



Brandon Industries, Inc.
1601 Wilmeth Road
McKinney, TX 75069
(800) 247-1274
www.brandonindustries.com

IES ROAD REPORT

PHOTOMETRIC FILENAME : AA-250WHPS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-1995

[DATE]07/19/00

[TEST]ITL50159

[MANUFAC]BRANDON INDUSTRIES, INC.

[LUMCAT]AA

[LUMINAIRE]CAST BLACK PAINTED METAL POST TOP FITTER, SPUN SEMI-SPECULAR
[MORE]CYLINDRICAL METAL BALLAST HOUSING, CLEAR TEXTURED POLYCARBONATE
[MORE]ACORN GLOBE DIFFUSER.

[LAMP]ONE 250-WATT CLEAR E-18 HIGH PRESSURE SODIUM, VERTICAL BASE-DOWN
[MORE]POSITION.

[_ARCVOLTSRISE] 5.2

CHARACTERISTICS

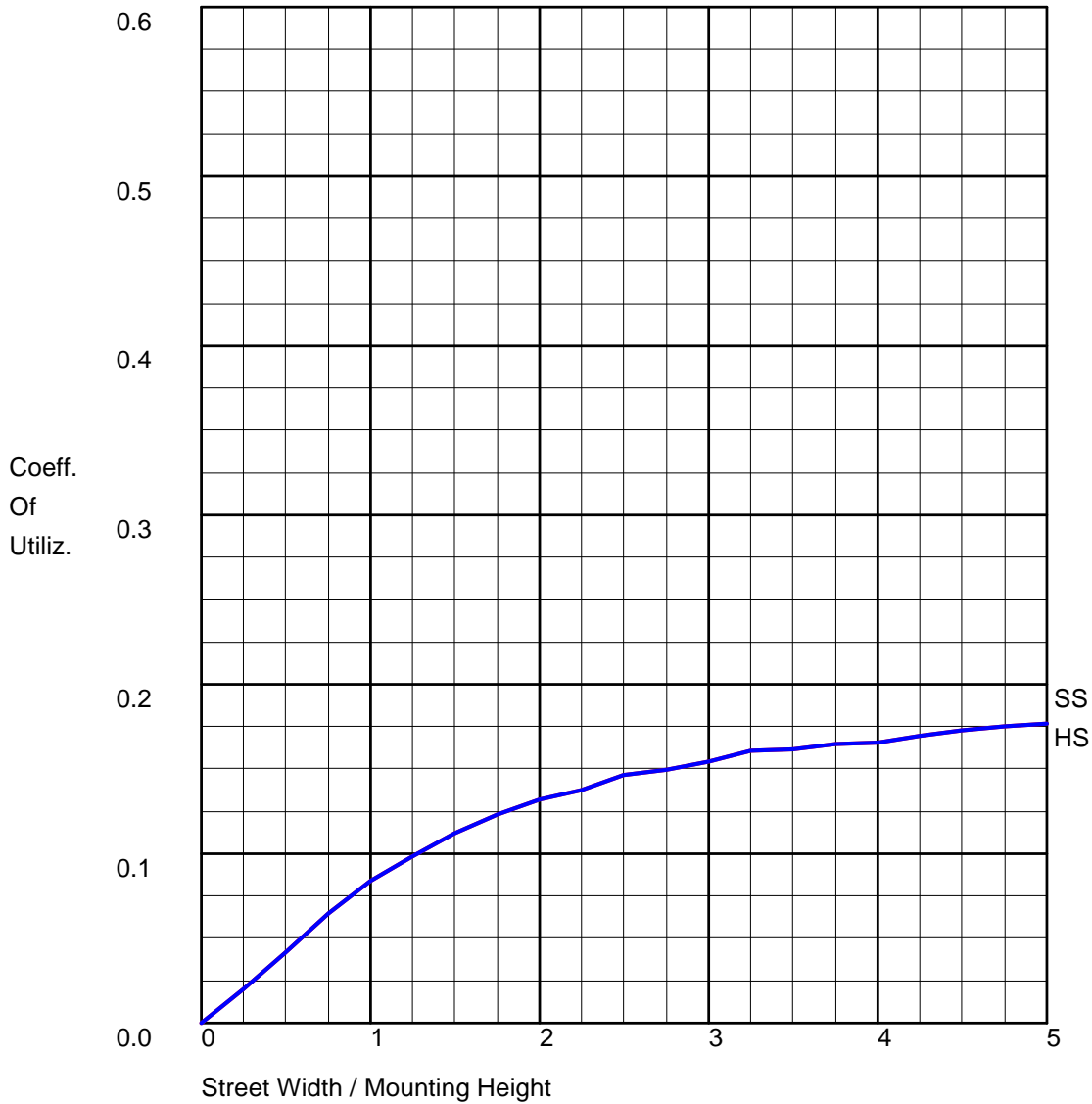
IES Classification	Type V
Longitudinal Classification	Medium
Cutoff Classification	Non-Cutoff
Total Rated Lamp Lumens	28000
Maximum Candela	2374
Maximum Candela Angle	0H 70V
Maximum Candela At 90 Degrees Vertical	2295 (8.20% Lamp Lms)
Maximum Candela At 80 Degrees Vertical	2252 (8.04% Lamp Lms)
Downward Total Efficiency	41.4%

