

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: P533656

Luminaire Tested: **GALN-SA9A-760-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533656
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9A-760-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36593 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

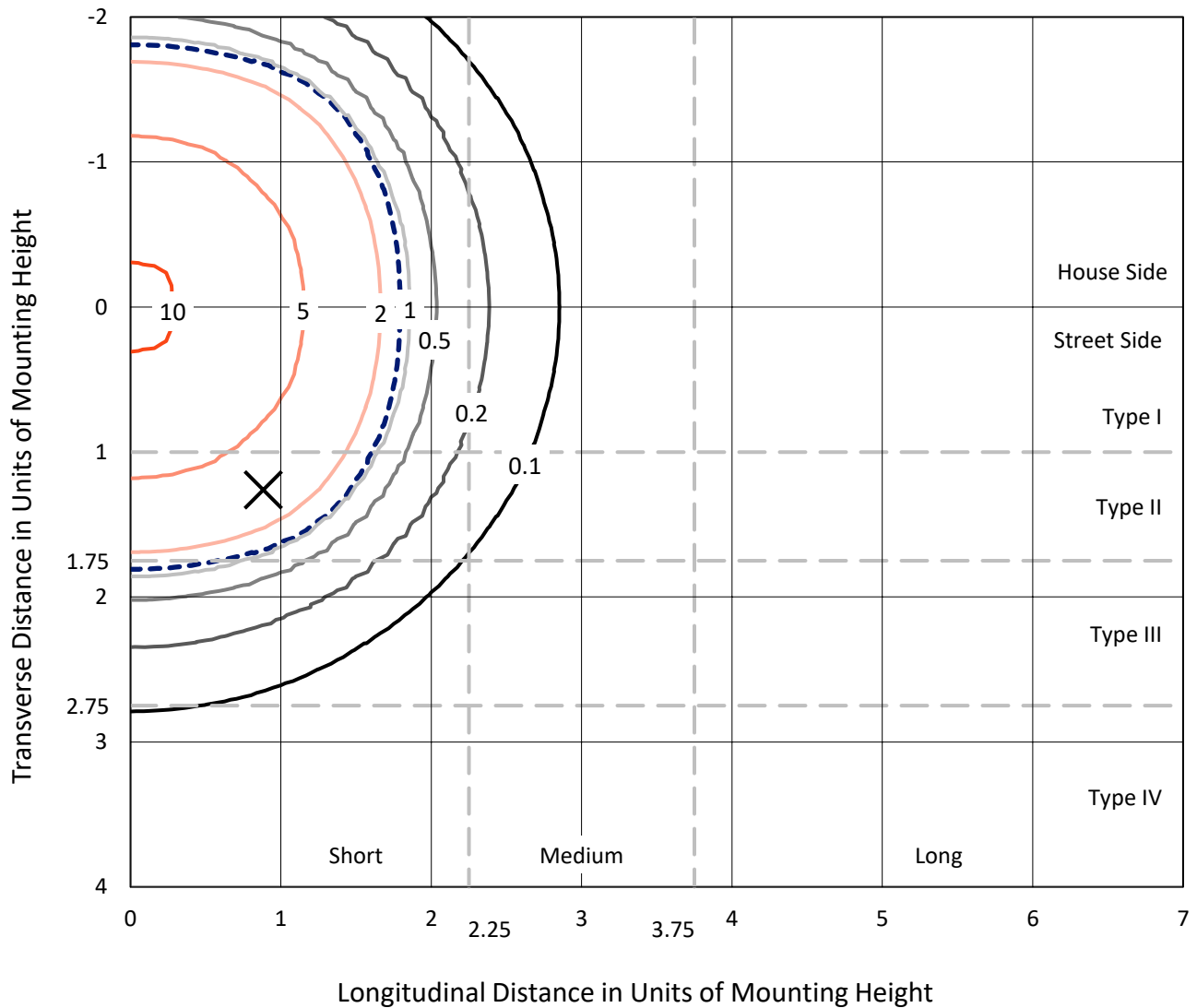
Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

