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**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : AF-100WMH.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-1995  
[DATE]08/02/00  
[TEST]ITL50277  
[MANUFAC]BRANDON INDUSTRIES, INC.  
[LUMCAT]AF  
[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 100-WATT PHOSPHOR COATED ED-17 METAL HALIDE, VERTICAL BASE-DOWN  
[MORE]POSITION.

**CHARACTERISTICS**

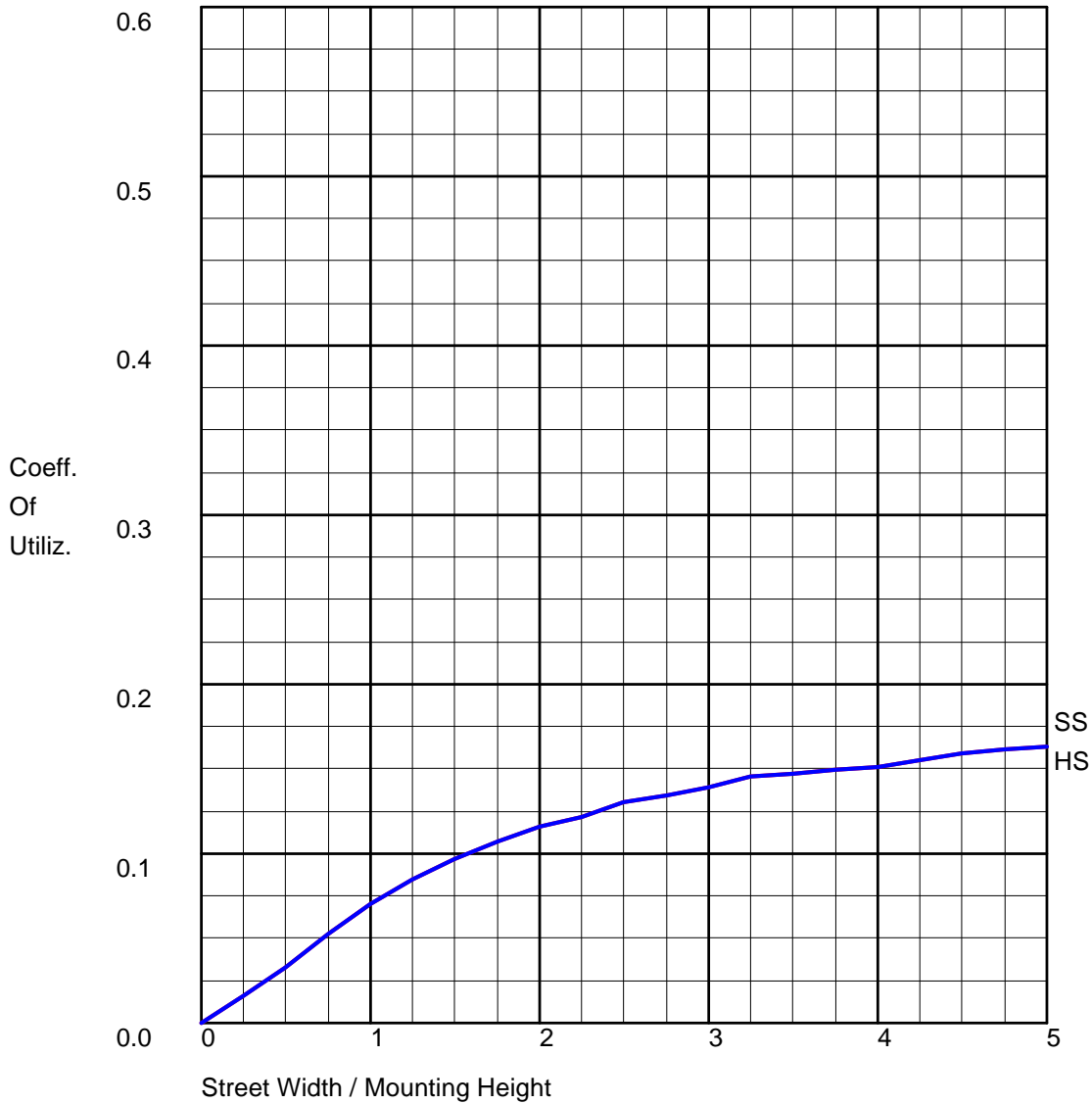
IES Classification	Type V
Longitudinal Classification	Long
Cutoff Classification	Non-Cutoff
Total Rated Lamp Lumens	9000
Maximum Candela	874
Maximum Candela Angle	0H 87.5V
Maximum Candela At 90 Degrees Vertical	870 (9.67% Lamp Lms)
Maximum Candela At 80 Degrees Vertical	874 (9.71% Lamp Lms)
Downward Total Efficiency	39.9%

