

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: P652603

Luminaire Tested: **GALN-SA9B-840-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P652603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9B-840-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44759.7 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

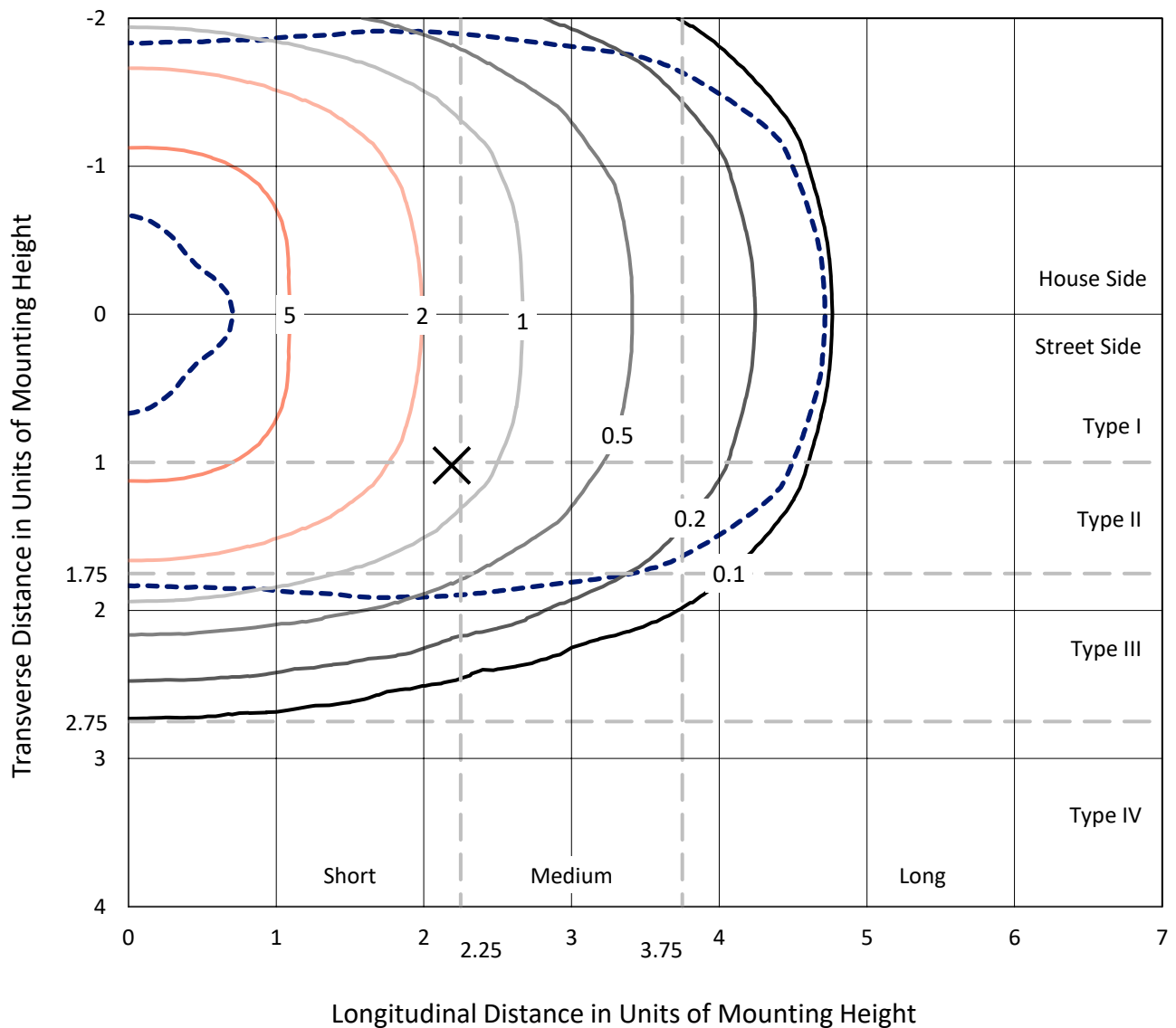
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

