



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : ITL48840.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-1995  
[DATE]03/18/99  
[TEST]ITL48840  
[MANUFAC]LEXALITE INTERNATIONAL CORPORATION  
[LUMCAT]LEXALITE MODEL 425 TYPE V  
[LUMINAIRE]CAST METAL POST-TOP FITTER AND SOCKET BASE, CLEAR MOLDED  
[MORE]ACRYLIC PRISMATIC REFRACTOR WITH FORMED SEMI-SPECULAR PERFORATED  
[MORE]METAL UPPER REFLECTOR, CLEAR MOLDED TEXTURED POLYCARBONATE  
[MORE]DECORATIVE ACORN TOP.  
[LAMP]ONE 175-WATT PHOSPHOR-COATED E-28 METAL HALIDE, VERTICAL BASE-DOWN  
[MORE]POSITION.

**CHARACTERISTICS**

IES Classification	Type V
Longitudinal Classification	Very Short
Cutoff Classification	Non-Cutoff
Total Rated Lamp Lumens	14000
Maximum Candela	2835
Maximum Candela Angle	0H 67.5V
Maximum Candela At 90 Degrees Vertical	812 (5.80% Lamp Lms)
Maximum Candela At 80 Degrees Vertical	1821 (13.01% Lamp Lms)
Downward Total Efficiency	68.6%