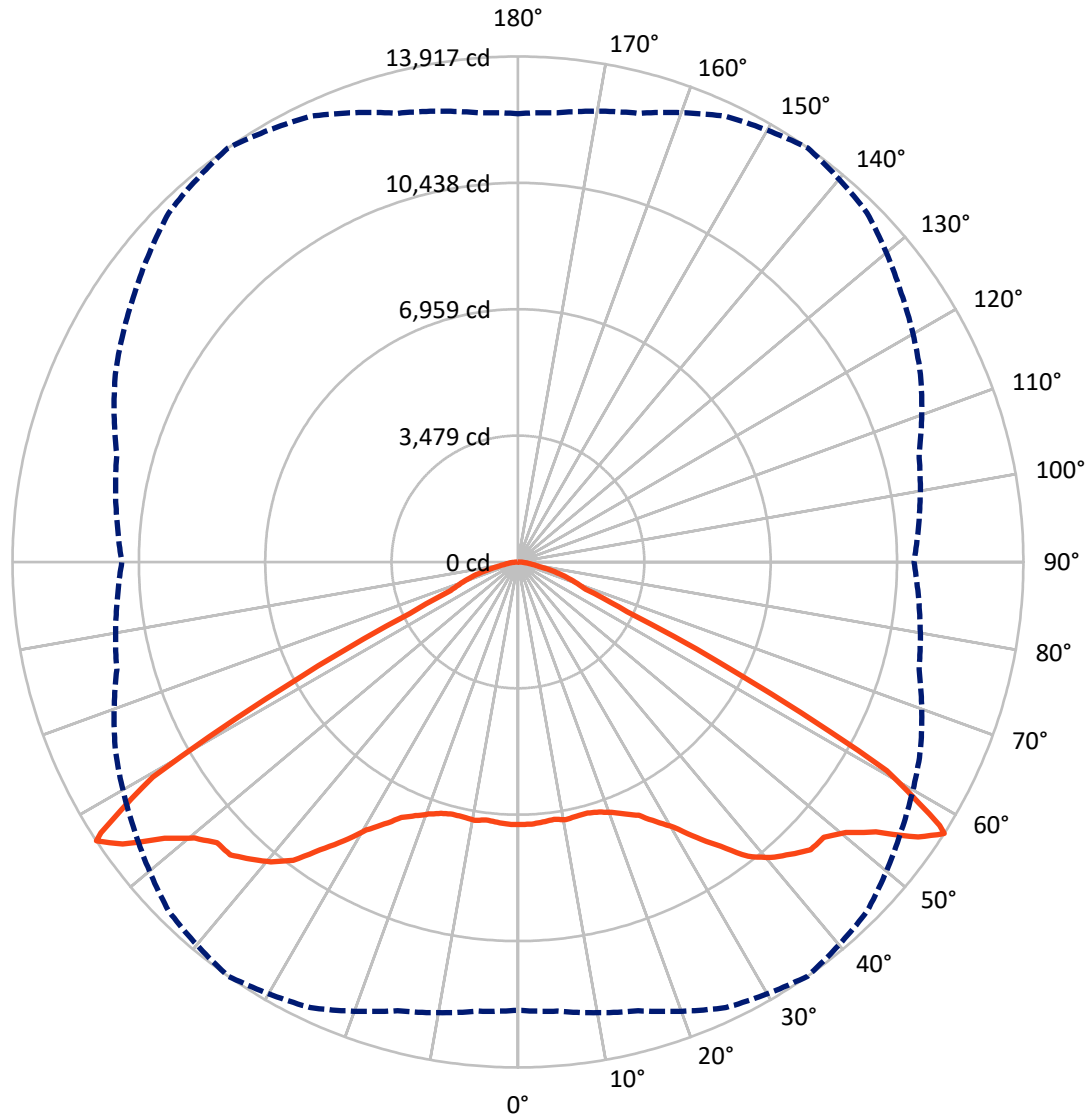
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18296.5	0.0	18296.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18296.5	0.0	18296.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36593.0	0.0	36593.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	685.1	1.9
10°-20°	2029.2	5.5
20°-30°	3543.9	9.7
30°-40°	5806.8	15.9
40°-50°	8514.2	23.3
50°-60°	10724.2	29.3
60°-70°	4033.3	11.0
70°-80°	1072.4	2.9
80°-90°	183.9	0.5
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°	36593.0	100.0
0°-180°	36593.0	100.0