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>
	<u>0</u>
<b>0</b>	23
<b>2.5</b>	23
<b>5</b>	22
<b>7.5</b>	24
<b>10</b>	34
<b>12.5</b>	40
<b>15</b>	43
<b>17.5</b>	48
<b>20</b>	54
<b>22.5</b>	72
<b>25</b>	110
<b>27.5</b>	156
<b>30</b>	205
<b>32.5</b>	252
<b>35</b>	299
<b>37.5</b>	347
<b>40</b>	393
<b>42.5</b>	435
<b>45</b>	471
<b>47.5</b>	501
<b>50</b>	530
<b>52.5</b>	556
<b>55</b>	581
<b>57.5</b>	606
<b>60</b>	631
<b>62.5</b>	657
<b>65</b>	684
<b>67.5</b>	709
<b>70</b>	733
<b>72.5</b>	759
<b>75</b>	783
<b>77.5</b>	809
<b>80</b>	832
<b>82.5</b>	853
<b>85</b>	869
<b>87.5</b>	874
<b>90</b>	870
<b>95</b>	855
<b>105</b>	806
<b>115</b>	737
<b>125</b>	665
<b>135</b>	596
<b>145</b>	531
<b>155</b>	453
<b>165</b>	289
<b>175</b>	188
<b>180</b>	197

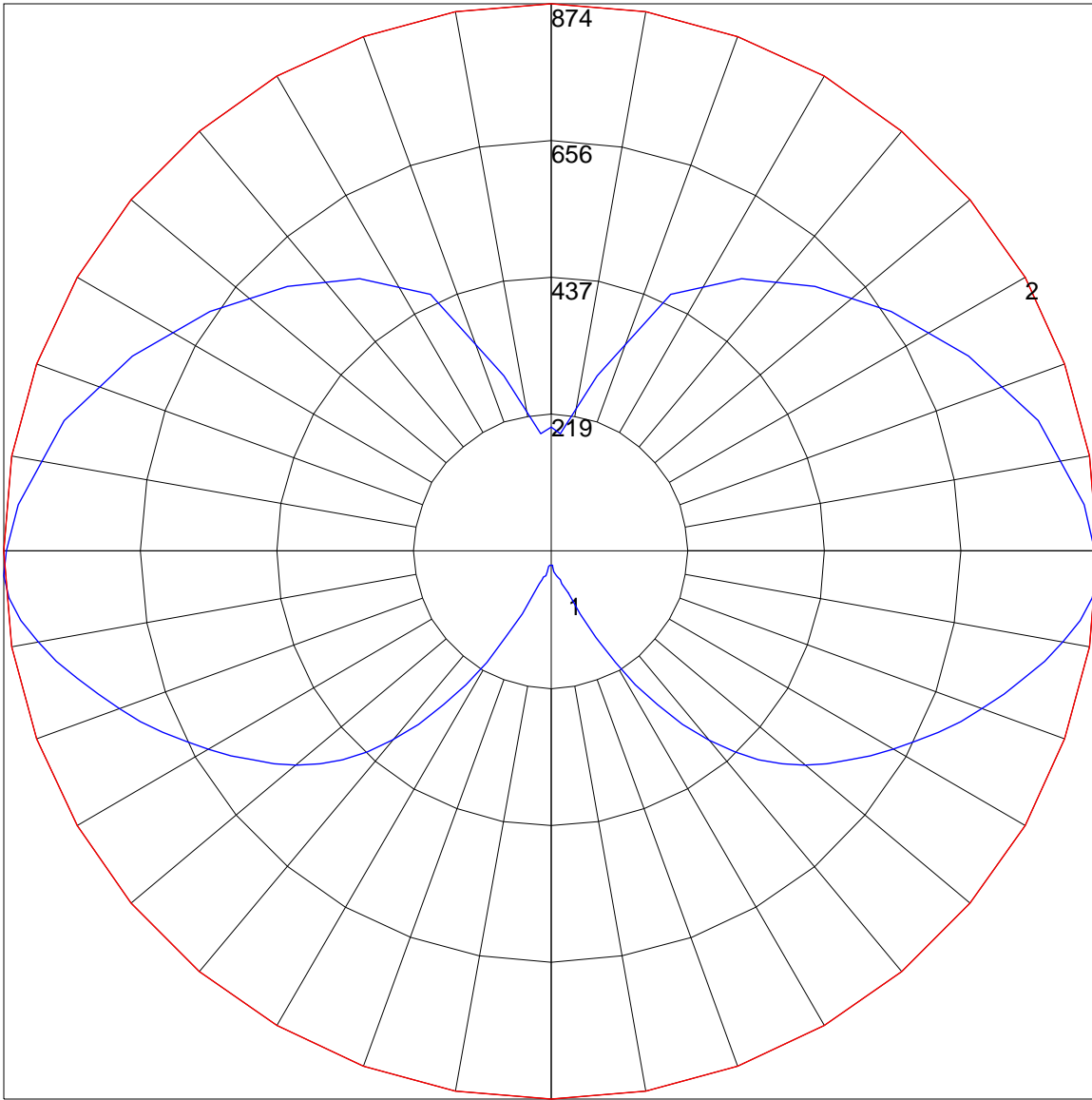
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

