

Scaled data based on original data using  
LM-31-95 IESNA Approved Method for Photometric Testing of Roadway Luminaires  
Using Incandescent Filament and High Intensity Discharge Lamps

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: SHAPER

Report Number: 19082

Luminaire Tested: **994-PT-MH1/70**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-31-95  
Report Number: 19082  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SHAPER  
Catalog Number: 994-PT-MH1/70  
Description: POST TOP LUMINAIRE WITH SPECULAR FACETED REFLECTOR AND CLEAR FLAT GLASS LENS  
Light Source: ONE SYLVANIA 70 WATT CMH LAMP

MC70T6/U/G12/830. LUMEN RATING = 6700 LMS.

Ballast/Driver: -

**Summary**

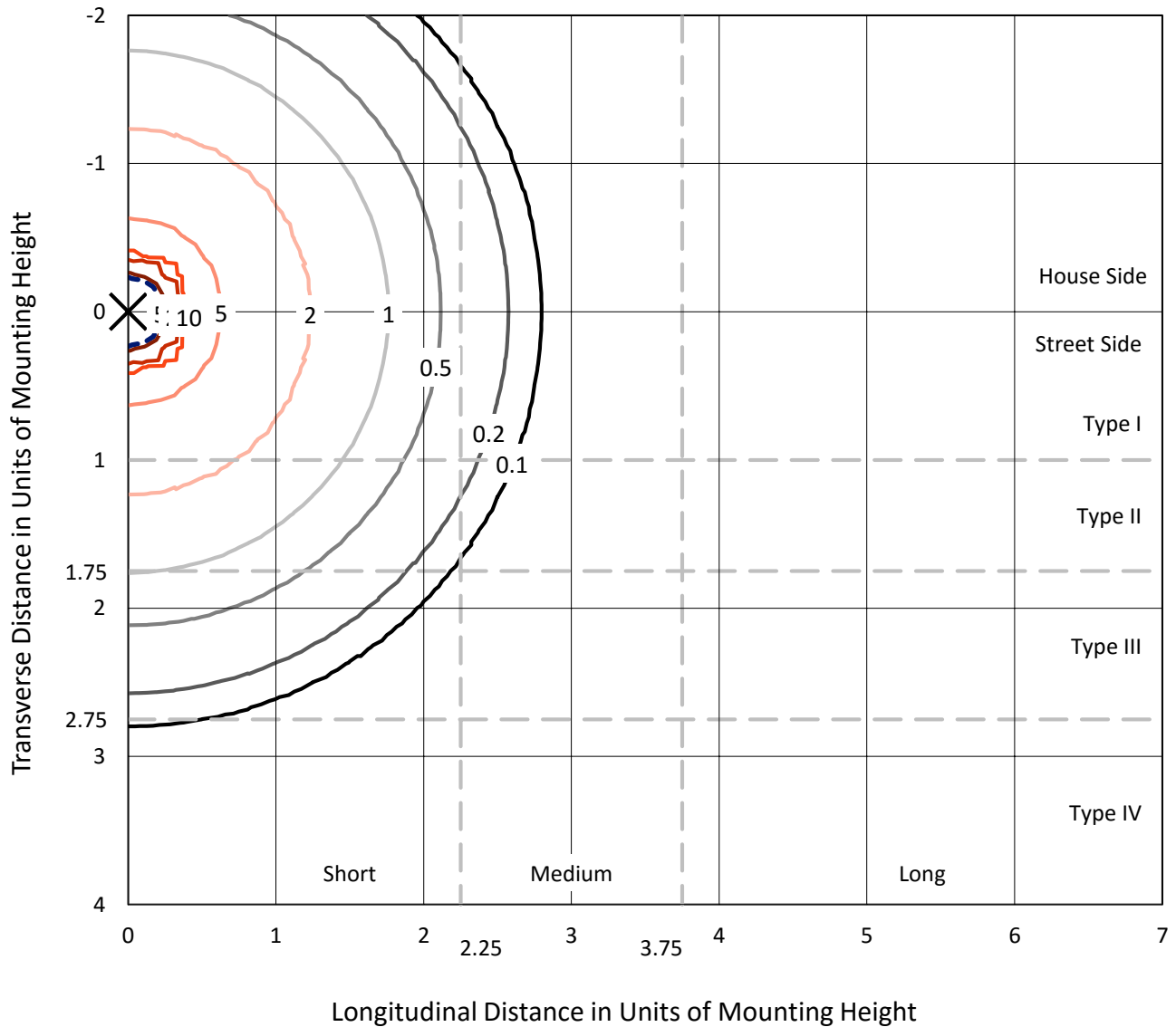
Lumens per Lamp: 6700 (1 lamp)  
Luminaire Lumens: 4470.5 lumens  
Efficiency: 66.7%  
Efficacy: -  
Luminous Opening: (L: 0 ' x W: -1.33 ' x H: 0 '  
IES Classification: Type V - Short - Cutoff  
BUG Rating: B3 - U0 - G0