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**CANDELA TABULATION**

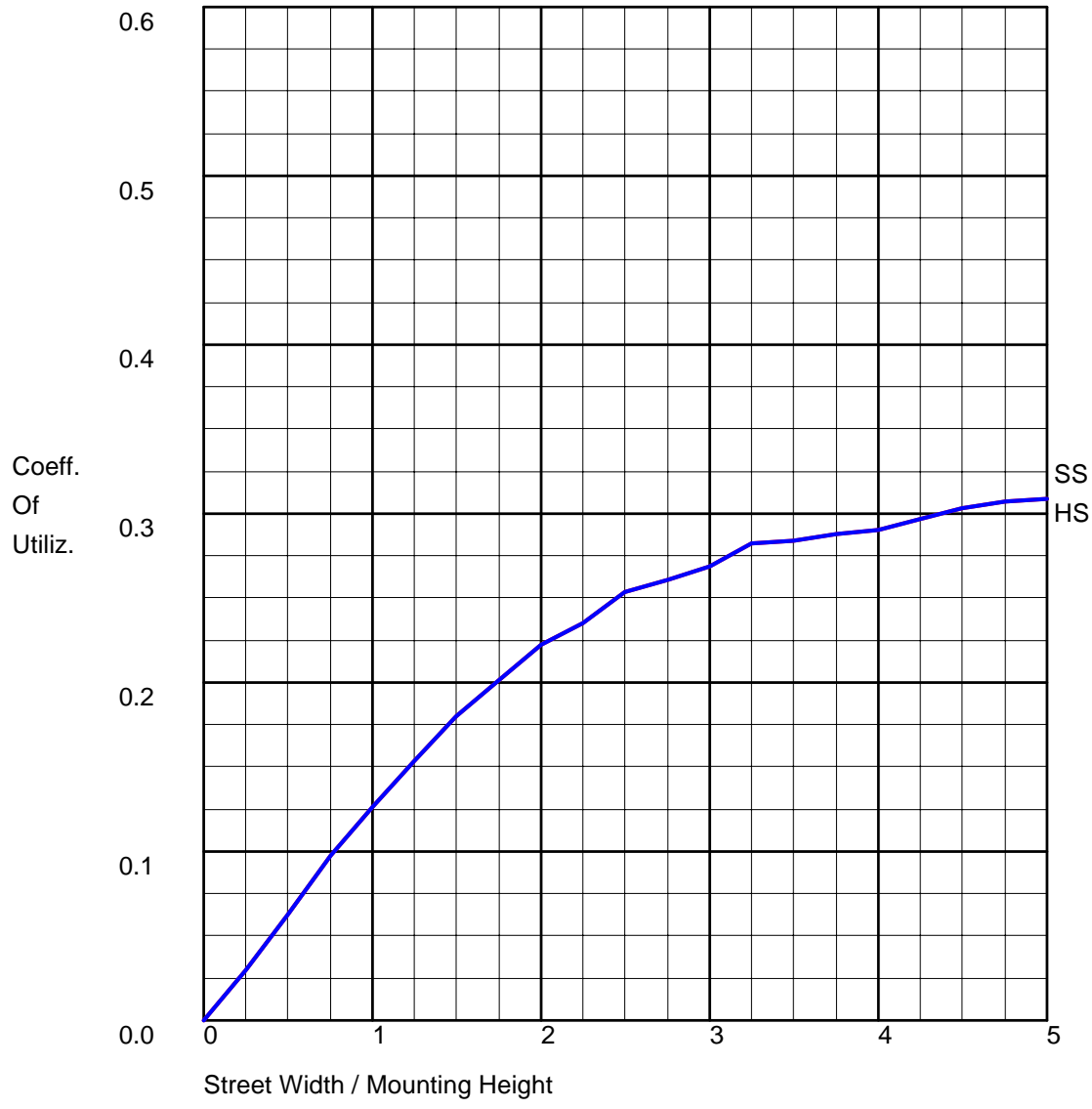
<b>Vert. Angles</b>	<b>Horizontal Angles</b>
	<b>0</b>
<b>0</b>	53
<b>2.5</b>	72
<b>5</b>	94
<b>7.5</b>	130
<b>10</b>	185
<b>12.5</b>	233
<b>15</b>	277
<b>17.5</b>	313
<b>20</b>	348
<b>22.5</b>	397
<b>25</b>	448
<b>27.5</b>	493
<b>30</b>	539
<b>32.5</b>	599
<b>35</b>	654
<b>37.5</b>	731
<b>40</b>	806
<b>42.5</b>	870
<b>45</b>	947
<b>47.5</b>	1073
<b>50</b>	1265
<b>52.5</b>	1489
<b>55</b>	1717
<b>57.5</b>	1974
<b>60</b>	2251
<b>62.5</b>	2541
<b>65</b>	2741
<b>67.5</b>	2835
<b>70</b>	2804
<b>72.5</b>	2651
<b>75</b>	2397
<b>77.5</b>	2106
<b>80</b>	1821
<b>82.5</b>	1554
<b>85</b>	1288
<b>87.5</b>	1034
<b>90</b>	812
<b>92.5</b>	613
<b>95</b>	479
<b>97.5</b>	390
<b>100</b>	344
<b>102.5</b>	329
<b>105</b>	328
<b>107.5</b>	334
<b>110</b>	344
<b>112.5</b>	351
<b>115</b>	354
<b>117.5</b>	353
<b>120</b>	347
<b>122.5</b>	335
<b>125</b>	320
<b>127.5</b>	307
<b>130</b>	292

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**CANDELA TABULATION - (Cont.)**

<b>132.5</b>	276
<b>135</b>	264
<b>137.5</b>	252
<b>140</b>	243
<b>142.5</b>	235
<b>145</b>	229
<b>147.5</b>	219
<b>150</b>	207
<b>152.5</b>	196
<b>155</b>	185
<b>157.5</b>	172
<b>160</b>	151
<b>162.5</b>	137
<b>165</b>	126
<b>167.5</b>	115
<b>170</b>	106
<b>172.5</b>	102
<b>175</b>	102
<b>177.5</b>	102
<b>180</b>	103

