

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: P532754

Luminaire Tested: **GALN-SA8A-827-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532754
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8A-827-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23787 lumens
Efficiency: N/A
Efficacy: 97.5 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

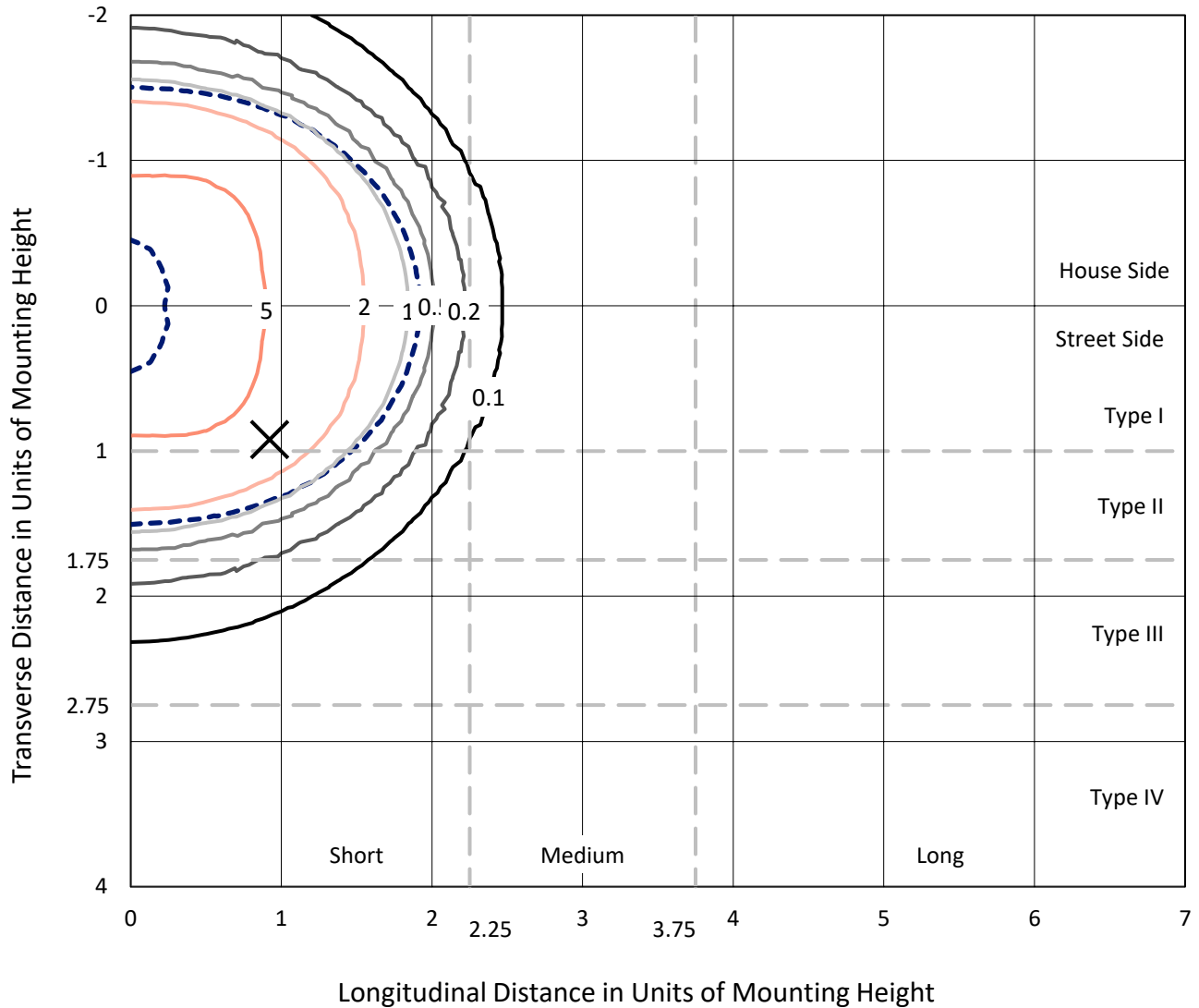
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

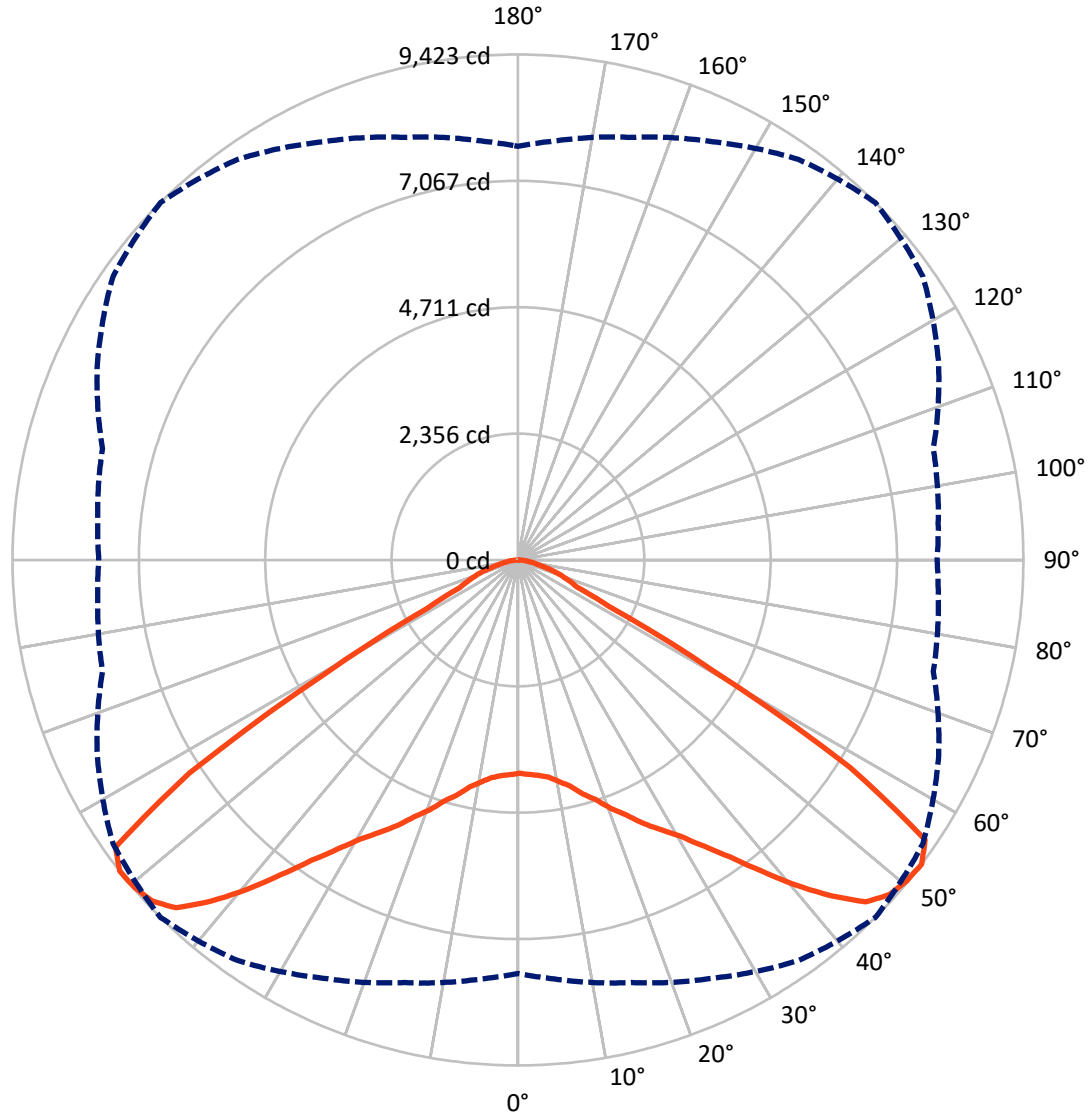
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11893.5	0.0	11893.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11893.5	0.0	11893.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23787.0	0.0	23787.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.7	1.6
10°-20°	1283.7	5.4
20°-30°	2444.0	10.3
30°-40°	4196.4	17.6
40°-50°	6450.0	27.1
50°-60°	6549.9	27.5
60°-70°	1825.4	7.7
70°-80°	538.5	2.3
80°-90°	108.5	0.5
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°	23787.0	100.0
0°-180°	23787.0	100.0

Coefficient of Utilization



