

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_400MP

Luminaire Tested: **GSM-AM-400-MP-MT-AR-FG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: 768838_400MP
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GSM-AM-400-MP-MT-AR-FG
Description: MEDIUM ARCHITECTURAL AREA LUMINAIRE-VERTICAL LAMP-ROUND DISTRIBUTION
Light Source: 400 WATT PULSE-START CLEAR ED-28 VBU BURN
Ballast/Driver: -

Summary

Lumens per Lamp: 44000 (1 lamp)
Luminaire Lumens: 30279.1 lumens
Efficiency: 68.8%
Efficacy: 67.0 lumens/watt
Luminous Opening: Point Source (0' x 0' x 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B5 - U0 - G4

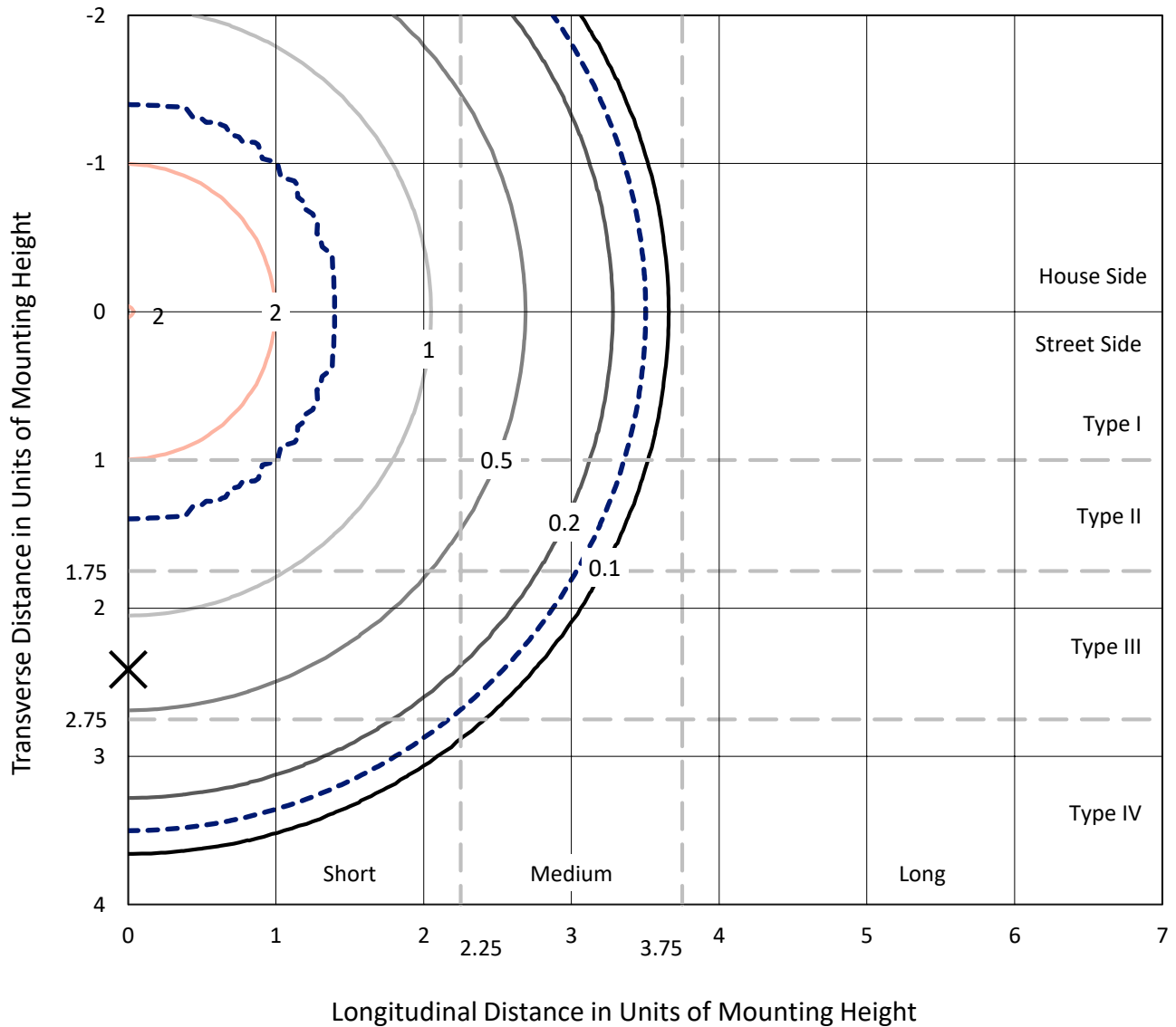
Input Watts (W): 452
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

