

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: P532199

Luminaire Tested: **GALN-SA7C-740-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532199
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7C-740-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29388 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

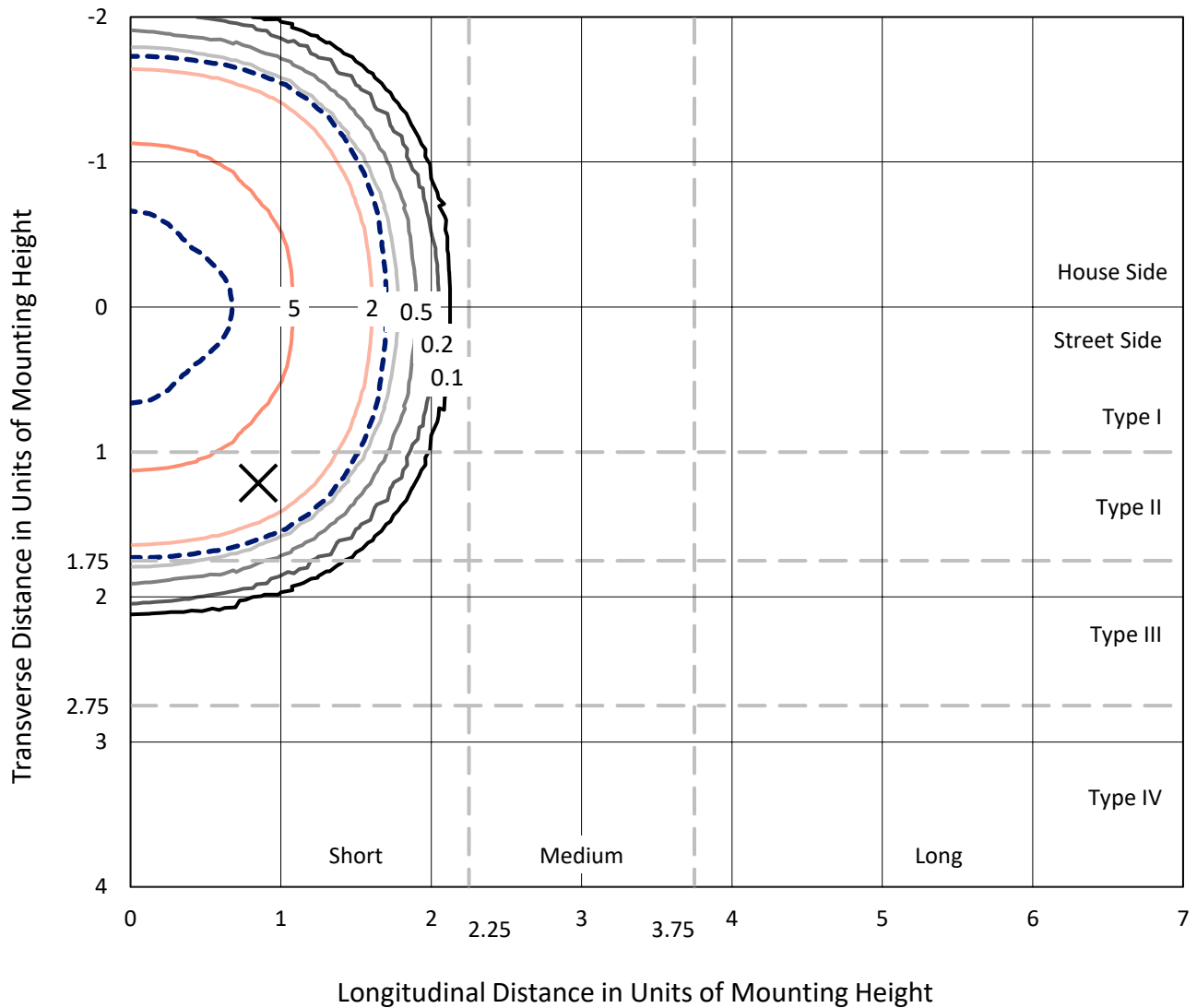
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

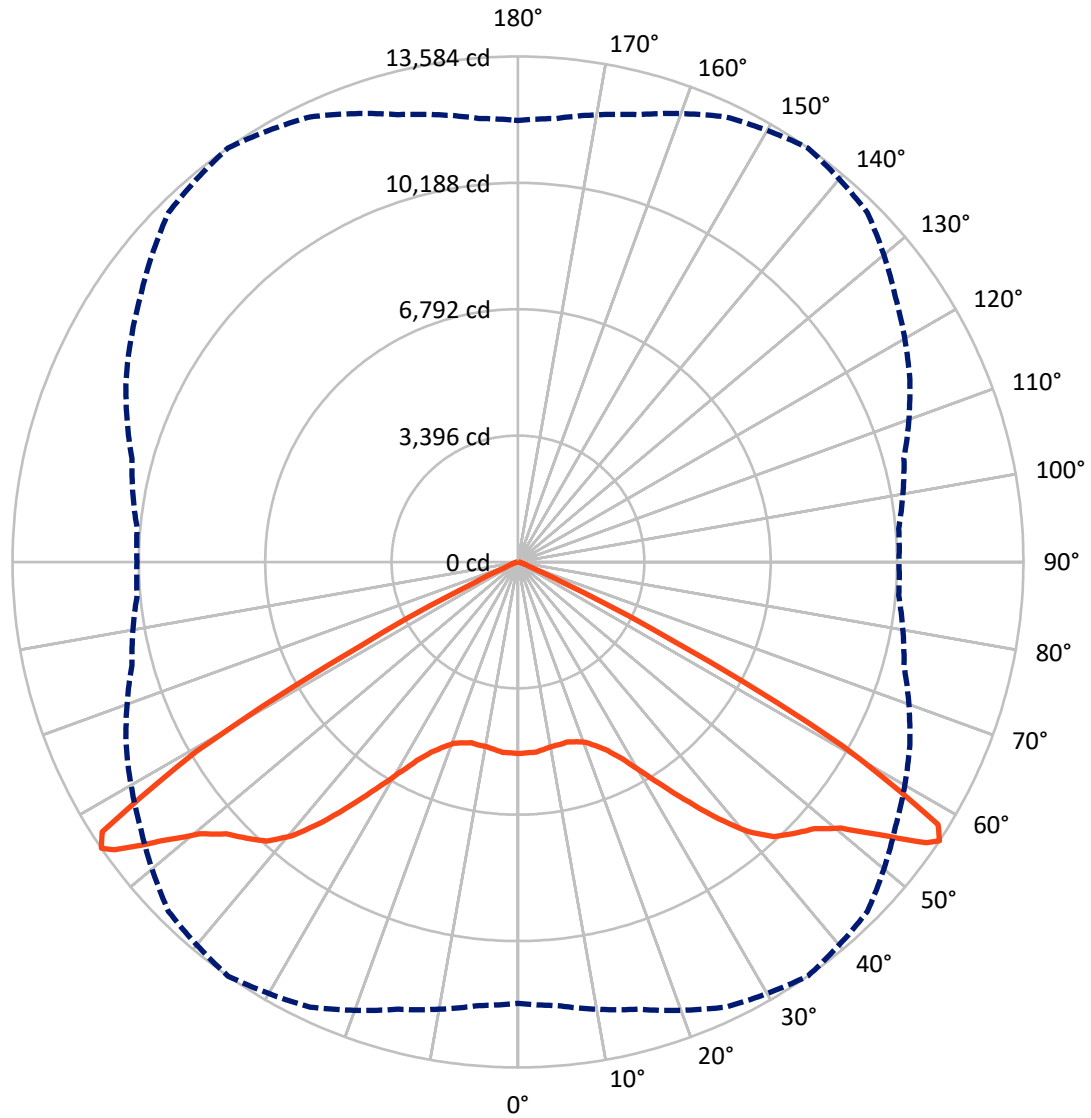
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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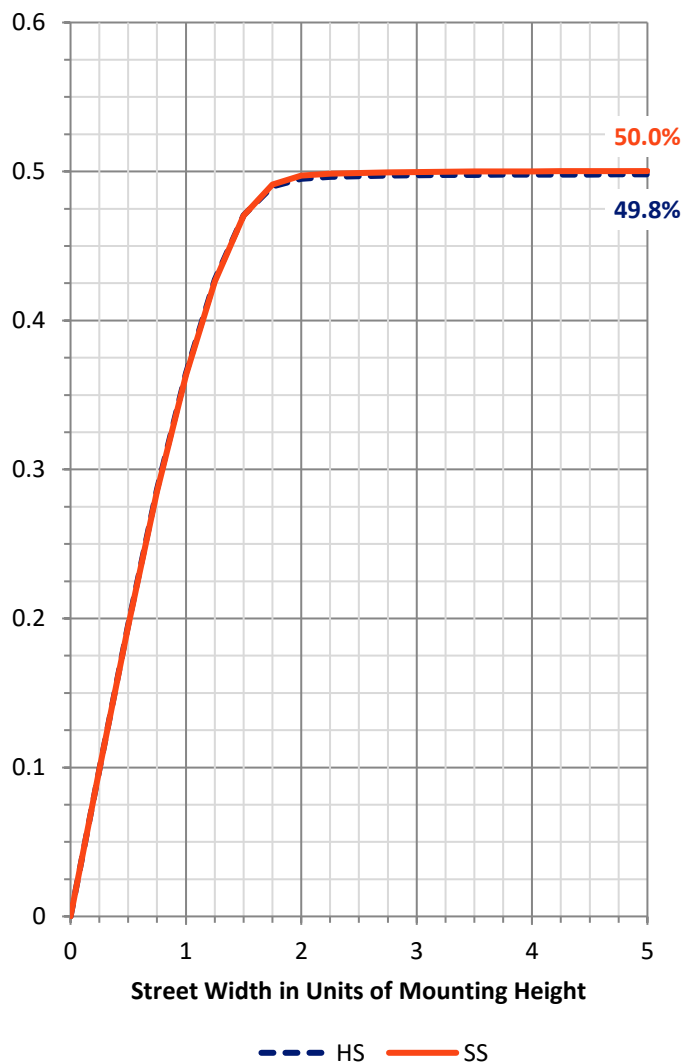
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14694.0	0.0	14694.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14694.0	0.0	14694.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29388.0	0.0	29388.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.0	1.6
