

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: P647151

Luminaire Tested: **GALN-SA9C-835-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P647151
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9C-835-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52230 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

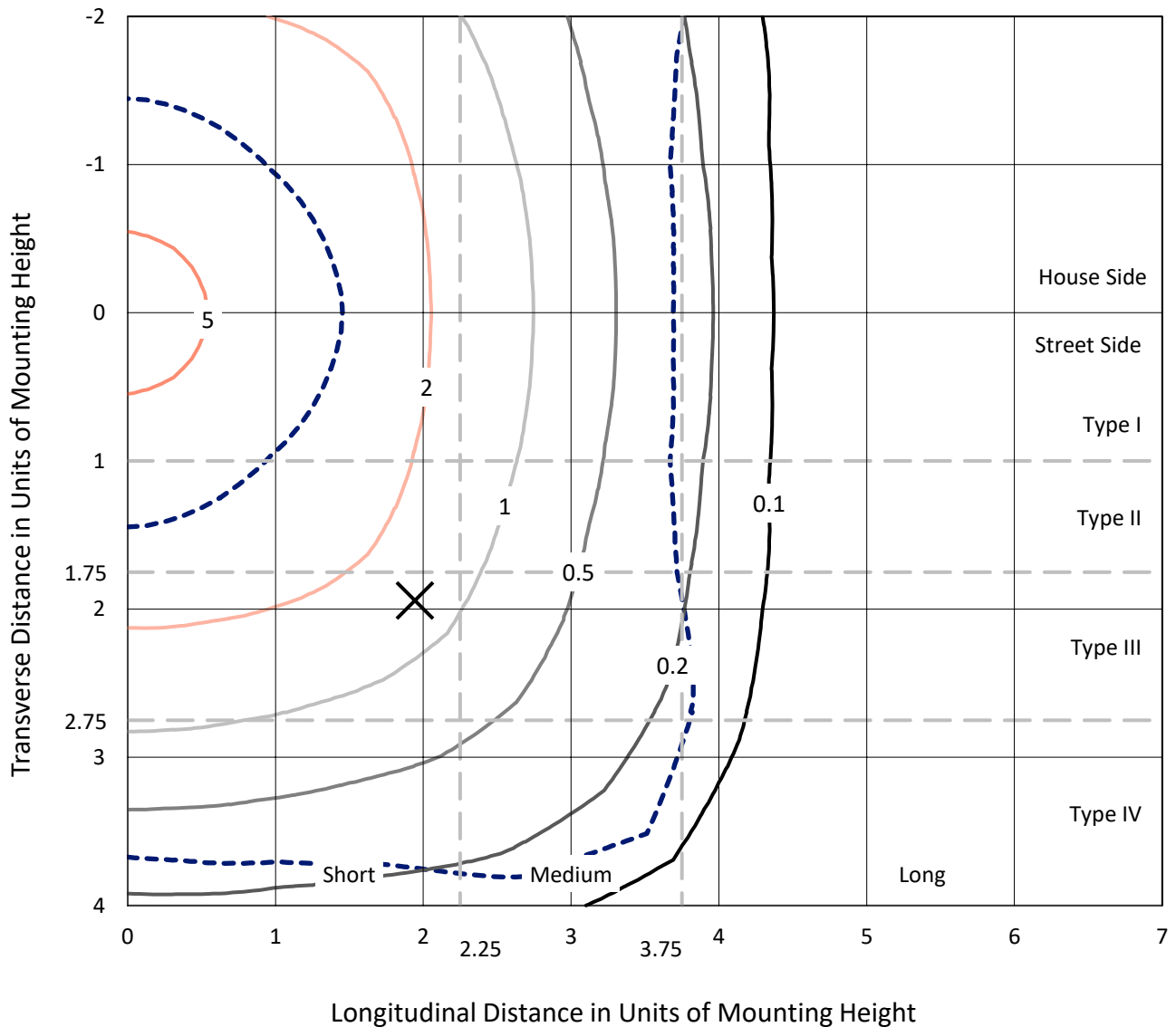
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

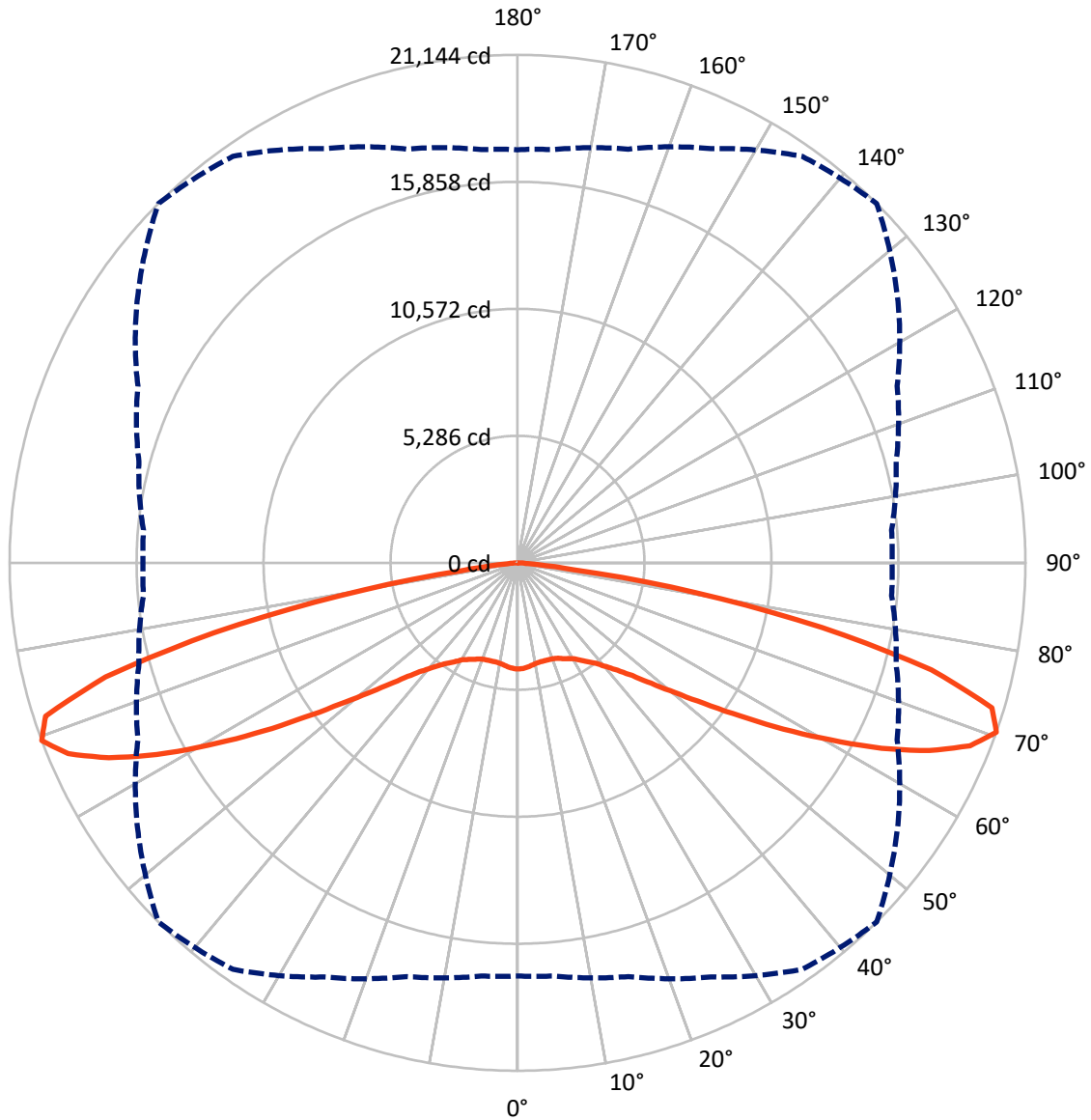
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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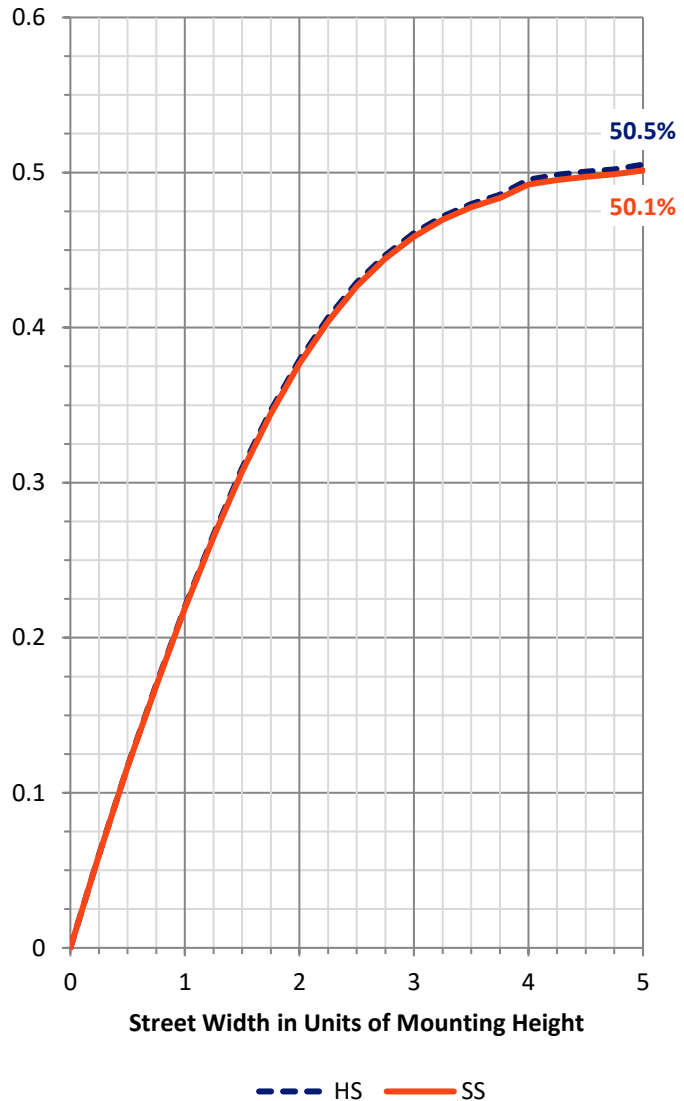
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26115.0	0.0	26115.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26115.0	0.0	26115.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52230.0	0.0	52230.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.5	0.8
10°-20°	1210.6	2.3