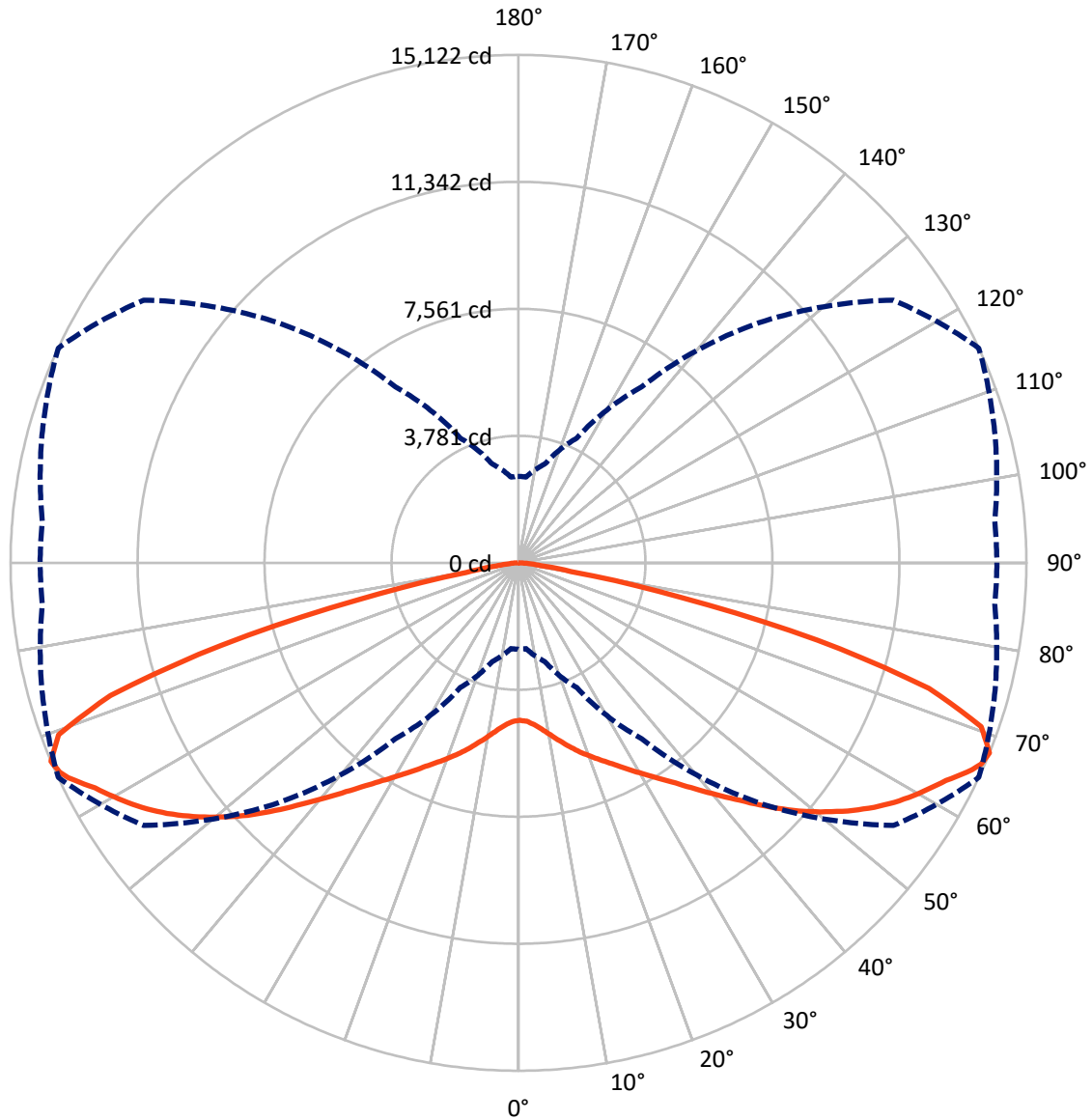
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22379.8	0.0	22379.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22379.8	0.0	22379.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	44759.7	0.0	44759.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.4	1.0
10°-20°	1547.5	3.5
20°-30°	3027.1	6.8
30°-40°	5148.7	11.5
40°-50°	8148.9	18.2
50°-60°	10805.2	24.1
60°-70°	10192.7	22.8
70°-80°	5038.8	11.3
80°-90°	388.3	0.9
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°	44759.7	100.0
0°-180°	44759.7	100.0

