



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

IES ROAD REPORT
PHOTOMETRIC FILENAME : AA-70WHPS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-1995
[DATE]07/19/00
[TEST]ITL50158
[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 70-WATT CLEAR B-17 HIGH PRESSURE SODIUM, VERTICAL BASE-DOWN
[MORE]POSITION.
[_ARCVOLTSRISE] 1.5

CHARACTERISTICS

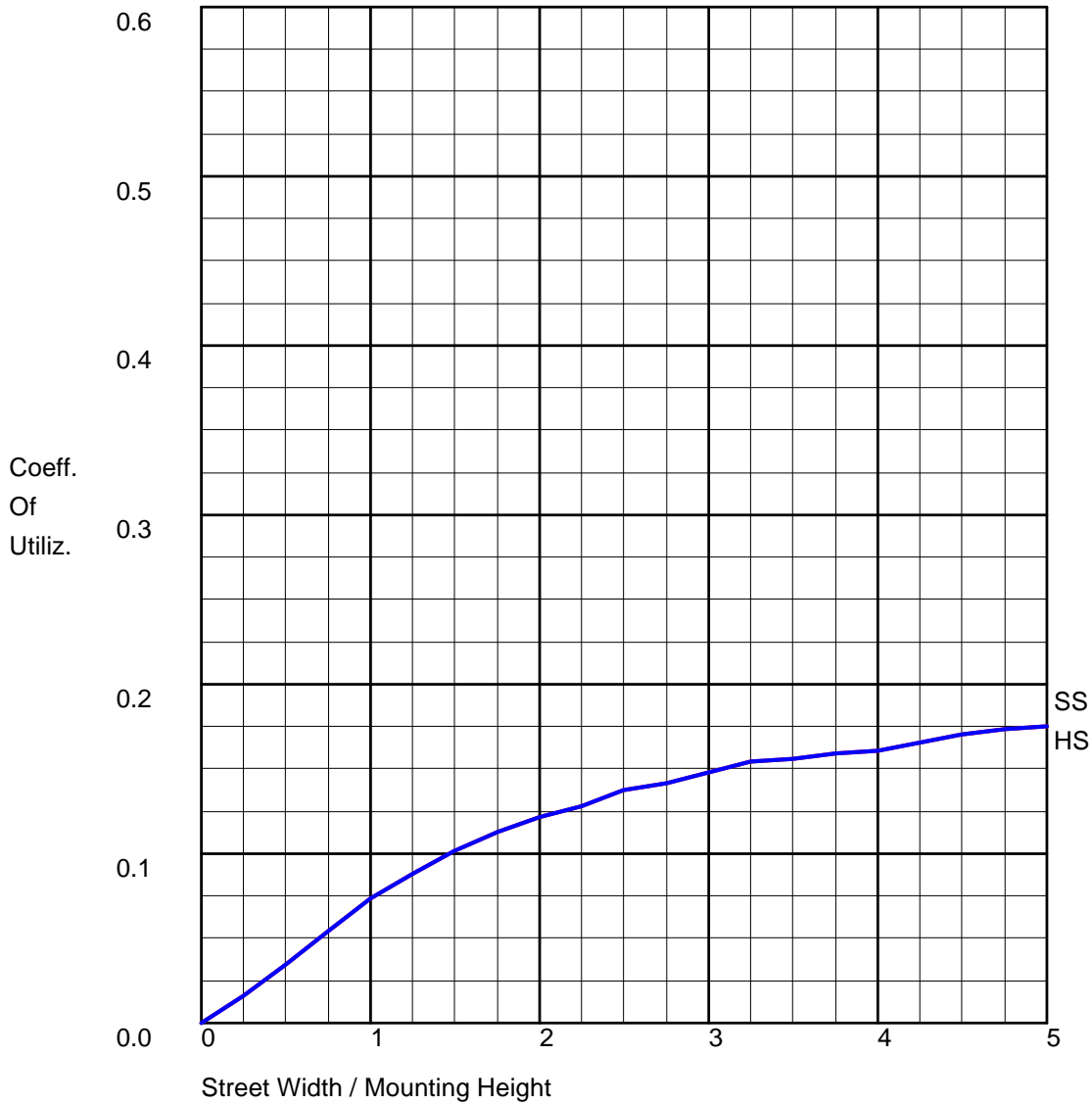
IES Classification	Type V
Longitudinal Classification	Long
Cutoff Classification	Non-Cutoff
Total Rated Lamp Lumens	6400
Maximum Candela	742
Maximum Candela Angle	0H 87.5V
Maximum Candela At 90 Degrees Vertical	719 (11.23% Lamp Lms)
Maximum Candela At 80 Degrees Vertical	742 (11.59% Lamp Lms)
Downward Total Efficiency	43.5%