Input Watts (W): 0  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Iso-Footcandle Lines of Horizontal Illumination

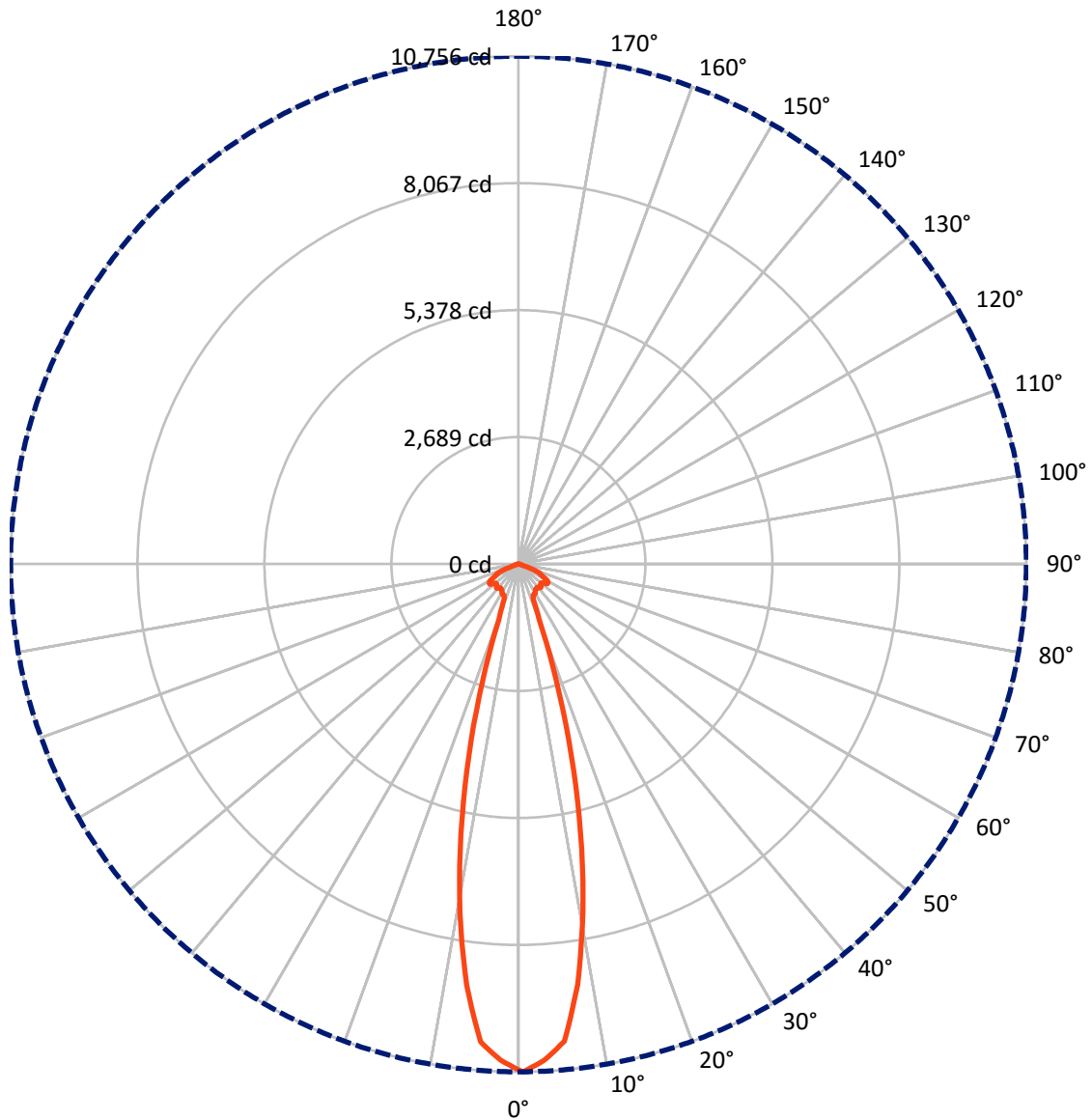
✕ Max cd  
 - - - 1/2 Max cd



Based on 9 foot mounting height. Maximum calculated value = 132.8 fc  
 Type V - Short - Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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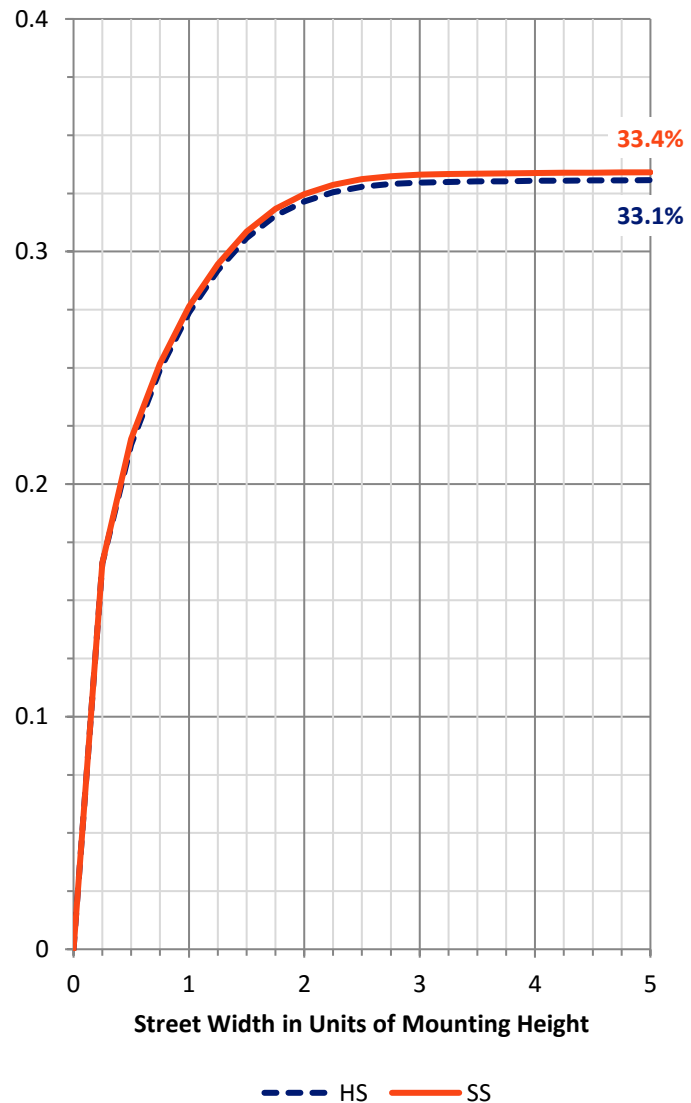
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2235.2	0.0	2235.2
	% Lamp	33.4	0.0	33.4
<b>Street Side</b>	Lumens	2235.2	0.0	2235.2
	% Lamp	33.4	0.0	33.4
<b>Total</b>	Lumens	4470.5	0.0	4470.5
	% Lamp	66.7	0.0	66.7

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	878.7	19.7	13.1
10°-20°	1111.8	24.9	16.6
20°-30°	368.7	8.2	5.5
30°-40°	411.2	9.2	6.1
40°-50°	508.6	11.4	7.6
50°-60°	630.8	14.1	9.4
60°-70°	492.6	11.0	7.4
70°-80°	63.6	1.4	0.9
80°-90°	4.5	0.1	0.1
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	4470.5	100.0	66.7
0°-180°	4470.5	100.0	66.7

