

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: 769295_350MP

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: 769295_350MP
Test Lab: COOPER LIGHTING
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GSM-AM-350-MP-MT-AR-SG
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: 24980 lumens
Efficiency: 67.5%
Efficacy: 62.9 lumens/watt
Luminous Opening: Circular (Dia: 1.6' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B5 - U2 - G4

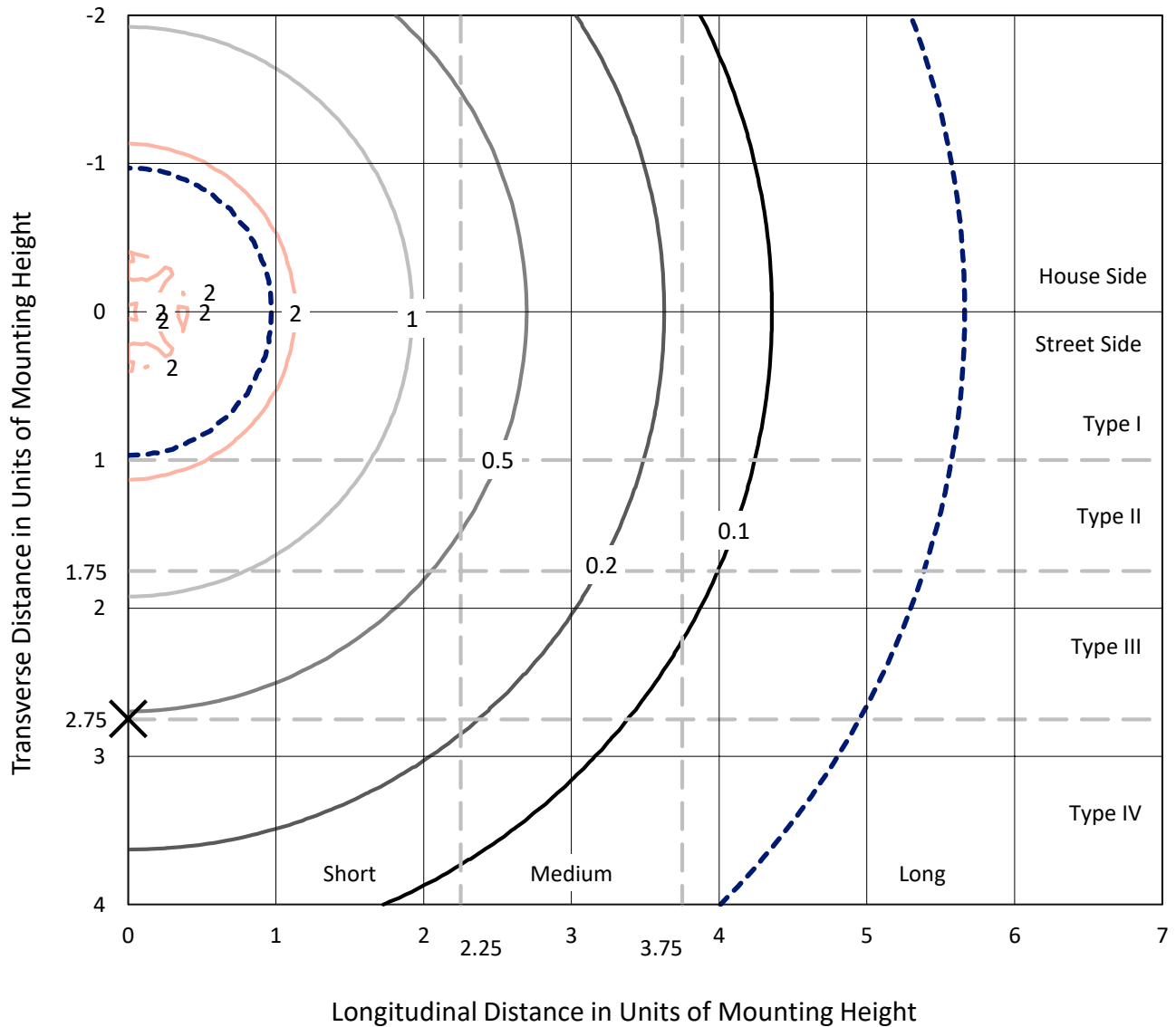
Input Watts (W): 397
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: 769295_350MP
 CATALOG NUMBER: GSM-AM-350-MP-MT-AR-SG

