

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: 19083

Luminaire Tested: **906-PT-MH2/70**

Issue Date: 3/3/2020

Test Information

Test Method: LM-31-95
Report Number: 19083
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 906-PT-MH2/70
Description: WITH WHITE TOP REFLECTOR AND FLAT FROSTED PLASTIC LENS

Light Source: TWO VENTURE 70 WATT MH LAMPS

MH70W/U. LUMEN RATING = 10000 LMS.

Ballast/Driver: -

Summary

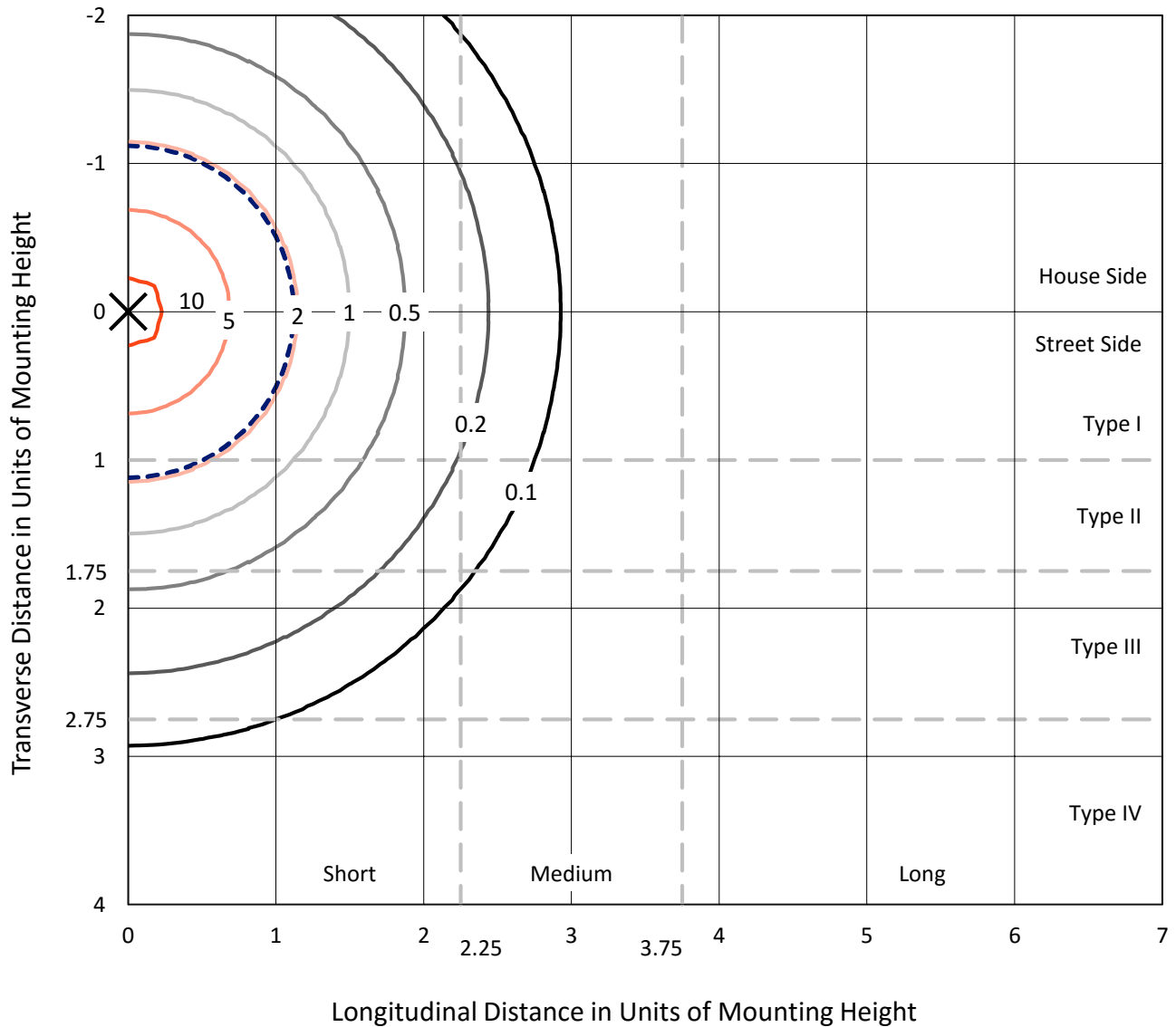
Lumens per Lamp: 10000 (1 lamp)
Luminaire Lumens: 2621.4 lumens
Efficiency: 26.2%
Efficacy: -
Luminous Opening: (L: 0 ' x W: -1.88 ' x H: 0 '
IES Classification: Type V - Short - Cutoff
BUG Rating: B1 - U0 - G1

