

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: P533682

Luminaire Tested: **GALN-SA9A-827-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9A-827-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26900 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

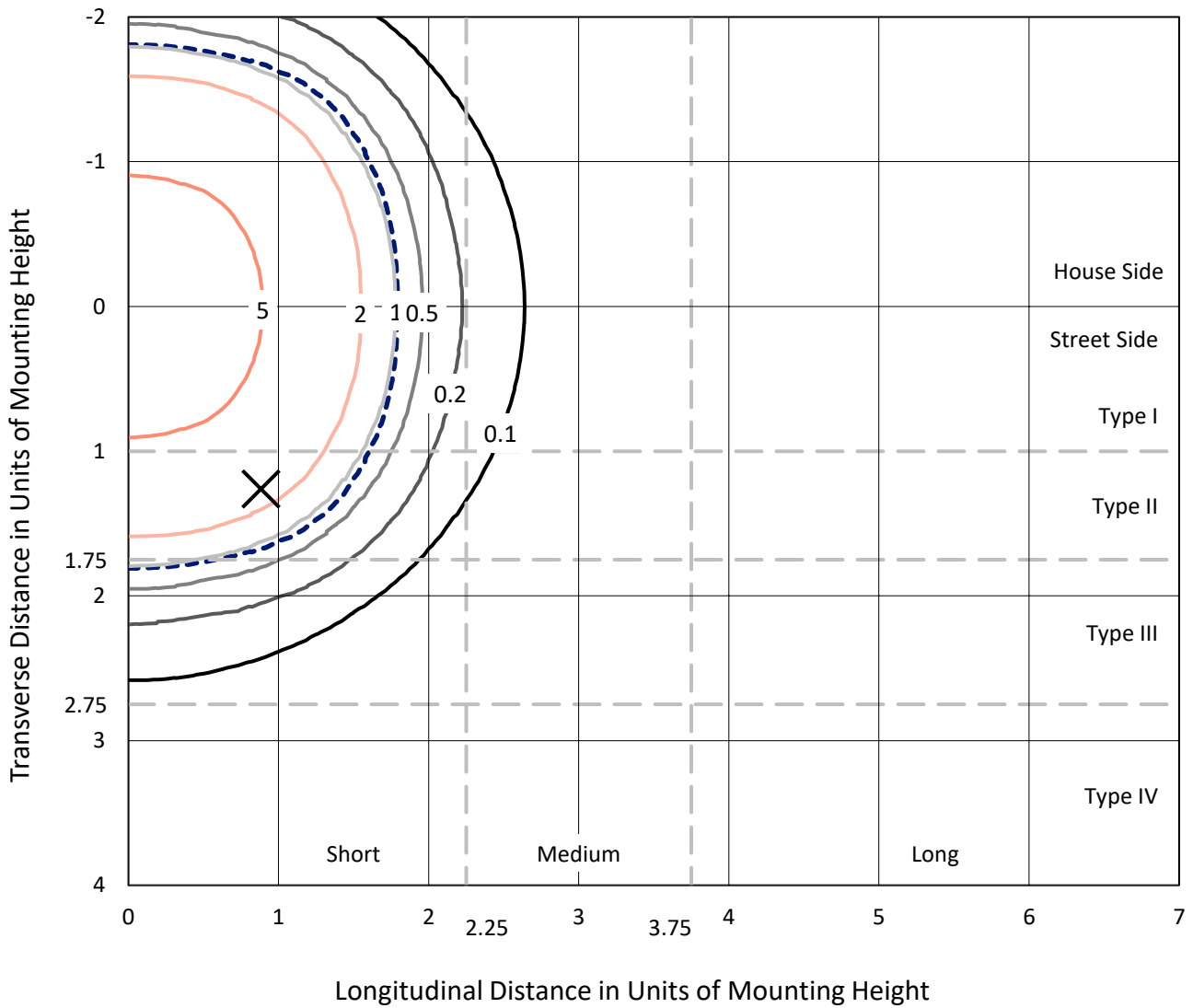
Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P533682
 CATALOG NUMBER: GALN-SA9A-827-U-5MQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