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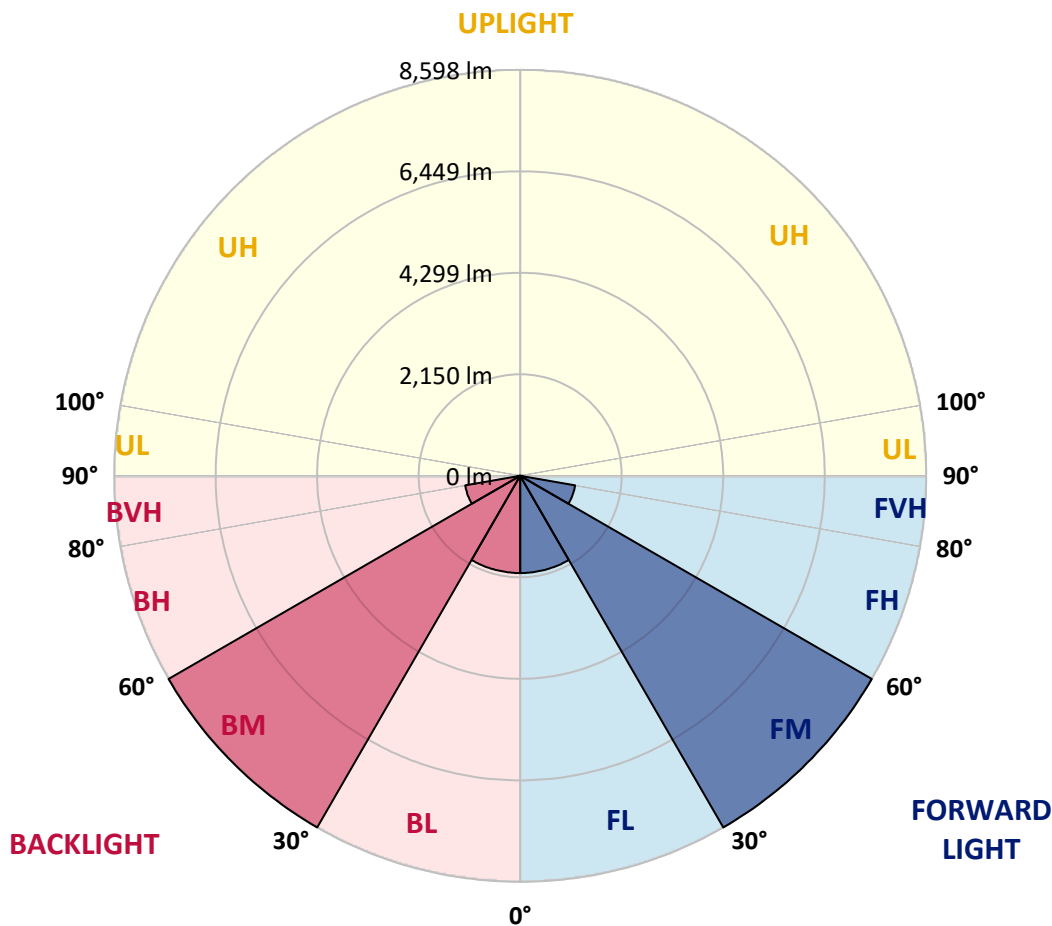
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2059.2	8.7			
FM (30°-60°)	8598.2	36.1			
FH (60°-80°)	1181.9	5.0			G1/1800
FVH (80°-90°)	54.2	0.2			G1/100
BL (0°-30°)	2059.2	8.7	B3/2500		
BM (30°-60°)	8598.2	36.1	B5		
BH (60°-80°)	1181.9	5.0	B3/2500		G1/1800
BVH (80°-90°)	54.2	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°	3976.3	3976.3	3976.3	3976.3	3976.3	3976.3	3976.3	3976.3	3976.3	3976.3	3976.3
2.5°	3985.2	3943.8	3958.6	3967.5	4005.8	4002.9	3994.0	4005.8	4017.6	4020.6	4014.7
5°	3982.2	3952.7	3964.5	3973.4	4011.7	4032.4	4026.5	4076.7	4112.1	4103.2	4147.5
7.5°	3958.6	3976.3	3961.6	4005.8	4038.3	4088.5	4141.6	4188.9	4233.1	4283.3	4292.2
10°	4011.7	4011.7	4038.3	4073.7	4159.3	4197.7	4274.5	4342.4	4428.0	4487.0	4463.4
12.5°	4067.8	4076.7	4076.7	4168.2	4239.0	4324.6	4395.5	4487.0	4608.0	4678.9	4714.3
15°	4123.9	4129.8	4159.3	4283.3	4389.6	4525.4	4590.3	4673.0	4740.9	4873.7	4876.7
17.5°	4174.1	4206.6	4295.1	4433.9	4566.7	4696.6	4799.9	4885.5	4944.6	4997.7	4985.9
20°	4363.0	4386.6	4478.1	4616.9	4814.7	4941.6	4977.0	4991.8	5030.2	5136.4	5104.0
