

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: 768838\_350MP

Luminaire Tested: **GSM-AM-350-MP-MT-AR-FG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: 768838\_350MP  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GSM-AM-350-MP-MT-AR-FG  
Description: MEDIUM ARCHITECTURAL AREA LUMINAIRE-VERTICAL LAMP-ROUND DISTRIBUTION  
Light Source: 350 WATT PULSE-START CLEAR ED-28 VBU BURN  
Ballast/Driver: -

**Summary**

Lumens per Lamp: 37000 (1 lamp)  
Luminaire Lumens: 25462 lumens  
Efficiency: 68.8%  
Efficacy: 64.1 lumens/watt  
Luminous Opening: Point Source (0' x 0' x 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B5 - U0 - G3

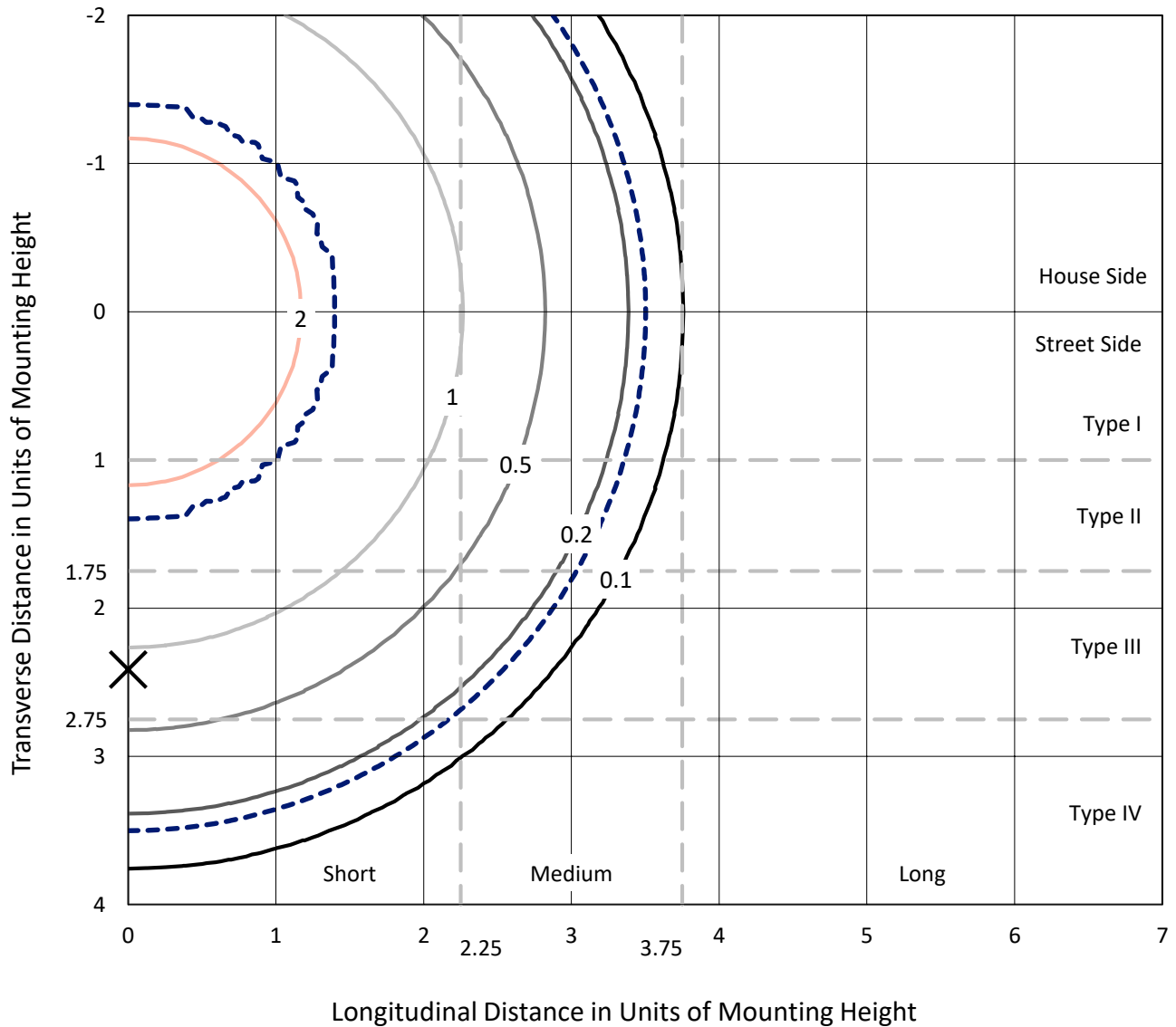
Input Watts (W): 397  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