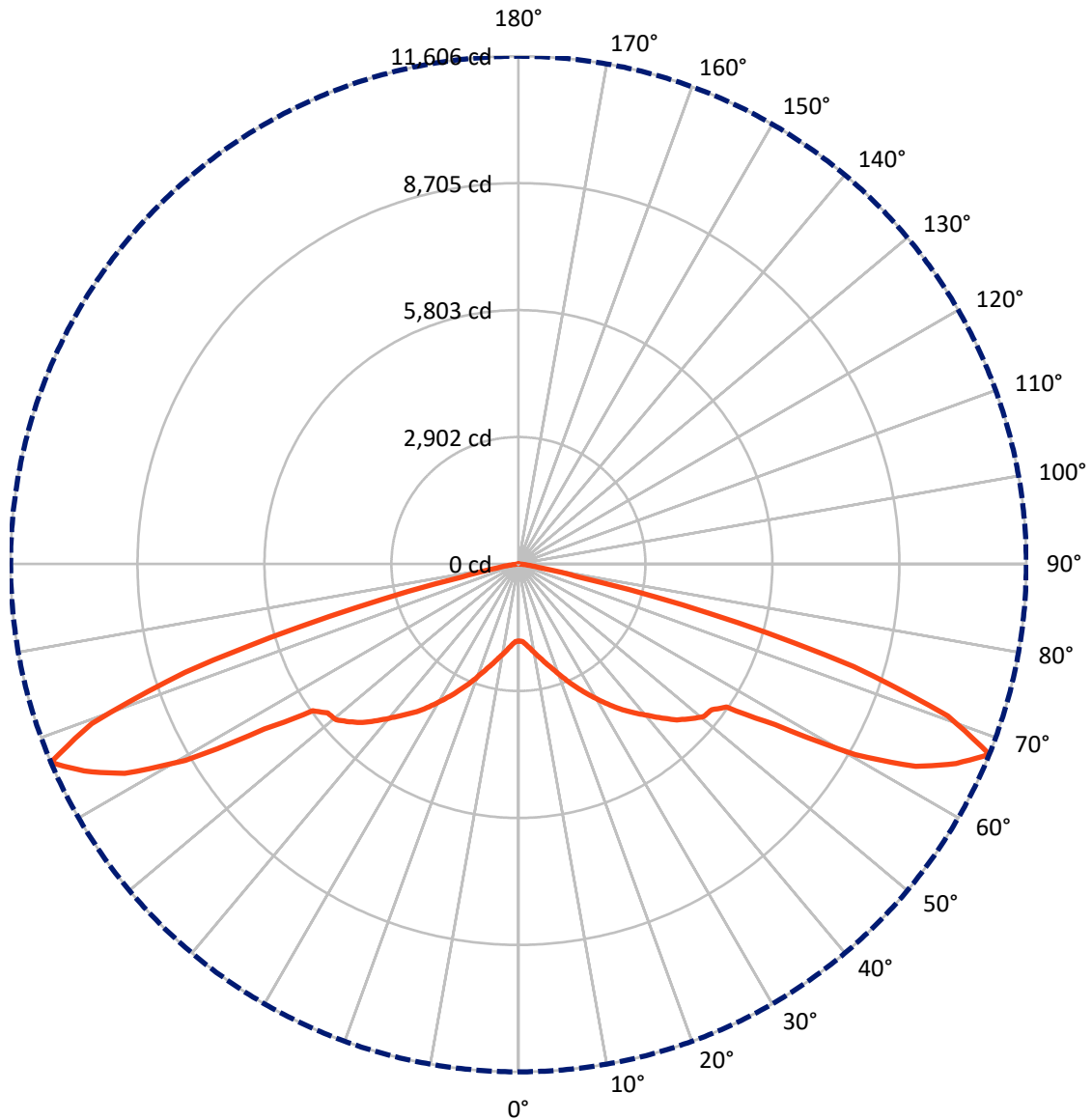
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 2.6 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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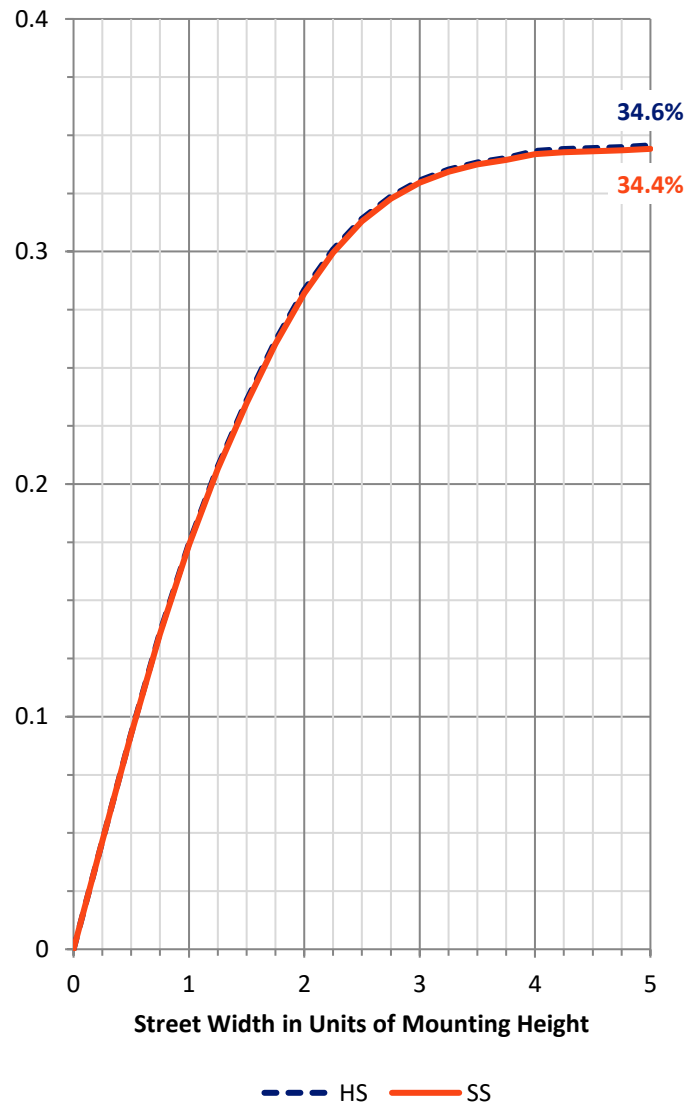
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15139.5	0.0	15139.5
	% Lamp	34.4	0.0	34.4
Street Side	Lumens	15139.5	0.0	15139.5
	% Lamp	34.4	0.0	34.4
Total	Lumens	30279.1	0.0	30279.1
	% Lamp	68.8	0.0	68.8

