

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: P648082

Luminaire Tested: **GALN-SA8A-835-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8A-835-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26044.2 lumens
Efficiency: N/A
Efficacy: 106.7 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

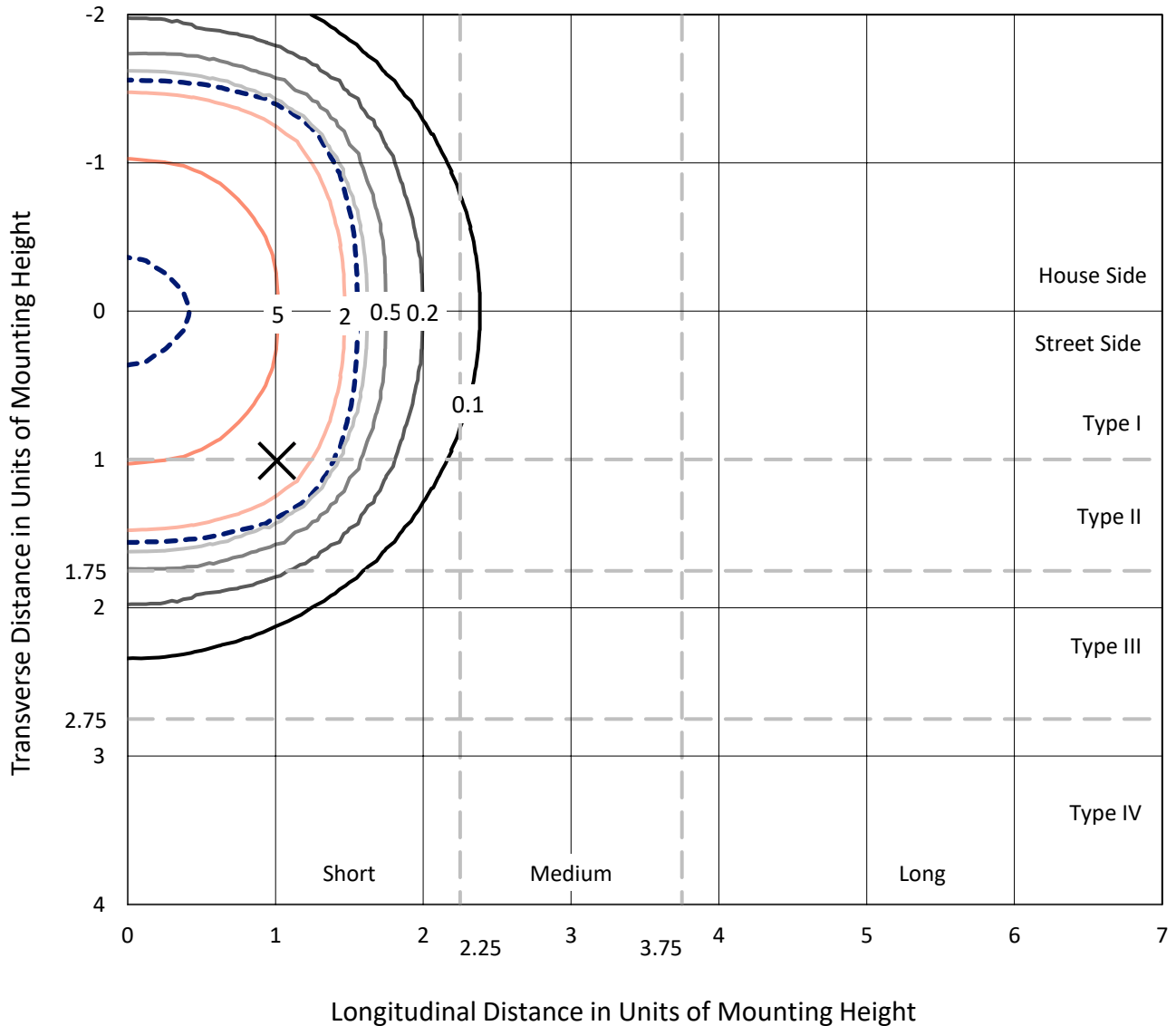
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

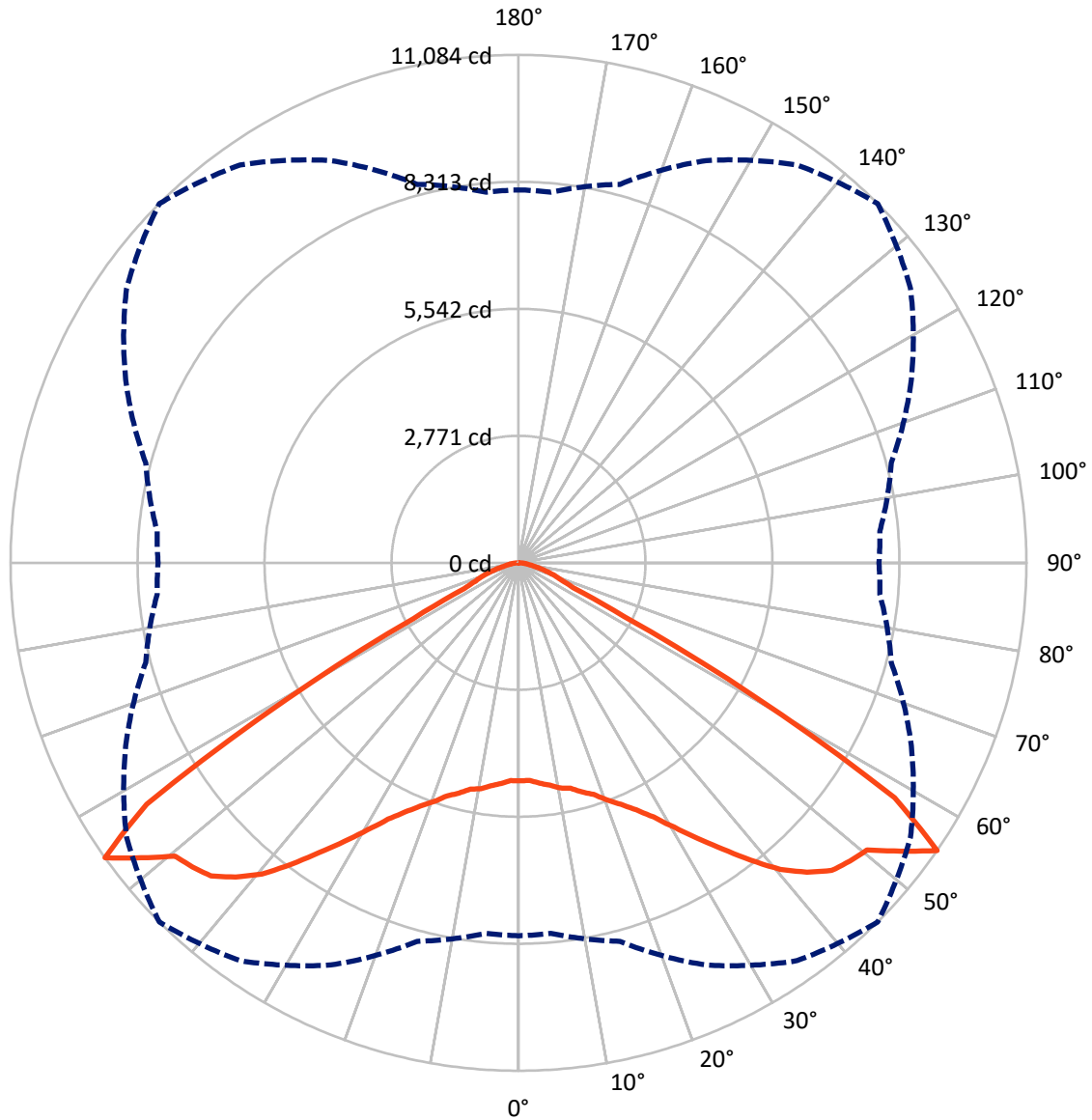
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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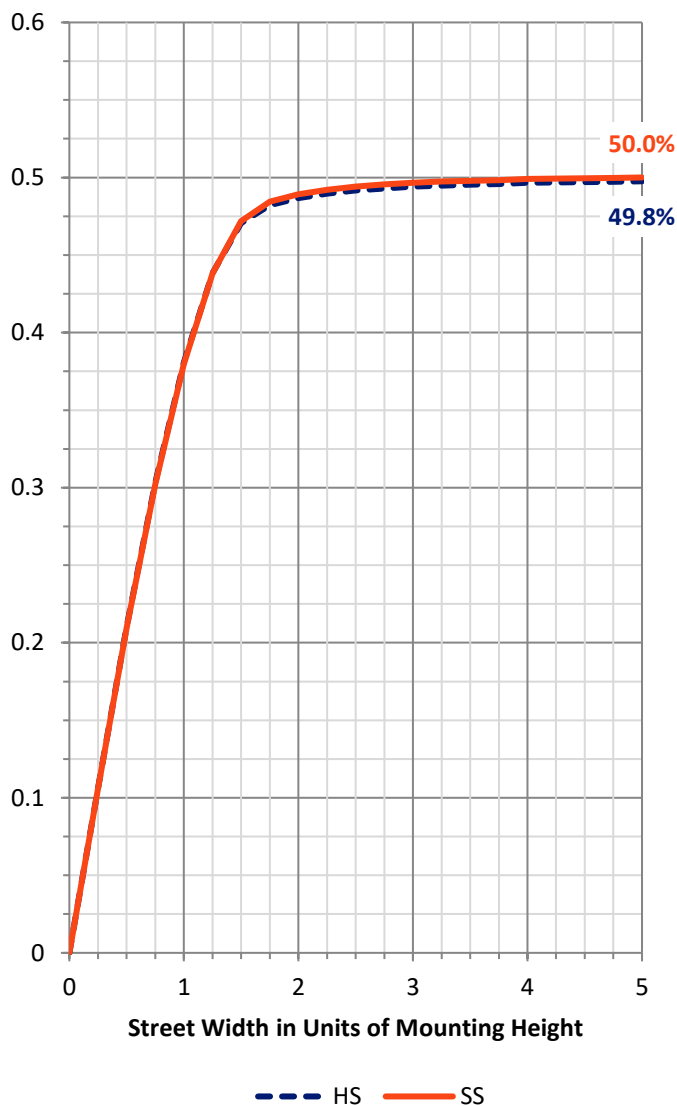
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13022.1	0.0	13022.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13022.1	0.0	13022.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	26044.2	0.0	26044.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.5	1.8
10°-20°	1471.9	5.7