20°-30°	2062.6	3.9
30°-40°	3197.1	6.1
40°-50°	5381.1	10.3
50°-60°	9790.7	18.7
60°-70°	16575.4	31.7
70°-80°	12830.0	24.6
80°-90°	768.8	1.5
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°	52230.0	100.0
0°-180°	52230.0	100.0

Coefficient of Utilization

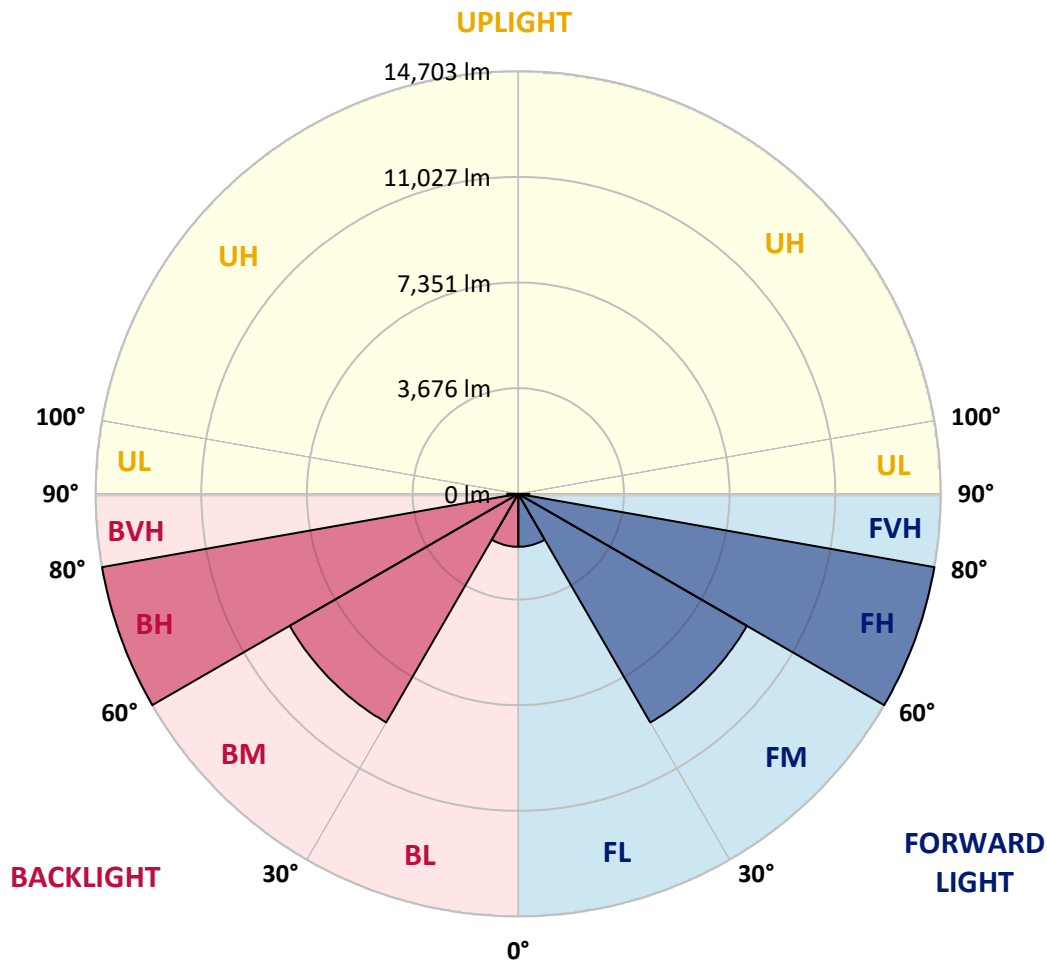


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1843.4	3.5			
FM (30°-60°)	9184.5	17.6			
FH (60°-80°)	14702.7	28.1			G5
FVH (80°-90°)	384.4	0.7			G3/500
BL (0°-30°)	1843.4	3.5	B3/2500		
BM (30°-60°)	9184.5	17.6	B5		
BH (60°-80°)	14702.7	28.1	B5		G5
BVH (80°-90°)	384.4	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4421.9	4421.9	4421.9	4421.9	4421.9	4421.9	4421.9	4421.9	4421.9	4421.9	4421.9
2.5°	4410.9	4413.6	4413.6	4408.1	4405.4	4405.4	4402.6	4402.6	4410.9	4413.6	4416.4
5°	4372.3	4372.3	4372.3	4369.5	4364.0	4364.0	4358.5	4358.5	4361.2	4369.5	4364.0
7.5°	4319.8	4325.4	4325.4	4314.3	4306.0	4306.0	4303.3	4306.0	4308.8	4317.1	4314.3