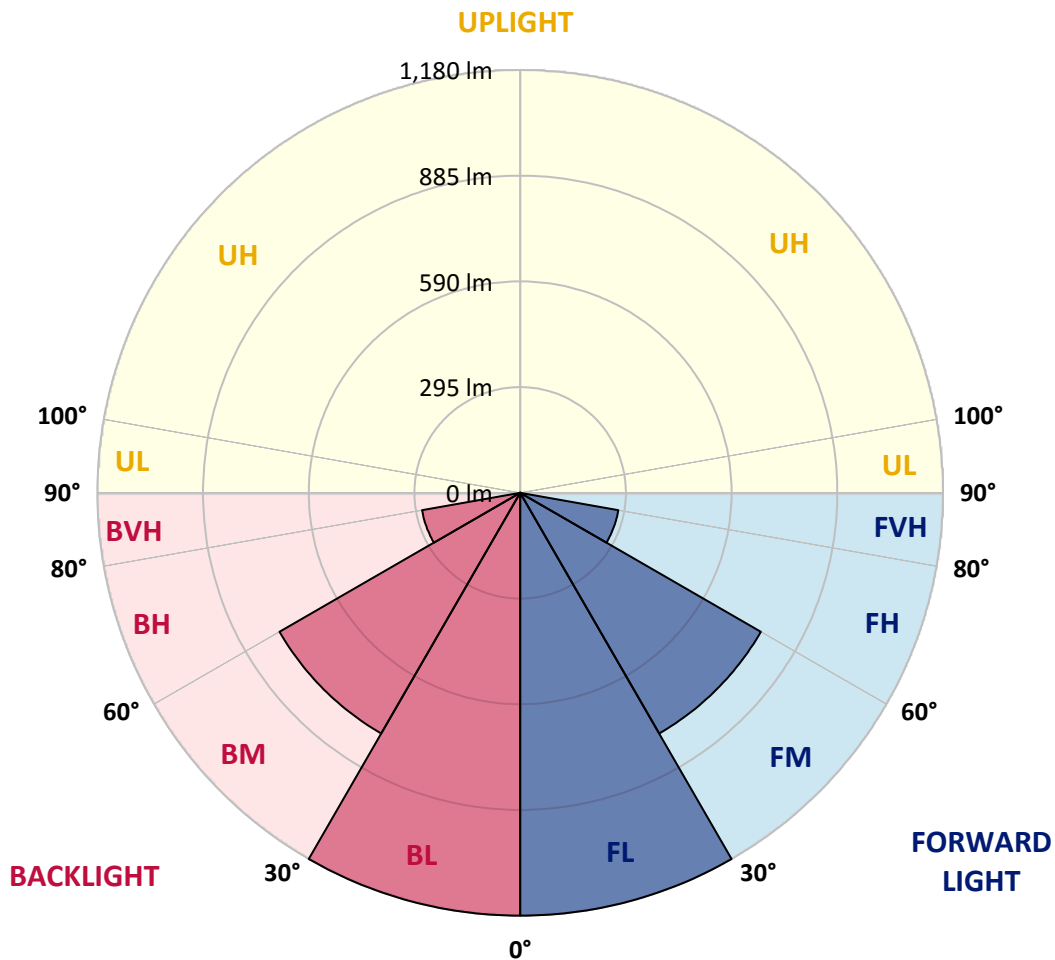


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1179.6	17.6			
FM (30°-60°)	775.3	11.6			
FH (60°-80°)	278.1	4.2			G0/660
FVH (80°-90°)	2.2	0.0			G0/10
BL (0°-30°)	1179.6	17.6	B3/2500		
BM (30°-60°)	775.3	11.6	B1/1000		
BH (60°-80°)	278.1	4.2	B1/500		G0/660
BVH (80°-90°)	2.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	2229.5	33.3			

**BUG Rating: B3-U0-G0**  
 Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10755.6
2.5°	10523.0
5°	10154.9
7.5°	8996.1
10°	7497.9
12.5°	5849.6
15°	4195.0
17.5°	2570.7
20°	1245.6
22.5°	799.3
25°	729.2
27.5°	727.1
30°	705.7
32.5°	662.1
35°	648.4
37.5°	632.1
40°	654.6
42.5°	690.6
45°	667.6
47.5°	631.8
50°	626.4
52.5°	672.2
55°	741.4
57.5°	735.9
60°	692.1
62.5°	576.4
65°	510.7
67.5°	445.3
70°	232.2
72.5°	68.1
75°	31.1
77.5°	21.6
80°	12.4
82.5°	5.7
85°	3.8
87.5°	0.5
90°	0.5

(END OF REPORT)