

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_320MP

Luminaire Tested: **GSM-AM-320-MP-MT-AR-FG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: 768838_320MP
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GSM-AM-320-MP-MT-AR-FG
Description: MEDIUM ARCHITECTURAL AREA LUMINAIRE-VERTICAL LAMP-ROUND DISTRIBUTION
Light Source: 320 WATT PULSE-START CLEAR ED-28 VBU BURN
Ballast/Driver: -

Summary

Lumens per Lamp: 34000 (1 lamp)
Luminaire Lumens: 23397.4 lumens
Efficiency: 68.8%
Efficacy: 66.8 lumens/watt
Luminous Opening: Point Source (0' x 0' x 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B5 - U0 - G3

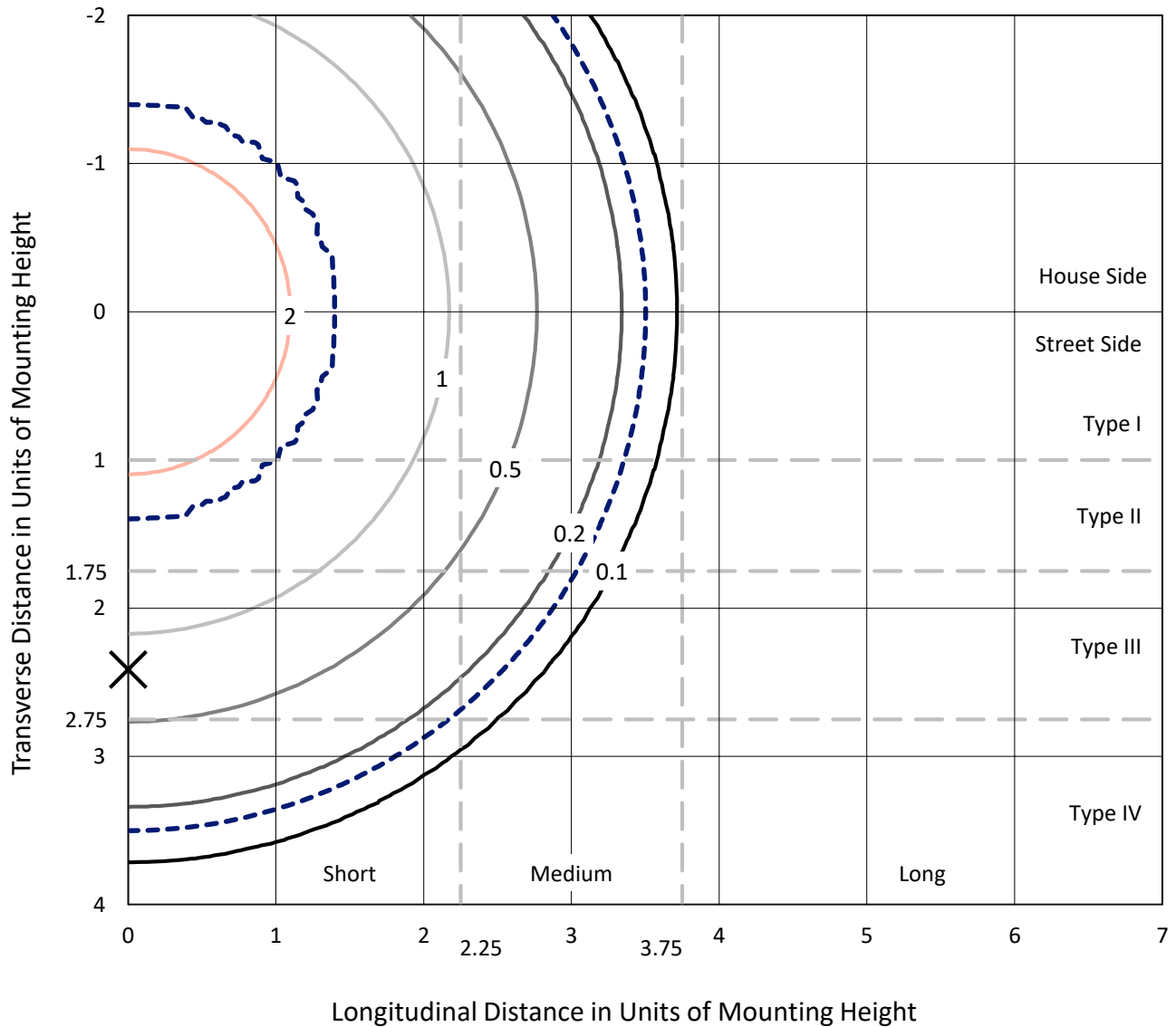
Input Watts (W): 350
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

