

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: P532875

Luminaire Tested: **GALN-SA8B-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532875
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-SA8B-735-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

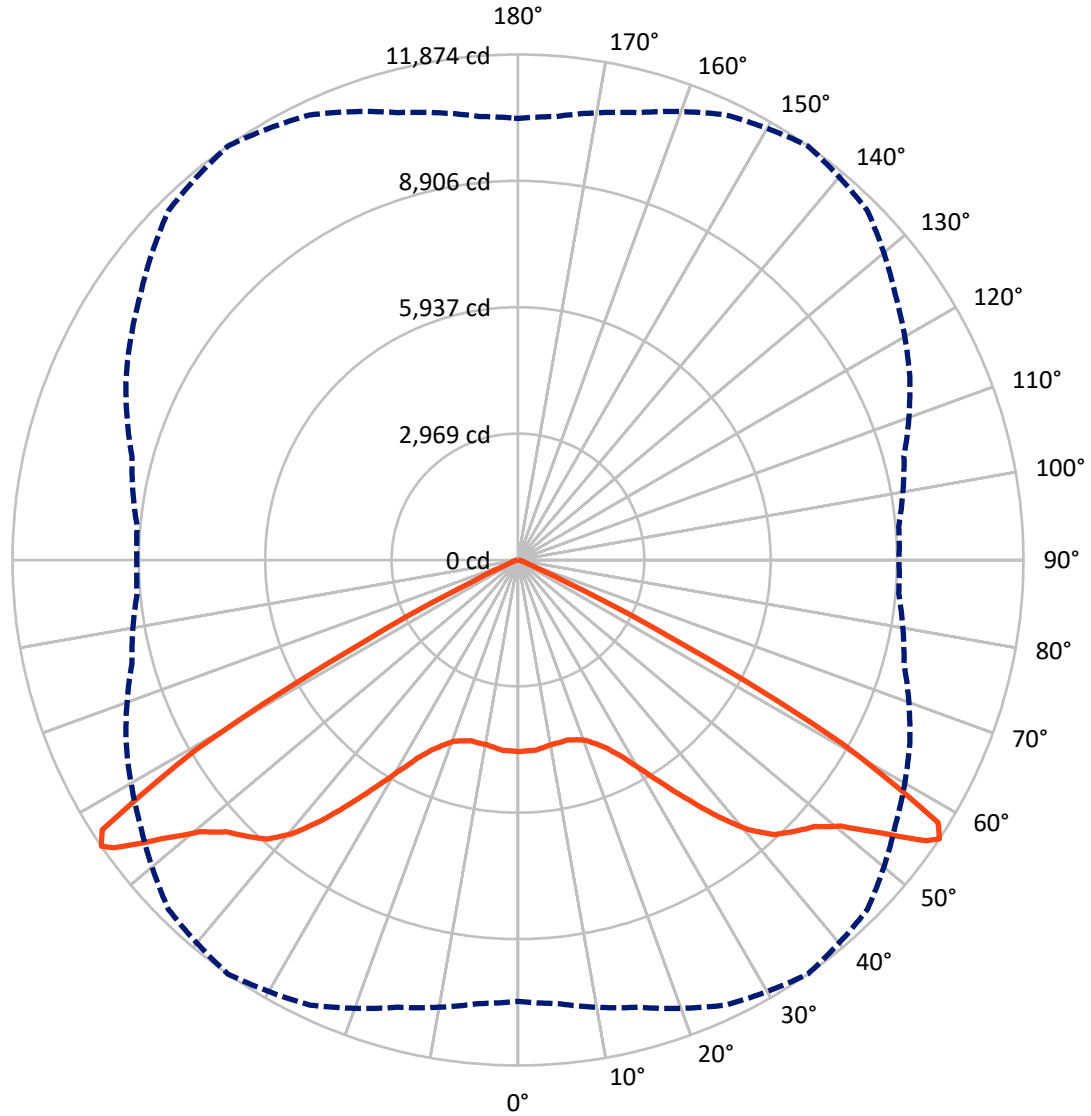
Lumens per Lamp: N/A
Luminaire Lumens: 25688 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 325
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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Luminous Intensity Polar Plot