Iso-Footcandle Lines of Horizontal Illumination

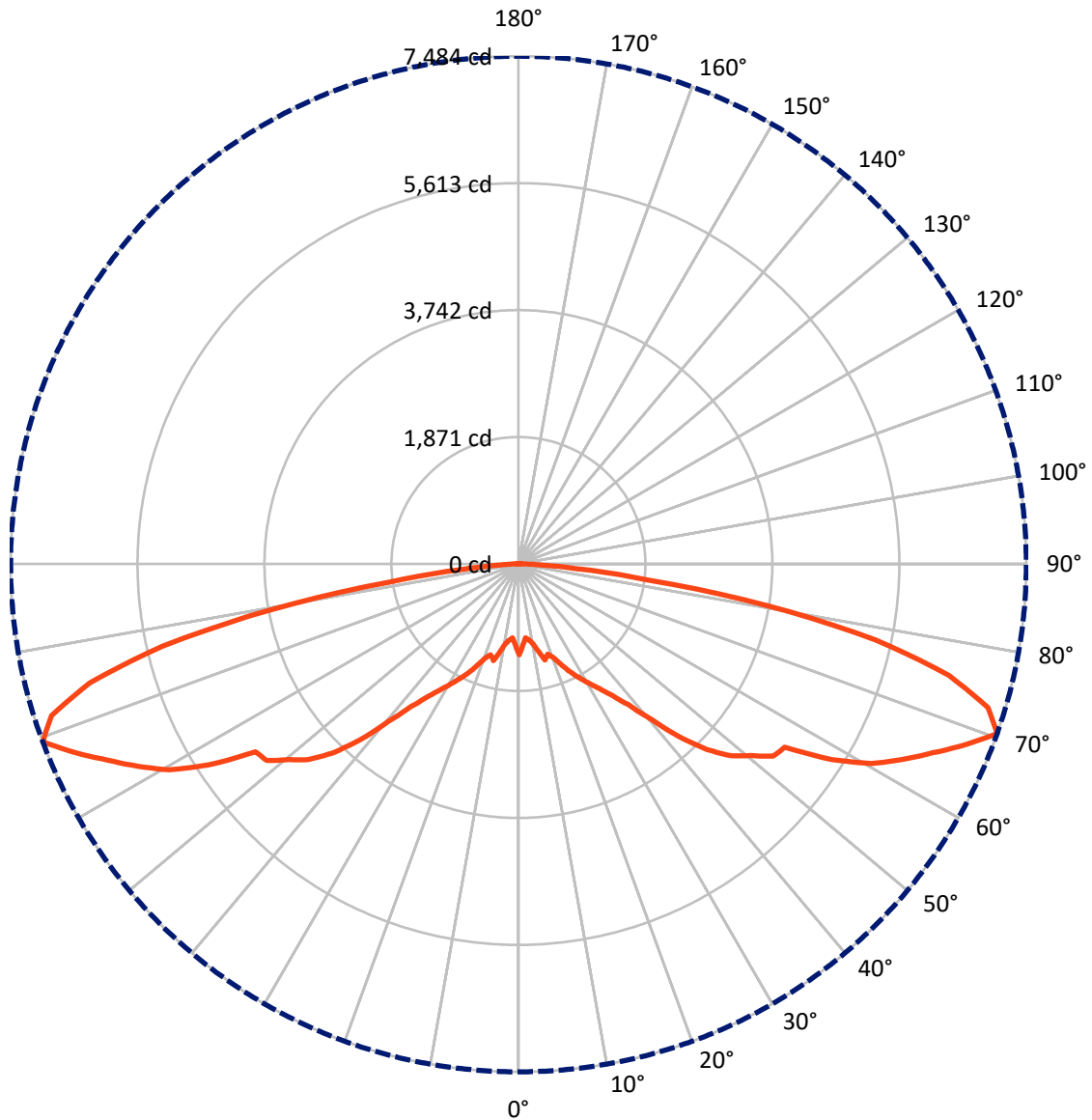
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: 769295_350MP
CATALOG NUMBER: GSM-AM-350-MP-MT-AR-SG

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: 769295_350MP
 CATALOG NUMBER: GSM-AM-350-MP-MT-AR-SG

