



## IES ROAD REPORT

PHOTOMETRIC FILENAME : ITL48623.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-1995

[DATE]01/20/99

[TEST]ITL48623

[MANUFAC]LEXALITE INTERNATIONAL CORPORATION

[LUMCAT]MODEL 424 TYPE V

[LUMINAIRE]CAST METAL POST-TOP FITTER AND SOCKET BASE, CLEAR MOLDED

[MORE]ACRYLIC PRISMATIC REFRACTOR WITH FORMED PERFORATED SEMI-

[MORE]SPECULAR METAL UPPER REFLECTOR, CLEAR MOLDED ACRYLIC

[MORE]LINEAR PRISMATIC DECORATIVE TOP.

[LAMP]ONE 150-WATT DIFFUSE ED-23.5 HIGH PRESSURE SODIUM, VERTICAL

[MORE]BASE-DOWN POSITION.

[\_ARCVOLTSRISE] 0.3

### CHARACTERISTICS

IES Classification

Longitudinal Classification

Cutoff Classification

Total Rated Lamp Lumens

Maximum Candela

Maximum Candela Angle

Maximum Candela At 90 Degrees Vertical

Maximum Candela At 80 Degrees Vertical

Downward Total Efficiency

Type V

Very Short

Semi-Cutoff

15000

3337

0H 70V

680 (4.53% Lamp Lms)

2108 (14.05% Lamp Lms)

