5	526.8
15	537.6
15.5	550
16	565.6
16.5	583.7
17	605.8
17.5	632.7
18	664.6
18.5	699.8
19	740.5
19.5	784.3
20	832
20.5	882.6
21	935.4
21.5	987.4
22	1038.2
22.5	1084.7
23	1127.3
23.5	1167.2
24	1203.6
24.5	1237.8
25	1268.4
25.5	1296.8
26	1322.4

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CANDELA TABULATION - (Cont.)

26.5	1348.8
27	1374.5
27.5	1399.4
28	1422.8
28.5	1444
29	1464.7
29.5	1485.2
30	1505.5
30.5	1524.1
31	1541.8
31.5	1556.8
32	1570.6
32.5	1584
33	1598.5
33.5	1613.1
34	1631
34.5	1649.6
35	1669
35.5	1686.9
36	1703
36.5	1718.5
37	1730
37.5	1741.7
38	1751.8
38.5	1763.7
39	1775.5
39.5	1787.9
40	1800
40.5	1813.1
41	1826.4
41.5	1842.4
42	1858.5
42.5	1877.4
43	1897.4
43.5	1916.7
44	1935.8
44.5	1954.9
45	1972.7
45.5	1987.7
46	1999.5
46.5	2008.6
47	2018.8
47.5	2027.4
48	2033.9
48.5	2036.5
49	2039.3
49.5	2040.2
50	2041.1
50.5	2043.4
51	2046.3
51.5	2050.2
52	2052.6
52.5	2055.1
53	2058.5
53.5	2064.6
54	2068.2

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CANDELA TABULATION - (Cont.)

54.5	2071.4
55	2071.1
55.5	2070.4
56	2067.8
56.5	2064
57	2060.5
57.5	2056.9
58	2054.2
58.5	2051.3
59	2048.6
59.5	2048.4
60	2049.9
60.5	2052.2
61	2056.5
61.5	2059.9
62	2061.9
62.5	2060.9
63	2058.2
63.5	2054.6
64	2048.3
64.5	2040.6
65	2032.5
65.5	2023.3
66	2015.1
66.5	2008
67	2002.3
67.5	1997.6
68	1992
68.5	1987.8
69	1983.5
69.5	1979.9
70	1976.3
70.5	1974.7
71	1972.7
71.5	1974
72	1977.2
72.5	1979.8
73	1983.2
73.5	1985.3
74	1988.4
74.5	1990.9
75	1995
75.5	1997.9
76	2001.4
76.5	2003.1
77	2006.3
77.5	2009.2
78	2013.3
78.5	2018.5
79	2021.5
79.5	2023
80	2022
80.5	2020.5
81	2015.5
81.5	2011.2
82	2004

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CANDELA TABULATION - (Cont.)

82.5	1994.4
83	1982.7
83.5	1968.9
84	1953.3
84.5	1933.5
85	1909.9
85.5	1880.6
86	1846.5
86.5	1804.4
87	1756.3
87.5	1700.4
88	1635.7
88.5	1563.9
89	1485.2
89.5	1397.4
90	1305
90.5	1207.2
91	1106
91.5	1006.1
92	910.4
92.5	816.6
93	731.3
93.5	654.3
94	584.1
94.5	524.3
95	473.1
95.5	429.2
96	391.9
96.5	359.4
97	330.3
97.5	304.9
98	282.3
98.5	262.3
99	244.6
99.5	228.8
100	215
100.5	202.7
101	192.1
101.5	182.5
102	174.2
102.5	166.6
103	159.8
103.5	153.7
104	148.4
104.5	143.4
105	139
105.5	134.9
106	131.2
106.5	127.8
107	124.7
107.5	121.7
108	119
108.5	116.5
109	114.1
109.5	111.9
110	109.7

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CANDELA TABULATION - (Cont.)

110.5	107.7
111	105.7
111.5	103.8
112	101.9
112.5	100.2
113	98.4
113.5	96.7
114	95.1
114.5	93.4
115	91.7
115.5	90.1
116	88.6
116.5	87
117	85.5
117.5	83.9
118	82.5
118.5	81
119	79.8
119.5	78.3
120	77.1
120.5	75.8
121	74.7
121.5	73.6
122	72.4
122.5	71.3
123	70.4
123.5	69.4
124	68.5
124.5	67.8
125	66.9
125.5	66.1
126	65.3
126.5	64.6
127	63.7
127.5	63
128	62.3
128.5	61.5
129	60.7
129.5	59.9
130	59.1
130.5	58.3
131	57.6
131.5	56.7
132	55.9
132.5	55.1
133	54.2
133.5	53.4
134	52.6
134.5	51.7
135	50.9
135.5	50
136	49
136.5	48.1
137	47.2
137.5	46.2
138	45.2

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CANDELA TABULATION - (Cont.)