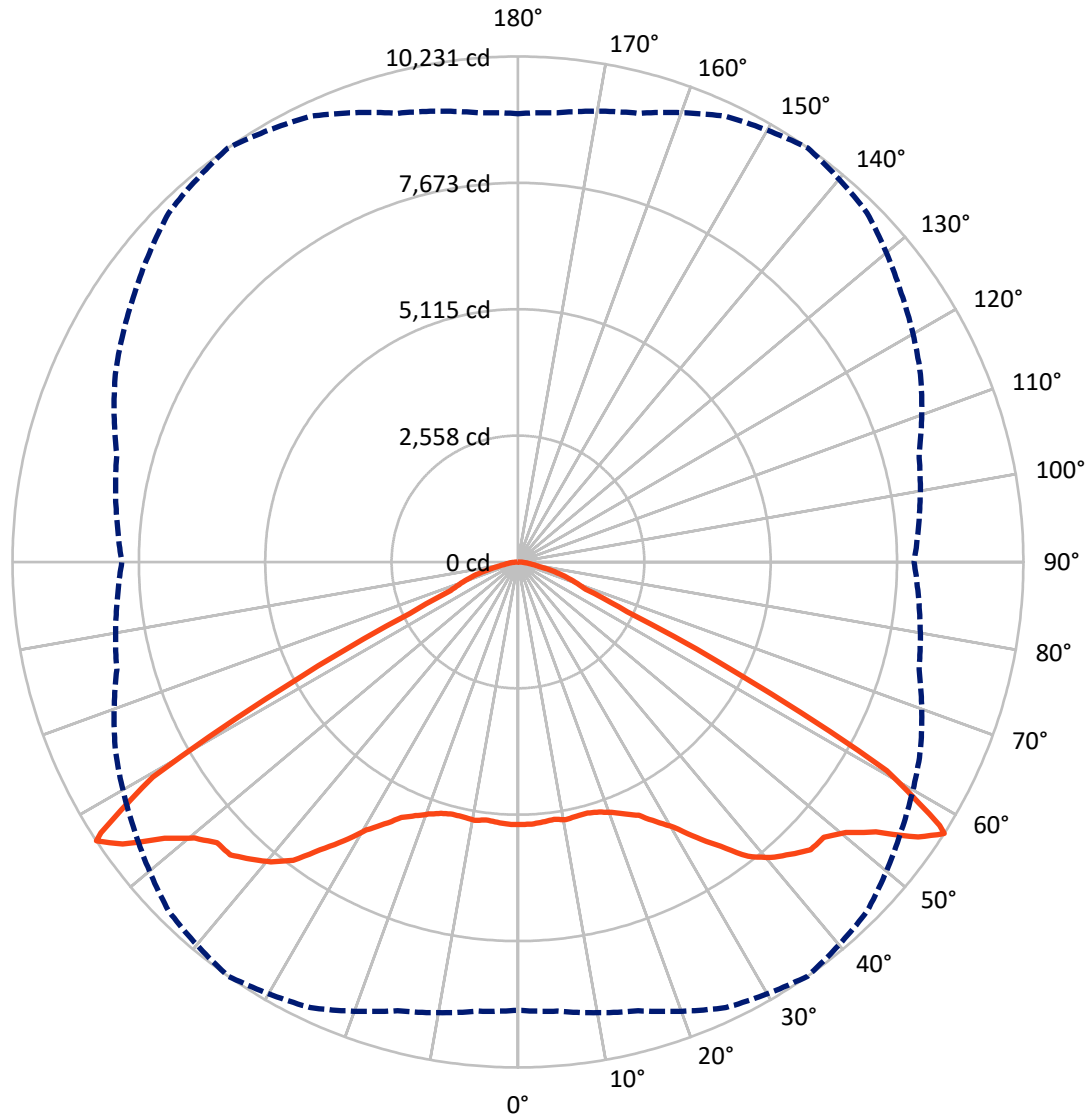
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P533682
CATALOG NUMBER: GALN-SA9A-827-U-5MQ-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

REPORT NUMBER: P533682
 CATALOG NUMBER: GALN-SA9A-827-U-5MQ-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13450.0	0.0	13450.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13450.0	0.0	13450.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26900.0	0.0	26900.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	503.6	1.9
10°-20°	1491.7	5.5
20°-30°	2605.2	9.7
30°-40°	4268.6	15.9
40°-50°	6258.9	23.3
50°-60°	7883.5	29.3
60°-70°	2964.9	11.0
70°-80°	788.4	2.9
80°-90°	135.2	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°	26900.0	100.0
0°-180°	26900.0	100.0