IES ROAD REPORT
PHOTOMETRIC FILENAME : AA-70WHPS.IES

CANDELA TABULATION

Vert. Angles	Horizontal Angles
	<u>0</u>
0	19
2.5	19
5	17
7.5	20
10	26
12.5	31
15	33
17.5	35
20	37
22.5	40
25	45
27.5	58
30	131
32.5	231
35	215
37.5	265
40	321
42.5	313
45	345
47.5	362
50	362
52.5	397
55	443
57.5	445
60	447
62.5	490
65	528
67.5	529
70	552
72.5	603
75	654
77.5	684
80	677
82.5	683
85	689
87.5	742
90	719
95	664
105	596
115	510
125	406
135	372
145	331
155	207
165	100
175	58
180	62

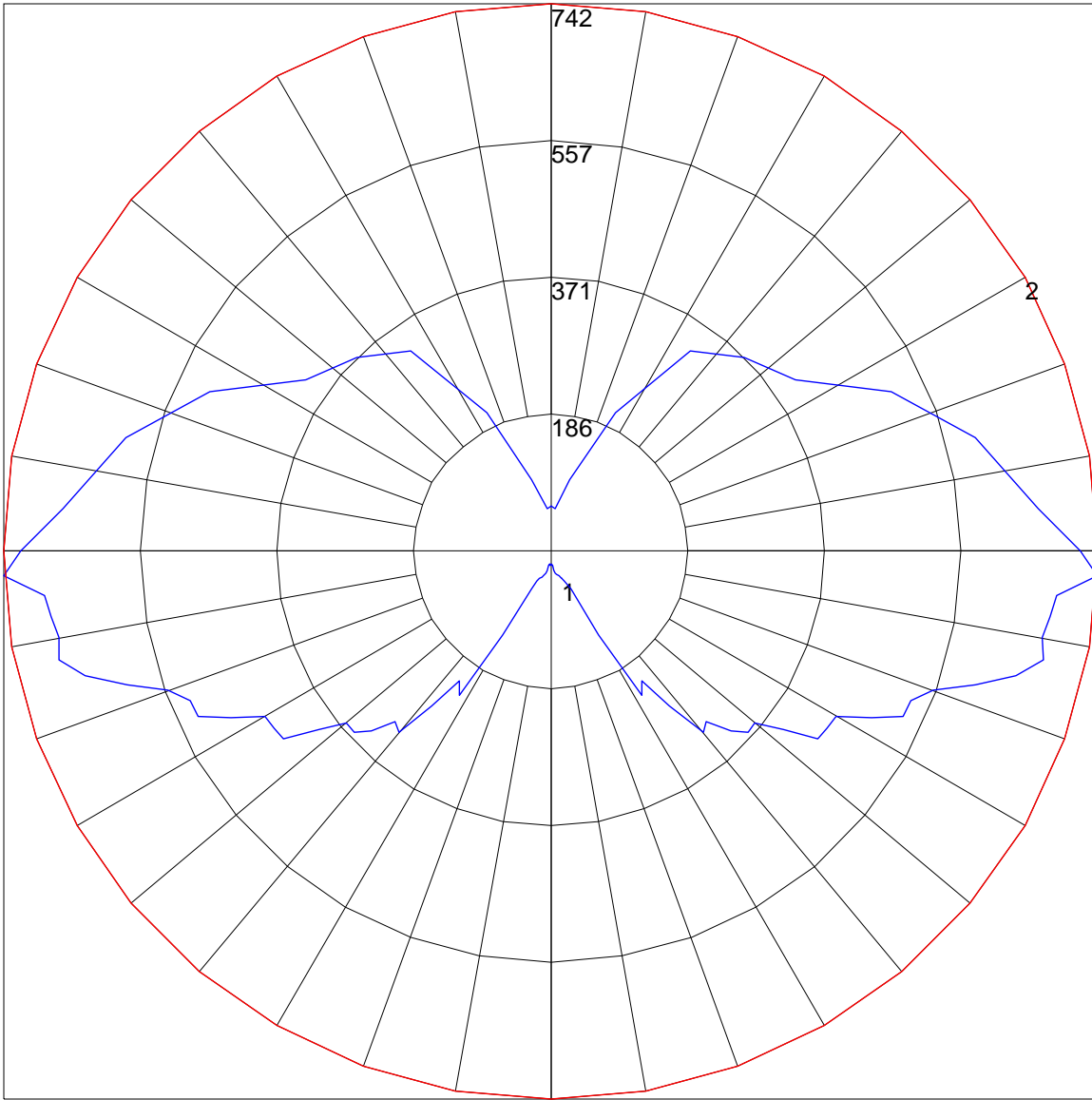
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

