

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: P534154

Luminaire Tested: **GALN-SA9C-827-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534154
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9C-827-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39748 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

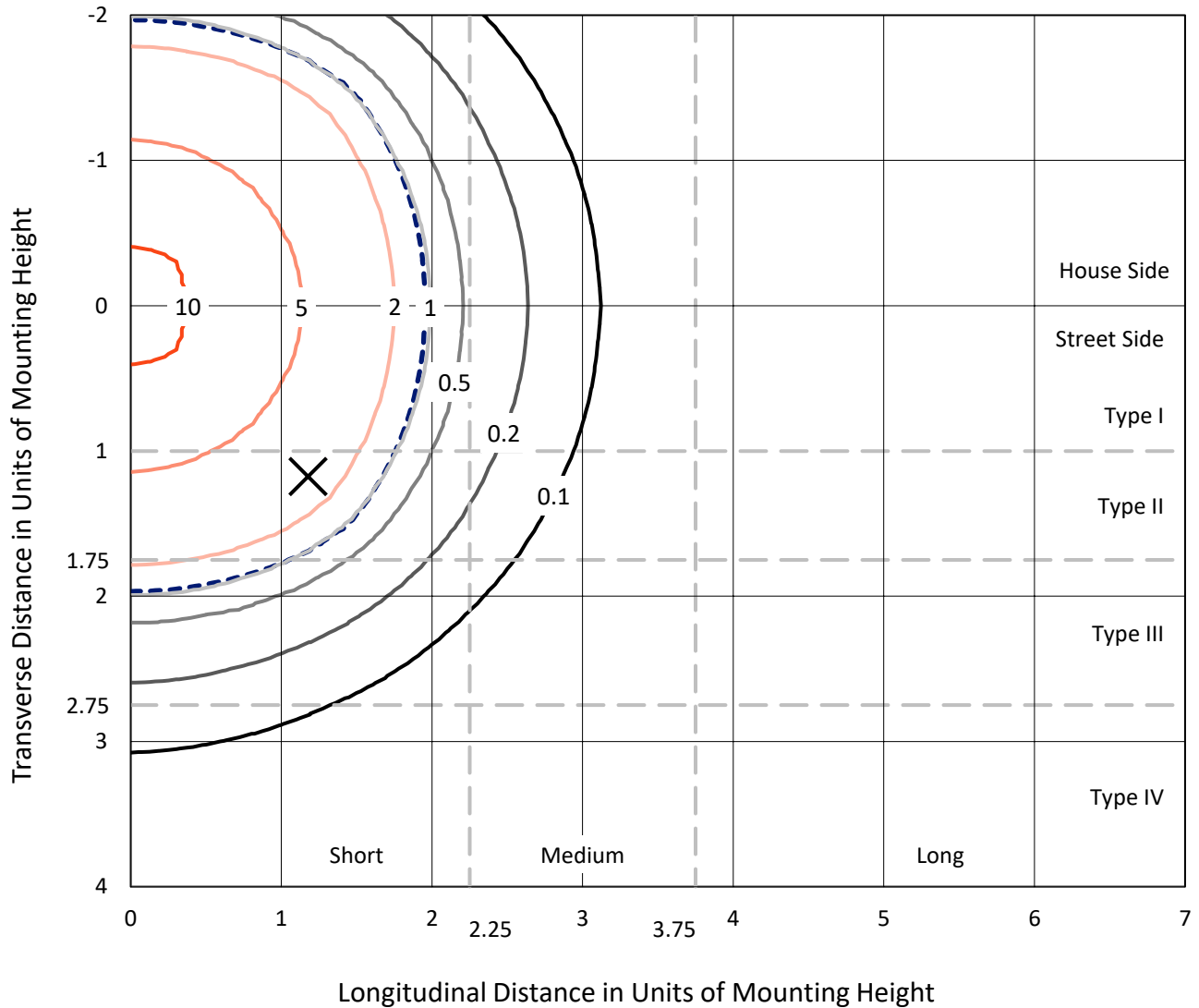
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P534154
 CATALOG NUMBER: GALN-SA9C-827-U-5WQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

