

IES ROAD REPORT

PHOTOMETRIC FILENAME : H-15116 100W MH.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] 20092
[MANUFAC]HI-LITE MANUFACTURING - WAREHOUSE
[LUMCAT]H-151-16
[LUMINAIRE]WITH WHITE INTERIOR AND CLEAR RIBBED GLASS JAR LENS
[LAMP]ONE VENTURE 100 WATT MH LAMP
[LAMPCAT]MH100W/U. LUMEN RATING = 9000 LMS.
[OTHER]LAMP OPERATING AT 100 WATTS

CHARACTERISTICS

IES Classification	Type V
Longitudinal Classification	Short
Cutoff Classification	Semi-Cutoff
Total Rated Lamp Lumens	9000
Maximum Candela	1521
Maximum Candela Angle	0H 45V
Maximum Candela At 90 Degrees Vertical	99.4 (1.10% Lamp Lms)
Maximum Candela At 80 Degrees Vertical	1030.4 (11.45% Lamp Lms)
Downward Total Efficiency	83.3%

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CANDELA TABULATION

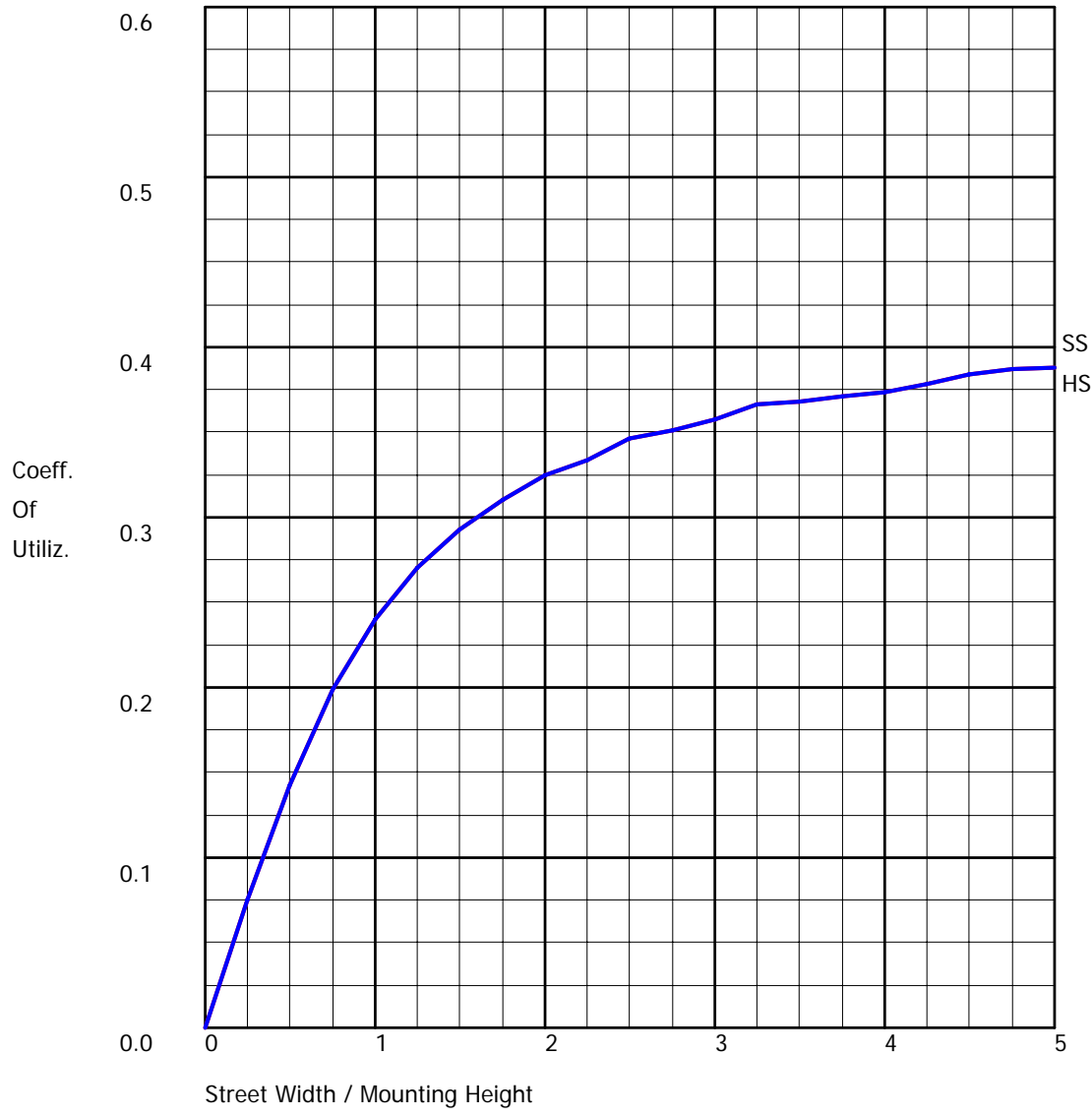
Vert. Angles	Horizontal Angles
	<u>0</u>
0	1368.3
2.5	1419.2
5	1468.5
7.5	1483.6
10	1511.4
12.5	1519.4
15	1475.5
17.5	1448.4
20	1457.5
22.5	1461
25	1447.5
27.5	1423.9
30	1404.1
32.5	1379.4
35	1390.7
37.5	1384.7
40	1452.6
42.5	1518.9
45	1521
47.5	1485.8
50	1401.3
52.5	1320.4
55	1262.4
57.5	1222.3
60	1195.1
62.5	1175.9
65	1157.6
67.5	1147.6
70	1137.7
72.5	1119.3
75	1094.4
77.5	1066.6
80	1030.4
82.5	980.2
85	877.9
87.5	481
90	99.4
92.5	21.9
95	12.2
97.5	9.5
100	7.8
102.5	6.1
105	2.8
107.5	0.7
110	0
112.5	0
115	0.1
117.5	0
120	0.1
122.5	0.1
125	0
127.5	0.1
130	0.1

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CANDELA TABULATION - (Cont.)

