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**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : AA-250WMH.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-1995  
[DATE]08/03/00  
[TEST]ITL50278  
[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 PHOSPHOR COATED E-28 METAL HALIDE, VERTICAL BASE-DOWN  
[MORE]POSITION.

**CHARACTERISTICS**

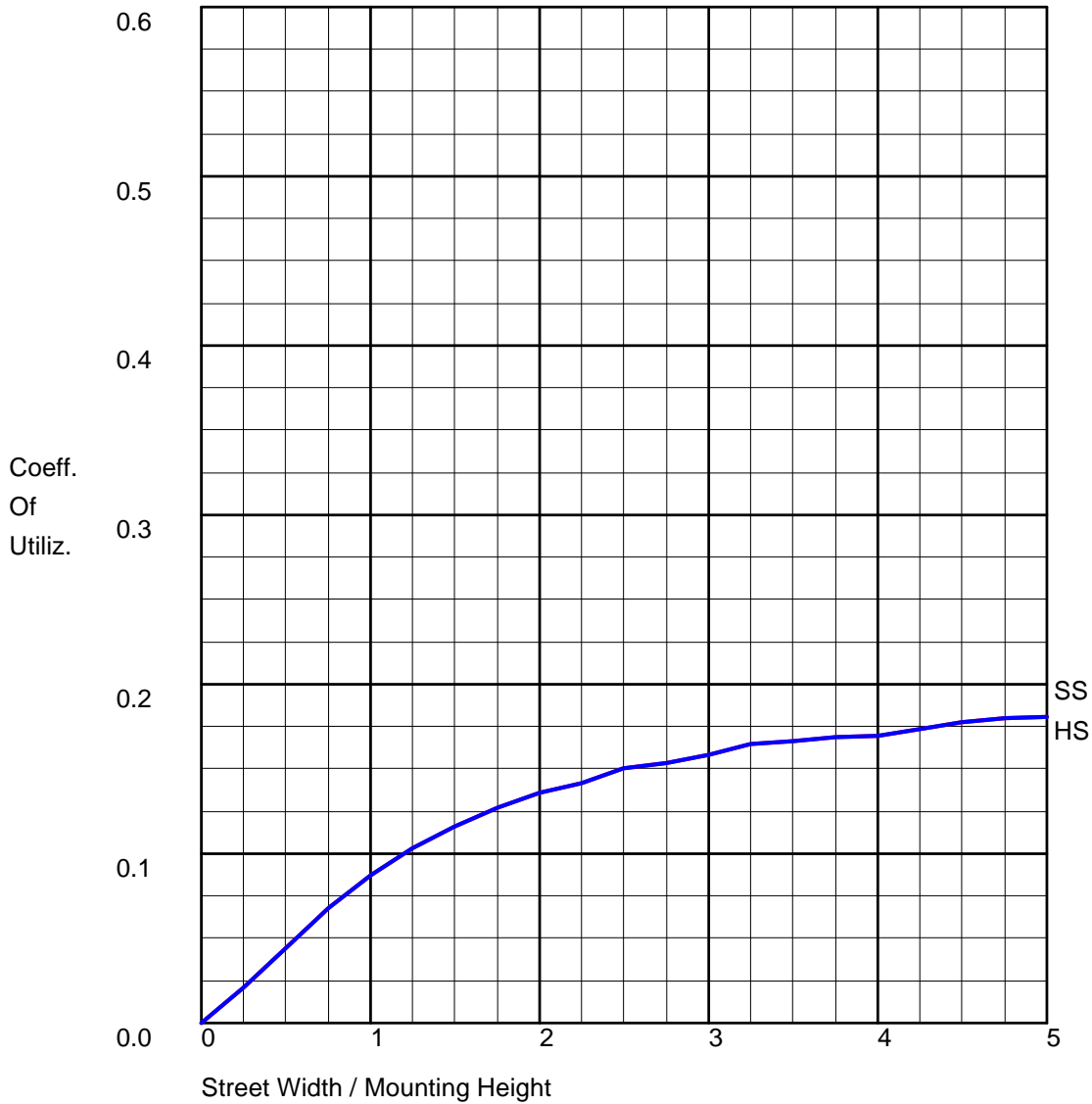
IES Classification	Type V
Longitudinal Classification	Long
Cutoff Classification	Non-Cutoff
Total Rated Lamp Lumens	20500
Maximum Candela	1725
Maximum Candela Angle	0H 77.5V
Maximum Candela At 90 Degrees Vertical	1679 (8.19% Lamp Lms)
Maximum Candela At 80 Degrees Vertical	1725 (8.41% Lamp Lms)
Downward Total Efficiency	42.6%