10°	4303.3	4306.0	4292.2	4273.0	4259.1	4259.1	4253.6	4259.1	4273.0	4278.5	4281.2
12.5°	4314.3	4314.3	4289.5	4261.9	4237.1	4226.1	4223.3	4242.6	4267.4	4283.9	4289.5
15°	4328.1	4322.6	4292.2	4256.4	4231.6	4228.8	4226.1	4239.9	4275.7	4308.8	4311.6
17.5°	4336.4	4333.7	4295.0	4250.9	4237.1	4237.1	4234.3	4245.3	4283.9	4325.4	4328.1
20°	4364.0	4355.7	4311.6	4264.7	4253.6	4259.1	4250.9	4264.7	4306.0	4355.7	4366.7
22.5°	4419.2	4410.9	4366.7	4319.8	4314.3	4314.3	4311.6	4325.4	4369.5	4421.9	4430.2
25°	4485.3	4477.1	4435.7	4402.6	4408.1	4419.2	4413.6	4416.4	4452.2	4496.4	4510.2
27.5°	4573.7	4559.8	4523.9	4496.4	4513.0	4513.0	4513.0	4510.2	4532.2	4573.7	4587.4
30°	4681.2	4675.7	4637.1	4634.3	4648.1	4634.3	4634.3	4637.1	4639.8	4678.4	4692.3
32.5°	4821.9	4810.8	4791.6	4786.0	4824.7	4835.7	4797.0	4761.2	4780.5	4819.1	4827.4
35°	5053.6	5037.0	5009.5	4979.1	5009.5	5061.9	4979.1	4951.5	5001.2	5053.6	5059.1