22.5°	4546.0	4554.9	4640.5	4853.0	4991.8	5160.1	5198.4	5189.6	5204.3	5230.9	5278.1
25°	4735.0	4749.7	4867.8	5047.9	5242.7	5443.4	5475.9	5408.0	5387.4	5416.9	5419.8
27.5°	4977.0	4980.0	5130.5	5287.0	5508.4	5697.3	5747.5	5694.4	5596.9	5620.6	5658.9
30°	5284.0	5263.4	5413.9	5638.3	5871.5	5977.7	6063.4	6036.8	5930.5	5909.9	5877.4
32.5°	5638.3	5644.2	5780.0	6025.0	6178.5	6355.6	6447.1	6402.8	6334.9	6299.5	6320.2
35°	6137.2	6163.7	6255.2	6458.9	6706.9	6795.4	6940.1	6845.6	6668.5	6712.8	6751.2
37.5°	6547.5	6624.2	6795.4	7037.5	7185.1	7347.5	7400.6	7273.7	7143.8	7090.6	7217.6
40°	7176.3	7152.6	7341.6	7583.6	7802.1	7964.4	7896.5	7769.6	7447.8	7450.8	7486.2
42.5°	7716.5	7728.3	7872.9	8162.2	8460.4	8560.7	8345.2	8035.3	7678.1	7639.7	7716.5
45°	8171.1	8218.3	8301.0	8687.7	8979.9	9089.1	8690.6	8324.6	7846.3	7686.9	7813.9
47.5°	8333.4	8410.2	8590.2	8944.5	9233.8	9322.3	9003.5	8478.1	8002.8	7743.0	7810.9
50°	8357.0	8330.5	8625.7	8950.4	9204.3	9396.1	9115.7	8590.2	7964.4	7828.6	7808.0
52.5°	7710.6	7840.4	8156.3	8602.1	9115.7	9422.7	9216.1	8652.2	8017.6	7864.1	7813.9