132.5	0
135	0.1
137.5	0
140	0.1
142.5	0
145	0
147.5	0
150	0
152.5	0
155	0
157.5	0
160	0
162.5	0
165	0
167.5	0
170	0.1
172.5	0
175	0.1
177.5	0
180	0

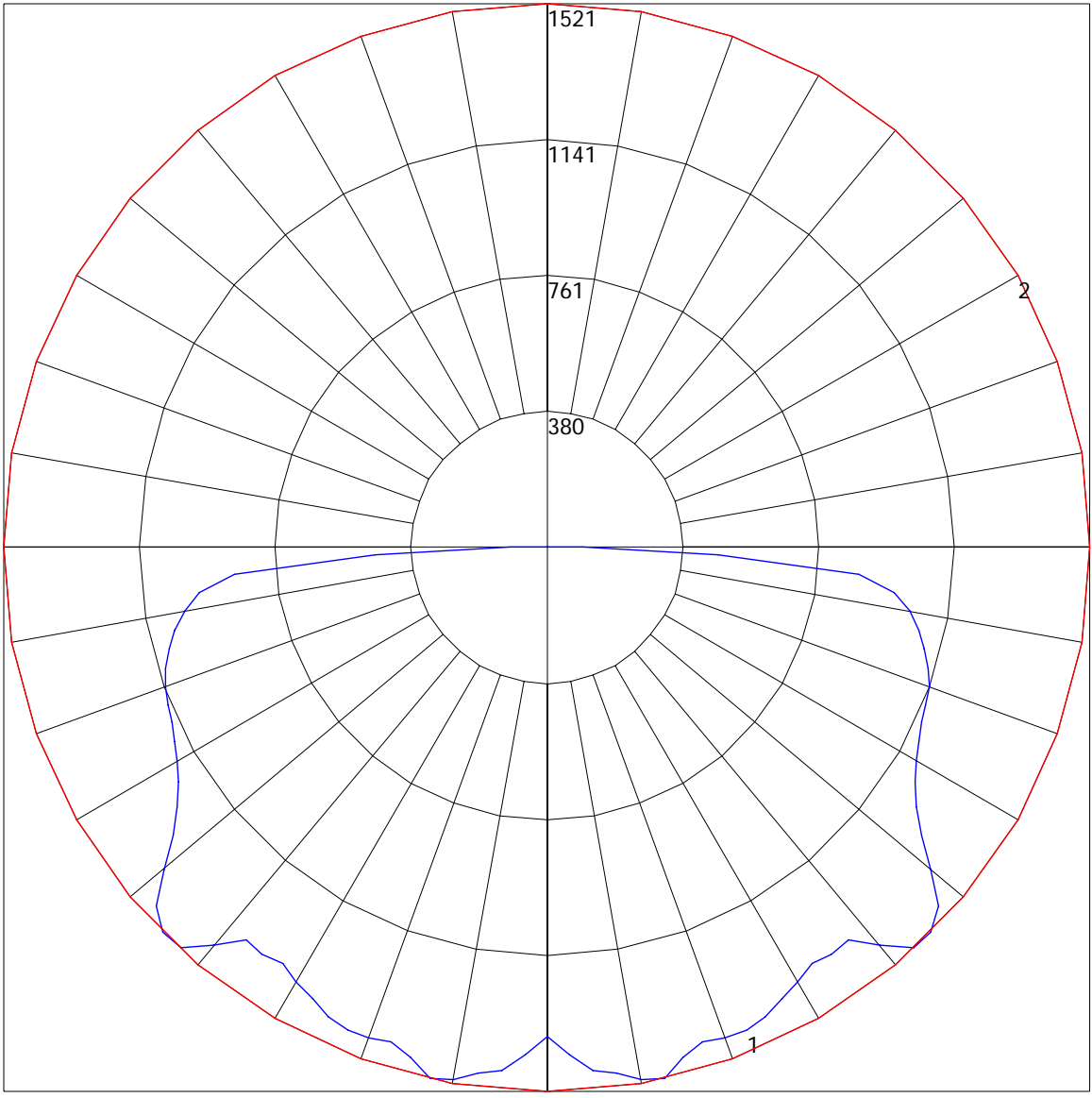
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Lamp
Downward Street Side	3747.7	41.6
Downward House Side	3747.7	41.6
Downward Total	7495.4	83.3
Upward Street Side	15.2	0.2
Upward House Side	15.2	0.2
Upward Total	30.4	0.3
Total Flux	7525.8	83.6

POLAR GRAPH



Maximum Candela = 1521 Located At Horizontal Angle = 0, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