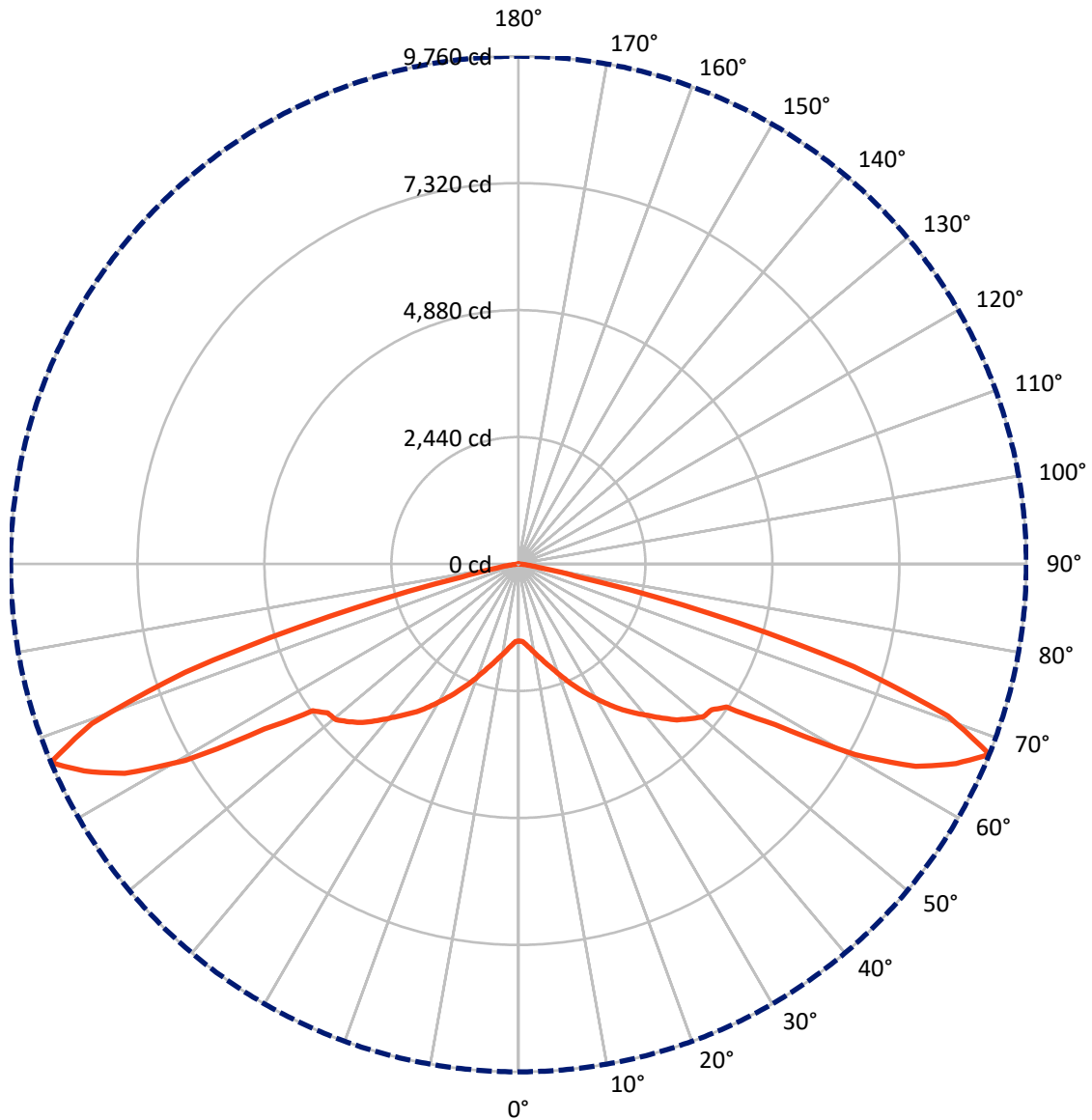
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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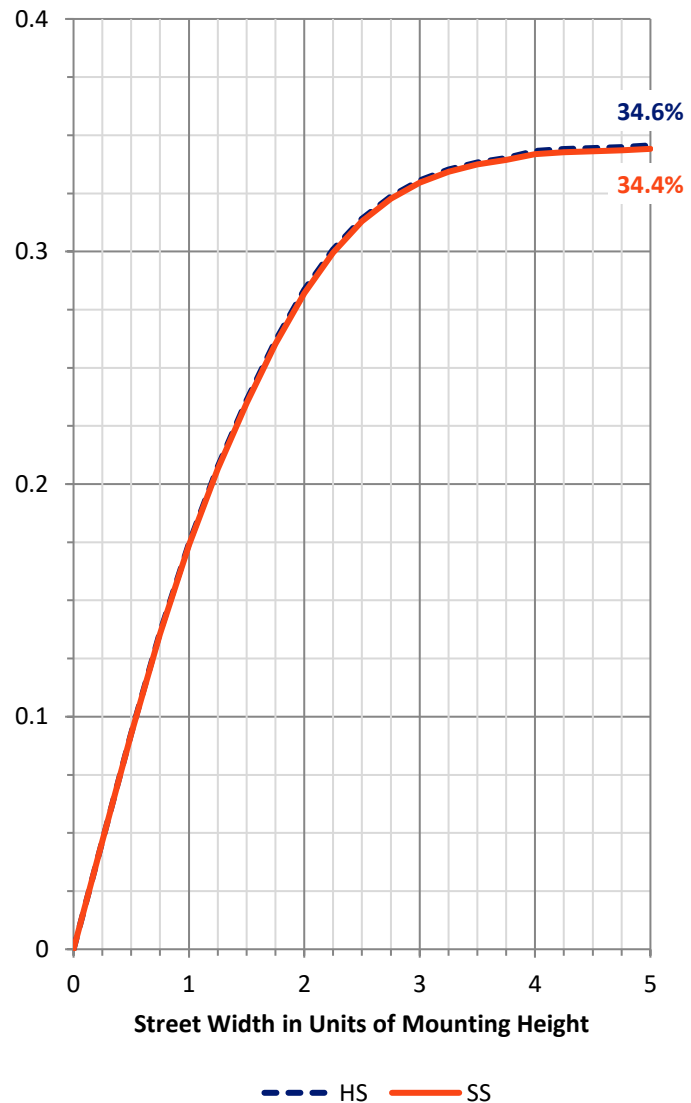
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12731.0	0.0	12731.0
	% Lamp	34.4	0.0	34.4
<b>Street Side</b>	Lumens	12731.0	0.0	12731.0
	% Lamp	34.4	0.0	34.4
<b>Total</b>	Lumens	25462.0	0.0	25462.0
	% Lamp	68.8	0.0	68.8