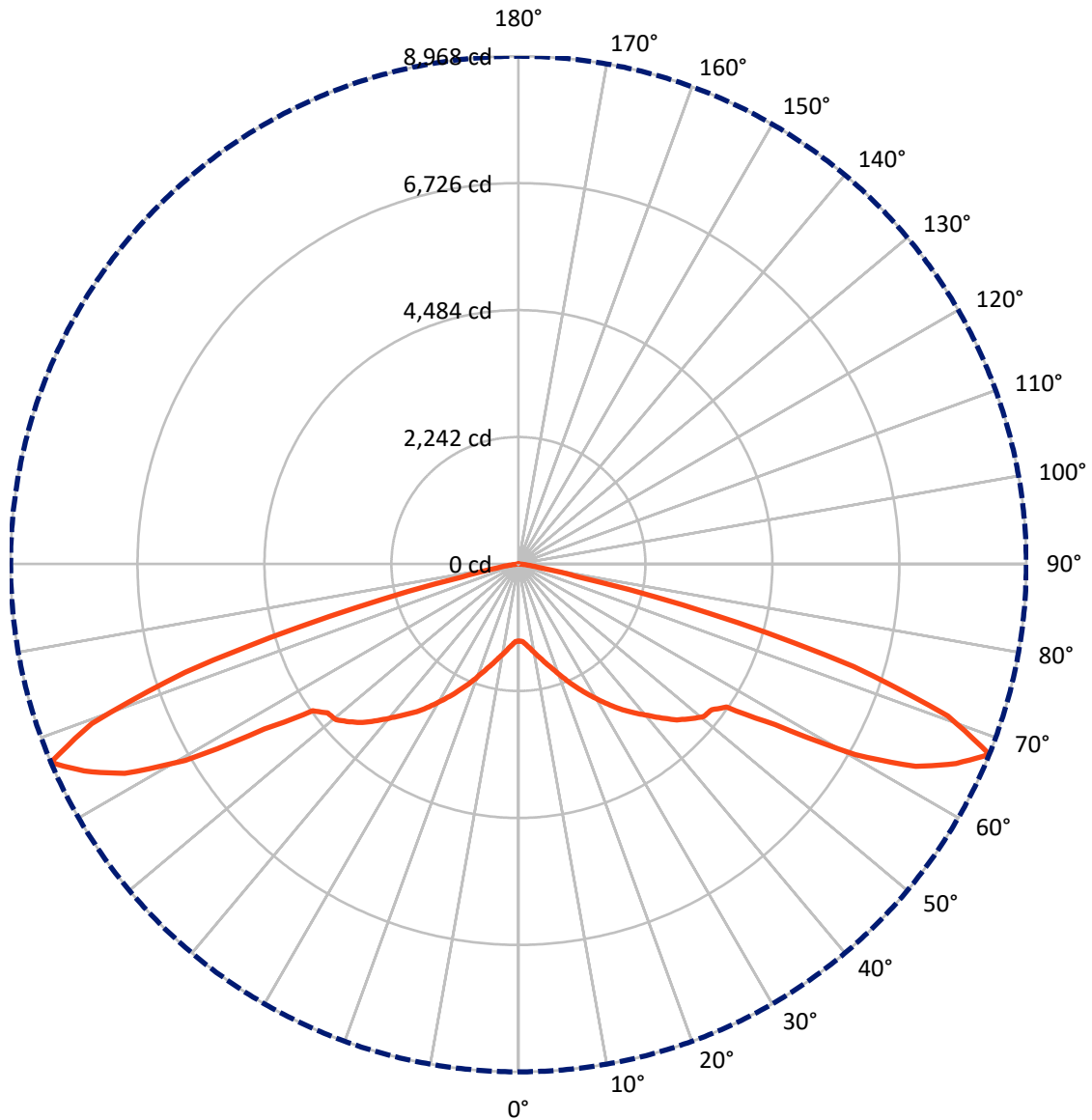
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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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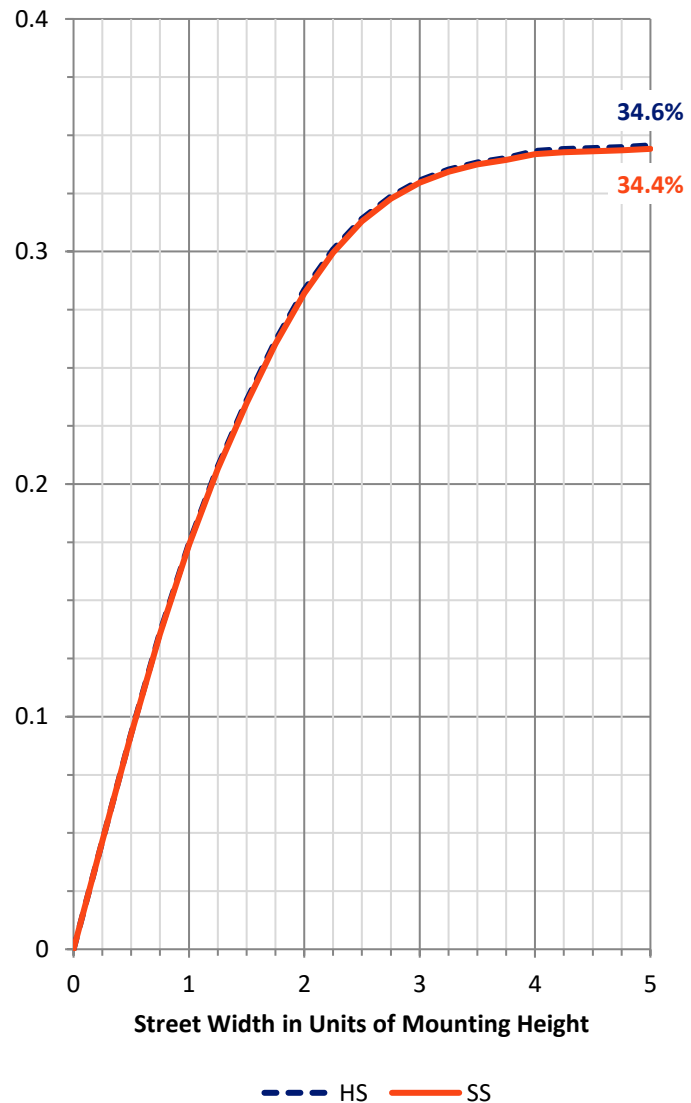
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11698.7	0.0	11698.7
	% Lamp	34.4	0.0	34.4
Street Side	Lumens	11698.7	0.0	11698.7
	% Lamp	34.4	0.0	34.4
Total	Lumens	23397.4	0.0	23397.4
	% Lamp	68.8	0.0	68.8