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>
	<u>0</u>
<b>0</b>	112
<b>2.5</b>	82
<b>5</b>	91
<b>7.5</b>	127
<b>10</b>	183
<b>12.5</b>	247
<b>15</b>	333
<b>17.5</b>	440
<b>20</b>	540
<b>22.5</b>	632
<b>25</b>	724
<b>27.5</b>	806
<b>30</b>	873
<b>32.5</b>	943
<b>35</b>	1010
<b>37.5</b>	1078
<b>40</b>	1138
<b>42.5</b>	1201
<b>45</b>	1262
<b>47.5</b>	1323
<b>50</b>	1382
<b>52.5</b>	1436
<b>55</b>	1491
<b>57.5</b>	1539
<b>60</b>	1586
<b>62.5</b>	1627
<b>65</b>	1657
<b>67.5</b>	1682
<b>70</b>	1698
<b>72.5</b>	1712
<b>75</b>	1722
<b>77.5</b>	1725
<b>80</b>	1725
<b>82.5</b>	1720
<b>85</b>	1709
<b>87.5</b>	1695
<b>90</b>	1679
<b>95</b>	1648
<b>105</b>	1627
<b>115</b>	1627
<b>125</b>	1468
<b>135</b>	1303
<b>145</b>	1075
<b>155</b>	831
<b>165</b>	570
<b>175</b>	410
<b>180</b>	397

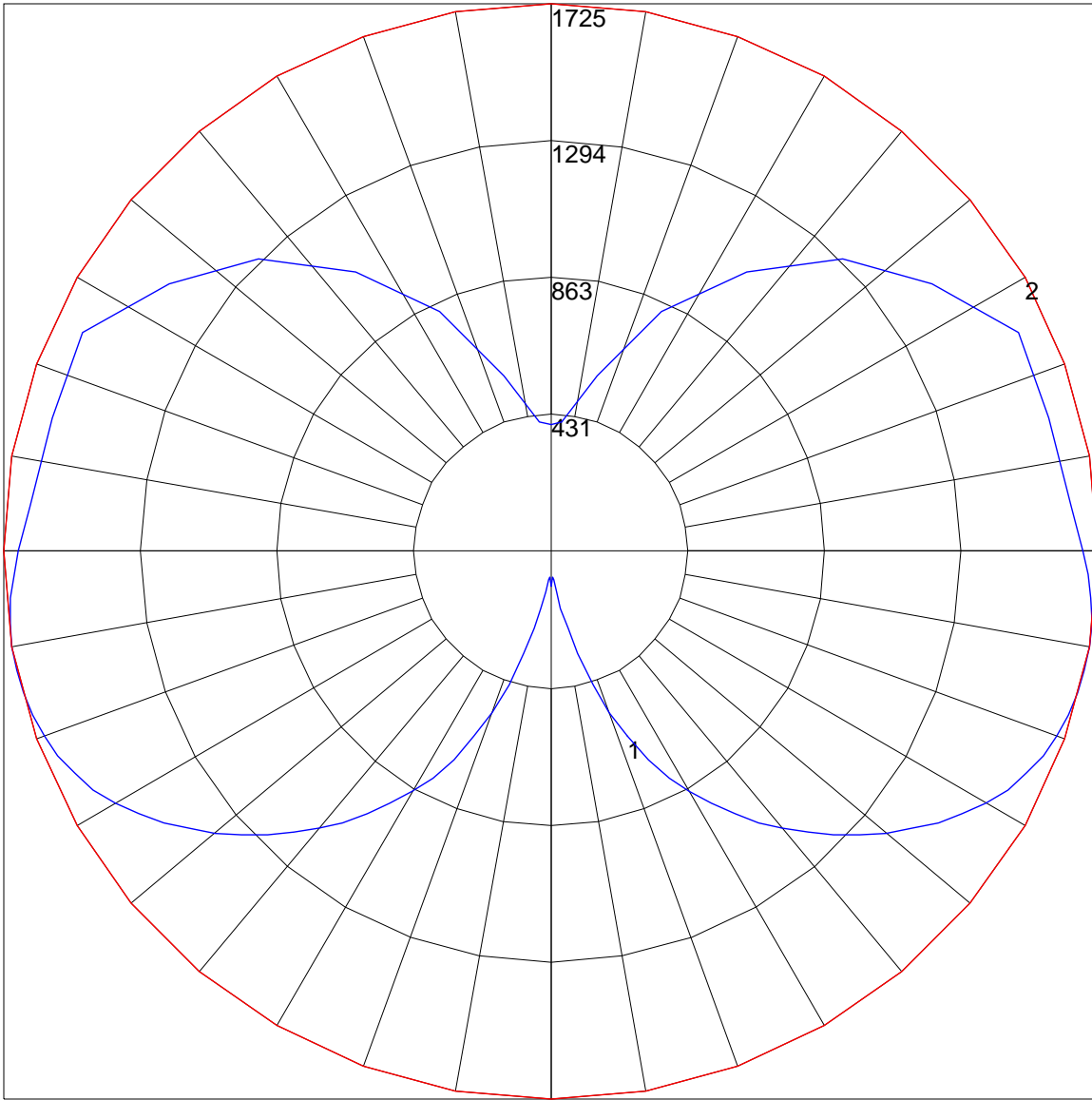
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