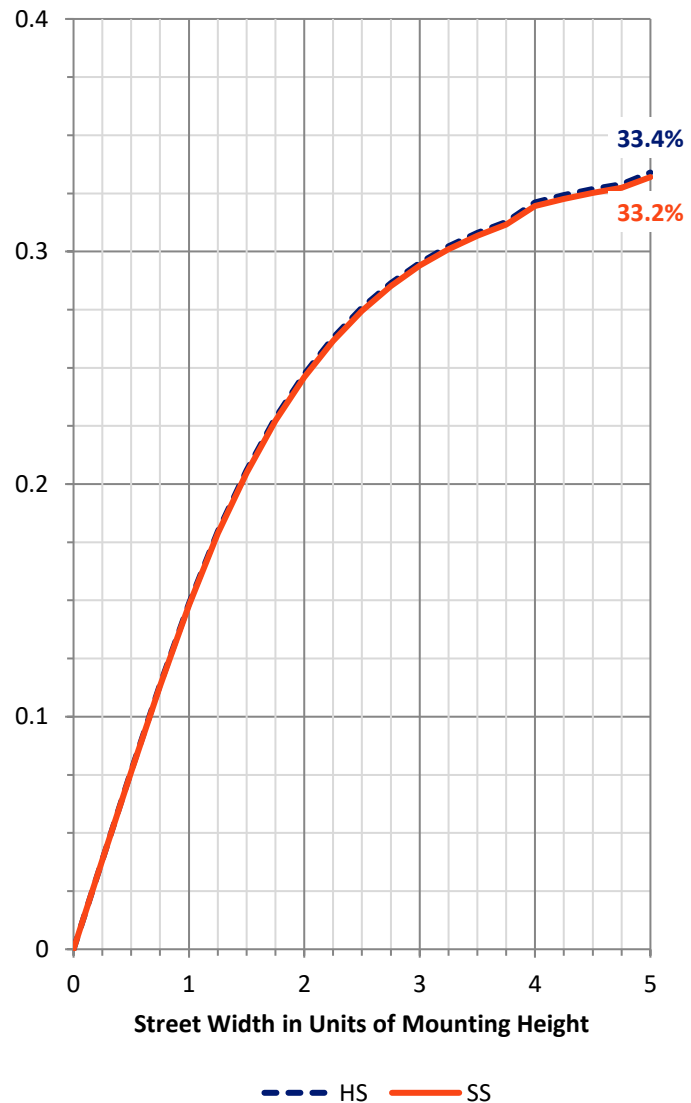
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12463.5	26.5	12490.0
	% Lamp	33.7	0.1	33.8
Street Side	Lumens	12463.5	26.5	12490.0
	% Lamp	33.7	0.1	33.8
Total	Lumens	24927.0	53.0	24980.0
	% Lamp	67.4	0.1	67.5

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	109.9	0.4	0.3
10°-20°	394.8	1.6	1.1
20°-30°	818.4	3.3	2.2
30°-40°	1537.0	6.2	4.2
40°-50°	2984.6	11.9	8.1
50°-60°	4523.1	18.1	12.2
60°-70°	6683.8	26.8	18.1
70°-80°	6539.5	26.2	17.7
80°-90°	1336.0	5.3	3.6
90°-100°	47.2	0.2	0.1
100°-110°	5.8	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°	24927.0	99.8	67.4
0°-180°	24980.0	100.0	67.5

