

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: P532646

Luminaire Tested: **GALN-SA8A-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532646
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8A-735-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29184 lumens
Efficiency: N/A
Efficacy: 119.6 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

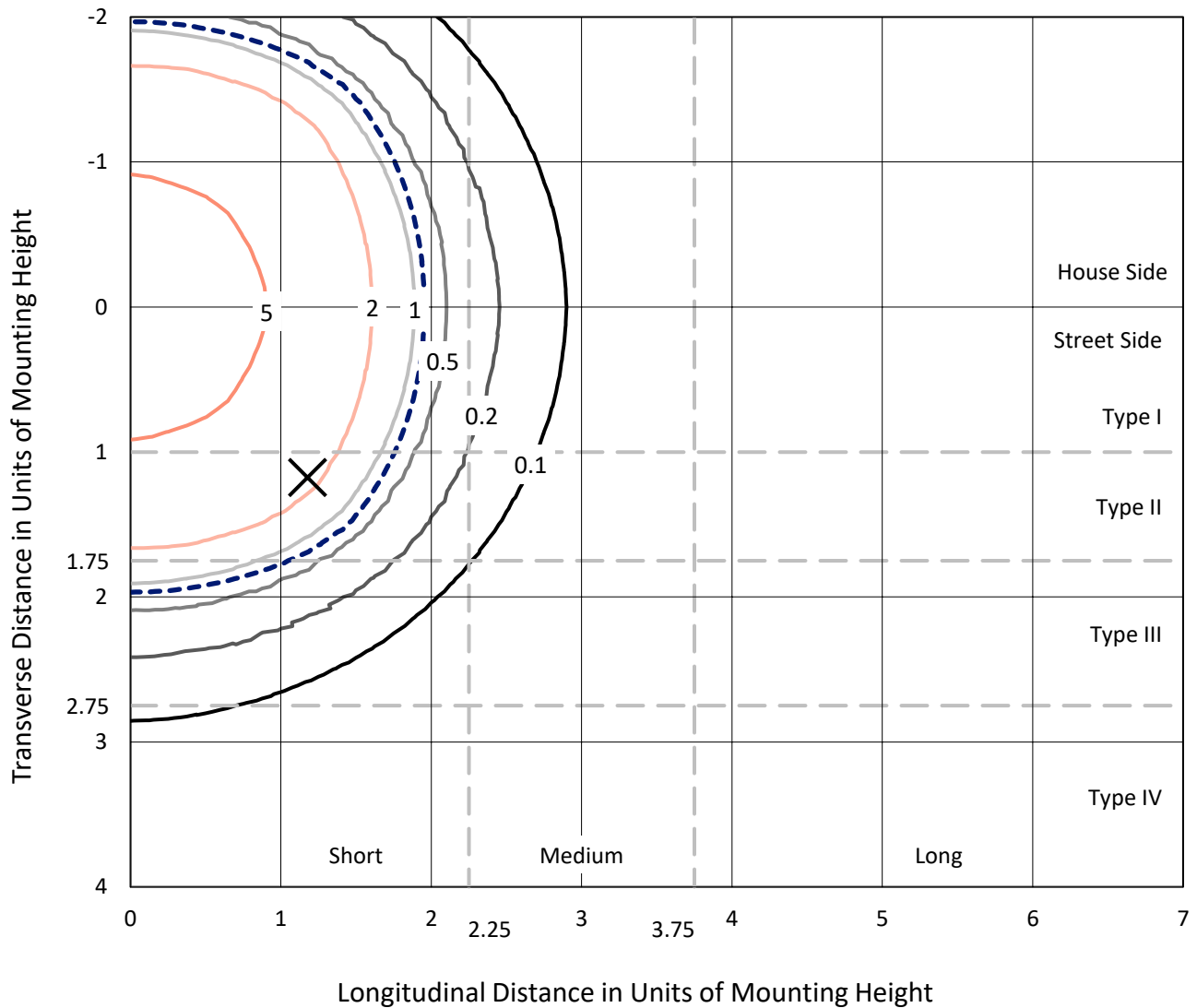
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

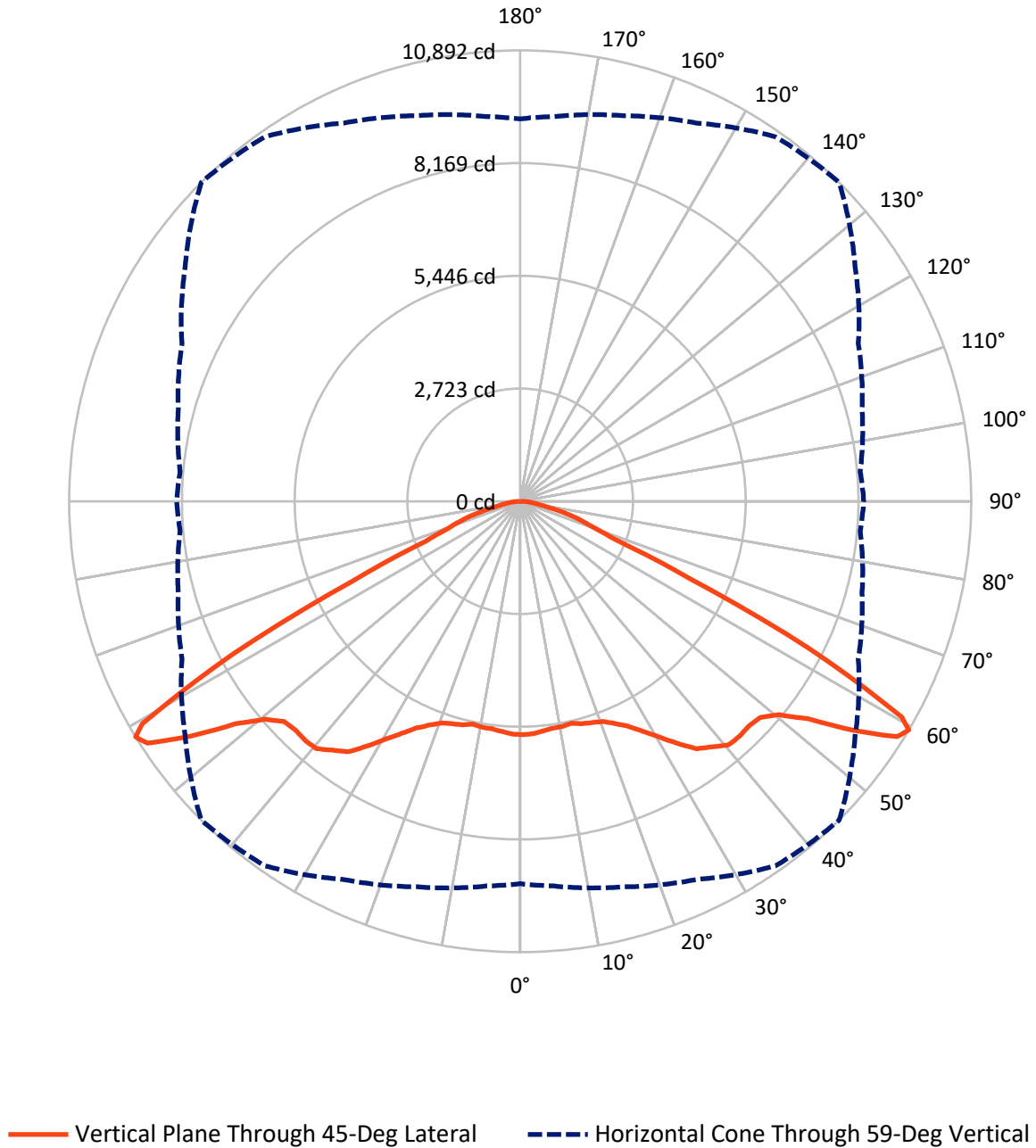
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14592.0	0.0	14592.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14592.0	0.0	14592.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29184.0	0.0	29184.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.4	1.8
10°-20°	1580.2	5.4
20°-30°	2759.3	9.5
30°-40°	4407.0	15.1
40°-50°	6003.2	20.6
50°-60°	8117.9	27.8
60°-70°	4451.9	15.3
70°-80°	1138.9	3.9
80°-90°	194.2	0.7
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°	29184.0	100.0
0°-180°	29184.0	100.0

Coefficient of Utilization



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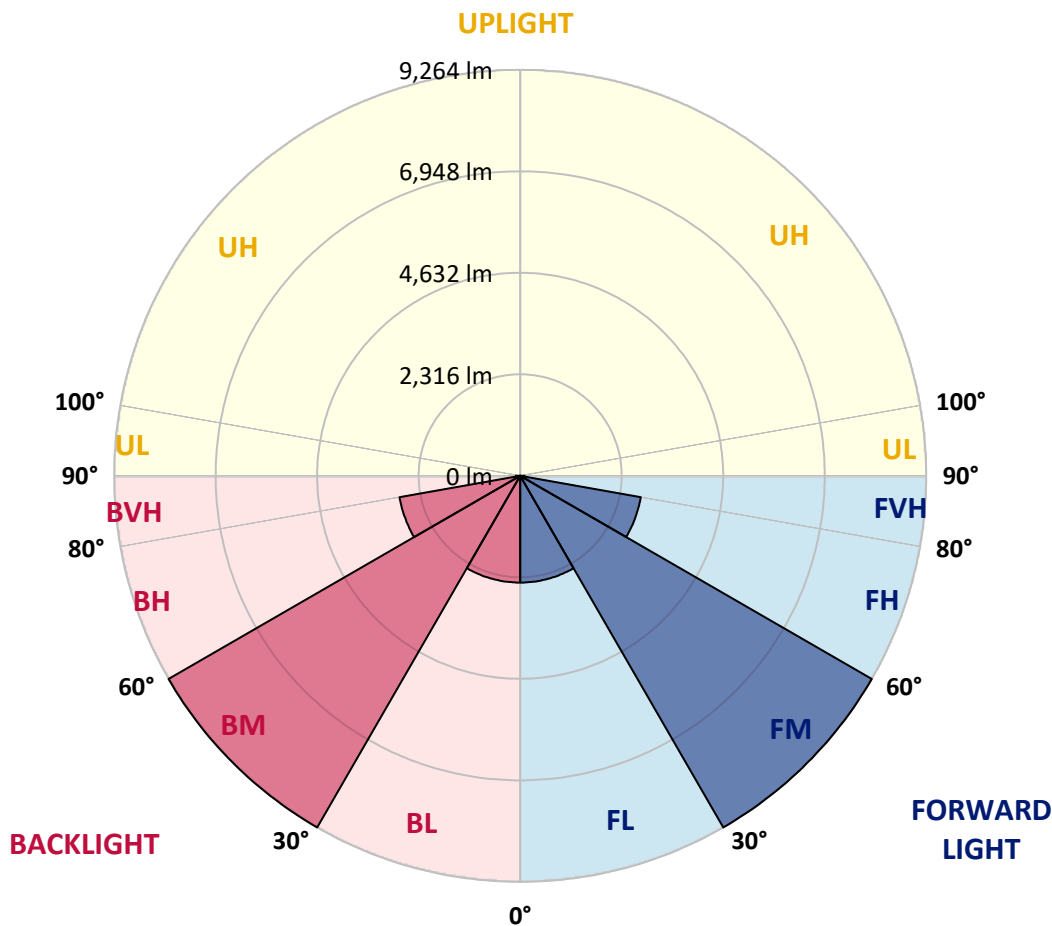