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

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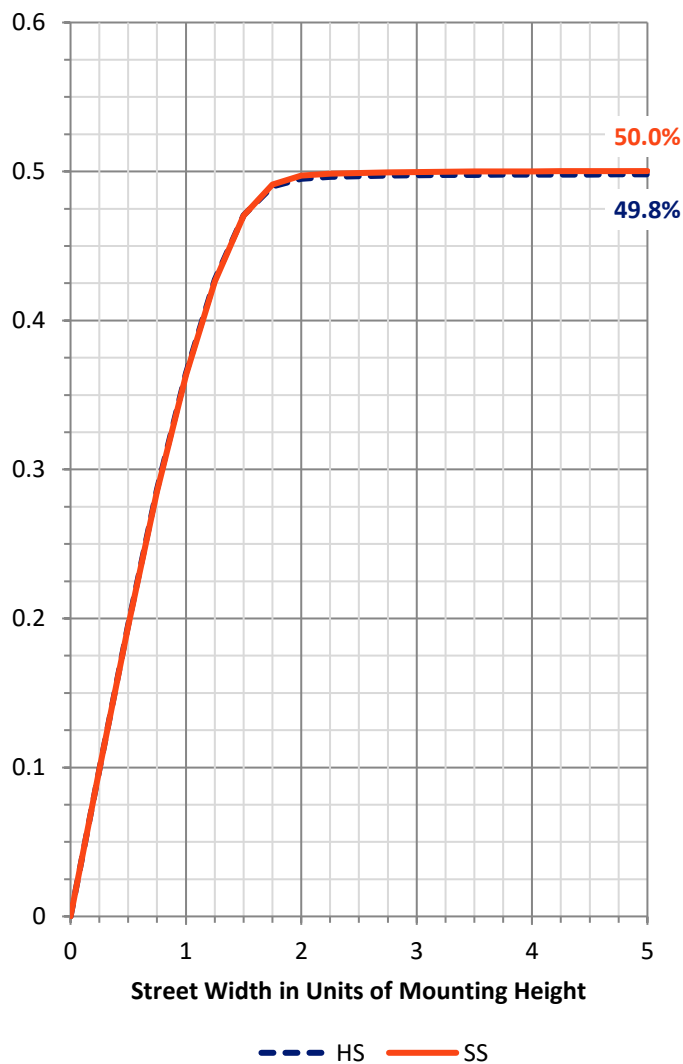
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12844.0	0.0	12844.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12844.0	0.0	12844.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25688.0	0.0	25688.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.0	1.6
10°-20°	1235.1	4.8
20°-30°	2236.5	8.7
30°-40°	4147.3	16.1
40°-50°	6807.5	26.5
50°-60°	8770.1	34.1
60°-70°	1932.8	7.5
70°-80°	112.1	0.4
80°-90°	23.6	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°	25688.0	100.0
0°-180°	25688.0	100.0