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CANDELA TABULATION

Vert. Angles	Horizontal Angles
	<u>0</u>
0	152
2.5	118
5	148
7.5	194
10	282
12.5	326
15	354
17.5	409
20	538
22.5	713
25	852
27.5	963
30	1072
32.5	1176
35	1280
37.5	1382
40	1477
42.5	1576
45	1664
47.5	1744
50	1832
52.5	1912
55	1996
57.5	2086
60	2165
62.5	2239
65	2294
67.5	2340
70	2374
72.5	2371
75	2344
77.5	2300
80	2252
82.5	2204
85	2206
87.5	2247
90	2295
95	2333
105	2196
115	2261
125	1984
135	1706
145	1242
155	695
165	417
175	321
180	322

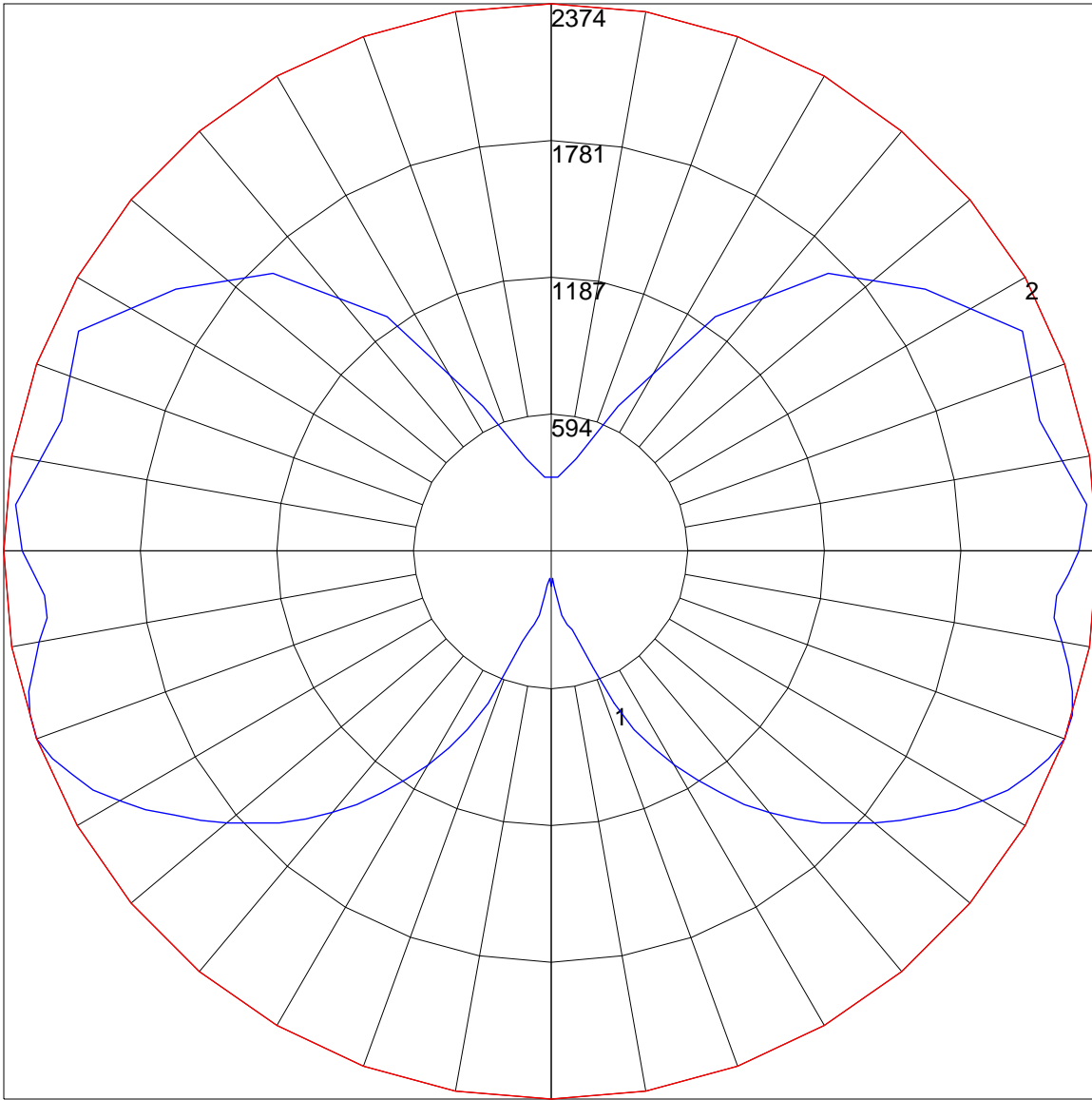
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

