

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: 768832\_350MP

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: 768832\_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-37 VBU BURN  
Ballast/Driver: -

**Summary**

Lumens per Lamp: 37000 (1 lamp)  
Luminaire Lumens: 26193.6 lumens  
Efficiency: 70.8%  
Efficacy: 66.0 lumens/watt  
Luminous Opening: Point Source (0' x 0' x 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B4 - U0 - G2

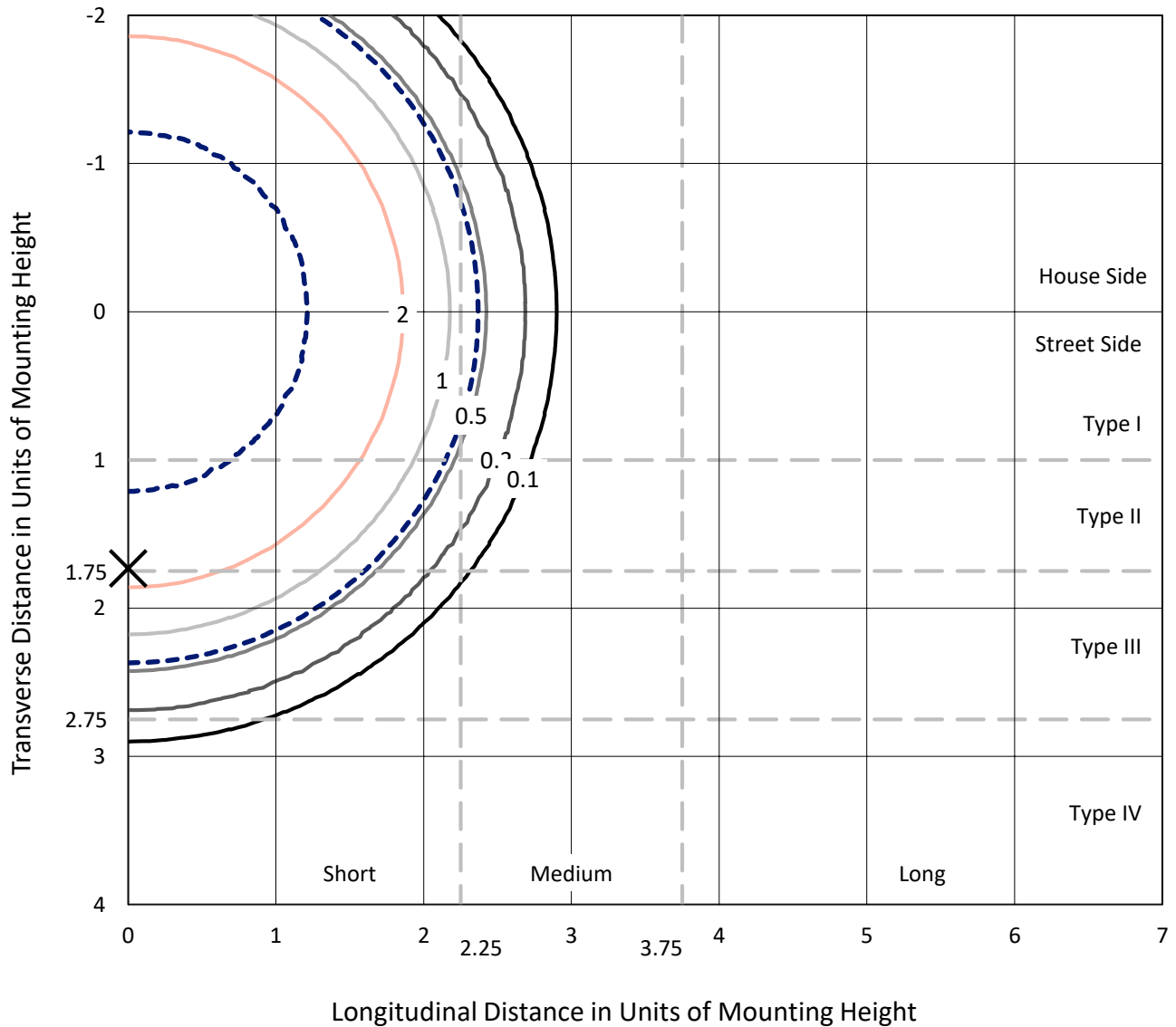
Input Watts (W): 397  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

