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**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : AC-250WHPS.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-1995  
[DATE]07/19/00  
[TEST]ITL50159  
[MANUFAC]BRANDON INDUSTRIES, INC.  
[LUMCAT]AC  
[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**

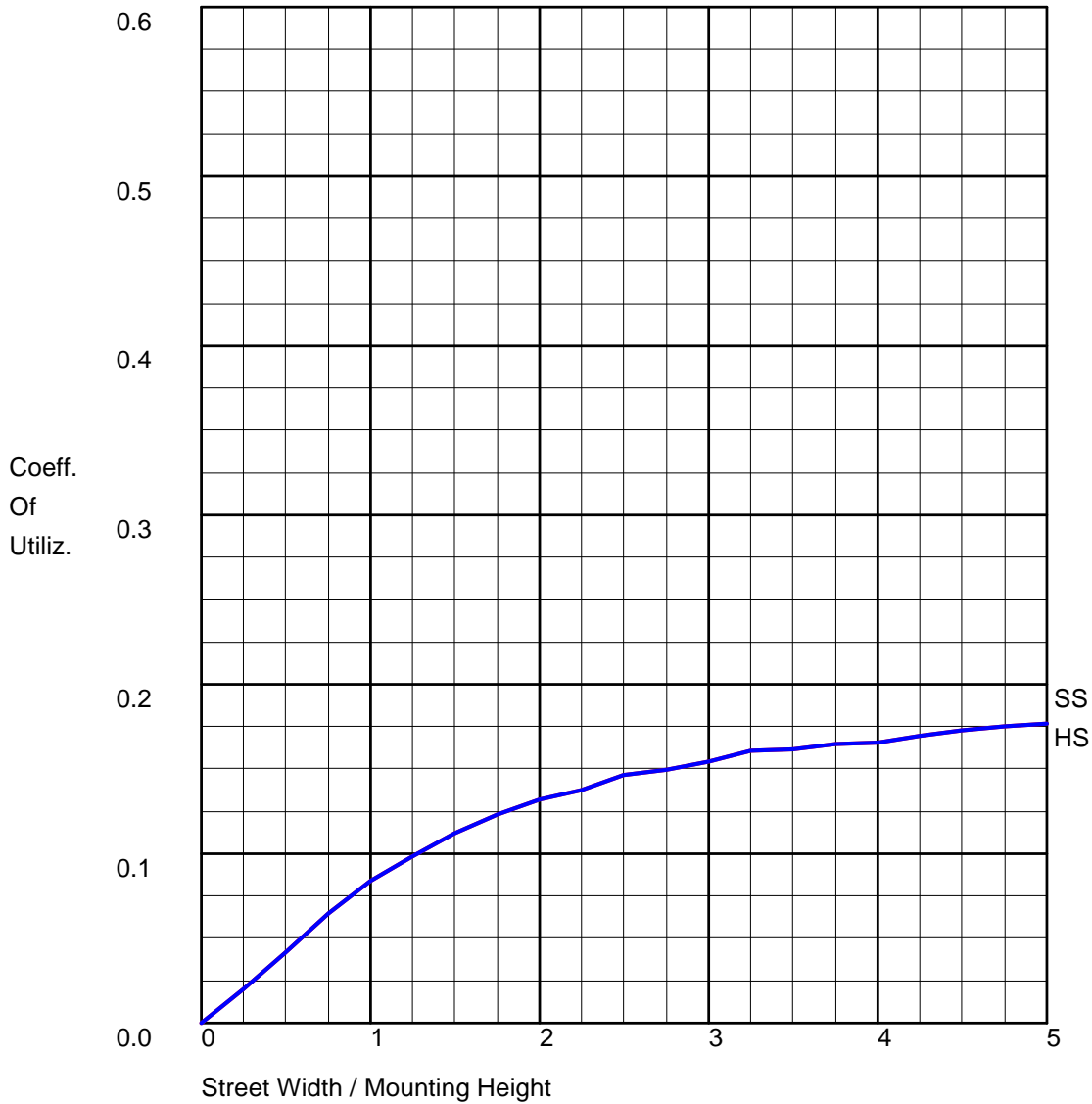
IES Classification	Type V
Longitudinal Classification	Medium
Cutoff Classification	Non-Cutoff
Total Rated Lamp Lumens	28000
Maximum Candela	2374
Maximum Candela Angle	0H 70V
Maximum Candela At 90 Degrees Vertical	2295 (8.20% Lamp Lms)
Maximum Candela At 80 Degrees Vertical	2252 (8.04% Lamp Lms)
Downward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