10°-20°	1412.9	4.8
20°-30°	2558.6	8.7
30°-40°	4744.7	16.1
40°-50°	7788.0	26.5
50°-60°	10033.3	34.1
60°-70°	2211.2	7.5
70°-80°	128.3	0.4
80°-90°	27.0	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	29388.0	100.0
0°-180°	29388.0	100.0

Coefficient of Utilization

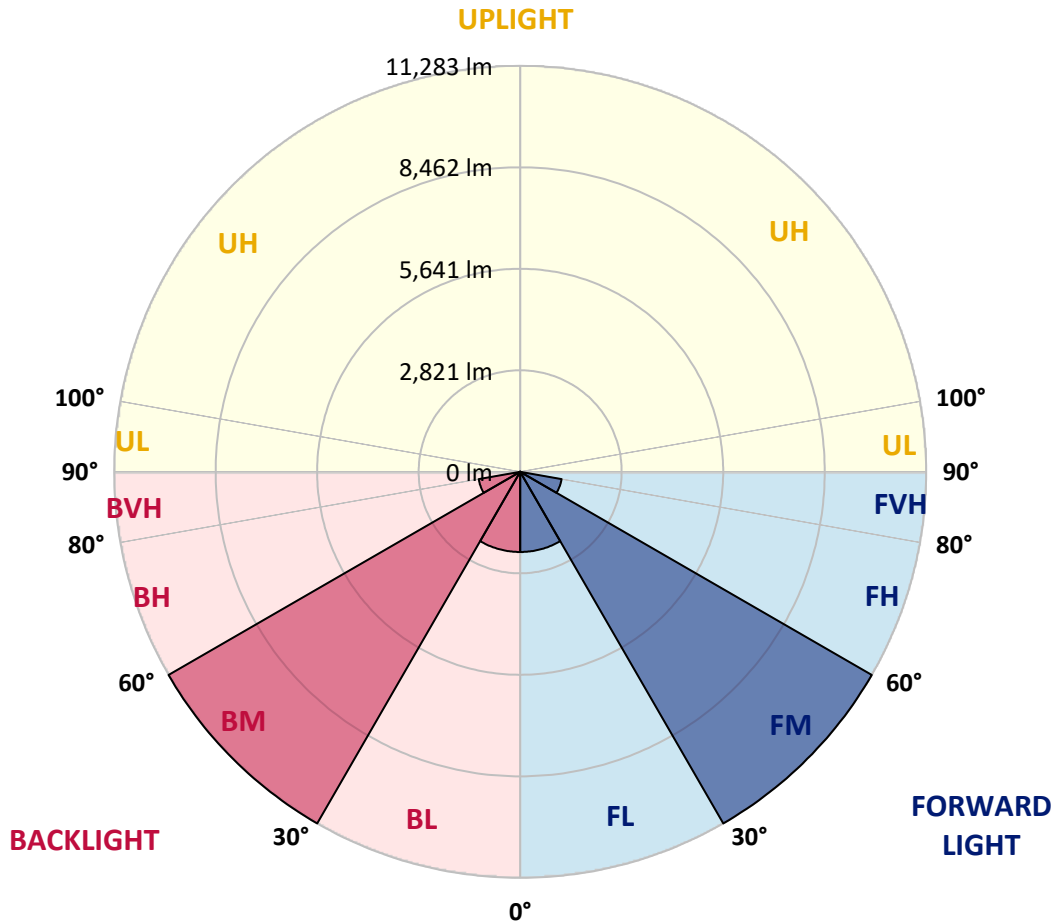


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2227.8	7.6			
FM (30°-60°)	11283.0	38.4			
FH (60°-80°)	1169.8	4.0			G1/1800
FVH (80°-90°)	13.5	0.0			G1/100
BL (0°-30°)	2227.8	7.6	B3/2500		
BM (30°-60°)	11283.0	38.4	B5		
BH (60°-80°)	1169.8	4.0	B3/2500		G1/1800
BVH (80°-90°)	13.5	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5149.4	5149.4	5149.4	5149.4	5149.4	5149.4	5149.4	5149.4	5149.4	5149.4	5149.4
2.5°	5160.1	5160.1	5165.4	5170.7	5133.4	5117.5	5122.8	5112.1	5106.8	5122.8	5122.8
5°	5144.1	5144.1	5128.1	5133.4	5133.4	5085.5	5085.5	5096.2	5096.2	5064.2	5053.6
