

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: P458020

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

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9B-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42992 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

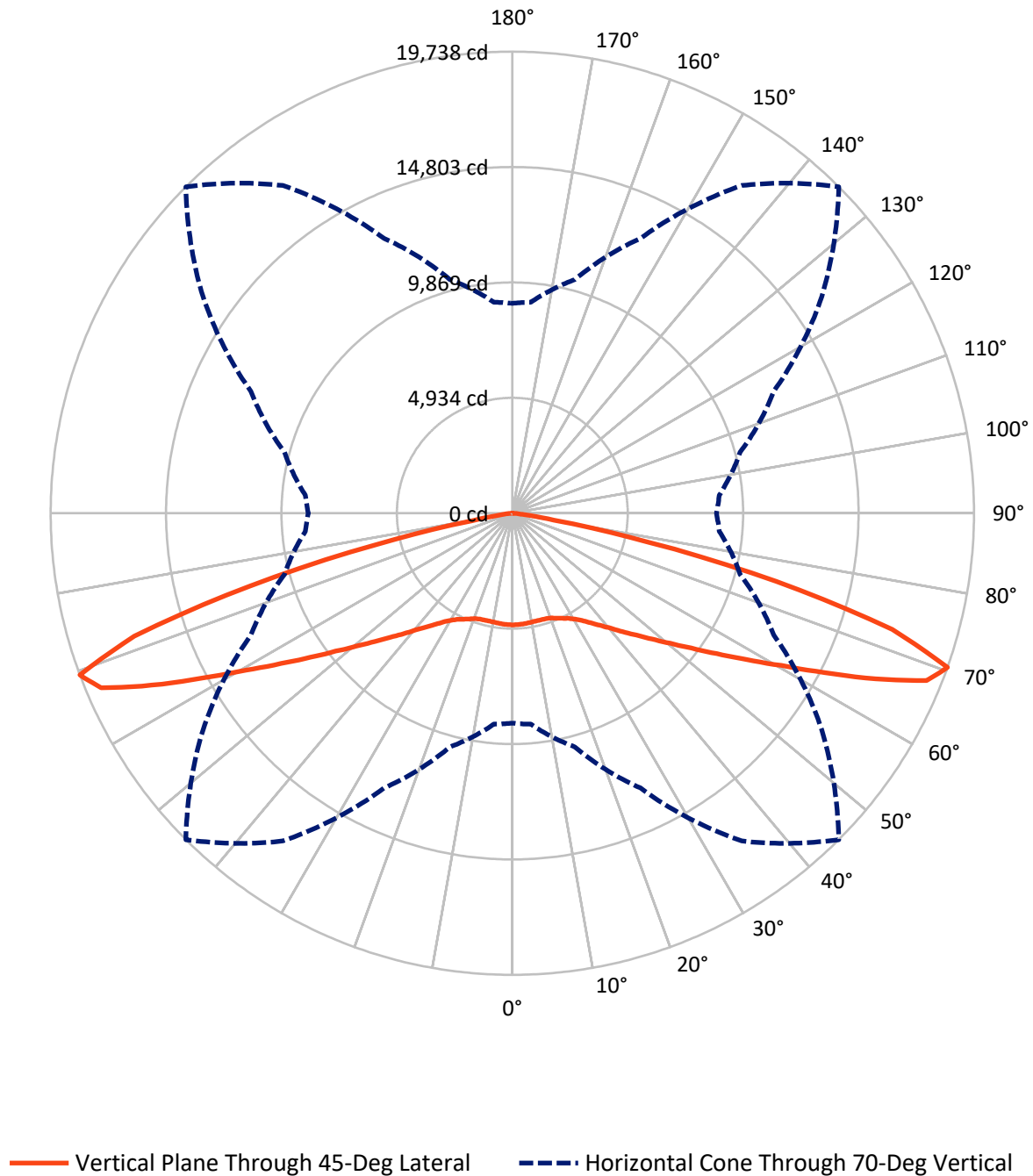
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21496.0	0.0	21496.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21496.0	0.0	21496.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	42992.0	0.0	42992.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.7	1.1
10°-20°	1328.5	3.1
20°-30°	2272.1	5.3
30°-40°	3606.3	8.4
40°-50°	5817.9	13.5
50°-60°	9465.8	22.0
60°-70°	13722.0	31.9
70°-80°	6086.6	14.2
80°-90°	240.1	0.6
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°	42992.0	100.0
0°-180°	42992.0	100.0