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**CANDELA TABULATION**

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

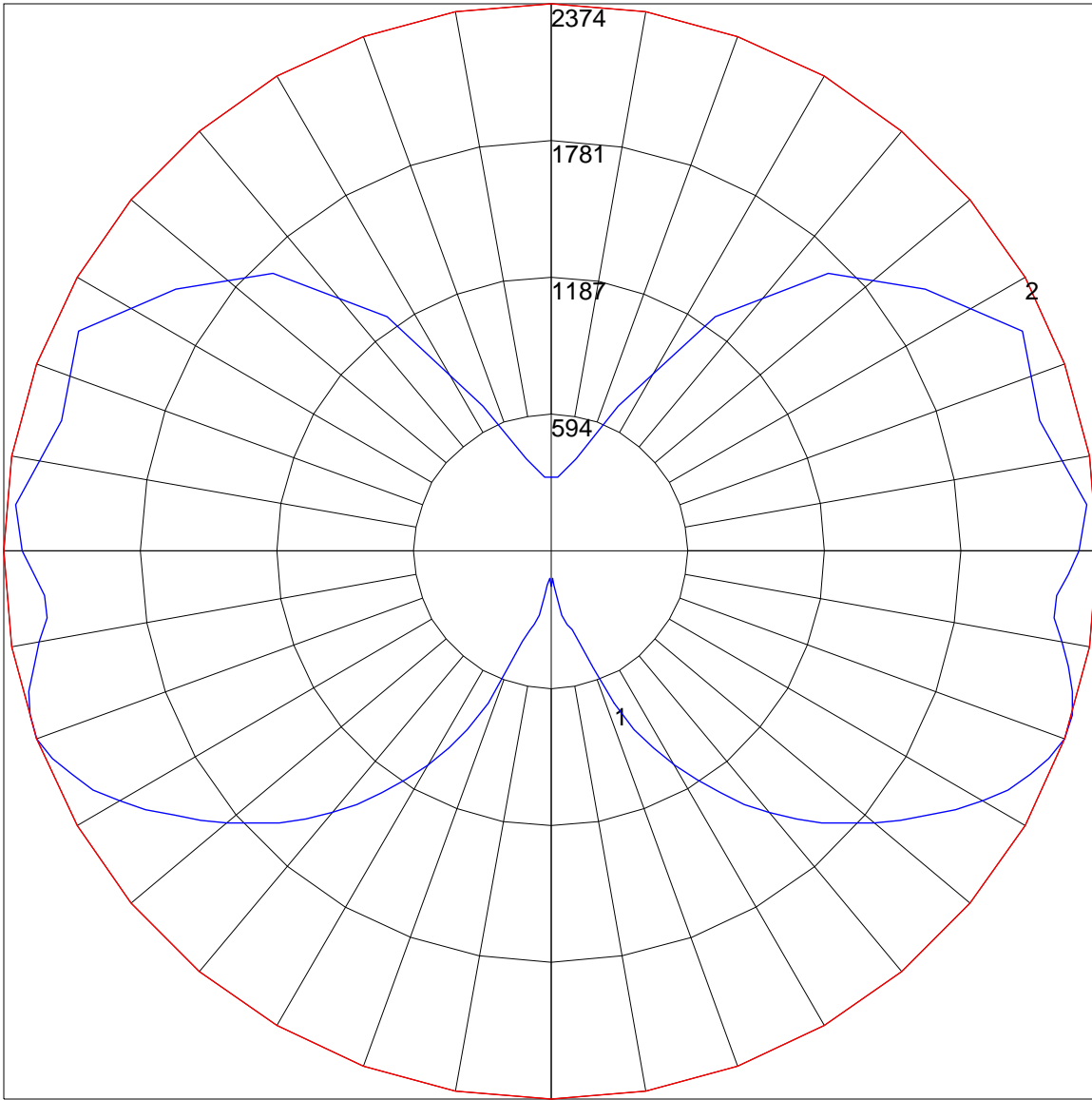
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