Coefficient of Utilization



REPORT NUMBER: P533682

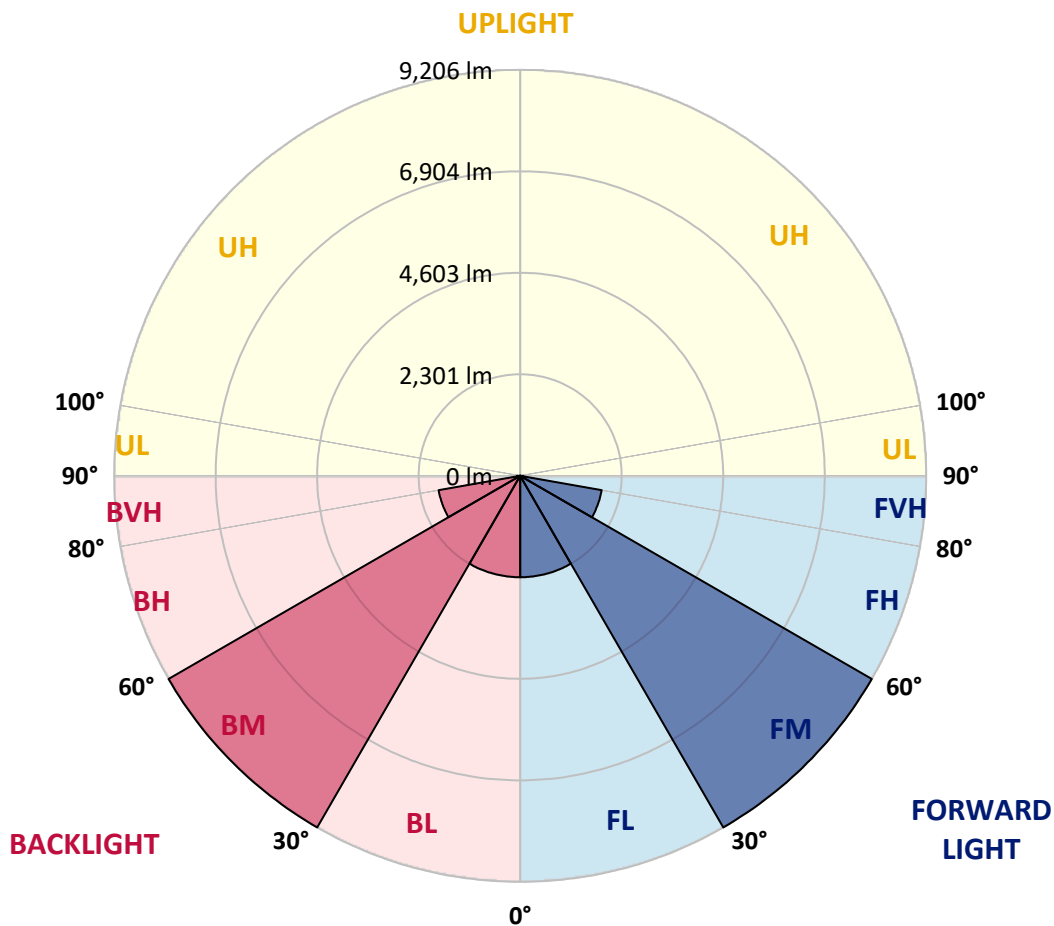
CATALOG NUMBER: GALN-SA9A-827-U-5MQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2300.2	8.6			
FM (30°-60°)	9205.5	34.2			
FH (60°-80°)	1876.6	7.0			G2/5000
FVH (80°-90°)	67.6	0.3			G1/100
BL (0°-30°)	2300.2	8.6	B3/2500		
BM (30°-60°)	9205.5	34.2	B5		
BH (60°-80°)	1876.6	7.0	B3/2500		G2/5000
BVH (80°-90°)	67.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





