

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: P533941

Luminaire Tested: **GALN-SA9B-830-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533941
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9B-830-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24601 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

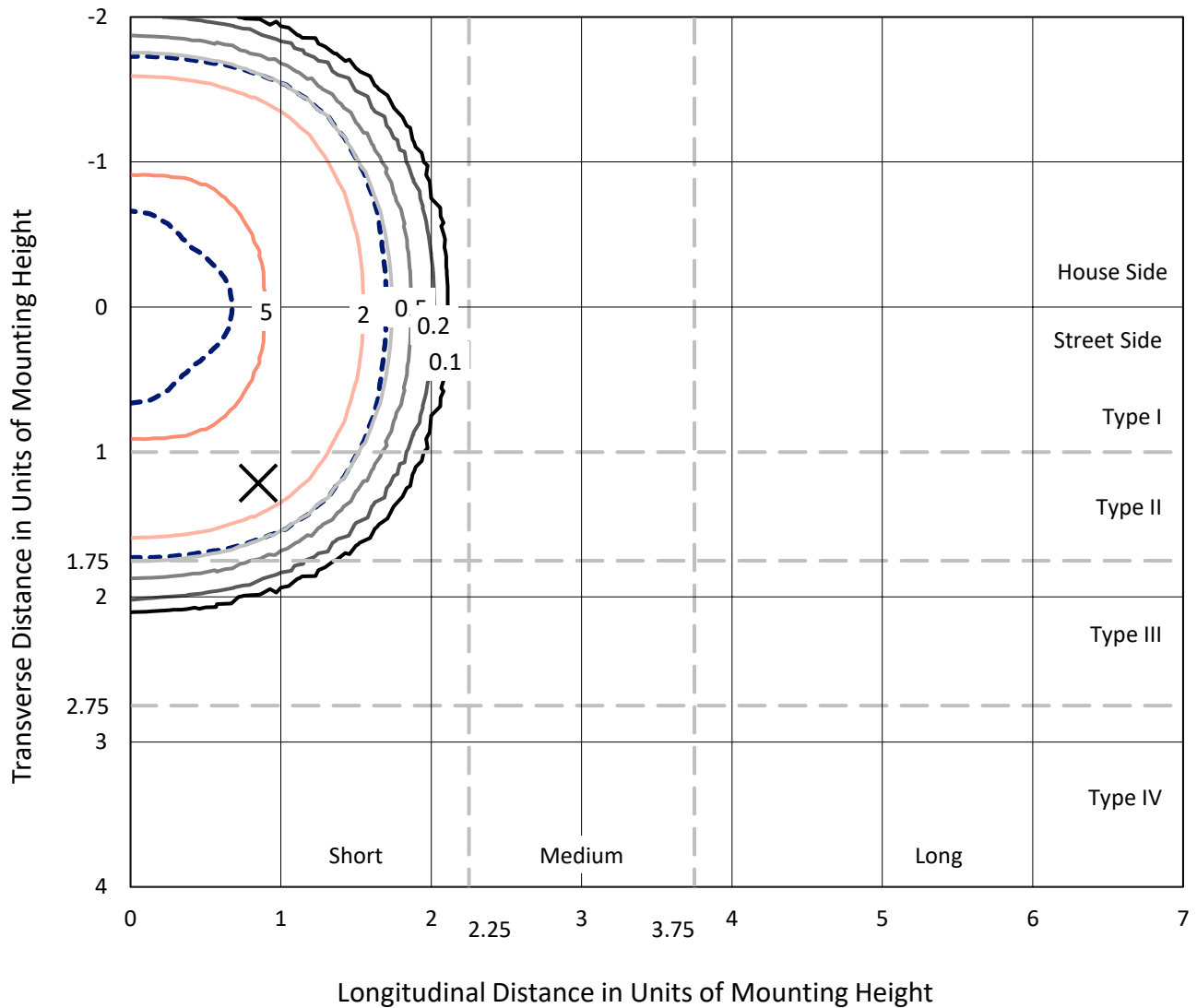
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