55°	6240.5	6087.0	6662.6	7412.4	8357.0	9210.2	9180.6	8684.7	8050.0	7923.1	7855.2
57.5°	3483.3	3527.6	3852.3	4667.1	5886.2	7303.2	8162.2	8342.3	8035.3	7961.5	7996.9
60°	1611.8	1626.5	1765.3	2146.1	2901.8	4141.6	5272.2	6420.5	6948.9	7055.2	7055.2
62.5°	1201.5	1195.5	1231.0	1298.9	1458.3	1904.0	2541.7	3453.8	4180.0	4687.7	4820.6
65°	1086.3	1083.4	1101.1	1124.7	1136.5	1198.5	1340.2	1620.6	1856.8	1992.6	1969.0
67.5°	950.5	947.6	953.5	968.2	988.9	1021.4	1056.8	1115.8	1198.5	1192.6	1177.8
70°	767.5	767.5	776.4	788.2	811.8	850.2	891.5	932.8	1003.7	1018.4	1015.5
72.5°	566.8	557.9	575.6	599.3	622.9	670.1	714.4	752.8	802.9	817.7	811.8
75°	360.1	366.0	377.9	404.4	445.7	478.2	525.5	557.9	590.4	602.2	605.2
77.5°	200.7	206.6	227.3	259.8	301.1	336.5	377.9	404.4	425.1	428.0	431.0
80°	121.0	124.0	144.6	174.2	209.6	248.0	280.4	307.0	324.7	315.9	312.9
82.5°	73.8	76.8	94.5	121.0	150.6	180.1	215.5	239.1	256.8	245.0	233.2
85°	38.4	41.3	56.1	73.8	97.4	112.2	112.2	100.4	97.4	91.5	88.6
87.5°	11.8	11.8	14.8	17.7	14.8	17.7	20.7	23.6	23.6	26.6	23.6
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)