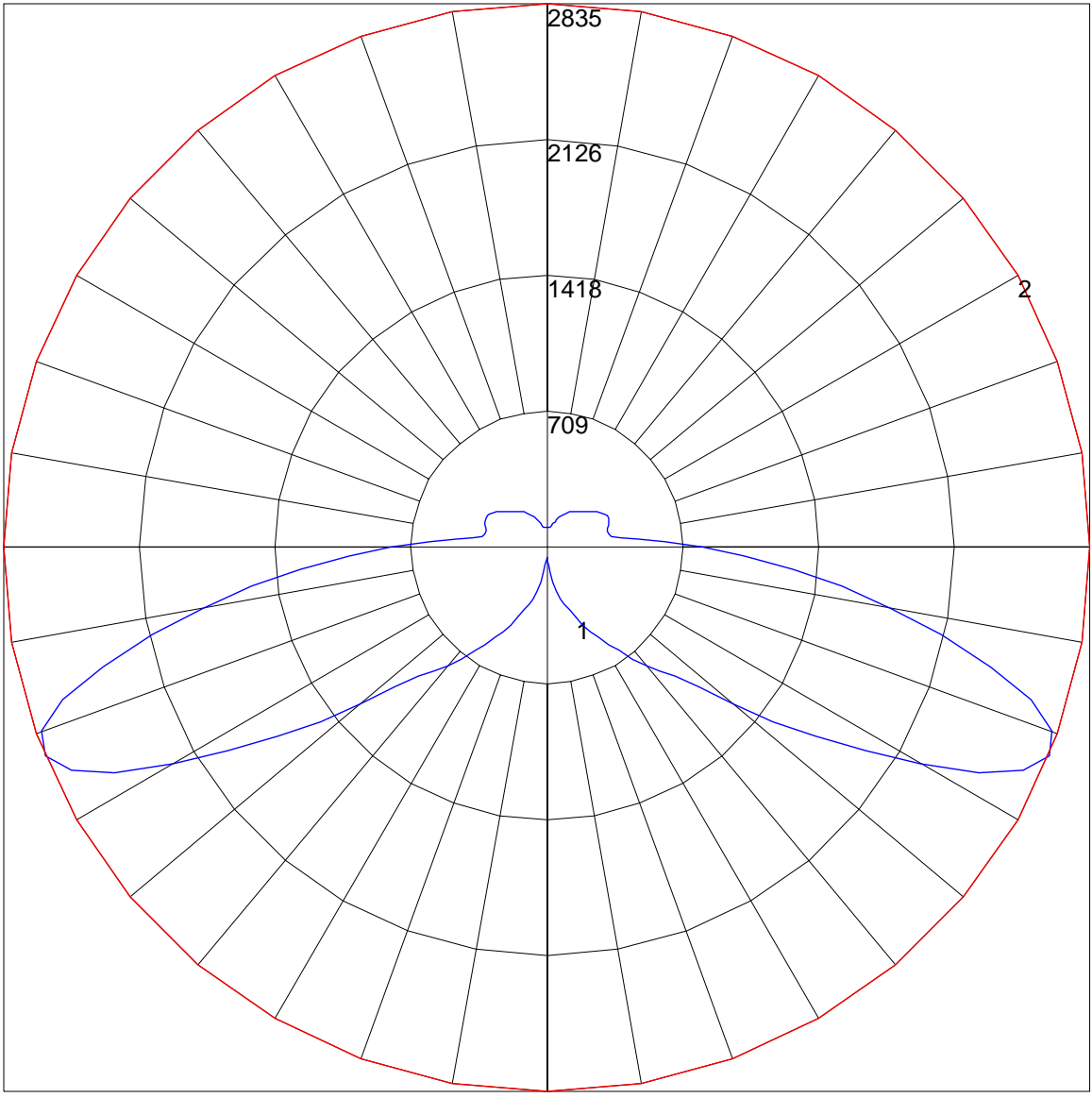
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