20°-30°	2744.7	10.5
30°-40°	4595.4	17.6
40°-50°	7150.9	27.5
50°-60°	7424.8	28.5
60°-70°	1574.6	6.0
70°-80°	518.6	2.0
80°-90°	98.8	0.4
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°	26044.2	100.0
0°-180°	26044.2	100.0

Coefficient of Utilization



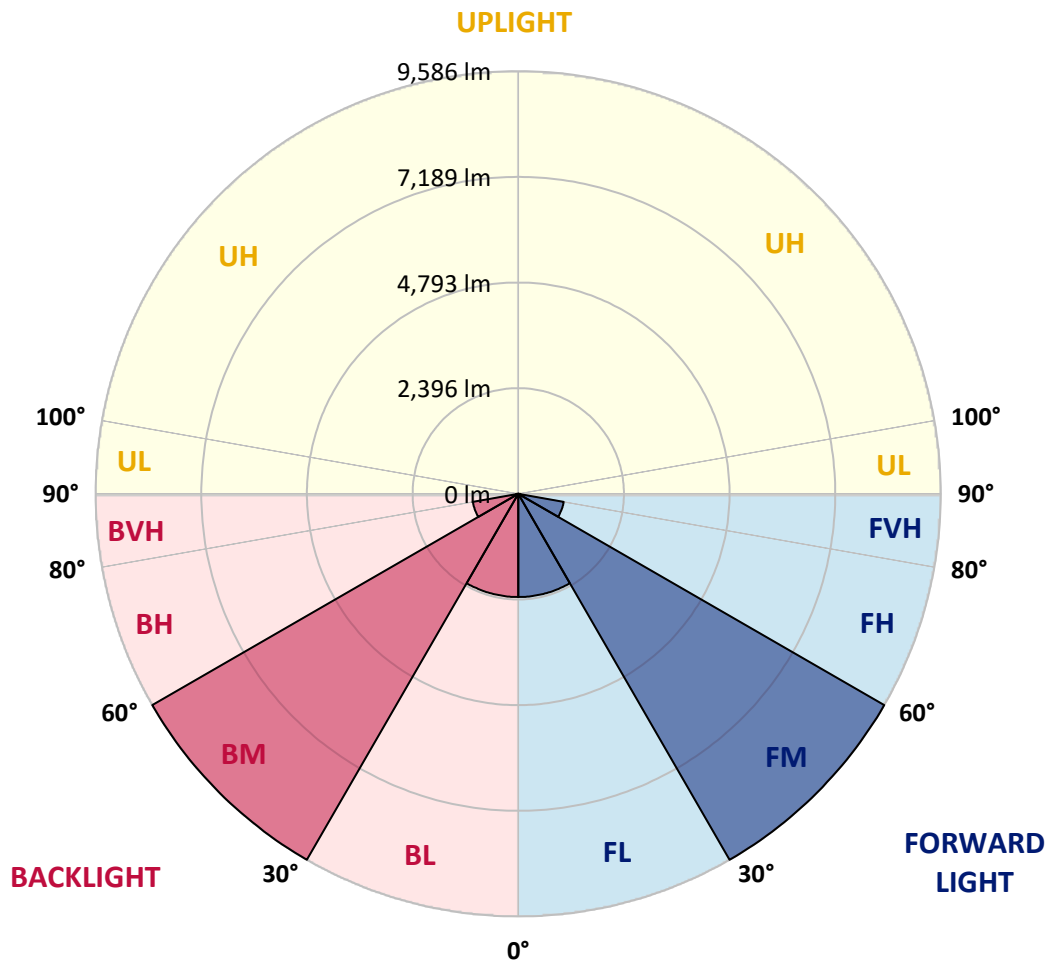
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2340.6	9.0			
FM (30°-60°)	9585.6	36.8			
FH (60°-80°)	1046.6	4.0			G1/1800
FVH (80°-90°)	49.4	0.2			G1/100
BL (0°-30°)	2340.6	9.0	B3/2500		
BM (30°-60°)	9585.6	36.8	B5		
BH (60°-80°)	1046.6	4.0	B3/2500		G1/1800
BVH (80°-90°)	49.4	0.2			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°	4755.2	4755.2	4755.2	4755.2	4755.2	4755.2	4755.2	4755.2	4755.2	4755.2	4755.2
2.5°	4811.9	4789.9	4752.1	4780.4	4802.5	4755.2	4774.2	4783.6	4777.3	4752.1	4761.6
5°	4881.1	4868.5	4837.1	4859.1	4830.8	4830.8	4811.9	4786.7	4824.5	4818.2	4833.9