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	154.5	0.6	0.4
10°-20°	571.0	2.2	1.5
20°-30°	1232.7	4.8	3.3
30°-40°	2165.5	8.5	5.9
40°-50°	3295.9	12.9	8.9
50°-60°	4809.9	18.9	13.0
60°-70°	8861.6	34.8	24.0
70°-80°	4252.5	16.7	11.5
80°-90°	118.5	0.5	0.3
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°	25462.0	100.0	68.8
0°-180°	25462.0	100.0	68.8

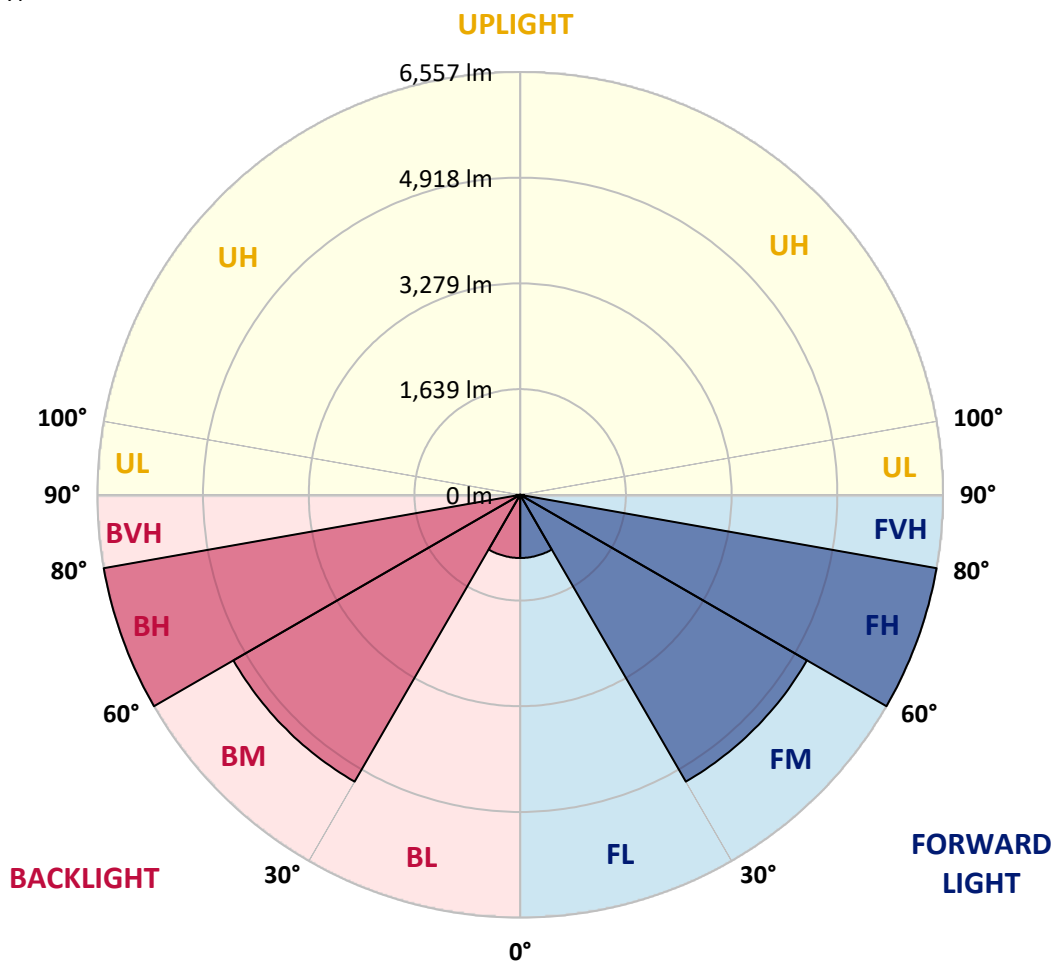


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	979.1	2.6			
FM (30°-60°)	5135.6	13.9			
FH (60°-80°)	6557.0	17.7			G3/7500
FVH (80°-90°)	59.2	0.2			G1/100
BL (0°-30°)	979.1	2.6	B2/1000		
BM (30°-60°)	5135.6	13.9	B4/8500		
BH (60°-80°)	6557.0	17.7	B5		G3/7500
BVH (80°-90°)	59.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	11538.0	31.2			

**BUG Rating: B5-U0-G3**  
 Type V Short



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1477.9
2.5°	1491.3
5°	1556.1
7.5°	1640.3
10°	1744.1
12.5°	1851.0
15°	1976.4
17.5°	2113.1
20°	2275.5
22.5°	2455.4
25°	2633.2
27.5°	2828.4
30°	3021.7
32.5°	3232.4
35°	3441.0
37.5°	3629.1
40°	3825.4
42.5°	4047.4
45°	4272.5
47.5°	4443.1
50°	4609.6
52.5°	4649.7
55°	4855.2
57.5°	5819.3
60°	7432.9
62.5°	8568.6
65°	9242.8
67.5°	9759.8
70°	8753.6
72.5°	6737.1
75°	3769.9
77.5°	1127.5
80°	414.2
82.5°	177.8
85°	48.3
87.5°	3.1
90°	0.0

(END OF REPORT)