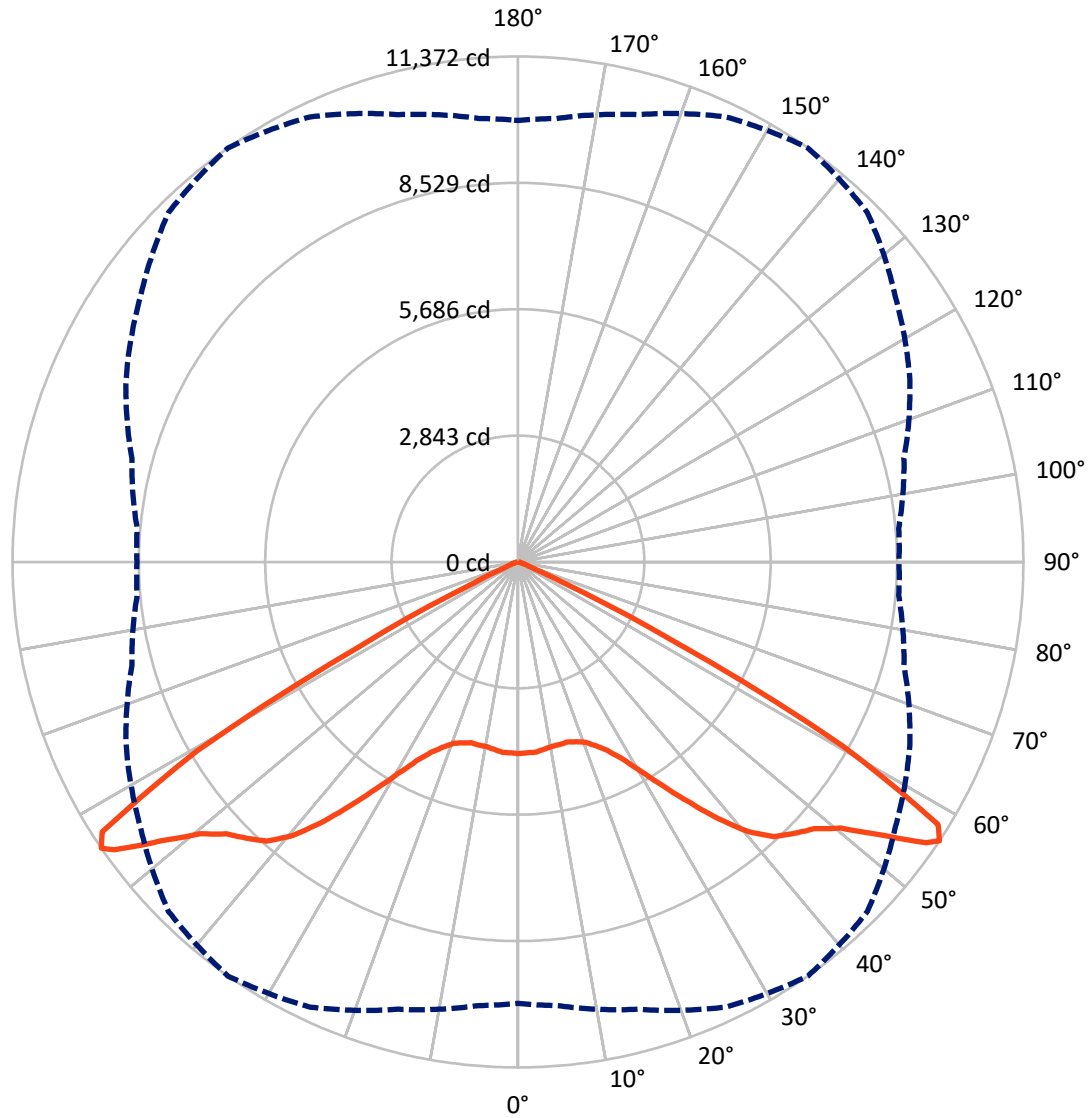
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12300.5	0.0	12300.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12300.5	0.0	12300.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24601.0	0.0	24601.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.1	1.6
10°-20°	1182.8	4.8
20°-30°	2141.9	8.7
30°-40°	3971.8	16.1
40°-50°	6519.4	26.5
50°-60°	8399.0	34.1
60°-70°	1851.0	7.5
70°-80°	107.4	0.4
80°-90°	22.6	0.1
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°	24601.0	100.0
0°-180°	24601.0	100.0