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

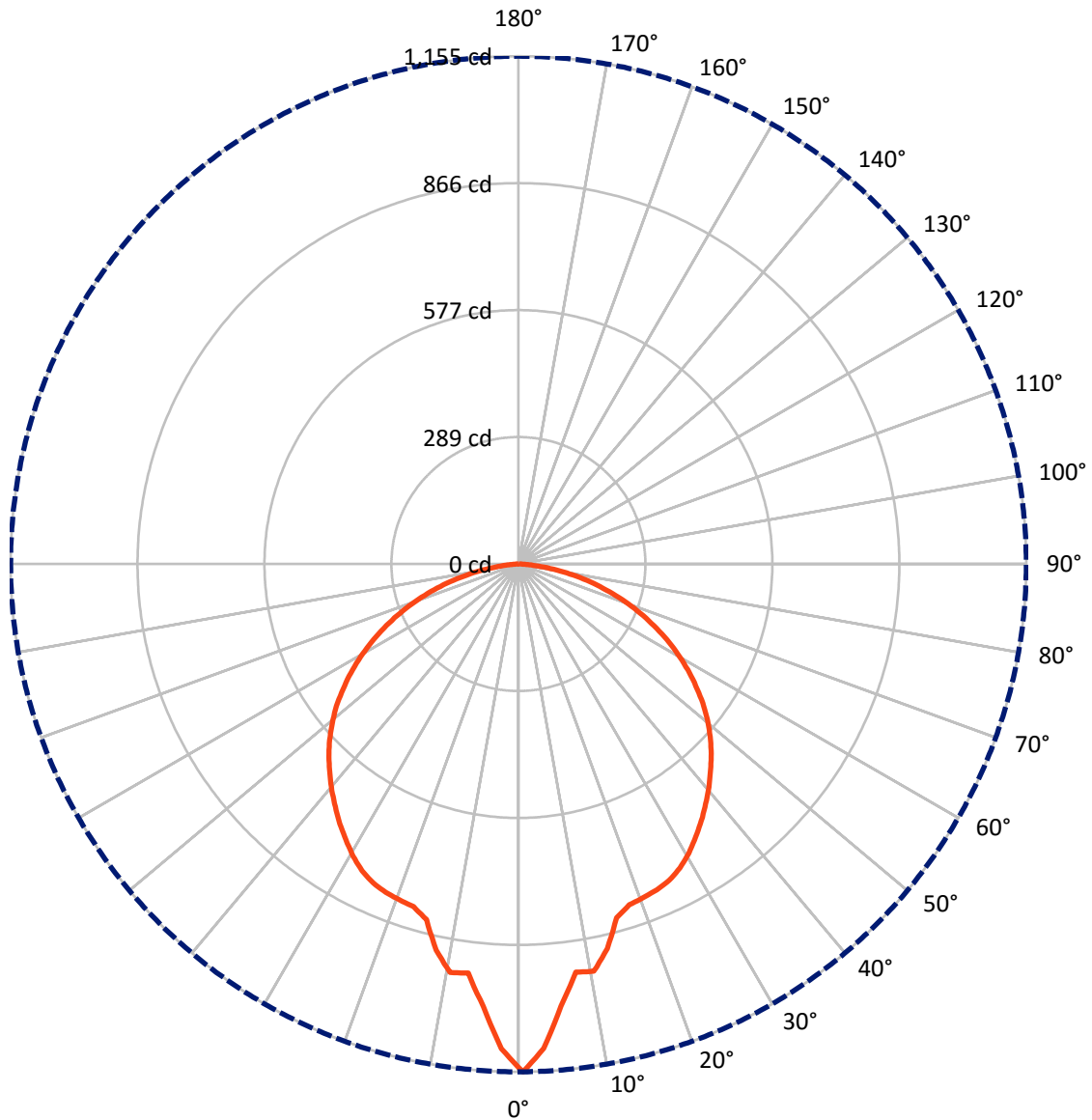
✕ Max cd
 - - - 1/2 Max cd



Based on 9 foot mounting height. Maximum calculated value = 14.3 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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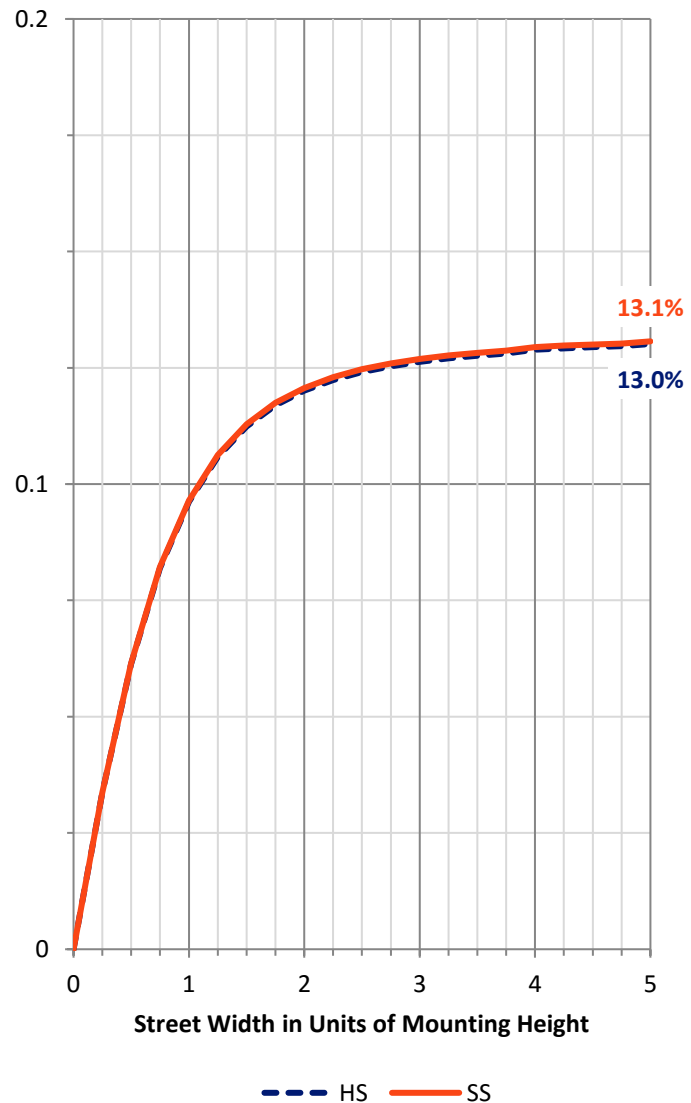
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1310.7	0.0	1310.7
	% Lamp	13.1	0.0	13.1
Street Side	Lumens	1310.7	0.0	1310.7
	% Lamp	13.1	0.0	13.1
Total	Lumens	2621.4	0.0	2621.4
	% Lamp	26.2	0.0	26.2

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	93.9	3.6	0.9
10°-20°	240.5	9.2	2.4
20°-30°	366.3	14.0	3.7
30°-40°	448.5	17.1	4.5
40°-50°	474.0	18.1	4.7
50°-60°	437.4	16.7	4.4
60°-70°	335.1	12.8	3.4
70°-80°	186.0	7.1	1.9
80°-90°	39.7	1.5	0.4
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°	2621.4	100.0	26.2
0°-180°	2621.4	100.0	26.2