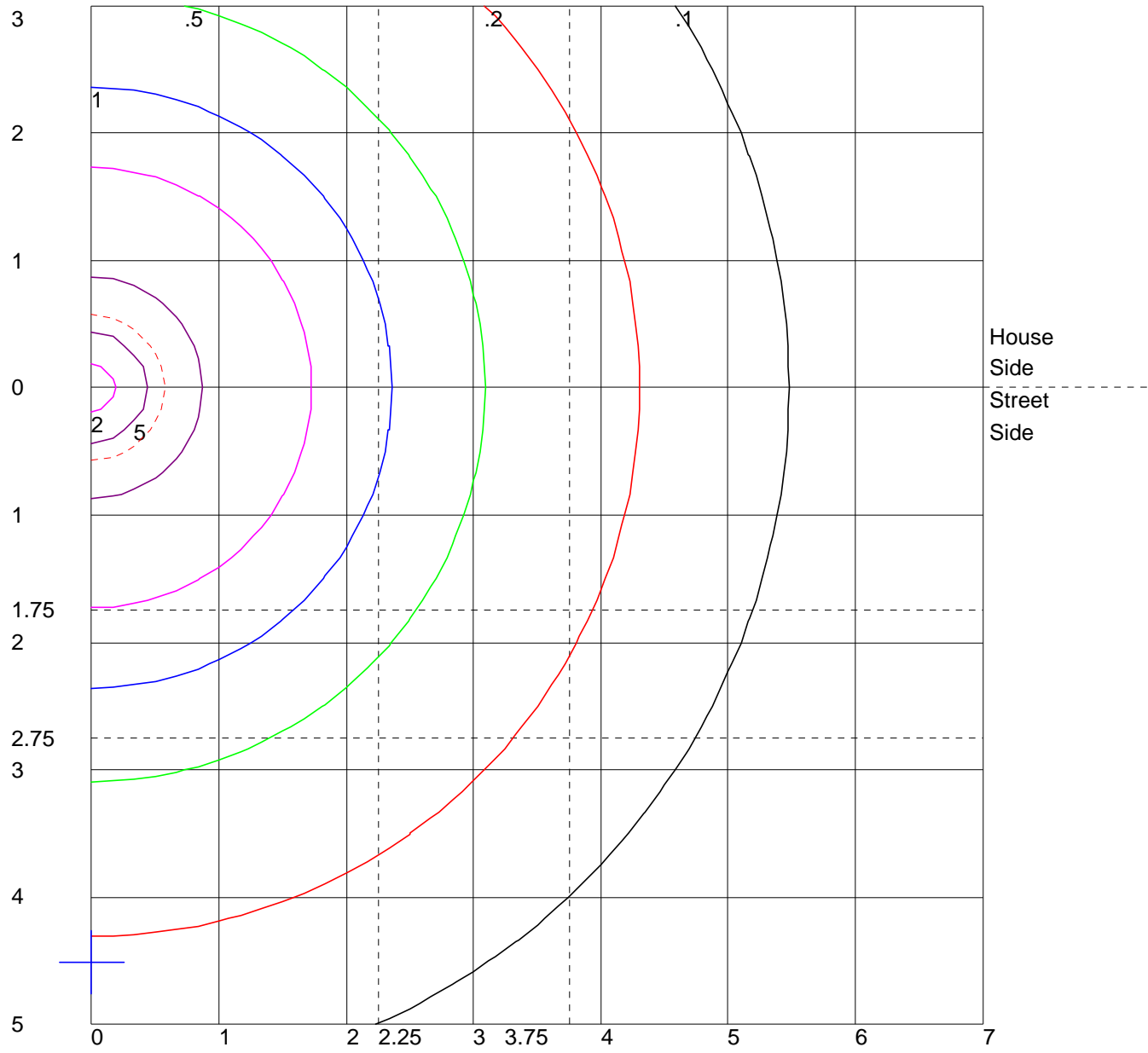
	Lumens	Percent Of Lamp
Downward Street Side	4362.1	21.3
Downward House Side	4362.1	21.3
Downward Total	8724.2	42.6
Upward Street Side	4353.0	21.2
Upward House Side	4353.0	21.2
Upward Total	8706.0	42.5
Total Flux	17430.2	85.0

POLAR GRAPH



Maximum Candela = 1725 Located At Horizontal Angle = 0, Vertical Angle = 77.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (77.5) (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