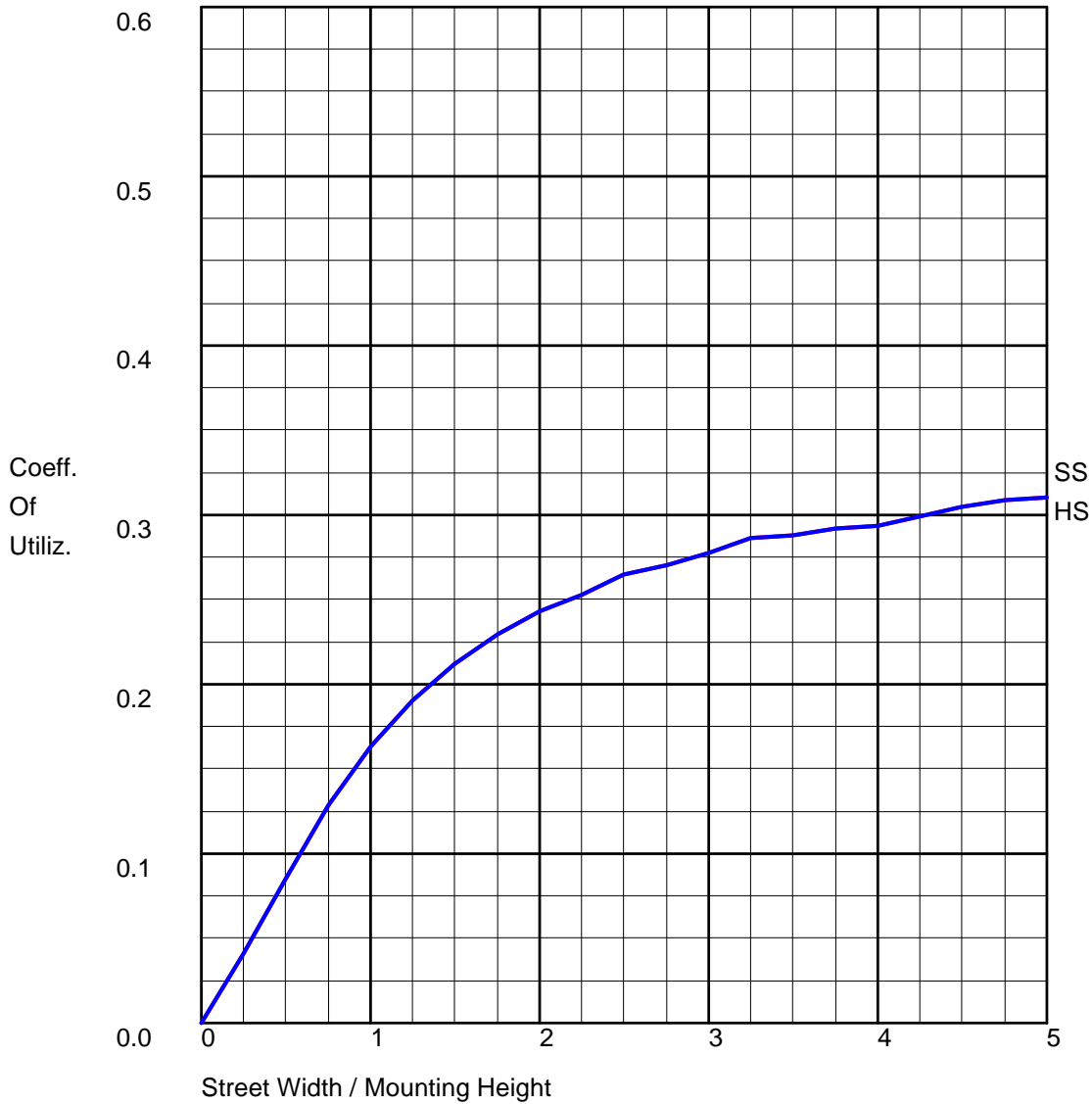
138.5	44.2
139	43.1
139.5	42
140	41
140.5	40
141	38.8
141.5	37.7
142	36.5
142.5	35.4
143	34.3
143.5	33.1
144	31.9
144.5	30.8
145	29.6
145.5	28.4
146	27.4
146.5	26.2
147	25.1
147.5	24.1
148	23
148.5	21.9
149	20.8
149.5	19.8
150	18.8
150.5	17.9
151	16.9
151.5	16
152	15.1
152.5	14.3
153	13.4
153.5	12.6
154	11.8
154.5	11
155	10.3
155.5	9.5
156	8.8
156.5	8
157	7.4
157.5	6.7
158	6.1
158.5	5.5
159	4.8
159.5	4.2
160	3.6
160.5	3.1
161	2.5
161.5	2
162	1.6
162.5	1.1
163	0.8
163.5	0.4
164	0.2
164.5	0
165	0
165.5	0
166	0

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CANDELA TABULATION - (Cont.)