7.5°	4881.1	4865.4	4928.4	4887.5	4900.0	4900.0	4868.5	4843.4	4862.3	4833.9	4818.2
10°	4978.7	5000.7	4972.4	4981.8	4975.6	4997.6	4950.4	4934.6	4918.9	4909.5	4890.6
12.5°	5095.1	5079.4	5088.9	5082.6	5104.6	5047.9	5019.7	4985.0	5013.3	4972.4	5000.7
15°	5189.6	5180.1	5189.6	5214.8	5192.7	5189.6	5139.2	5104.6	5060.5	5070.0	5025.9
17.5°	5318.6	5309.1	5312.3	5334.3	5331.2	5315.5	5277.7	5211.6	5195.8	5170.7	5142.4
20°	5510.6	5494.9	5488.5	5498.0	5513.7	5526.3	5450.8	5425.6	5372.1	5331.2	5284.0
22.5°	5674.2	5667.9	5693.1	5652.2	5686.9	5724.6	5652.2	5639.6	5507.5	5485.4	5435.0
25°	5900.8	5891.4	5875.6	5935.5	5976.3	5973.2	5904.0	5834.8	5734.0	5708.9	5708.9
27.5°	6140.0	6086.5	6168.3	6184.1	6256.4	6278.5	6218.7	6118.0	6023.5	5970.1	5982.7
30°	6439.0	6388.7	6407.5	6520.8	6615.2	6697.0	6546.0	6398.0	6265.9	6171.4	6155.7
32.5°	6737.9	6687.6	6744.2	6854.4	7043.2	7165.9	7018.0	6760.0	6605.8	6467.3	6495.6