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	183.7	0.6	0.4
10°-20°	679.1	2.2	1.5
20°-30°	1465.9	4.8	3.3
30°-40°	2575.1	8.5	5.9
40°-50°	3919.5	12.9	8.9
50°-60°	5719.8	18.9	13.0
60°-70°	10538.1	34.8	24.0
70°-80°	5057.0	16.7	11.5
80°-90°	140.9	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°	30279.1	100.0	68.8
0°-180°	30279.1	100.0	68.8

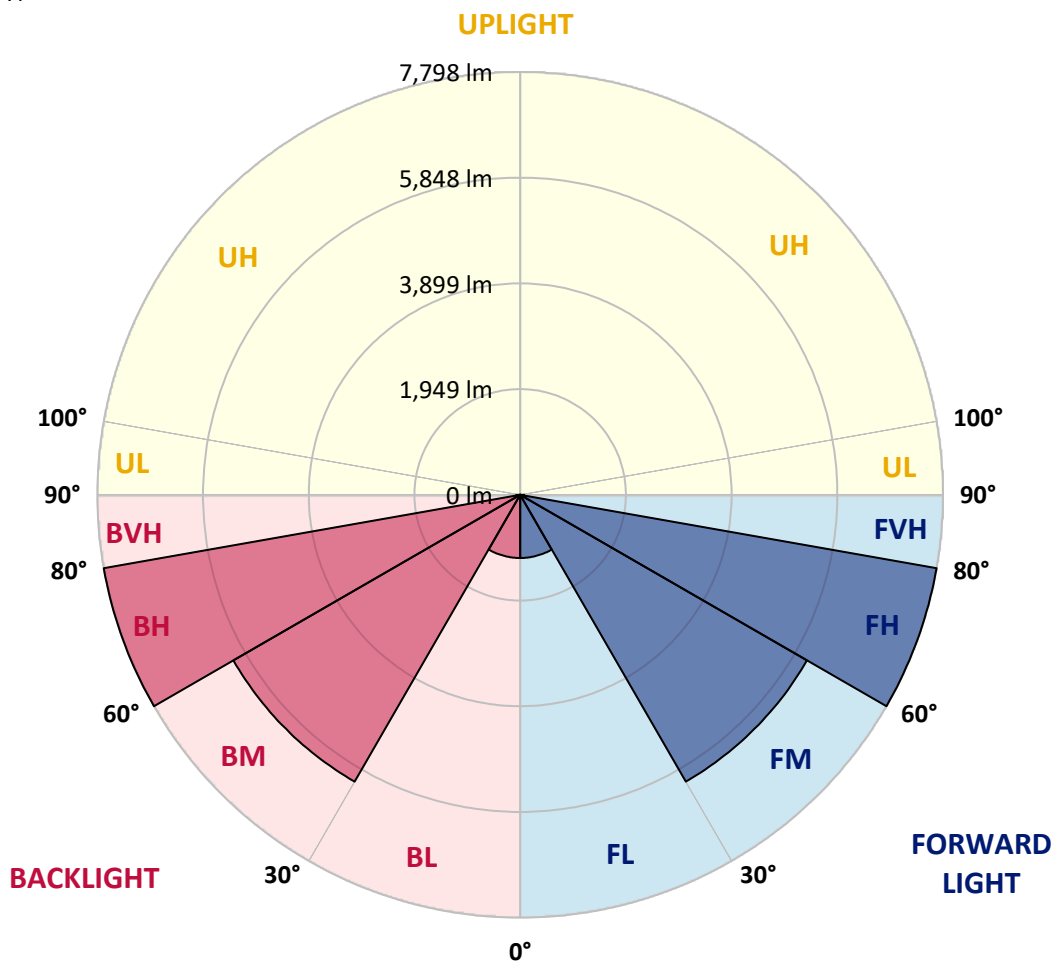


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1164.3	2.6			
FM (30°-60°)	6107.2	13.9			
FH (60°-80°)	7797.5	17.7			G4/12000
FVH (80°-90°)	70.4	0.2			G1/100
BL (0°-30°)	1164.3	2.6	B3/2500		
BM (30°-60°)	6107.2	13.9	B4/8500		
BH (60°-80°)	7797.5	17.7	B5		G4/12000
BVH (80°-90°)	70.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	13720.9	31.2			

BUG Rating: B5-U0-G4
 Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1757.6
2.5°	1773.4
5°	1850.4
7.5°	1950.7
10°	2074.1
12.5°	2201.2
15°	2350.3
17.5°	2512.9
20°	2706.0
22.5°	2919.9
25°	3131.3
27.5°	3363.6
30°	3593.3
32.5°	3843.9
35°	4092.0
37.5°	4315.7
40°	4549.1
42.5°	4813.1
45°	5080.8
47.5°	5283.7
50°	5481.7
52.5°	5529.3
55°	5773.8
57.5°	6920.2
60°	8839.1
62.5°	10189.7
65°	10991.4
67.5°	11606.2
70°	10409.7
72.5°	8011.7
75°	4483.1
77.5°	1340.8
80°	492.6
82.5°	211.4
85°	57.4
87.5°	3.7
90°	0.0

(END OF REPORT)