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2435.5	8.3			
FM (30°-60°)	9264.0	31.7			
FH (60°-80°)	2795.4	9.6			G2/5000
FVH (80°-90°)	97.1	0.3			G1/100
BL (0°-30°)	2435.5	8.3	B3/2500		
BM (30°-60°)	9264.0	31.7	B5		
BH (60°-80°)	2795.4	9.6	B4/5000		G2/5000
BVH (80°-90°)	97.1	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°	5637.0	5637.0	5637.0	5637.0	5637.0	5637.0	5637.0	5637.0	5637.0	5637.0	5637.0
2.5°	5603.3	5644.4	5614.5	5640.7	5637.0	5625.7	5607.0	5595.8	5580.8	5603.3	5565.9
5°	5580.8	5614.5	5648.2	5603.3	5603.3	5580.8	5569.6	5547.2	5547.2	5543.4	5539.7
7.5°	5618.3	5584.6	5569.6	5577.1	5584.6	5536.0	5569.6	5524.7	5487.3	5513.5	5543.4
10°	5584.6	5599.5	5543.4	5569.6	5528.5	5536.0	5513.5	5543.4	5502.3	5502.3	5502.3
12.5°	5618.3	5577.1	5595.8	5577.1	5565.9	5502.3	5532.2	5498.6	5494.8	5532.2	5498.6
15°	5685.6	5618.3	5603.3	5565.9	5577.1	5577.1	5547.2	5550.9	5509.8	5532.2	5539.7
17.5°	5663.1	5625.7	5614.5	5569.6	5607.0	5618.3	5562.1	5524.7	5550.9	5547.2	5543.4
20°	5681.8	5696.8	5685.6	5693.1	5708.0	5678.1	5625.7	5573.4	5539.7	5588.3	5584.6