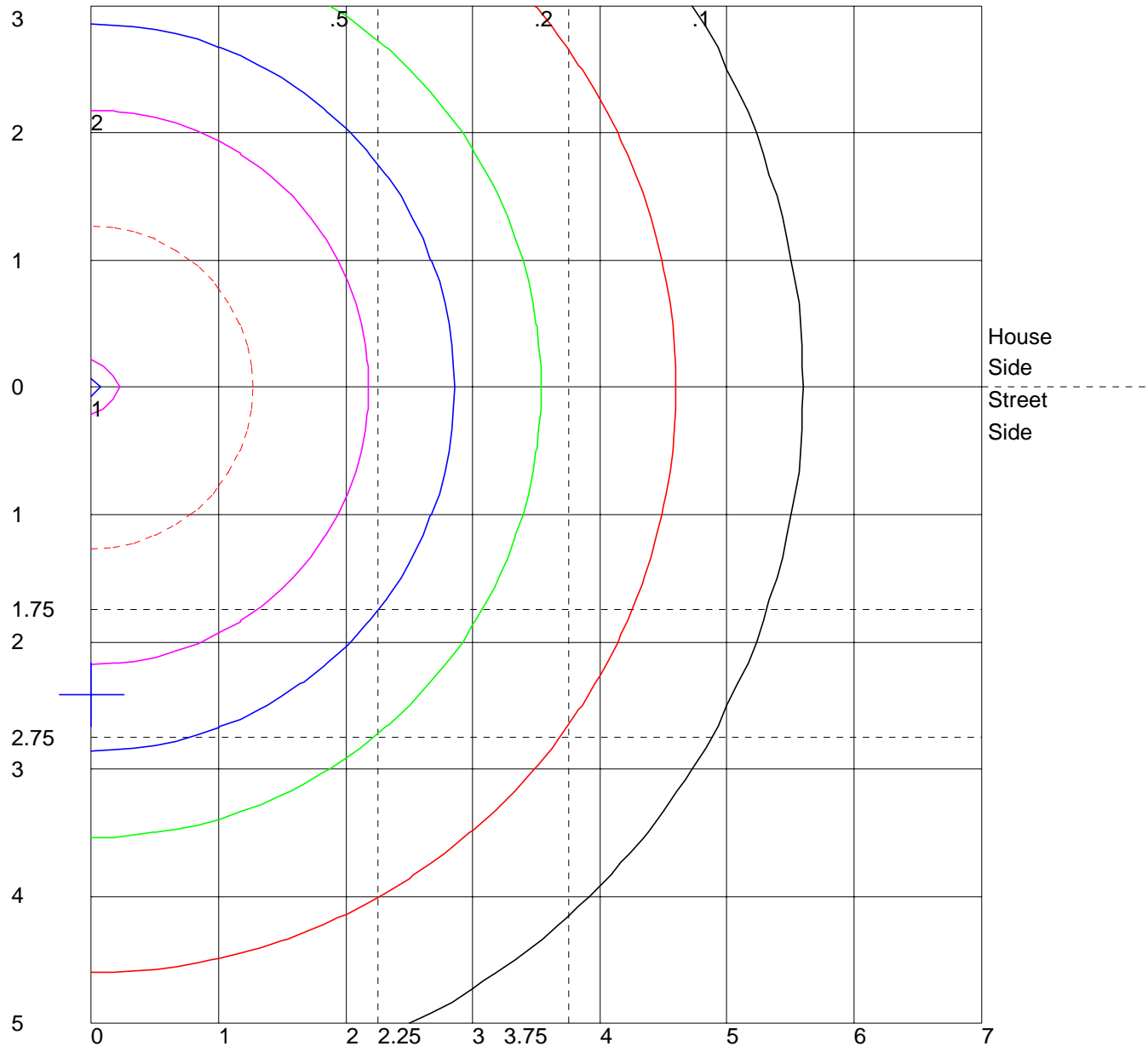
	Lumens	Percent Of Lamp
Downward Street Side	4804.7	34.3
Downward House Side	4804.7	34.3
Downward Total	9609.6	68.6
Upward Street Side	1016.1	7.3
Upward House Side	1016.1	7.3
Upward Total	2032.2	14.5
Total Flux	11641.8	83.2

POLAR GRAPH



Maximum Candela = 2835 Located At Horizontal Angle = 0, Vertical Angle = 67.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (67.5) (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