Coefficient of Utilization

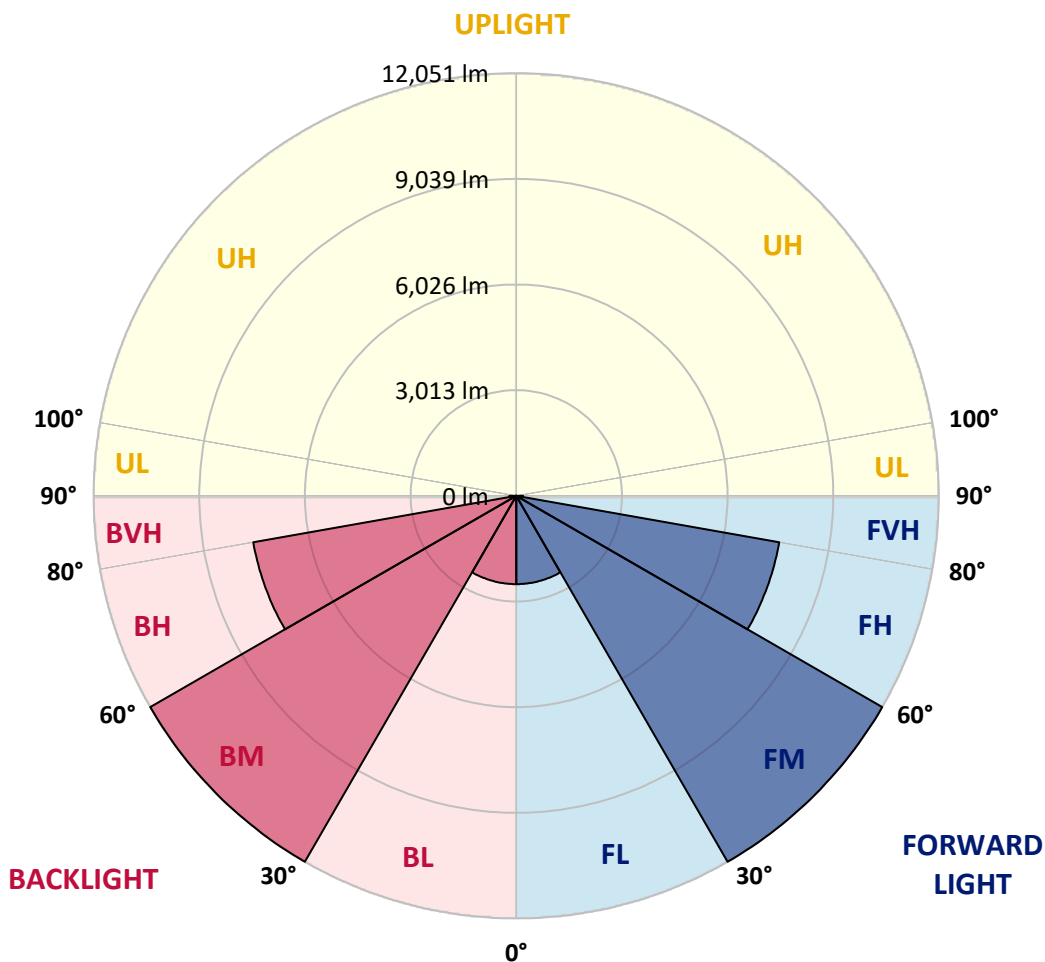


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2518.5	5.6			
FM	(30°-60°)	12051.4	26.9			
FH	(60°-80°)	7615.7	17.0			G4/12000
FVH	(80°-90°)	194.2	0.4			G2/225
BL	(0°-30°)	2518.5	5.6	B4/5000		
BM	(30°-60°)	12051.4	26.9	B5		
BH	(60°-80°)	7615.7	17.0	B5		G5
BVH	(80°-90°)	194.2	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4688.2	4688.2	4688.2	4688.2	4688.2	4688.2	4688.2	4688.2	4688.2	4688.2	4688.2
2.5°	4664.2	4669.0	4673.8	4681.0	4690.6	4705.0	4714.6	4721.8	4741.0	4743.3	4741.0
5°	4647.5	4652.2	4664.2	4685.8	4717.0	4760.1	4793.7	4834.5	4865.6	4887.2	4882.4
7.5°	4645.0	4654.6	4673.8	4719.4	4779.3	4853.7	4930.4	4999.9	5059.9	5107.8	5100.7
10°	4683.4	4695.4	4726.6	4793.7	4887.2	4995.1	5103.0	5206.1	5292.5	5354.8	5376.4
12.5°	4748.1	4757.7	4815.3	4916.0	5050.3	5184.6	5306.9	5434.0	5553.9	5659.4	5659.4
15°	4860.8	4877.6	4949.5	5095.9	5261.3	5417.2	5541.9	5676.2	5805.7	5925.6	5961.5
17.5°	5016.7	5040.7	5148.6	5335.6	5546.6	5690.5	5808.1	5918.4	6031.1	6146.2	6163.0
20°	5230.2	5254.1	5398.0	5623.4	5872.8	6045.4	6124.6	6151.0	6206.2	6316.5	6330.9
22.5°	5520.3	5544.3	5704.9	5959.2	6237.4	6424.4	6458.0	6395.6	6381.2	6467.5	6477.1
25°	5848.8	5870.4	6055.0	6328.4	6616.2	6820.1	6810.4	6657.0	6570.6	6623.4	6637.8
27.5°	6218.1	6249.3	6436.3	6719.3	7031.1	7210.9	7182.1	6959.1	6774.5	6764.9	6769.7
30°	6690.6	6724.1	6901.6	7172.6	7479.5	7644.9	7585.1	7285.2	6999.9	6904.0	6904.0
32.5°	7189.4	7273.3	7453.1	7736.1	7975.9	8095.8	8004.7	7644.9	7266.1	7131.8	7124.6
35°	7839.2	7884.8	8062.2	8338.0	8517.9	8611.4	8436.3	8050.2	7613.8	7455.5	7433.9
37.5°	8474.7	8513.1	8719.3	8983.1	9201.3	9196.5	8959.1	8532.3	8045.4	7868.0	7853.6
40°	9124.6	9165.3	9400.4	9642.6	9860.8	9841.6	9553.8	9076.6	8558.6	8359.6	8398.0