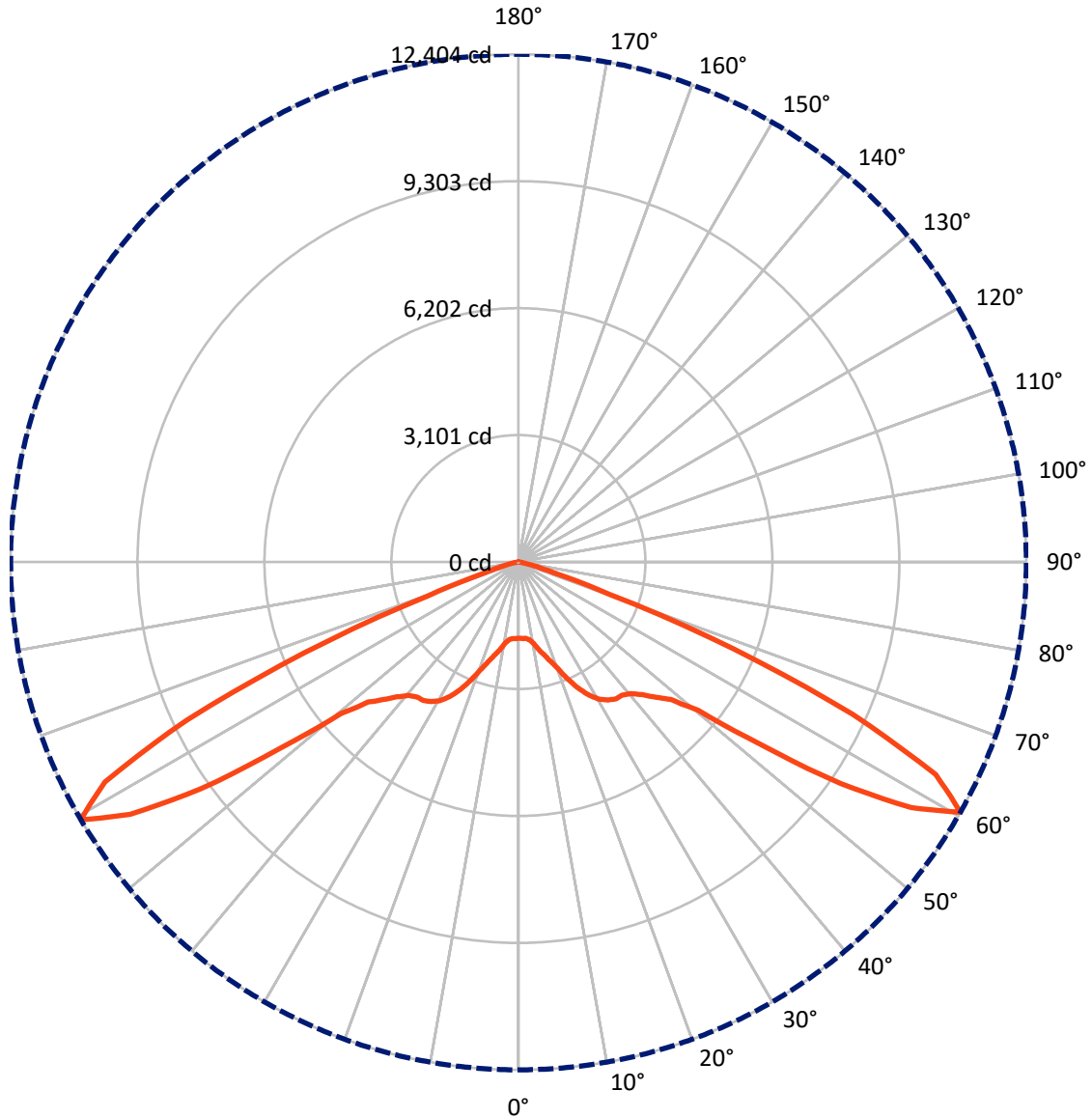
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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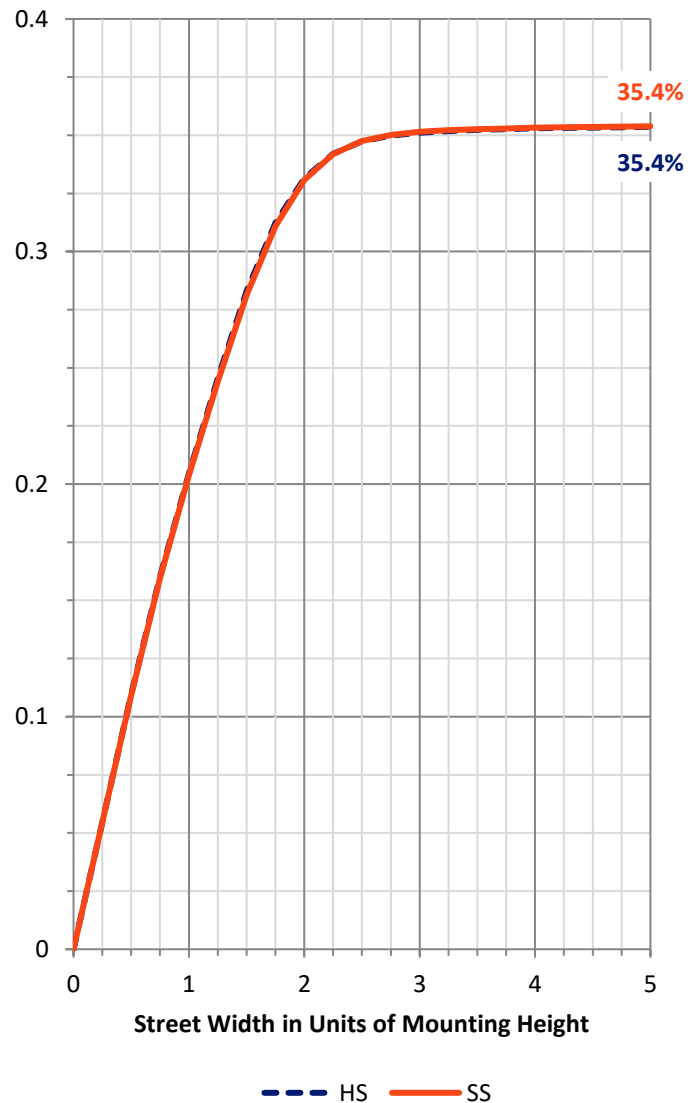
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13096.8	0.0	13096.8
	% Lamp	35.4	0.0	35.4
<b>Street Side</b>	Lumens	13096.8	0.0	13096.8
	% Lamp	35.4	0.0	35.4
<b>Total</b>	Lumens	26193.6	0.0	26193.6
	% Lamp	70.8	0.0	70.8