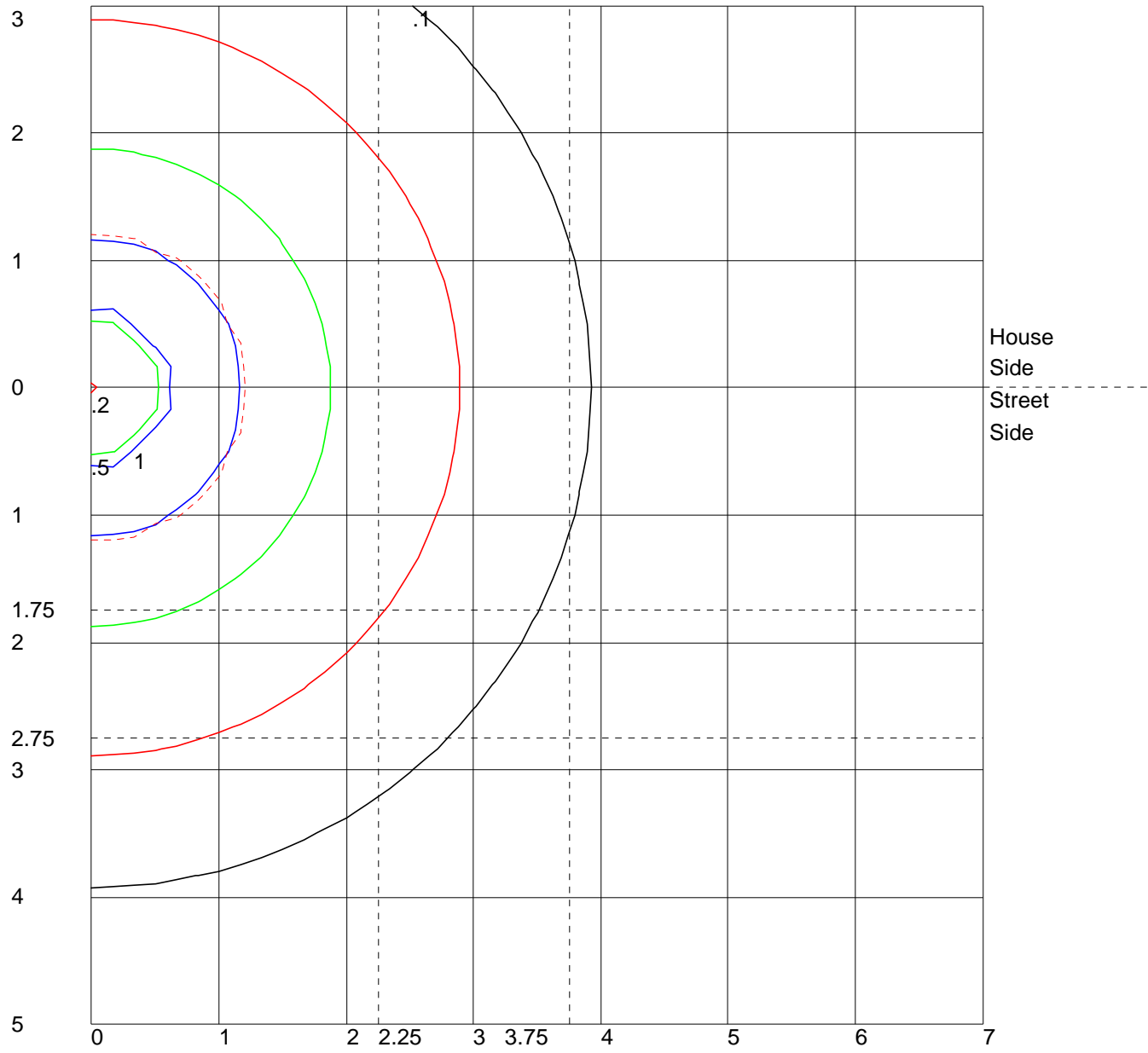
	Lumens	Percent Of Lamp
Downward Street Side	1391.7	21.7
Downward House Side	1391.7	21.7
Downward Total	2783.4	43.5
Upward Street Side	1428.4	22.3
Upward House Side	1428.4	22.3
Upward Total	2856.8	44.6
Total Flux	5640.2	88.1

POLAR GRAPH



Maximum Candela = 742 Located At Horizontal Angle = 0, Vertical Angle = 87.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (87.5) (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