Coefficient of Utilization



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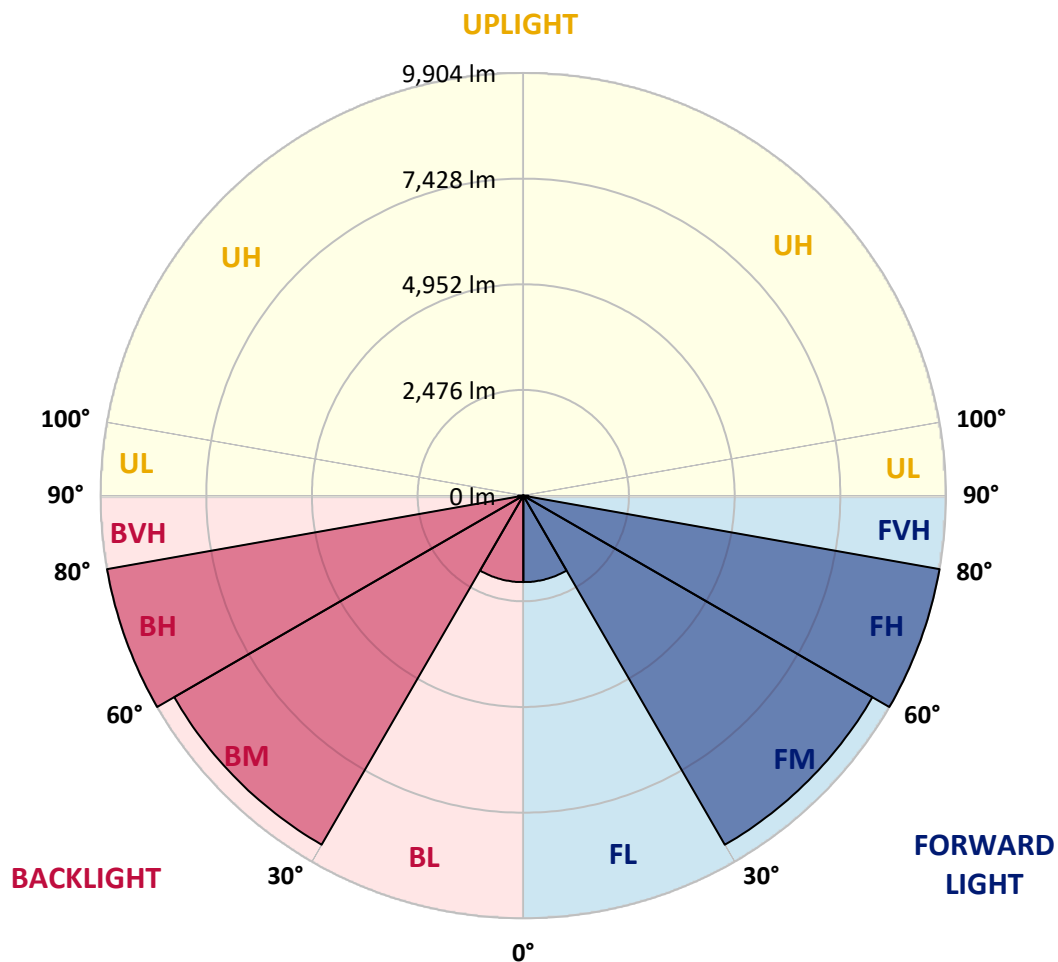
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2026.6	4.7			
FM	(30°-60°)	9445.0	22.0			
FH	(60°-80°)	9904.3	23.0			G4/12000
FVH	(80°-90°)	120.0	0.3			G2/225
BL	(0°-30°)	2026.6	4.7	B3/2500		
BM	(30°-60°)	9445.0	22.0	B5		
BH	(60°-80°)	9904.3	23.0	B5		G4/12000
BVH	(80°-90°)	120.0	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4774.1	4774.1	4774.1	4774.1	4774.1	4774.1	4774.1	4774.1	4774.1	4774.1	4774.1
2.5°	4774.1	4778.6	4771.8	4767.3	4765.0	4765.0	4762.7	4765.0	4778.6	4780.9	4774.1
5°	4760.5	4765.0	4762.7	4758.2	4755.9	4755.9	4753.7	4751.4	4762.7	4767.3	4765.0
7.5°	4742.3	4744.6	4742.3	4740.1	4742.3	4740.1	4733.3	4728.7	4737.8	4737.8	4735.5
10°	4710.6	4715.1	4712.9	4715.1	4719.7	4719.7	4710.6	4701.6	4703.8	4699.3	4699.3
12.5°	4672.1	4678.9	4681.2	4690.2	4701.6	4715.1	4694.8	4674.4	4669.8	4667.6	4665.3
15°	4647.2	4654.0	4663.0	4672.1	4692.5	4721.9	4692.5	4660.8	4651.7	4642.6	4638.1
17.5°	4640.4	4649.4	4663.0	4676.6	4703.8	4733.3	4708.4	4676.6	4654.0	4640.4	4635.8
20°	4658.5	4665.3	4685.7	4710.6	4749.1	4778.6	4753.7	4719.7	4685.7	4665.3	4658.5
22.5°	4694.8	4706.1	4731.0	4776.3	4830.7	4873.8	4839.8	4783.1	4728.7	4701.6	4692.5
25°	4774.1	4783.1	4812.6	4873.8	4937.2	4978.0	4941.7	4876.0	4801.2	4765.0	4753.7
27.5°	4894.1	4907.7	4939.5	5012.0	5064.1	5086.7	5061.8	5016.5	4962.1	4923.6	4914.5
30°	5064.1	5079.9	5127.5	5204.6	5238.5	5252.1	5240.8	5211.4	5172.8	5132.1	5123.0
32.5°	5292.9	5302.0	5356.4	5428.9	5460.6	5465.1	5451.5	5437.9	5374.5	5306.5	5302.0
35°	5549.0	5564.8	5630.5	5716.6	5746.1	5748.4	5721.2	5700.8	5626.0	5571.6	5571.6
37.5°	5888.8	5895.6	5959.1	6056.5	6088.2	6079.2	6065.6	6047.4	5968.1	5897.9	5900.2