REPORT NUMBER: P533682

CATALOG NUMBER: GALN-SA9A-827-U-5MQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5312.6	5312.6	5312.6	5312.6	5312.6	5312.6	5312.6	5312.6	5312.6	5312.6	5312.6
2.5°	5286.0	5339.1	5315.9	5302.6	5312.6	5296.0	5269.5	5299.3	5292.7	5266.2	5256.2
5°	5272.8	5312.6	5286.0	5312.6	5286.0	5332.4	5319.2	5269.5	5329.1	5272.8	5292.7
7.5°	5262.8	5276.1	5282.7	5269.5	5259.5	5315.9	5286.0	5262.8	5229.7	5219.8	5236.3
10°	5239.6	5272.8	5223.1	5289.4	5302.6	5262.8	5262.8	5219.8	5193.2	5176.7	5233.0
12.5°	5299.3	5243.0	5236.3	5269.5	5279.4	5296.0	5249.6	5226.4	5176.7	5183.3	5173.4
15°	5229.7	5252.9	5256.2	5262.8	5272.8	5312.6	5269.5	5219.8	5199.9	5130.3	5136.9
17.5°	5256.2	5233.0	5256.2	5332.4	5319.2	5349.0	5302.6	5226.4	5180.0	5140.2	5193.2
20°	5302.6	5292.7	5302.6	5395.4	5412.0	5438.5	5398.7	5329.1	5239.6	5193.2	5219.8
22.5°	5352.3	5345.7	5352.3	5441.8	5537.9	5571.1	5531.3	5368.9	5322.5	5236.3	5206.5
25°	5441.8	5448.4	5518.0	5617.5	5680.4	5743.4	5670.5	5554.5	5405.3	5352.3	5289.4
27.5°	5640.7	5657.2	5697.0	5842.8	5952.2	6008.5	5905.8	5746.7	5653.9	5544.5	5528.0
30°	5885.9	5885.9	5955.5	6081.4	6230.6	6316.7	6190.8	6001.9	5889.2	5829.6	5793.1
32.5°	6210.7	6174.2	6200.7	6422.8	6654.8	6727.7	6558.7	6326.7	6147.7	6068.2	6041.7
35°	6489.1	6512.3	6571.9	6810.5	7069.0	7238.1	6972.9	6671.3	6489.1	6416.2	6402.9
37.5°	6850.3	6890.1	6919.9	7248.0	7559.5	7622.5	7367.3	7125.4	6903.3	6843.7	6810.5
40°	7360.7	7334.2	7344.1	7586.0	7867.7	7907.5	7655.6	7483.3	7301.0	7264.6	7264.6
42.5°	7781.6	7751.8	7784.9	7874.4	8089.8	8060.0	7920.8	7794.8	7718.6	7678.8	7718.6
45°	8036.8	8030.1	8089.8	8156.1	8308.5	8209.1	8099.7	8119.6	8046.7	7980.4	7977.1
47.5°	8315.2	8272.1	8345.0	8444.4	8328.4	8282.0	8275.4	8318.5	8295.3	8179.3	8142.8
50°	8451.0	8434.5	8550.5	8666.5	8603.5	8497.4	8520.6	8590.2	8292.0	8136.2	8046.7
52.5°	8815.6	8818.9	9040.9	9103.9	9077.4	8921.6	8971.4	8782.4	8431.1	8212.4	8222.4
55°	9388.9	9365.7	9614.3	9799.9	9829.7	9630.9	9392.2	9127.1	8686.3	8464.3	8398.0
57°	9074.1	9127.1	9402.2	9952.3	10230.7	9995.4	9475.1	8991.2	8404.6	8136.2	8016.9
57.5°	8653.2	8739.4	9216.6	9770.1	10061.7	10041.8	9372.4	8739.4	8215.7	7798.1	7808.1
60°	6339.9	6356.5	6787.3	7665.6	8577.0	8596.9	7781.6	6943.1	6359.8	5905.8	5968.7
62.5°	3344.0	3420.2	3592.5	4298.4	5087.2	5279.4	4785.6	4354.8	3851.0	3506.4	3539.5
65°	1769.7	1759.8	1842.7	2041.5	2429.3	2528.7	2462.4	2121.0	1945.4	1889.1	1892.4
67.5°	1438.3	1454.9	1445.0	1454.9	1481.4	1524.5	1514.6	1527.8	1537.8	1554.3	1551.0
70°	1219.6	1219.6	1226.2	1229.5	1229.5	1249.4	1272.6	1315.7	1319.0	1335.6	1342.2
72.5°	961.1	954.5	964.4	987.6	990.9	1007.5	1040.6	1067.2	1077.1	1077.1	1057.2
75°	652.9	659.5	672.8	692.7	712.5	742.4	768.9	785.4	792.1	782.1	772.2
77.5°	367.9	374.5	384.4	414.3	437.5	464.0	493.8	510.4	526.9	530.3	510.4
80°	218.7	218.7	235.3	258.5	285.0	311.5	338.0	357.9	364.6	364.6	354.6
82.5°	132.6	135.9	149.1	172.3	195.5	212.1	235.3	251.9	265.1	261.8	255.2
85°	69.6	69.6	82.9	102.7	119.3	135.9	135.9	125.9	119.3	102.7	96.1
87.5°	23.2	19.9	26.5	26.5	23.2	26.5	26.5	29.8	29.8	29.8	29.8
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)