Coefficient of Utilization

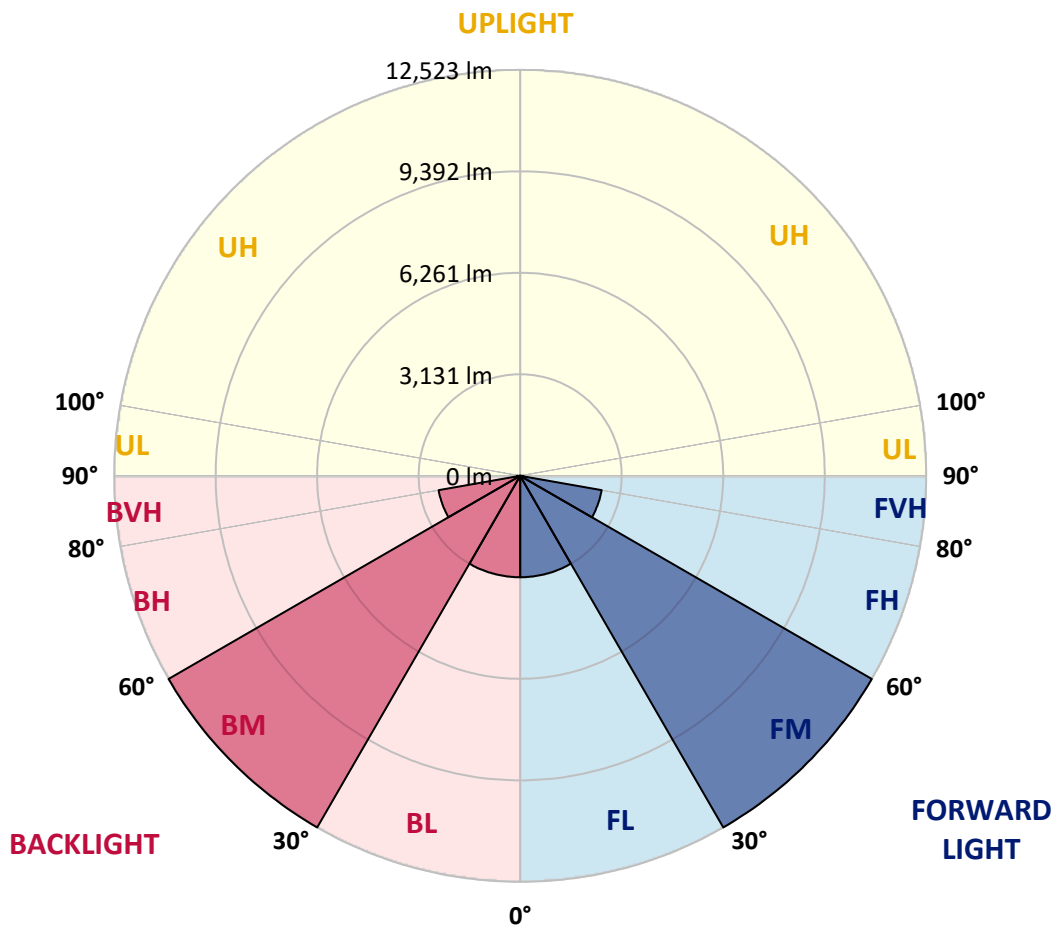


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3129.1	8.6			
FM (30°-60°)	12522.6	34.2			
FH (60°-80°)	2552.9	7.0			G2/5000
FVH (80°-90°)	91.9	0.3			G1/100
BL (0°-30°)	3129.1	8.6	B4/5000		
BM (30°-60°)	12522.6	34.2	B5		
BH (60°-80°)	2552.9	7.0	B4/5000		G2/5000
BVH (80°-90°)	91.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7226.8	7226.8	7226.8	7226.8	7226.8	7226.8	7226.8	7226.8	7226.8	7226.8	7226.8
2.5°	7190.8	7262.9	7231.4	7213.3	7226.8	7204.3	7168.2	7208.8	7199.8	7163.7	7150.2
5°	7172.7	7226.8	7190.8	7226.8	7190.8	7253.9	7235.9	7168.2	7249.4	7172.7	7199.8
7.5°	7159.2	7177.3	7186.3	7168.2	7154.7	7231.4	7190.8	7159.2	7114.1	7100.6	7123.2
10°	7127.7	7172.7	7105.1	7195.3	7213.3	7159.2	7159.2	7100.6	7064.5	7042.0	7118.6
12.5°	7208.8	7132.2	7123.2	7168.2	7181.8	7204.3	7141.2	7109.6	7042.0	7051.0	7037.5
15°	7114.1	7145.7	7150.2	7159.2	7172.7	7226.8	7168.2	7100.6	7073.6	6978.9	6987.9
17.5°	7150.2	7118.6	7150.2	7253.9	7235.9	7276.4	7213.3	7109.6	7046.5	6992.4	7064.5
20°	7213.3	7199.8	7213.3	7339.6	7362.1	7398.2	7344.1	7249.4	7127.7	7064.5	7100.6
22.5°	7280.9	7271.9	7280.9	7402.7	7533.4	7578.5	7524.4	7303.5	7240.4	7123.2	7082.6
25°	7402.7	7411.7	7506.4	7641.6	7727.3	7812.9	7713.7	7556.0	7353.1	7280.9	7195.3
27.5°	7673.2	7695.7	7749.8	7948.2	8097.0	8173.6	8033.8	7817.4	7691.2	7542.4	7519.9
30°	8006.8	8006.8	8101.5	8272.8	8475.7	8592.9	8421.6	8164.6	8011.3	7930.1	7880.6
32.5°	8448.6	8399.0	8435.1	8737.1	9052.7	9151.9	8922.0	8606.4	8362.9	8254.7	8218.7
35°	8827.3	8858.9	8940.0	9264.6	9616.3	9846.2	9485.5	9075.3	8827.3	8728.1	8710.1
37.5°	9318.7	9372.8	9413.4	9859.7	10283.5	10369.2	10022.0	9692.9	9390.8	9309.7	9264.6