22.5°	5801.5	5786.6	5779.1	5771.6	5797.8	5827.7	5756.6	5674.4	5674.4	5708.0	5723.0
25°	5898.8	5895.0	5891.3	5925.0	6014.7	6014.7	5925.0	5820.2	5794.1	5816.5	5797.8
27.5°	6040.9	6082.1	6067.1	6127.0	6257.9	6287.8	6168.1	6044.7	5973.6	5947.4	5981.1
30°	6366.4	6317.7	6328.9	6392.5	6508.5	6605.7	6422.5	6291.5	6194.3	6190.5	6205.5
32.5°	6583.3	6620.7	6654.4	6714.2	6897.5	6972.3	6751.6	6538.4	6478.6	6444.9	6456.1
35°	7017.2	6983.5	6976.1	7035.9	7219.2	7342.6	7065.8	6878.8	6800.3	6875.1	6875.1
37.5°	7428.7	7335.1	7264.1	7342.6	7511.0	7525.9	7290.3	7189.3	7148.1	7234.2	7230.4
40°	7623.2	7615.7	7451.1	7496.0	7720.4	7742.9	7522.2	7402.5	7395.0	7507.2	7619.4
42.5°	7825.2	7754.1	7589.5	7619.4	7757.8	7765.3	7555.8	7522.2	7604.5	7712.9	7720.4
45°	7858.8	7799.0	7694.2	7619.4	7720.4	7742.9	7619.4	7641.9	7649.3	7780.3	7780.3
47.5°	7926.1	7918.7	7858.8	7802.7	7821.4	7802.7	7724.2	7757.8	7870.0	7933.6	7903.7
50°	8113.2	8034.6	8094.5	8045.8	8049.6	8102.0	8030.9	8064.5	8042.1	7986.0	7948.6
52.5°	8524.6	8487.2	8539.6	8573.3	8610.7	8730.4	8648.1	8468.5	8300.2	8150.6	8146.8
55°	9126.9	9153.0	9254.0	9426.1	9572.0	9762.7	9366.2	8936.1	8666.8	8431.1	8446.1