37.5°	5368.1	5359.8	5315.7	5260.5	5257.8	5312.9	5227.4	5224.6	5318.4	5381.9	5390.2
40°	5762.6	5770.9	5715.7	5663.3	5635.6	5679.8	5613.6	5638.4	5729.4	5801.2	5795.7
42.5°	6317.0	6286.7	6201.1	6151.5	6121.2	6104.6	6088.1	6126.7	6228.8	6306.0	6366.7
45°	6965.3	6954.2	6846.6	6785.9	6719.8	6695.0	6689.4	6758.4	6882.5	6976.3	6984.6
47.5°	7699.0	7674.2	7605.3	7541.8	7517.0	7486.7	7459.0	7511.5	7635.6	7701.8	7721.1
50°	8454.8	8460.4	8460.4	8449.4	8474.2	8479.7	8405.2	8424.5	8493.5	8488.0	8482.5
52.5°	9318.2	9348.6	9492.1	9505.9	9624.5	9704.5	9569.3	9489.3	9464.5	9315.5	9326.5
55°	10333.4	10361.0	10576.1	10791.3	11111.3	11246.5	10962.4	10714.1	10537.5	10311.3	10322.4
57.5°	11599.6	11613.4	11817.5	12231.3	12738.9	13056.1	12556.8	12065.8	11707.2	11492.0	11406.5
60°	12962.3	12976.1	13274.0	13778.8	14567.7	14954.0	14336.0	13533.3	13080.9	12752.6	12774.7
62.5°	14598.1	14653.3	14920.8	15616.0	16573.2	17006.3	16187.0	15113.9	14501.6	14093.3	14109.8