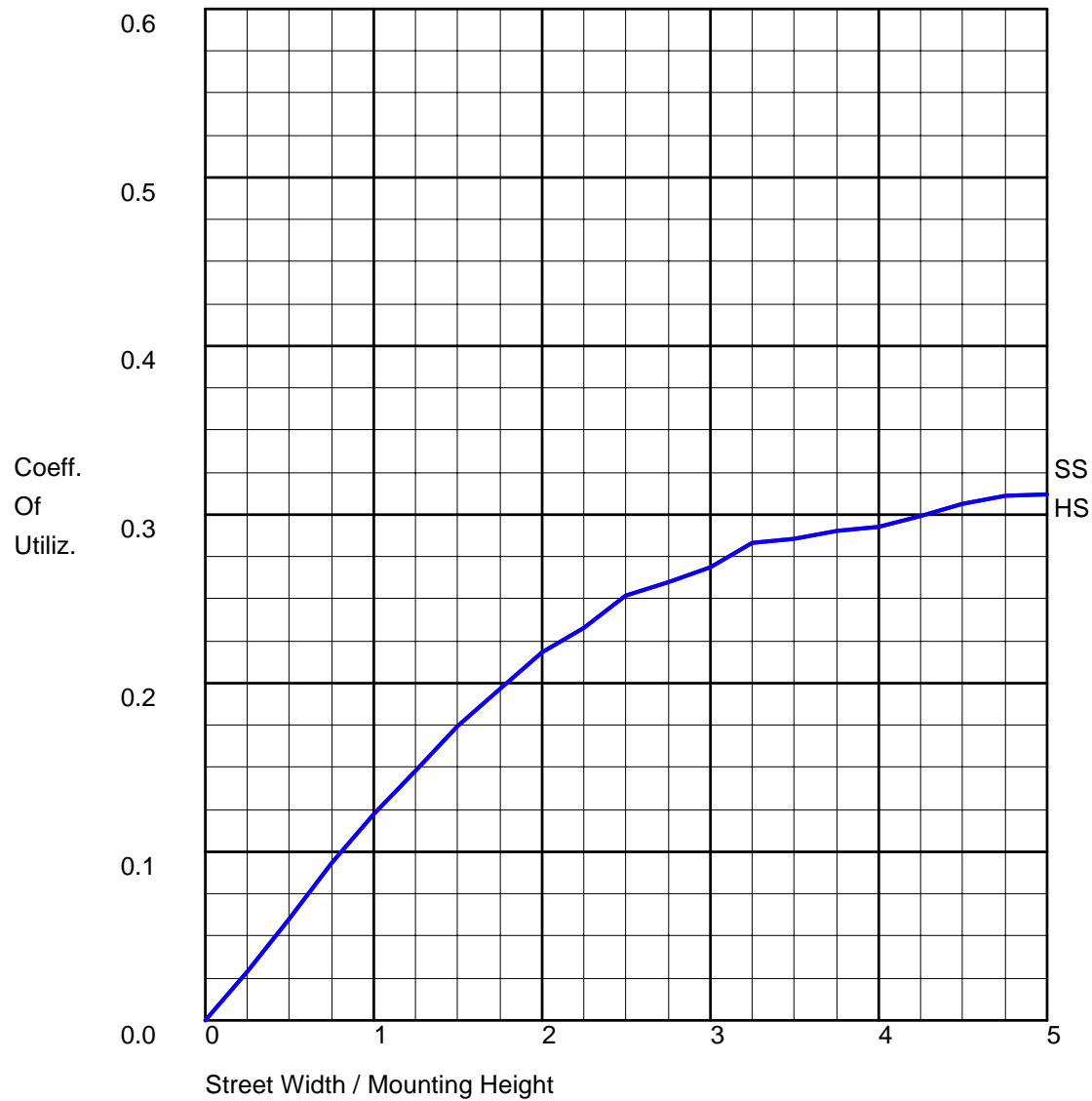
68.8%

**IES ROAD REPORT**  
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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>
	<b>0</b>
<b>0</b>	55
<b>2.5</b>	75
<b>5</b>	96
<b>7.5</b>	128
<b>10</b>	181
<b>12.5</b>	229
<b>15</b>	271
<b>17.5</b>	305
<b>20</b>	341
<b>22.5</b>	385
<b>25</b>	440
<b>27.5</b>	484
<b>30</b>	531
<b>32.5</b>	573
<b>35</b>	620
<b>37.5</b>	700
<b>40</b>	793
<b>42.5</b>	863
<b>45</b>	921
<b>47.5</b>	1020
<b>50</b>	1197
<b>52.5</b>	1412
<b>55</b>	1643
<b>57.5</b>	1932
<b>60</b>	2315
<b>62.5</b>	2686
<b>65</b>	3018
<b>67.5</b>	3263
<b>70</b>	3337
<b>72.5</b>	3198
<b>75</b>	2905
<b>77.5</b>	2515
<b>80</b>	2108
<b>82.5</b>	1677
<b>85</b>	1274
<b>87.5</b>	917
<b>90</b>	680
<b>95</b>	391
<b>105</b>	345
<b>115</b>	343
<b>125</b>	285
<b>135</b>	232
<b>145</b>	225
<b>155</b>	191
<b>165</b>	154
<b>175</b>	143
<b>180</b>	146

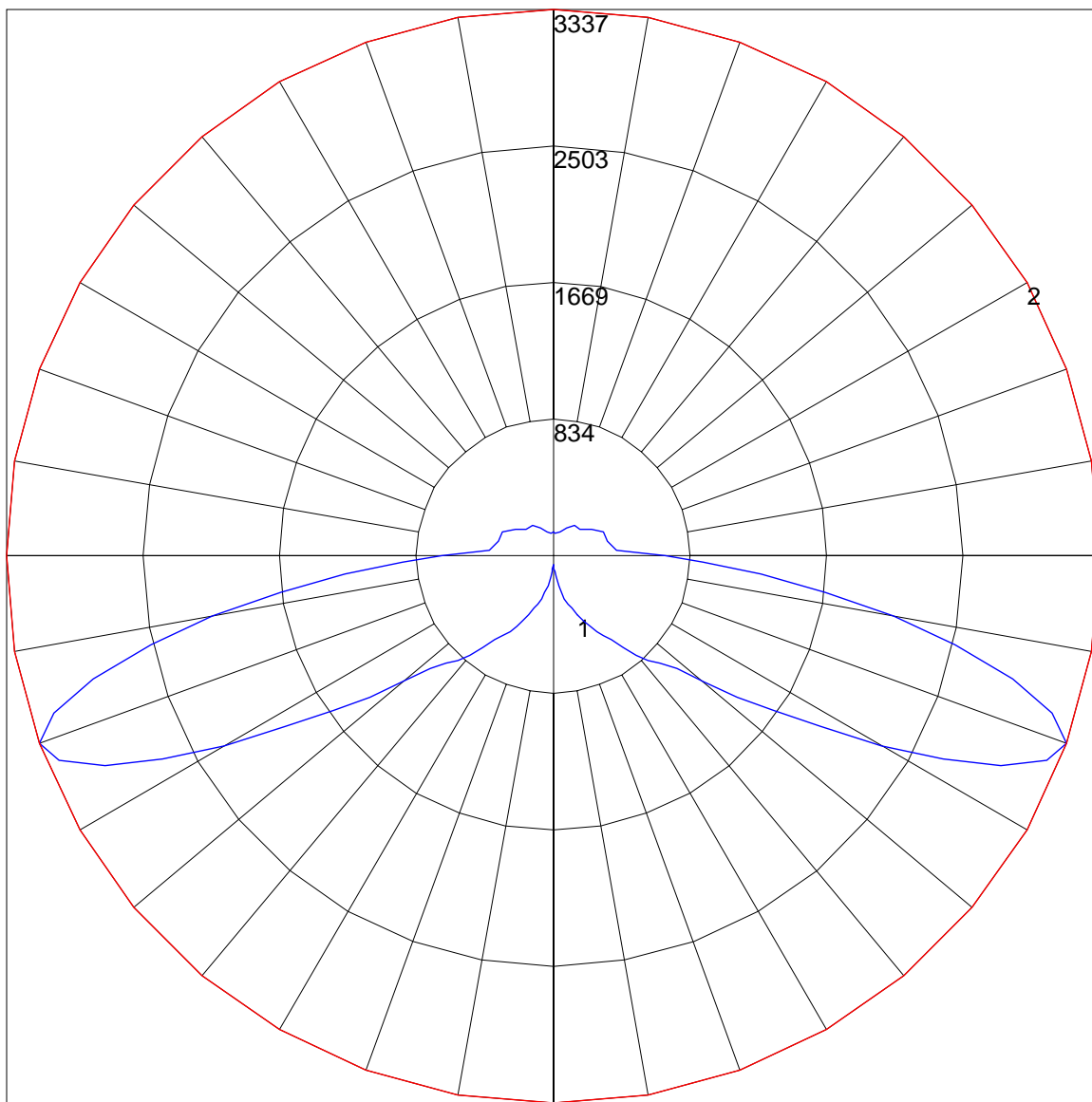
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