35°	6980.3	7018.0	7109.3	7276.1	7471.2	7669.5	7433.5	7235.2	7014.9	6860.6	6882.7
37.5°	7370.5	7487.0	7559.3	7751.3	8028.3	8232.9	7987.4	7729.3	7493.2	7291.8	7222.6
40°	7880.3	7959.0	8040.9	8267.5	8594.8	8799.3	8566.4	8229.6	7996.8	7789.0	7779.7
42.5°	8440.5	8516.1	8601.0	8878.0	9073.1	9227.3	9013.3	8833.9	8575.9	8412.2	8402.8
45°	9092.0	9038.5	9132.9	9315.4	9479.1	9579.8	9441.3	9353.2	9167.5	9016.5	9000.7
47.5°	9526.3	9479.1	9649.0	9812.6	9837.8	9727.7	9756.0	9837.8	9642.7	9394.1	9472.8
50°	9778.0	9778.0	9891.3	10042.4	9995.2	9853.6	10077.1	10083.3	9888.2	9667.9	9667.9
52.5°	9340.6	9438.1	9759.2	10253.2	10410.6	10451.6	10401.1	10187.1	9677.3	9227.3	9205.3
55°	8138.4	8116.3	8550.7	9683.7	10599.5	11084.1	10442.1	9457.1	8421.6	7915.0	7864.6
57.5°	5293.4	5318.6	5966.9	7121.9	8774.1	9677.3	8594.8	7210.0	5966.9	5268.3	5334.3