65°	16349.7	16443.5	16735.9	17500.0	18382.8	18849.0	17844.9	16606.3	15844.9	15345.6	15398.1
67.5°	17486.3	17569.0	17991.1	18835.2	19935.8	20322.1	19025.5	17582.8	16631.2	16035.3	15925.0
70°	17196.6	17265.6	17828.4	19025.5	20655.8	21144.1	19306.9	17439.4	16319.4	15632.5	15588.4
72.5°	15180.2	15036.7	15858.7	17577.3	19833.8	20653.0	18421.4	15927.7	14518.1	13811.9	13729.2
75°	10060.3	10372.0	11585.8	13610.6	16780.1	17795.2	15723.6	12788.5	11014.8	10427.2	10336.1
77.5°	3362.7	3602.7	4681.2	7715.6	11439.6	12965.1	11456.2	8363.8	5917.1	4766.7	4788.8
80°	891.0	879.9	1139.3	2121.3	4943.2	7508.7	5754.3	2833.0	1550.3	1122.7	1064.8
82.5°	320.0	358.6	460.6	587.6	1310.3	2333.7	1646.8	794.4	582.1	430.3	416.6
85°	140.7	138.0	198.6	234.5	328.2	435.8	386.2	336.5	295.2	195.8	182.0
87.5°	30.4	30.4	46.9	35.9	57.9	57.9	71.7	85.5	88.2	57.9	46.9
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)