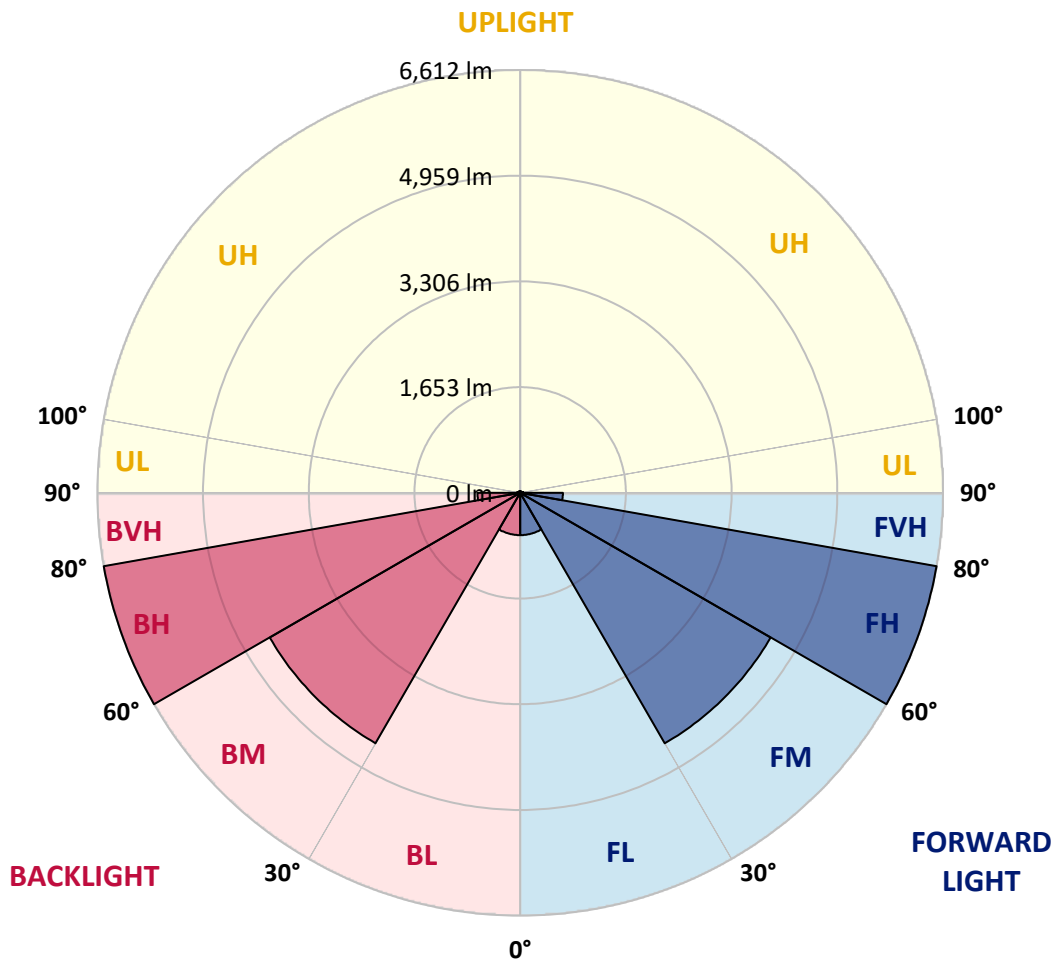


REPORT NUMBER: 769295_350MP
 CATALOG NUMBER: GSM-AM-350-MP-MT-AR-SG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	661.5	1.8			
FM (30°-60°)	4522.3	12.2			
FH (60°-80°)	6611.6	17.9			G3/7500
FVH (80°-90°)	668.0	1.8			G4/750
BL (0°-30°)	661.5	1.8	B2/1000		
BM (30°-60°)	4522.3	12.2	B3/5000		
BH (60°-80°)	6611.6	17.9	B5		G3/7500
BVH (80°-90°)	668.0	1.8			G4/750
UL (90°-100°)	47.2	0.1		U2/50	
UH (100°-180°)	26.5	0.1		U2/50	
Trapped Light	12020.0	32.5			

BUG Rating: B5-U2-G4
 Type V Short





REPORT NUMBER: 769295_350MP

CATALOG NUMBER: GSM-AM-350-MP-MT-AR-SG

CANDELA DISTRIBUTION (FULL):

0°	
0°	1337.1
2.5°	1203.5
5°	1091.5
7.5°	1130.6
10°	1198.4
12.5°	1326.9
15°	1468.7
17.5°	1396.7
20°	1470.7
22.5°	1606.4
25°	1754.4
27.5°	1893.2
30°	2032.9
32.5°	2188.1
35°	2378.3
37.5°	2629.1
40°	3004.2
42.5°	3486.2
45°	3902.5
47.5°	4226.2
50°	4437.9
52.5°	4705.2
55°	4761.7
57.5°	5435.9
60°	5974.5
62.5°	6348.6
65°	6711.4
67.5°	7106.1
70°	7484.3
72.5°	7235.6
75°	6554.1
77.5°	5381.4
80°	3732.9
82.5°	1921.9
85°	835.6
87.5°	247.7
90°	88.4
92.5°	54.5
95°	36.0
97.5°	27.7
100°	20.6
102.5°	9.2
105°	2.1
107.5°	0.0
110°	0.0



REPORT NUMBER: 769295_350MP
CATALOG NUMBER: GSM-AM-350-MP-MT-AR-SG

CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)