57.5°	9695.4	9676.7	9815.1	10207.9	10634.3	10731.5	9953.5	9340.1	8902.4	8752.8	8689.2
59°	9239.1	9328.8	9643.0	10080.7	10750.2	10892.4	9875.0	9010.9	8547.1	8244.1	8296.5
60°	8520.9	8554.6	8835.1	9444.8	10350.0	10593.1	9347.5	8502.2	7885.0	7709.2	7787.7
62.5°	6022.2	5996.0	6198.0	6695.5	7507.2	7836.4	6949.9	6355.1	5966.1	5771.6	5816.5
65°	3201.9	3321.6	3403.9	3714.3	4144.5	4492.4	4125.8	3867.7	3650.7	3489.9	3486.2
67.5°	2162.0	2147.1	2165.8	2236.8	2382.7	2480.0	2472.5	2341.6	2322.9	2292.9	2326.6
70°	1821.6	1814.1	1780.5	1780.5	1810.4	1832.9	1859.0	1874.0	1903.9	1941.3	1937.6
72.5°	1477.5	1458.8	1436.4	1425.1	1462.5	1473.8	1507.4	1522.4	1548.6	1544.8	1578.5
75°	976.3	976.3	1002.5	1032.4	1043.6	1066.0	1069.8	1114.7	1114.7	1122.2	1092.2
77.5°	546.1	531.2	549.9	579.8	606.0	647.1	688.3	721.9	740.6	733.1	733.1
80°	317.9	317.9	336.6	370.3	404.0	441.4	471.3	497.5	516.2	508.7	493.7
82.5°	198.2	198.2	216.9	250.6	276.8	299.2	340.4	374.1	396.5	389.0	370.3
85°	101.0	101.0	123.4	145.9	179.5	194.5	190.8	175.8	172.1	153.4	153.4
87.5°	26.2	26.2	37.4	41.1	33.7	37.4	37.4	37.4	37.4	37.4	41.1
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)