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
180	0

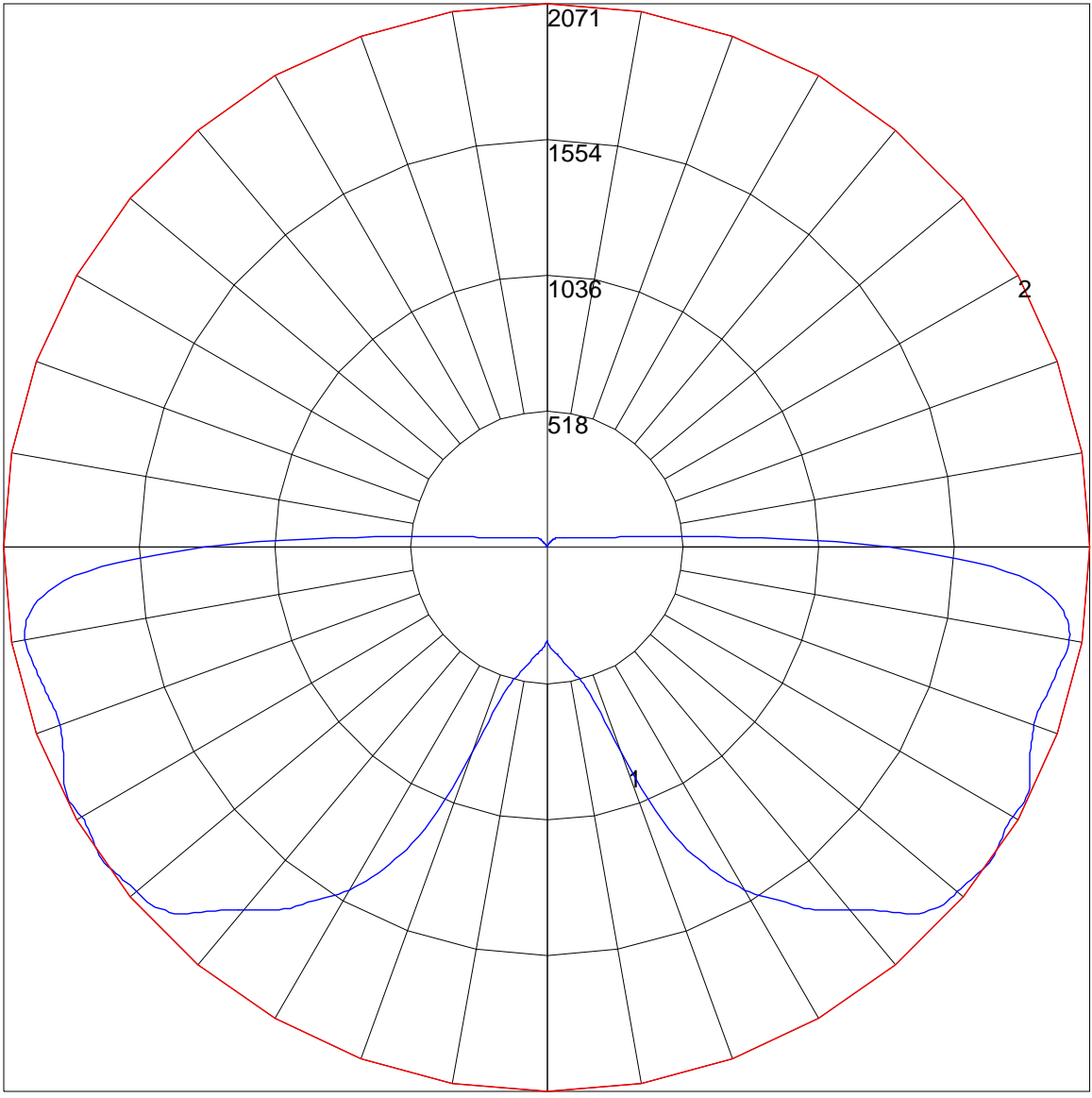
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Lamp
Downward Street Side	5655.2	35.3
Downward House Side	5655.2	35.3
Downward Total	11310.4	70.7
Upward Street Side	502.9	3.1
Upward House Side	502.9	3.1
Upward Total	1005.8	6.3
Total Flux	12316.2	77.0

POLAR GRAPH



Maximum Candela = 2071.4 Located At Horizontal Angle = 0, Vertical Angle = 54.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (54.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