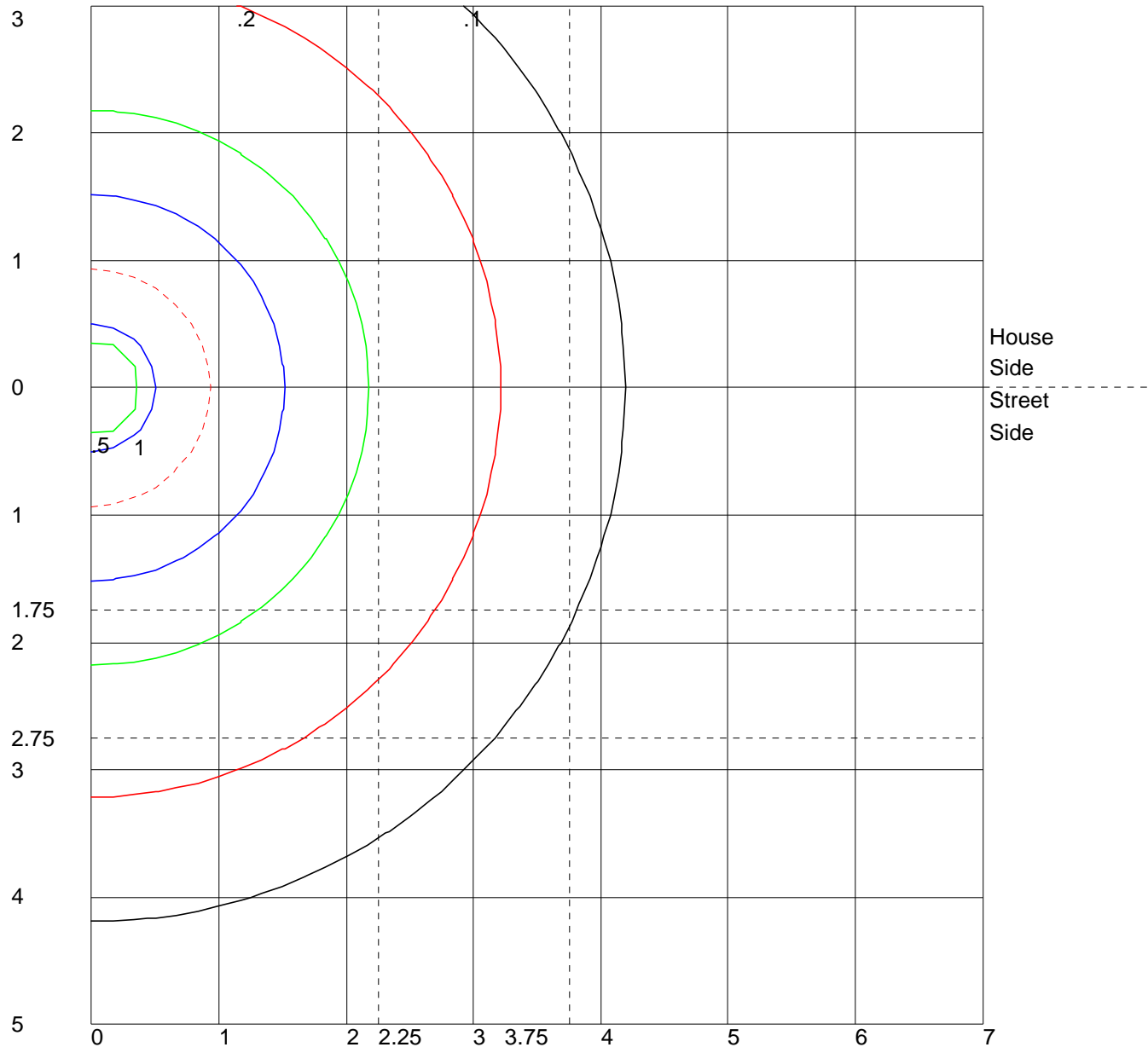
	Lumens	Percent Of Lamp
Downward Street Side	1797.4	20.0
Downward House Side	1797.4	20.0
Downward Total	3594.8	39.9
Upward Street Side	2105.5	23.4
Upward House Side	2105.5	23.4
Upward Total	4211.0	46.8
<b>Total Flux</b>	<b>7805.8</b>	<b>86.7</b>

POLAR GRAPH



Maximum Candela = 874 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