60°	2382.4	2467.3	2860.7	3723.0	5142.4	5878.8	5155.0	3911.9	3002.3	2605.8	2640.4
62.5°	1369.0	1384.7	1400.5	1661.7	2190.4	2590.1	2275.3	1756.1	1548.4	1479.2	1479.2
65°	1155.0	1145.5	1148.7	1170.7	1227.4	1309.2	1274.6	1227.4	1233.7	1227.4	1218.0
67.5°	981.9	994.5	985.0	1000.8	1004.0	1016.5	1038.6	1057.4	1060.6	1066.8	1060.6
70°	805.6	808.8	815.1	827.7	830.8	840.3	871.7	887.5	896.9	896.9	909.5
72.5°	616.8	613.7	620.0	632.6	648.3	651.5	679.8	701.8	714.4	698.7	701.8
75°	406.0	409.1	418.6	428.0	450.1	472.1	481.5	503.5	506.7	512.9	497.2
77.5°	242.3	248.6	258.1	276.9	295.8	314.7	336.8	352.5	358.8	352.5	333.6
80°	157.4	157.4	169.9	185.6	207.7	223.5	236.0	248.6	258.1	248.6	242.3
82.5°	97.6	97.6	113.3	132.2	147.9	157.4	176.3	192.0	201.4	195.1	185.6
85°	50.3	53.5	66.1	81.8	94.4	100.7	97.6	88.1	78.7	75.6	69.2
87.5°	15.7	15.7	18.9	18.9	15.7	15.7	18.9	15.7	18.9	18.9	18.9
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)