7.5°	5101.5	5090.8	5069.5	5096.2	5080.2	5080.2	5042.9	5016.3	5005.6	5026.9	5005.6
10°	5011.0	5016.3	5037.6	5048.2	5037.6	5069.5	5005.6	4968.4	4931.1	4915.1	4915.1
12.5°	4968.4	5000.3	4968.4	4995.0	5032.3	5005.6	4968.4	4941.7	4888.5	4867.2	4867.2
15°	4963.0	4984.3	4995.0	5032.3	5016.3	5026.9	4952.4	4920.4	4840.6	4803.3	4787.3
17.5°	4957.7	4984.3	5000.3	5069.5	5080.2	5085.5	5026.9	4931.1	4861.9	4824.6	4787.3
20°	5016.3	5026.9	5058.9	5128.1	5170.7	5245.3	5138.8	5037.6	4888.5	4845.9	4829.9
22.5°	5090.8	5144.1	5176.0	5250.6	5362.4	5426.3	5287.9	5160.1	5005.6	4952.4	4888.5
25°	5330.5	5319.8	5373.1	5527.5	5618.0	5665.9	5554.1	5367.7	5165.4	5101.5	5112.1
27.5°	5628.7	5639.3	5687.2	5857.7	5990.8	6065.3	5932.2	5687.2	5490.2	5383.7	5373.1
30°	6017.4	6006.8	6060.0	6289.0	6528.6	6640.4	6406.1	6118.6	5926.9	5788.4	5820.4
32.5°	6427.4	6432.8	6581.9	6789.6	7178.3	7396.6	7018.5	6667.1	6379.5	6283.7	6235.7