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	141.9	0.6	0.4
10°-20°	524.7	2.2	1.5
20°-30°	1132.8	4.8	3.3
30°-40°	1989.9	8.5	5.9
40°-50°	3028.7	12.9	8.9
50°-60°	4419.9	18.9	13.0
60°-70°	8143.0	34.8	24.0
70°-80°	3907.7	16.7	11.5
80°-90°	108.8	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°	23397.4	100.0	68.8
0°-180°	23397.4	100.0	68.8

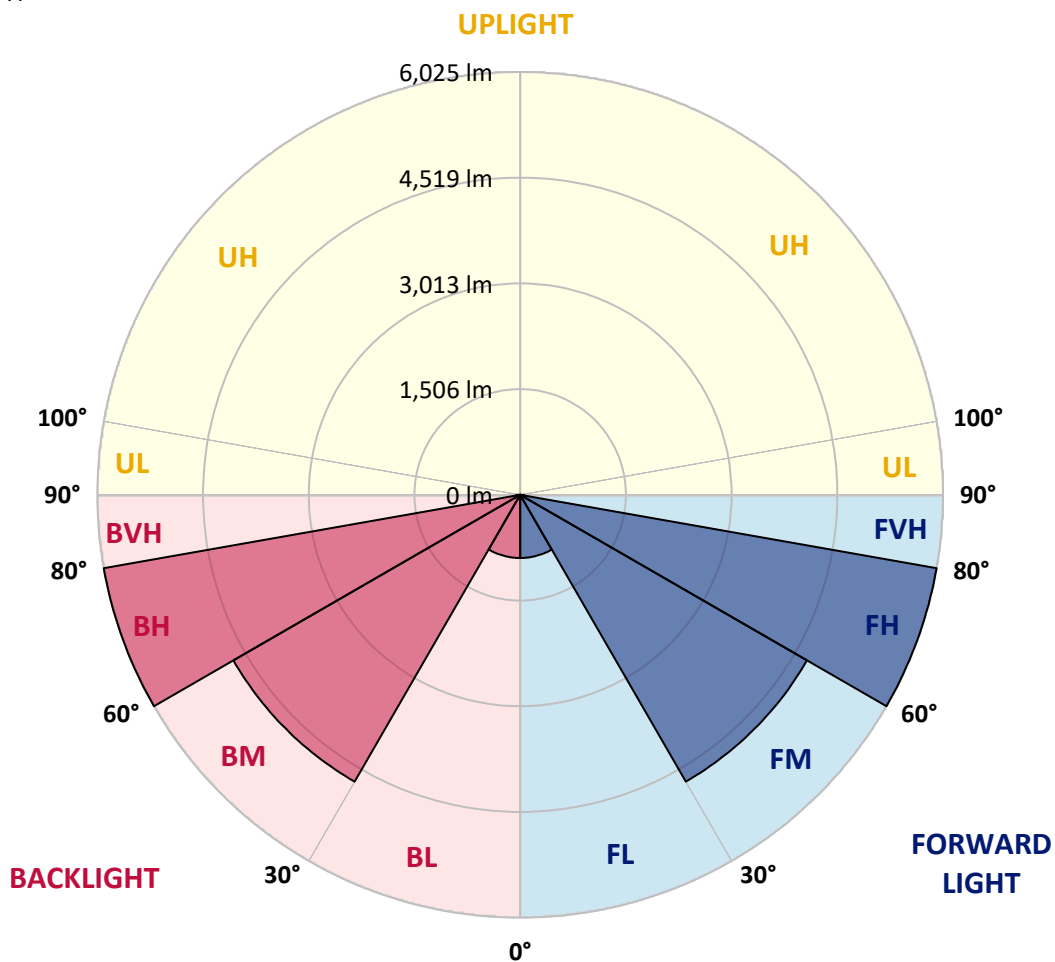


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	899.7	2.6			
FM (30°-60°)	4719.2	13.9			
FH (60°-80°)	6025.4	17.7			G3/7500
FVH (80°-90°)	54.4	0.2			G1/100
BL (0°-30°)	899.7	2.6	B2/1000		
BM (30°-60°)	4719.2	13.9	B3/5000		
BH (60°-80°)	6025.4	17.7	B5		G3/7500
BVH (80°-90°)	54.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	10602.6	31.2			

BUG Rating: B5-U0-G3
 Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1358.1
2.5°	1370.4
5°	1429.9
7.5°	1507.3
10°	1602.7
12.5°	1700.9
15°	1816.2
17.5°	1941.8
20°	2091.0
22.5°	2256.3
25°	2419.7
27.5°	2599.1
30°	2776.7
32.5°	2970.3
35°	3162.0
37.5°	3334.8
40°	3515.2
42.5°	3719.2
45°	3926.1
47.5°	4082.8
50°	4235.8
52.5°	4272.7
55°	4461.6
57.5°	5347.4
60°	6830.2
62.5°	7873.8
65°	8493.4
67.5°	8968.4
70°	8043.8
72.5°	6190.8
75°	3464.2
77.5°	1036.1
80°	380.6
82.5°	163.4
85°	44.4
87.5°	2.8
90°	0.0

(END OF REPORT)