Coefficient of Utilization

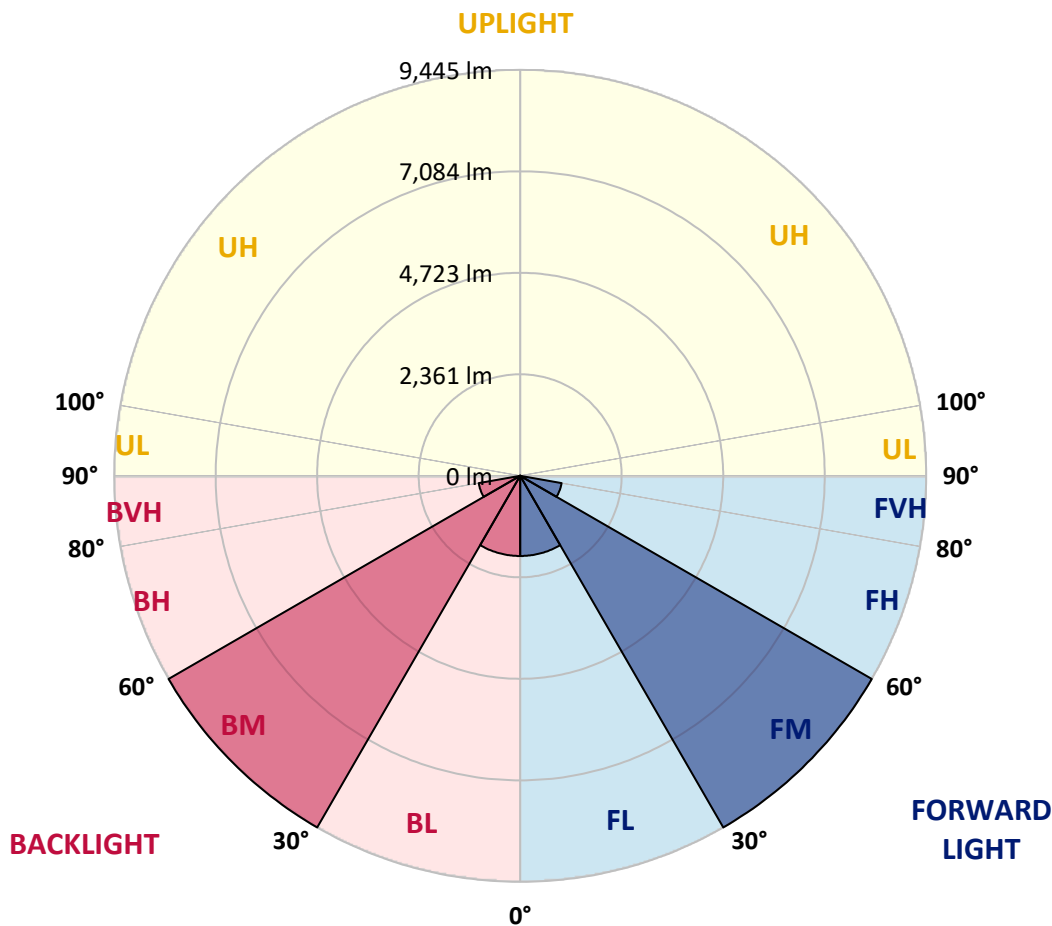


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1864.9	7.6			
FM (30°-60°)	9445.1	38.4			
FH (60°-80°)	979.2	4.0			G1/1800
FVH (80°-90°)	11.3	0.0			G1/100
BL (0°-30°)	1864.9	7.6	B3/2500		
BM (30°-60°)	9445.1	38.4	B5		
BH (60°-80°)	979.2	4.0	B2/1000		G1/1800
BVH (80°-90°)	11.3	0.0			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°	4310.6	4310.6	4310.6	4310.6	4310.6	4310.6	4310.6	4310.6	4310.6	4310.6	4310.6
2.5°	4319.5	4319.5	4324.0	4328.5	4297.3	4283.9	4288.3	4279.4	4275.0	4288.3	4288.3
5°	4306.2	4306.2	4292.8	4297.3	4297.3	4257.1	4257.1	4266.0	4266.0	4239.3	4230.4
7.5°	4270.5	4261.6	4243.8	4266.0	4252.7	4252.7	4221.5	4199.2	4190.3	4208.1	4190.3
10°	4194.7	4199.2	4217.0	4225.9	4217.0	4243.8	4190.3	4159.1	4127.9	4114.5	4114.5
12.5°	4159.1	4185.8	4159.1	4181.4	4212.6	4190.3	4159.1	4136.8	4092.2	4074.4	4074.4
15°	4154.6	4172.4	4181.4	4212.6	4199.2	4208.1	4145.7	4118.9	4052.1	4020.9	4007.5
17.5°	4150.1	4172.4	4185.8	4243.8	4252.7	4257.1	4208.1	4127.9	4069.9	4038.7	4007.5
20°	4199.2	4208.1	4234.8	4292.8	4328.5	4390.9	4301.7	4217.0	4092.2	4056.5	4043.2
22.5°	4261.6	4306.2	4332.9	4395.3	4488.9	4542.4	4426.5	4319.5	4190.3	4145.7	4092.2
25°	4462.2	4453.3	4497.8	4627.1	4702.9	4743.0	4649.4	4493.4	4324.0	4270.5	4279.4
27.5°	4711.8	4720.7	4760.9	4903.5	5014.9	5077.4	4965.9	4760.9	4595.9	4506.8	4497.8
30°	5037.2	5028.3	5072.9	5264.6	5465.2	5558.8	5362.6	5121.9	4961.5	4845.6	4872.3
32.5°	5380.5	5384.9	5509.8	5683.6	6009.0	6191.8	5875.3	5581.1	5340.4	5260.1	5220.0
35°	5888.7	5910.9	6009.0	6276.5	6637.6	6873.8	6526.1	6174.0	5897.6	5750.5	5768.3