35°	7034.5	7061.1	7178.3	7497.8	7929.1	8211.4	7796.0	7375.3	7045.2	6869.4	6890.7
37.5°	7785.4	7758.7	7955.8	8301.9	8754.5	8962.2	8610.8	8131.5	7796.0	7678.9	7753.4
40°	8584.1	8610.8	8711.9	9026.1	9532.0	9670.5	9148.6	8887.7	8594.8	8536.2	8626.7
42.5°	9382.9	9366.9	9441.5	9723.7	10091.1	9995.3	9686.4	9532.0	9324.3	9207.2	9329.6
45°	9968.7	9942.0	10080.5	10272.2	10405.3	10224.3	10085.8	10032.6	9926.1	9798.3	9910.1
47.5°	10538.5	10517.1	10650.3	10703.5	10714.2	10474.5	10501.2	10597.0	10330.8	10064.5	10192.3
50°	11023.0	10985.8	11150.8	11268.0	11241.4	10858.0	10953.8	10858.0	10442.6	10128.4	10080.5
52.5°	11832.5	11848.4	12024.2	12237.2	12173.3	11853.8	11715.3	11278.6	10746.1	10463.9	10298.8
55°	12343.7	12263.8	12567.3	13243.6	13318.2	12988.0	12375.6	11731.3	10932.5	10586.4	10543.8
56°	11864.4	11965.6	12444.9	13201.0	13584.4	13280.9	12391.6	11619.5	10740.8	10272.2	10240.2