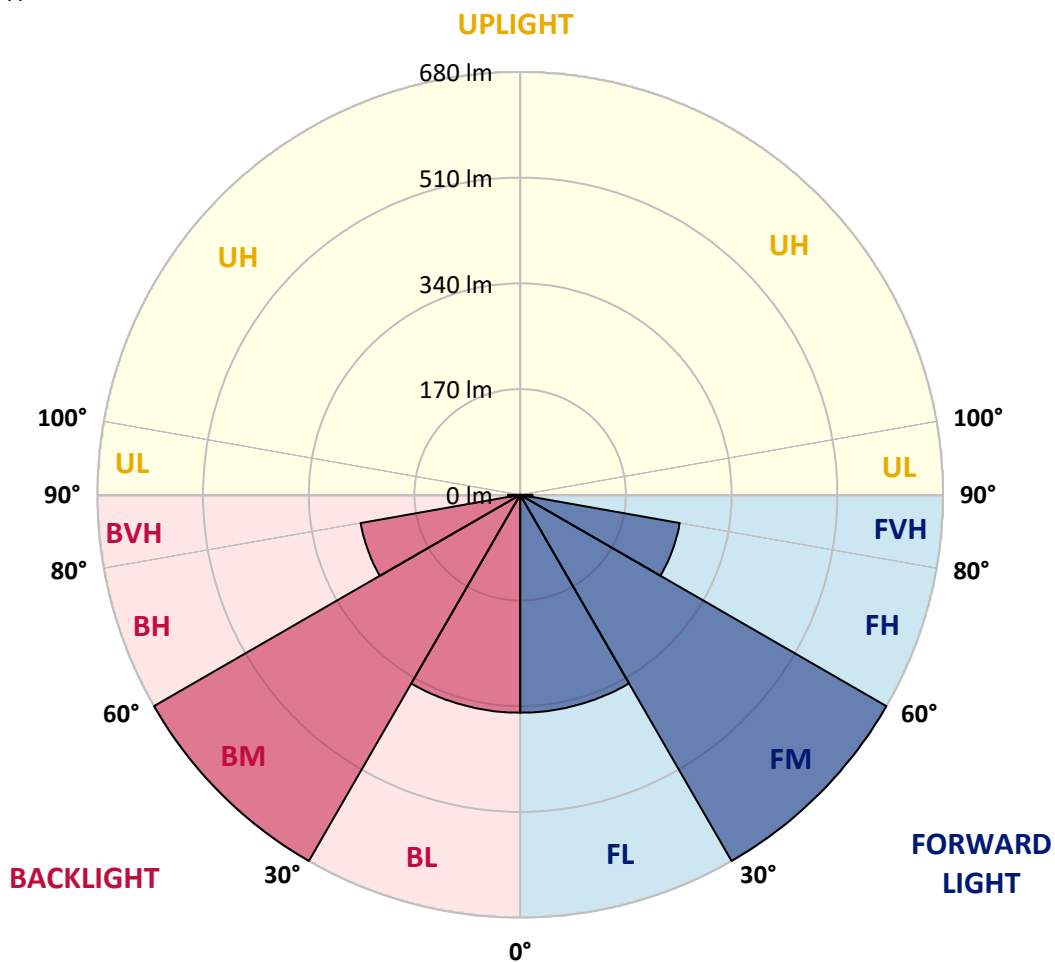


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	350.4	3.5			
FM	(30°-60°)	679.9	6.8			
FH	(60°-80°)	260.5	2.6			G0/660
FVH	(80°-90°)	19.8	0.2			G1/100
BL	(0°-30°)	350.4	3.5	B1/500		
BM	(30°-60°)	679.9	6.8	B1/1000		
BH	(60°-80°)	260.5	2.6	B1/500		G0/660
BVH	(80°-90°)	19.8	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		7378.6	73.8			

BUG Rating: B1-U0-G1
 Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1154.8
2.5°	1102.9
5°	1009.8
7.5°	937.0
10°	941.7
12.5°	897.8
15°	834.8
17.5°	814.9
20°	810.1
22.5°	805.0
25°	796.9
27.5°	782.6
30°	763.4
32.5°	739.8
35°	716.6
37.5°	691.6
40°	666.8
42.5°	640.6
45°	614.8
47.5°	586.9
50°	556.7
52.5°	525.0
55°	489.6
57.5°	454.4
60°	416.7
62.5°	379.1
65°	338.8
67.5°	299.0
70°	258.3
72.5°	216.4
75°	176.6
77.5°	135.4
80°	96.1
82.5°	57.8
85°	28.5
87.5°	11.4
90°	0.5

(END OF REPORT)