40°	10013.0	9976.9	9990.5	10319.6	10702.8	10756.9	10414.2	10179.8	9931.8	9882.3	9882.3
42.5°	10585.6	10545.0	10590.1	10711.8	11004.8	10964.3	10774.9	10603.6	10499.9	10445.8	10499.9
45°	10932.7	10923.7	11004.8	11095.0	11302.4	11167.1	11018.4	11045.4	10946.2	10856.1	10851.5
47.5°	11311.4	11252.8	11352.0	11487.2	11329.4	11266.3	11257.3	11315.9	11284.3	11126.6	11077.0
50°	11496.2	11473.7	11631.5	11789.3	11703.6	11559.3	11590.9	11685.6	11279.8	11067.9	10946.2
52.5°	11992.1	11996.7	12298.7	12384.4	12348.3	12136.4	12204.0	11947.1	11469.2	11171.6	11185.2
55°	12772.1	12740.5	13078.7	13331.1	13371.7	13101.2	12776.6	12415.9	11816.3	11514.3	11424.1
57°	12343.8	12415.9	12790.1	13538.5	13917.2	13597.1	12889.3	12231.1	11433.1	11067.9	10905.6
57.5°	11771.2	11888.5	12537.7	13290.5	13687.3	13660.2	12749.5	11888.5	11176.1	10608.1	10621.6
60°	8624.4	8647.0	9233.1	10427.8	11667.5	11694.6	10585.6	9444.9	8651.5	8033.8	8119.5
62.5°	4548.9	4652.6	4887.0	5847.3	6920.3	7181.8	6510.0	5923.9	5238.7	4769.8	4814.9
65°	2407.4	2393.9	2506.6	2777.1	3304.6	3439.9	3349.7	2885.3	2646.4	2569.7	2574.3
67.5°	1956.6	1979.2	1965.6	1979.2	2015.2	2073.8	2060.3	2078.3	2091.9	2114.4	2109.9
70°	1659.1	1659.1	1668.1	1672.6	1672.6	1699.6	1731.2	1789.8	1794.3	1816.9	1825.9
72.5°	1307.4	1298.4	1311.9	1343.5	1348.0	1370.5	1415.6	1451.7	1465.2	1465.2	1438.2
75°	888.1	897.2	915.2	942.2	969.3	1009.9	1045.9	1068.5	1077.5	1064.0	1050.4
77.5°	500.4	509.4	523.0	563.5	595.1	631.2	671.7	694.3	716.8	721.3	694.3
80°	297.5	297.5	320.1	351.6	387.7	423.8	459.8	486.9	495.9	495.9	482.4
82.5°	180.3	184.8	202.9	234.4	266.0	288.5	320.1	342.6	360.7	356.2	347.1
85°	94.7	94.7	112.7	139.8	162.3	184.8	184.8	171.3	162.3	139.8	130.7
87.5°	31.6	27.0	36.1	36.1	31.6	36.1	36.1	40.6	40.6	40.6	40.6
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)