Coefficient of Utilization



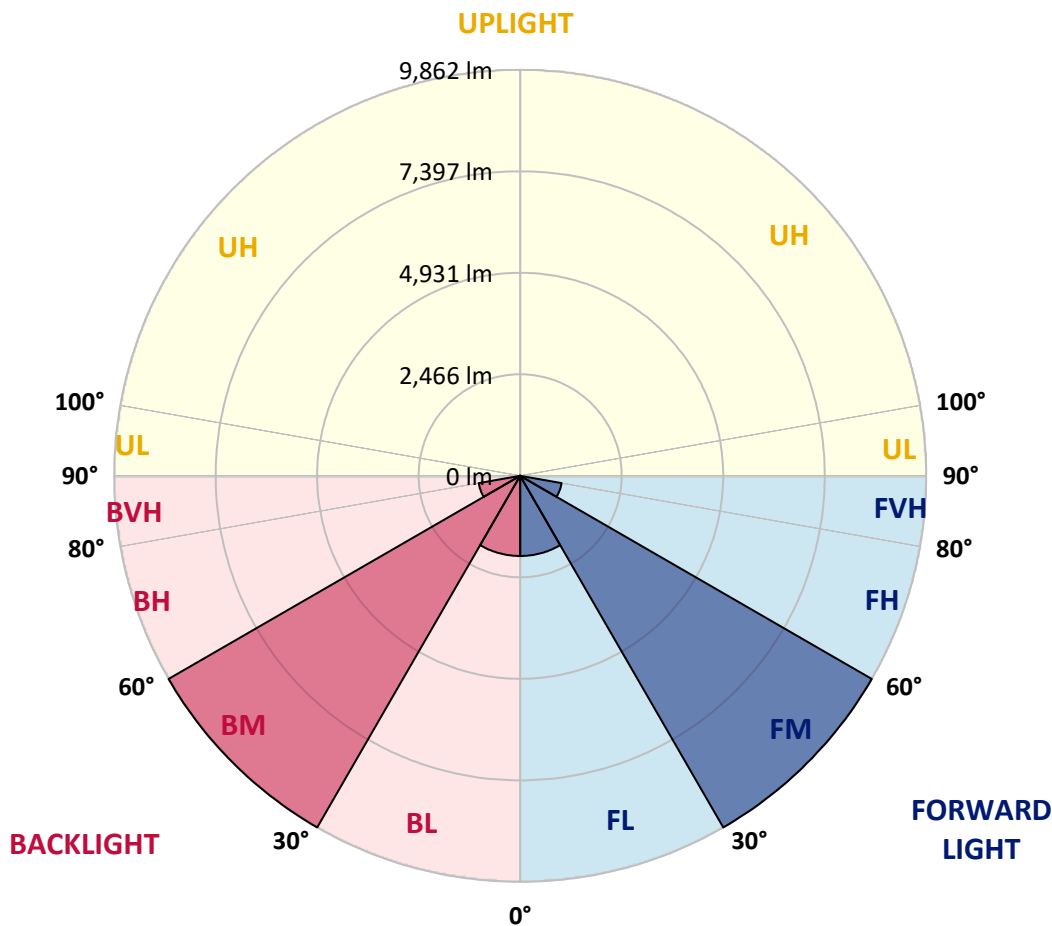
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1947.3	7.6			
FM (30°-60°)	9862.4	38.4			
FH (60°-80°)	1022.5	4.0			G1/1800
FVH (80°-90°)	11.8	0.0			G1/100
BL (0°-30°)	1947.3	7.6	B3/2500		
BM (30°-60°)	9862.4	38.4	B5		
BH (60°-80°)	1022.5	4.0	B3/2500		G1/1800
BVH (80°-90°)	11.8	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°	4501.1	4501.1	4501.1	4501.1	4501.1	4501.1	4501.1	4501.1	4501.1	4501.1	4501.1
2.5°	4510.4	4510.4	4515.1	4519.7	4487.1	4473.2	4477.8	4468.5	4463.9	4477.8	4477.8
5°	4496.4	4496.4	4482.5	4487.1	4487.1	4445.2	4445.2	4454.5	4454.5	4426.6	4417.3
7.5°	4459.2	4449.9	4431.3	4454.5	4440.6	4440.6	4408.0	4384.7	4375.4	4394.0	4375.4
10°	4380.1	4384.7	4403.3	4412.7	4403.3	4431.3	4375.4	4342.8	4310.2	4296.3	4296.3
12.5°	4342.8	4370.8	4342.8	4366.1	4398.7	4375.4	4342.8	4319.6	4273.0	4254.4	4254.4
15°	4338.2	4356.8	4366.1	4398.7	4384.7	4394.0	4328.9	4300.9	4231.1	4198.5	4184.6
17.5°	4333.5	4356.8	4370.8	4431.3	4440.6	4445.2	4394.0	4310.2	4249.7	4217.2	4184.6
20°	4384.7	4394.0	4422.0	4482.5	4519.7	4584.9	4491.8	4403.3	4273.0	4235.8	4221.8
22.5°	4449.9	4496.4	4524.4	4589.5	4687.3	4743.1	4622.1	4510.4	4375.4	4328.9	4273.0
25°	4659.3	4650.0	4696.6	4831.6	4910.7	4952.6	4854.8	4691.9	4515.1	4459.2	4468.5
27.5°	4920.0	4929.3	4971.2	5120.2	5236.5	5301.7	5185.3	4971.2	4799.0	4705.9	4696.6
30°	5259.8	5250.5	5297.0	5497.2	5706.7	5804.4	5599.6	5348.2	5180.7	5059.7	5087.6
32.5°	5618.2	5622.9	5753.2	5934.7	6274.5	6465.4	6134.9	5827.7	5576.3	5492.5	5450.6
35°	6148.9	6172.1	6274.5	6553.8	6930.8	7177.5	6814.5	6446.8	6158.2	6004.6	6023.2