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	183.1	0.7	0.5
10°-20°	684.6	2.6	1.9
20°-30°	1584.2	6.0	4.3
30°-40°	2563.1	9.8	6.9
40°-50°	3713.2	14.2	10.0
50°-60°	8426.7	32.2	22.8
60°-70°	8241.4	31.5	22.3
70°-80°	761.9	2.9	2.1
80°-90°	35.3	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°	26193.6	100.0	70.8
0°-180°	26193.6	100.0	70.8

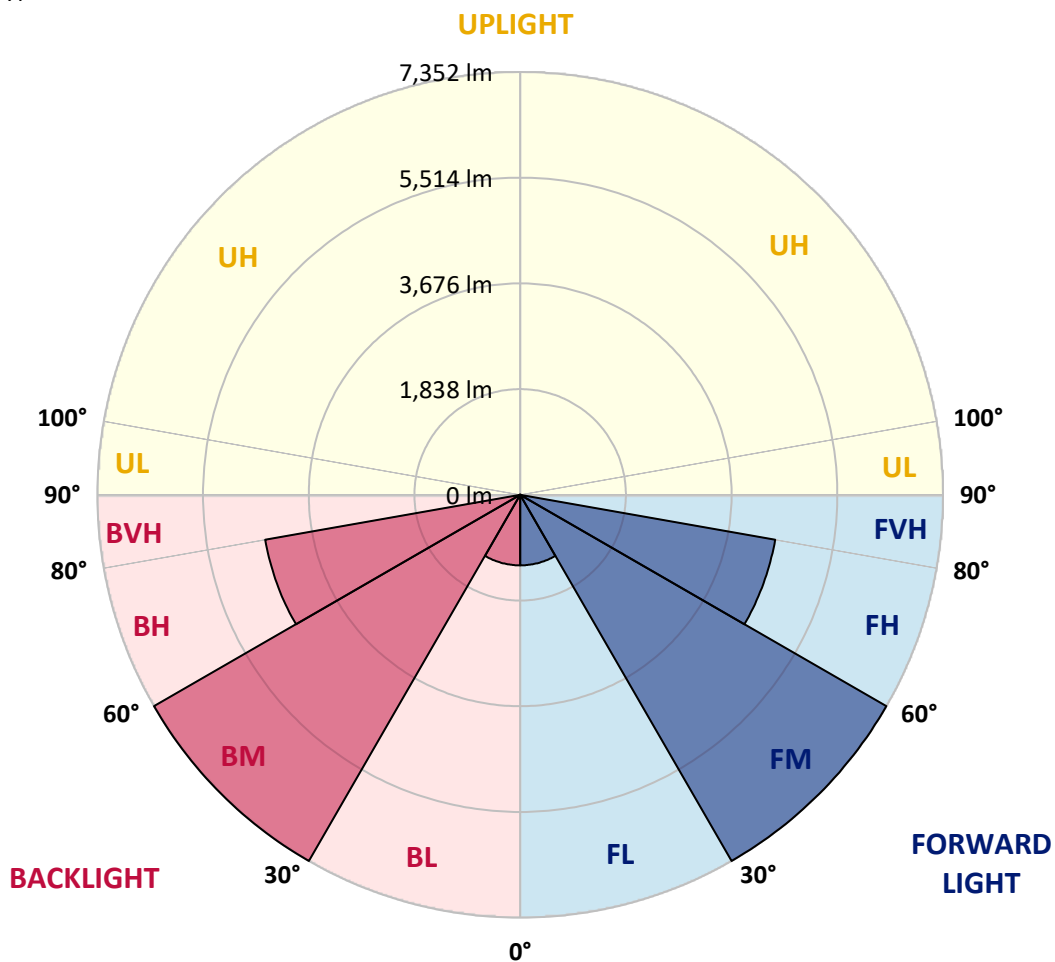


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1226.0	3.3			
FM	(30°-60°)	7351.5	19.9			
FH	(60°-80°)	4501.7	12.2			G2/5000
FVH	(80°-90°)	17.6	0.0			G1/100
BL	(0°-30°)	1226.0	3.3	B3/2500		
BM	(30°-60°)	7351.5	19.9	B4/8500		
BH	(60°-80°)	4501.7	12.2	B4/5000		G2/5000
BVH	(80°-90°)	17.6	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		10806.4	29.2			

**BUG Rating: B4-U0-G2**  
 Type V Short



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1860.3
2.5°	1869.5
5°	1872.6
7.5°	1913.7
10°	2015.5
12.5°	2193.3
15°	2354.6
17.5°	2552.0
20°	2797.6
22.5°	3112.1
25°	3420.4
27.5°	3684.6
30°	3889.1
32.5°	4017.6
35°	4102.9
37.5°	4122.4
40°	4221.1
42.5°	4428.7
45°	4709.3
47.5°	5013.5
50°	5686.7
52.5°	7382.5
55°	9553.2
57.5°	11314.8
60°	12404.2
62.5°	11439.2
65°	8975.6
67.5°	5682.6
70°	2360.8
72.5°	909.6
75°	488.2
77.5°	267.2
80°	126.4
82.5°	58.6
85°	8.2
87.5°	0.0
90°	0.0

(END OF REPORT)