40°	6287.6	6301.2	6355.6	6468.9	6468.9	6457.6	6466.6	6453.0	6373.7	6305.7	6308.0
42.5°	6761.2	6768.0	6833.7	6953.8	6944.7	6922.0	6931.1	6913.0	6863.1	6786.1	6758.9
45°	7266.4	7293.6	7406.9	7522.5	7504.4	7431.9	7468.1	7463.6	7418.3	7302.7	7309.5
47.5°	7876.0	7921.3	8030.0	8168.2	8147.8	8034.6	8075.3	8102.5	8039.1	7912.2	7889.5
50°	8562.5	8591.9	8752.8	8882.0	8863.8	8743.8	8836.7	8841.2	8682.6	8503.6	8503.6
52.5°	9294.3	9323.8	9541.3	9743.0	9754.3	9579.8	9654.6	9650.1	9391.8	9156.1	9110.8
55°	10114.6	10128.2	10409.1	10705.9	10769.4	10599.5	10608.5	10517.9	10182.5	9908.4	9883.5
57.5°	10962.0	11011.8	11322.2	11707.4	11895.5	11791.3	11743.7	11501.2	11177.2	10862.3	10846.4
60°	11900.0	11902.3	12305.6	12761.0	13141.7	13211.9	13017.1	12693.1	12273.9	11857.0	11838.9
62.5°	12550.3	12647.7	13157.6	13927.9	14609.9	15004.2	14489.8	13810.1	12985.3	12312.4	12244.4
65°	12684.0	12749.7	13526.9	14832.0	16225.5	17075.1	15885.6	14440.0	13032.9	12135.7	12090.4
67.5°	11603.2	11673.4	12720.3	14723.2	17358.4	19100.8	16791.9	14136.4	12226.3	11116.1	11027.7
70°	8974.9	9054.2	10347.9	12960.4	17106.9	19737.5	16146.2	12330.5	10082.8	8884.2	8723.4
72.5°	4771.8	5064.1	6169.8	8895.6	13884.9	16993.6	13239.1	8997.5	6502.9	5315.6	5102.6
75°	1742.4	1778.7	2395.0	3944.8	8077.6	11653.1	8388.0	4291.4	2467.5	1905.5	1808.1
77.5°	720.5	718.3	788.5	1191.8	2934.2	5968.1	3274.1	1259.8	786.2	727.3	718.3
80°	426.0	426.0	469.0	496.2	772.6	1801.3	863.3	561.9	471.3	430.5	437.3
82.5°	190.3	201.7	296.8	312.7	373.9	493.9	416.9	358.0	308.1	213.0	192.6
85°	104.2	90.6	156.3	163.1	179.0	183.5	197.1	194.9	179.0	104.2	106.5
87.5°	20.4	24.9	45.3	34.0	38.5	34.0	45.3	63.4	65.7	36.3	29.5
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)