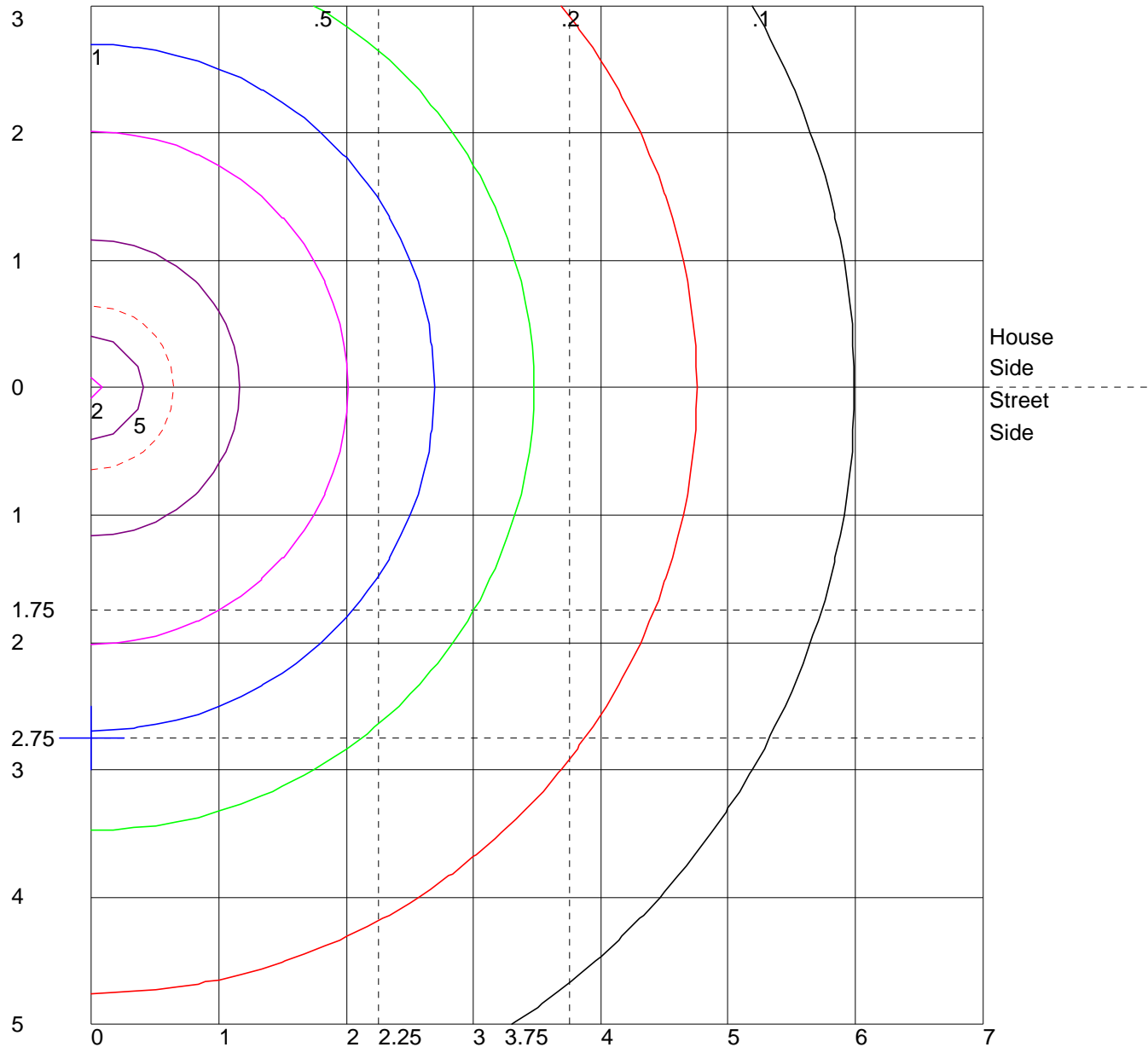
	Lumens	Percent Of Lamp
Downward Street Side	5792.7	20.7
Downward House Side	5792.7	20.7
Downward Total	11585.4	41.4
Upward Street Side	5709.3	20.4
Upward House Side	5709.3	20.4
Upward Total	11418.6	40.8
Total Flux	23004.0	82.2

POLAR GRAPH



Maximum Candela = 2374 Located At Horizontal Angle = 0, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (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