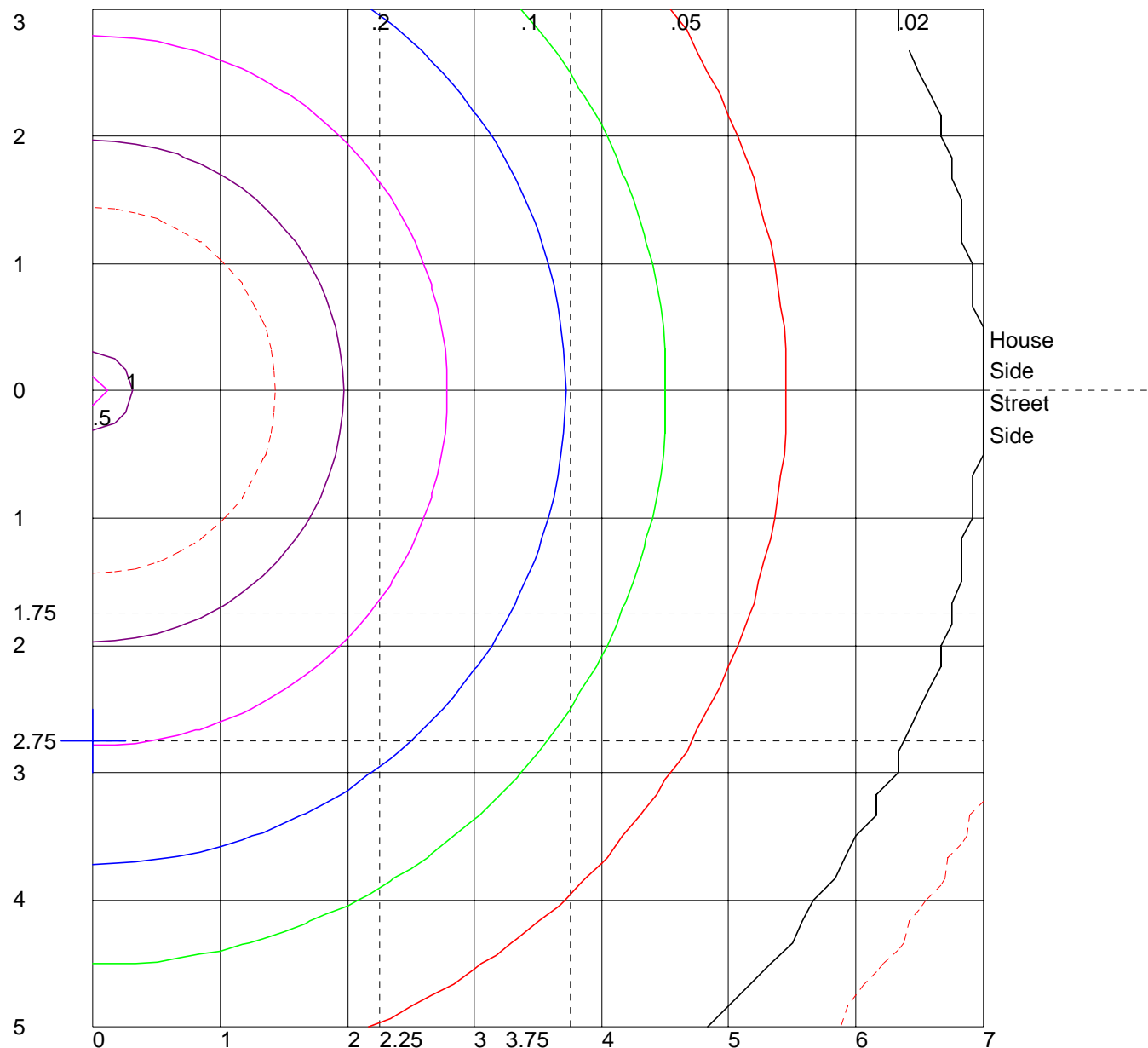
	Lumens	Percent Of Lamp
Downward Street Side	5160.3	34.4
Downward House Side	5160.3	34.4
Downward Total	10320.6	68.8
Upward Street Side	965.0	6.4
Upward House Side	965.0	6.4
Upward Total	1930.0	12.9
Total Flux	12250.6	81.7

POLAR GRAPH



Maximum Candela = 3337 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 16 Foot Mounting Height  
 1/2 Maximum Candela Trace Shown As Dashed Curve  
 (+) = Maximum Candela Point