37.5°	6805.2	6781.9	6954.1	7256.7	7652.3	7833.9	7526.6	7107.7	6814.5	6712.1	6777.2
40°	7503.4	7526.6	7615.1	7889.7	8331.9	8452.9	7996.8	7768.7	7512.7	7461.5	7540.6
42.5°	8201.6	8187.6	8252.8	8499.5	8820.6	8736.9	8466.9	8331.9	8150.4	8048.0	8155.0
45°	8713.6	8690.3	8811.3	8978.9	9095.3	8937.0	8816.0	8769.4	8676.4	8564.6	8662.4
47.5°	9211.6	9193.0	9309.4	9355.9	9365.2	9155.8	9179.1	9262.8	9030.1	8797.4	8909.1
50°	9635.2	9602.6	9746.9	9849.3	9826.1	9490.9	9574.7	9490.9	9127.9	8853.2	8811.3
52.5°	10342.7	10356.7	10510.3	10696.5	10640.6	10361.4	10240.3	9858.6	9393.2	9146.5	9002.2
55°	10789.6	10719.8	10985.1	11576.2	11641.4	11352.8	10817.5	10254.3	9556.1	9253.5	9216.3
56°	10370.7	10459.1	10878.0	11539.0	11874.1	11608.8	10831.5	10156.5	9388.5	8978.9	8951.0
57.5°	9304.7	9258.2	9826.1	10729.1	11641.4	11529.7	10449.8	9458.3	8564.6	8103.8	8048.0
60°	5790.4	5925.4	6423.5	7540.6	8760.1	8816.0	7745.4	6893.6	5851.0	5441.3	5539.1
62.5°	2266.8	2150.5	2462.3	3295.5	4133.4	4319.6	3914.6	3253.6	2671.8	2266.8	2238.9
65°	526.0	512.0	577.2	796.0	1112.5	1289.4	1224.2	879.7	647.0	614.4	567.9
67.5°	297.9	297.9	283.9	283.9	311.9	330.5	316.5	311.9	325.8	339.8	335.1
70°	209.5	204.8	195.5	200.2	190.8	190.8	204.8	228.1	246.7	246.7	251.4
72.5°	125.7	125.7	125.7	139.6	139.6	139.6	153.6	172.2	176.9	172.2	167.6
75°	55.9	55.9	65.2	79.1	88.4	93.1	107.1	116.4	125.7	116.4	107.1
77.5°	14.0	14.0	23.3	32.6	41.9	51.2	69.8	83.8	88.4	83.8	69.8
80°	4.7	4.7	9.3	23.3	41.9	51.2	69.8	74.5	79.1	69.8	55.9
82.5°	4.7	4.7	9.3	23.3	32.6	41.9	55.9	65.2	69.8	60.5	55.9
85°	0.0	4.7	9.3	18.6	27.9	37.2	37.2	27.9	23.3	14.0	18.6
87.5°	0.0	0.0	4.7	4.7	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)