57.5°	10645.0	10591.7	11241.4	12274.4	13318.2	13190.4	11954.9	10820.7	9798.3	9271.1	9207.2
60°	6624.5	6778.9	7348.7	8626.7	10021.9	10085.8	8861.0	7886.5	6693.7	6225.1	6336.9
62.5°	2593.3	2460.2	2817.0	3770.2	4728.7	4941.7	4478.4	3722.3	3056.6	2593.3	2561.4
65°	601.7	585.8	660.3	910.6	1272.7	1475.1	1400.5	1006.5	740.2	702.9	649.7
67.5°	340.8	340.8	324.8	324.8	356.8	378.1	362.1	356.8	372.8	388.7	383.4
70°	239.6	234.3	223.7	229.0	218.3	218.3	234.3	260.9	282.2	282.2	287.6
72.5°	143.8	143.8	143.8	159.8	159.8	159.8	175.7	197.0	202.4	197.0	191.7
75°	63.9	63.9	74.6	90.5	101.2	106.5	122.5	133.1	143.8	133.1	122.5
77.5°	16.0	16.0	26.6	37.3	47.9	58.6	79.9	95.9	101.2	95.9	79.9
80°	5.3	5.3	10.7	26.6	47.9	58.6	79.9	85.2	90.5	79.9	63.9
82.5°	5.3	5.3	10.7	26.6	37.3	47.9	63.9	74.6	79.9	69.2	63.9
85°	0.0	5.3	10.7	21.3	32.0	42.6	42.6	32.0	26.6	16.0	21.3
87.5°	0.0	0.0	5.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)