42.5°	9688.2	9733.6	9999.8	10345.1	10541.9	10537.1	10203.7	9666.5	9127.0	8949.5	8983.1
45°	10201.3	10242.0	10551.4	10947.1	11234.8	11270.8	10906.3	10338.0	9784.0	9556.2	9565.8
47.5°	10563.4	10640.2	10963.9	11417.1	11808.0	11935.1	11577.8	11021.4	10383.6	10146.2	10160.5
50°	10839.1	10887.2	11239.6	11755.2	12249.2	12513.0	12225.3	11654.5	10983.0	10731.2	10764.8
52.5°	10872.8	10930.3	11314.0	11908.7	12541.8	12942.2	12800.8	12273.2	11594.5	11335.6	11407.5
55°	10599.4	10632.9	11090.9	11812.8	12656.9	13261.2	13297.1	12848.7	12177.3	11980.6	12028.6
57.5°	9820.0	9906.3	10486.7	11364.3	12498.6	13431.4	13668.9	13371.5	12767.2	12572.9	12649.7
60°	8541.9	8628.2	9210.9	10323.6	11901.5	13352.3	13975.8	13834.4	13302.0	13146.1	13186.9
62.5°	6692.9	6685.8	7407.6	8772.1	10714.5	12963.8	14203.6	14280.3	13829.6	13632.9	13695.3
65°	4338.0	4359.7	5057.5	6527.5	8923.2	11975.8	14254.0	14848.7	14347.5	14050.2	14095.7
66°	3489.1	3553.9	4146.2	5501.1	8009.5	11328.4	14102.9	15016.6	14505.8	14146.1	14167.7
67.5°	2575.5	2563.5	3050.3	4095.8	6395.6	10098.1	13630.5	15122.1	14685.6	14232.4	14242.0
70°	1470.0	1467.6	1640.3	2249.3	3760.1	7110.2	11489.1	14616.1	15050.1	14544.2	14517.8
72.5°	1074.3	1067.1	1091.1	1242.2	1834.5	3589.9	7925.6	12774.4	14863.1	14493.8	14419.4
75°	901.6	896.8	892.0	911.2	1028.8	1625.9	4206.2	9189.4	12896.7	13604.1	13527.4
77.5°	736.2	736.2	738.6	733.8	738.6	856.1	1743.4	4925.6	7853.6	8767.3	8980.7
80°	575.5	573.1	613.9	597.1	558.8	549.2	772.2	1585.1	2606.7	2592.3	2139.1
82.5°	424.5	395.7	467.6	455.7	412.4	350.1	450.9	676.2	870.5	565.9	419.7
85°	268.6	266.2	330.9	302.2	251.8	165.4	215.8	290.1	359.7	218.2	177.5
87.5°	47.9	45.6	105.5	76.7	76.7	47.9	60.0	79.1	117.5	81.5	60.0
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)