37.5°	6517.2	6494.9	6659.8	6949.6	7328.5	7502.4	7208.1	6807.0	6526.1	6428.0	6490.5
40°	7185.9	7208.1	7292.8	7555.9	7979.3	8095.2	7658.4	7440.0	7194.8	7145.7	7221.5
42.5°	7854.5	7841.1	7903.6	8139.8	8447.4	8367.2	8108.6	7979.3	7805.5	7707.4	7809.9
45°	8344.9	8322.6	8438.5	8599.0	8710.4	8558.8	8442.9	8398.4	8309.2	8202.2	8295.8
47.5°	8821.8	8804.0	8915.5	8960.0	8969.0	8768.4	8790.6	8870.9	8648.0	8425.1	8532.1
50°	9227.5	9196.3	9334.5	9432.6	9410.3	9089.3	9169.5	9089.3	8741.6	8478.6	8438.5
52.5°	9905.1	9918.4	10065.6	10243.9	10190.4	9922.9	9807.0	9441.5	8995.7	8759.4	8621.2
55°	10333.0	10266.2	10520.2	11086.4	11148.8	10872.4	10359.8	9820.4	9151.7	8862.0	8826.3
56°	9931.8	10016.5	10417.7	11050.7	11371.7	11117.6	10373.1	9726.8	8991.2	8599.0	8572.2
57.5°	8911.0	8866.4	9410.3	10275.1	11148.8	11041.8	10007.6	9058.1	8202.2	7760.9	7707.4
60°	5545.4	5674.7	6151.7	7221.5	8389.4	8442.9	7417.7	6601.9	5603.4	5211.1	5304.7
62.5°	2170.9	2059.5	2358.1	3156.1	3958.5	4136.8	3749.0	3116.0	2558.7	2170.9	2144.2
65°	503.7	490.4	552.8	762.3	1065.4	1234.8	1172.4	842.5	619.6	588.4	543.8
67.5°	285.3	285.3	271.9	271.9	298.7	316.5	303.1	298.7	312.0	325.4	321.0
70°	200.6	196.1	187.2	191.7	182.8	182.8	196.1	218.4	236.3	236.3	240.7
72.5°	120.4	120.4	120.4	133.7	133.7	133.7	147.1	164.9	169.4	164.9	160.5
75°	53.5	53.5	62.4	75.8	84.7	89.2	102.5	111.4	120.4	111.4	102.5
77.5°	13.4	13.4	22.3	31.2	40.1	49.0	66.9	80.2	84.7	80.2	66.9
80°	4.5	4.5	8.9	22.3	40.1	49.0	66.9	71.3	75.8	66.9	53.5
82.5°	4.5	4.5	8.9	22.3	31.2	40.1	53.5	62.4	66.9	58.0	53.5
85°	0.0	4.5	8.9	17.8	26.7	35.7	35.7	26.7	22.3	13.4	17.8
87.5°	0.0	0.0	4.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)