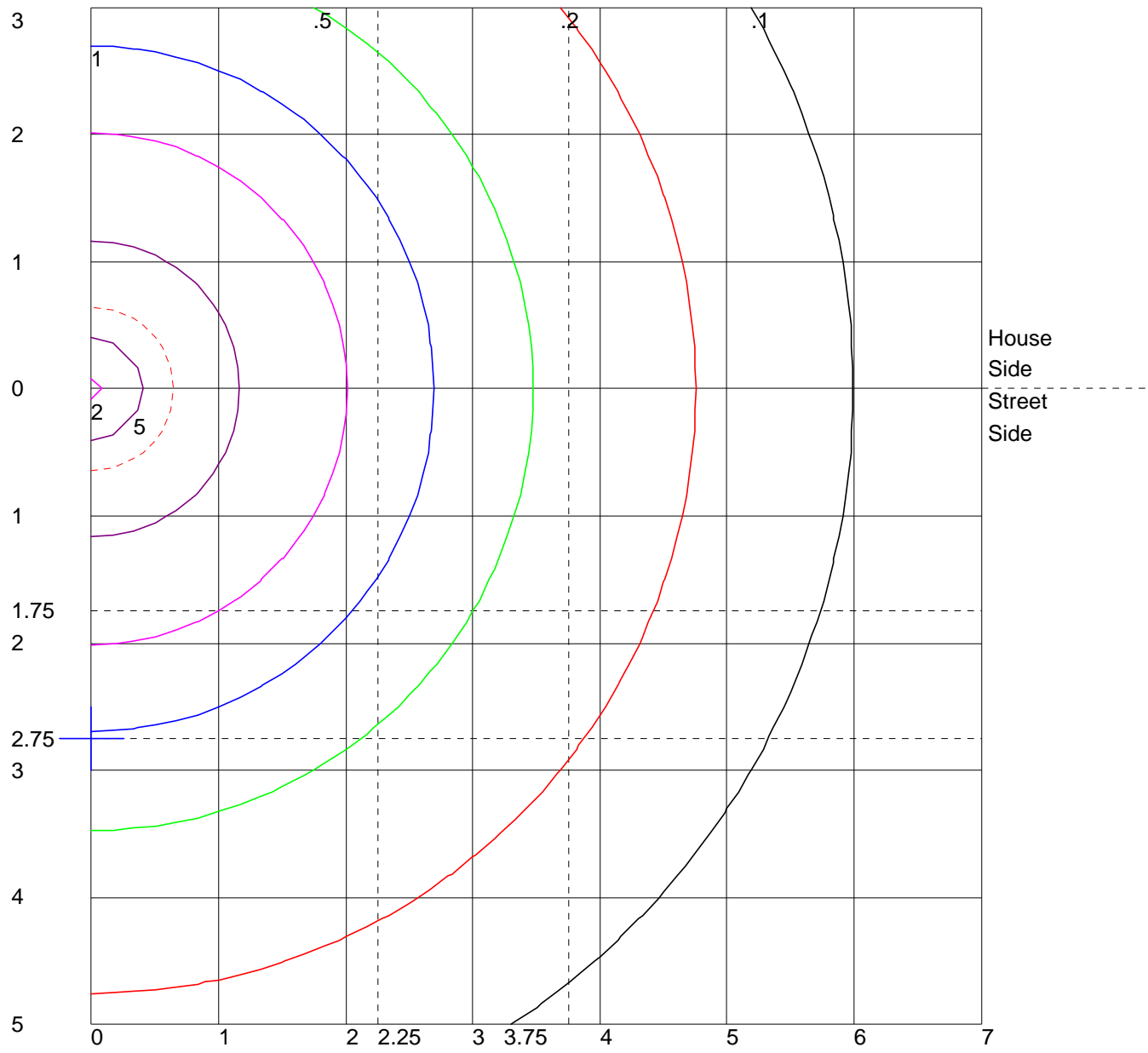
	Lumens	Percent Of Lamp
Downward Street Side	5792.7	20.7
Downward House Side	5792.7	20.7
Downward Total	11585.4	41.4
Upward Street Side	5709.3	20.4
Upward House Side	5709.3	20.4
Upward Total	11418.6	40.8
Total Flux	23004.0	82.2

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