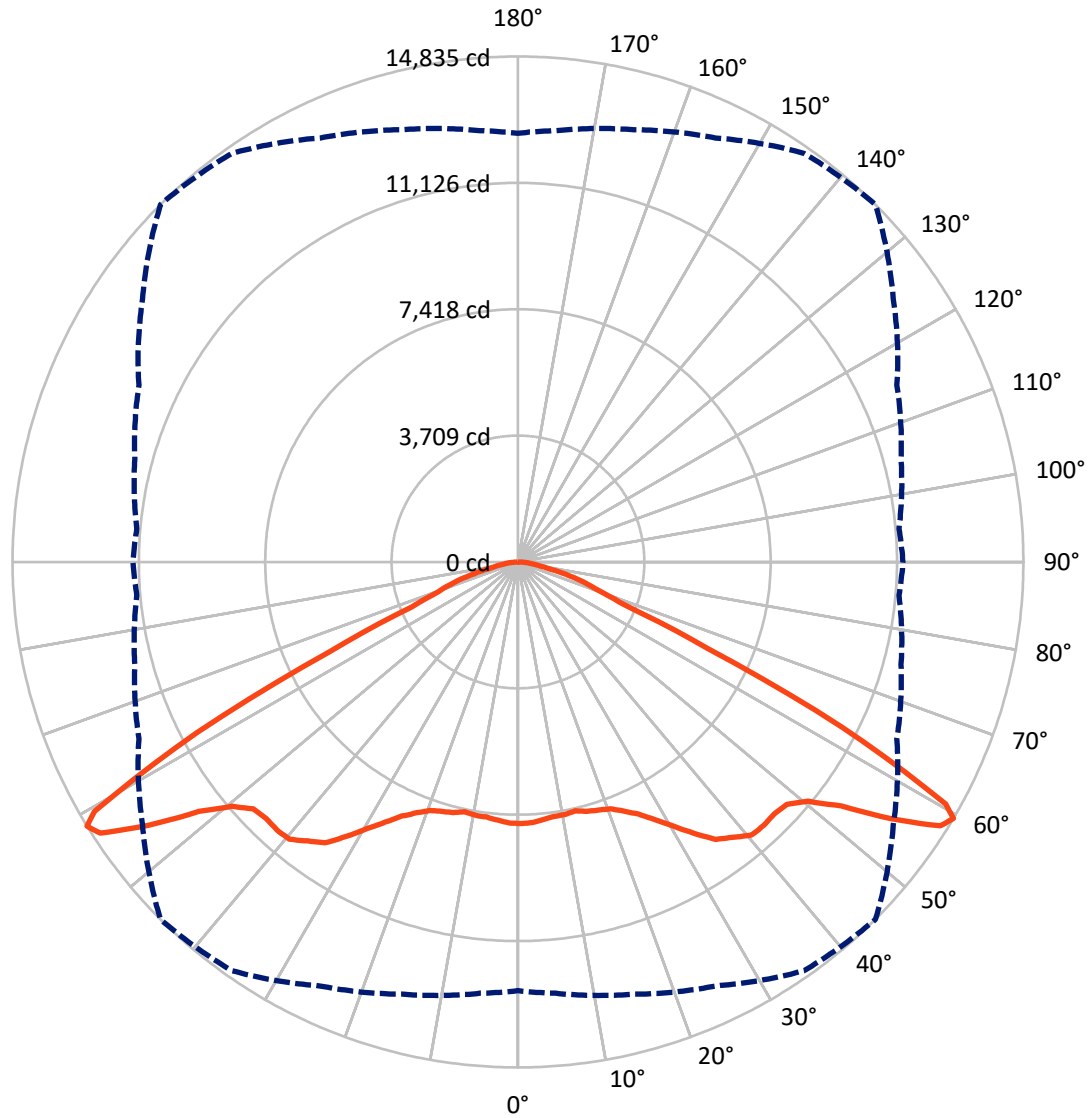
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc
 Type V - Short - N/A

REPORT NUMBER: P534154
CATALOG NUMBER: GALN-SA9C-827-U-5WQ-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

REPORT NUMBER: P534154
 CATALOG NUMBER: GALN-SA9C-827-U-5WQ-GRSWH

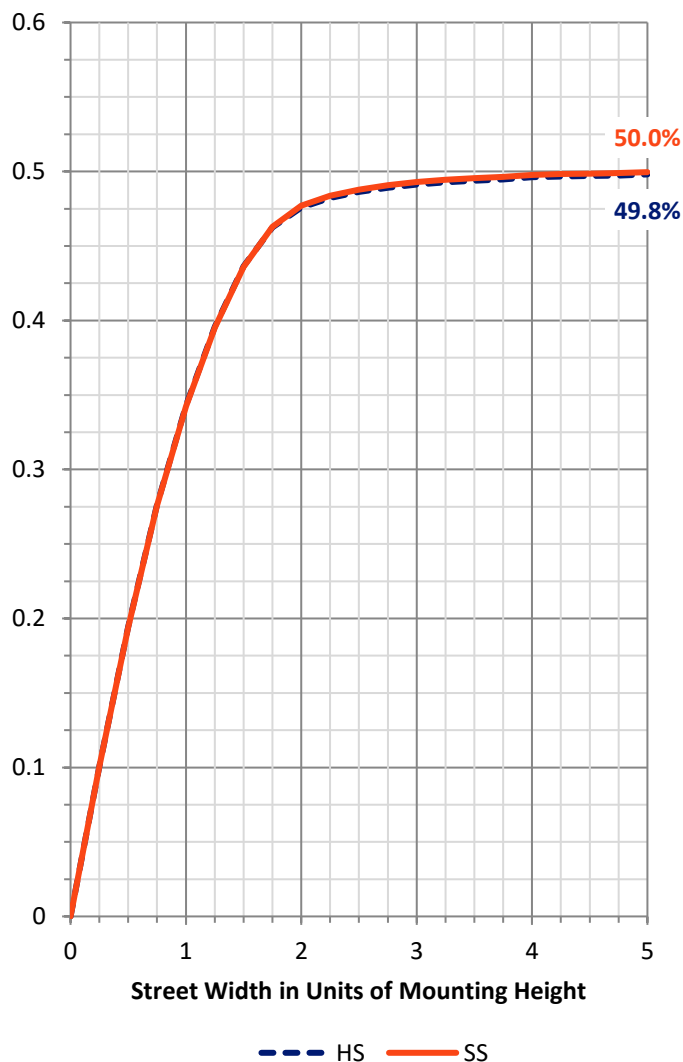
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19874.0	0.0	19874.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19874.0	0.0	19874.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39748.0	0.0	39748.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	723.7	1.8
10°-20°	2152.3	5.4
20°-30°	3758.1	9.5
30°-40°	6002.2	15.1
40°-50°	8176.2	20.6
50°-60°	11056.4	27.8
60°-70°	6063.4	15.3
70°-80°	1551.2	3.9
80°-90°	264.6	0.7
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°	39748.0	100.0
0°-180°	39748.0	100.0

Coefficient of Utilization



REPORT NUMBER: P534154

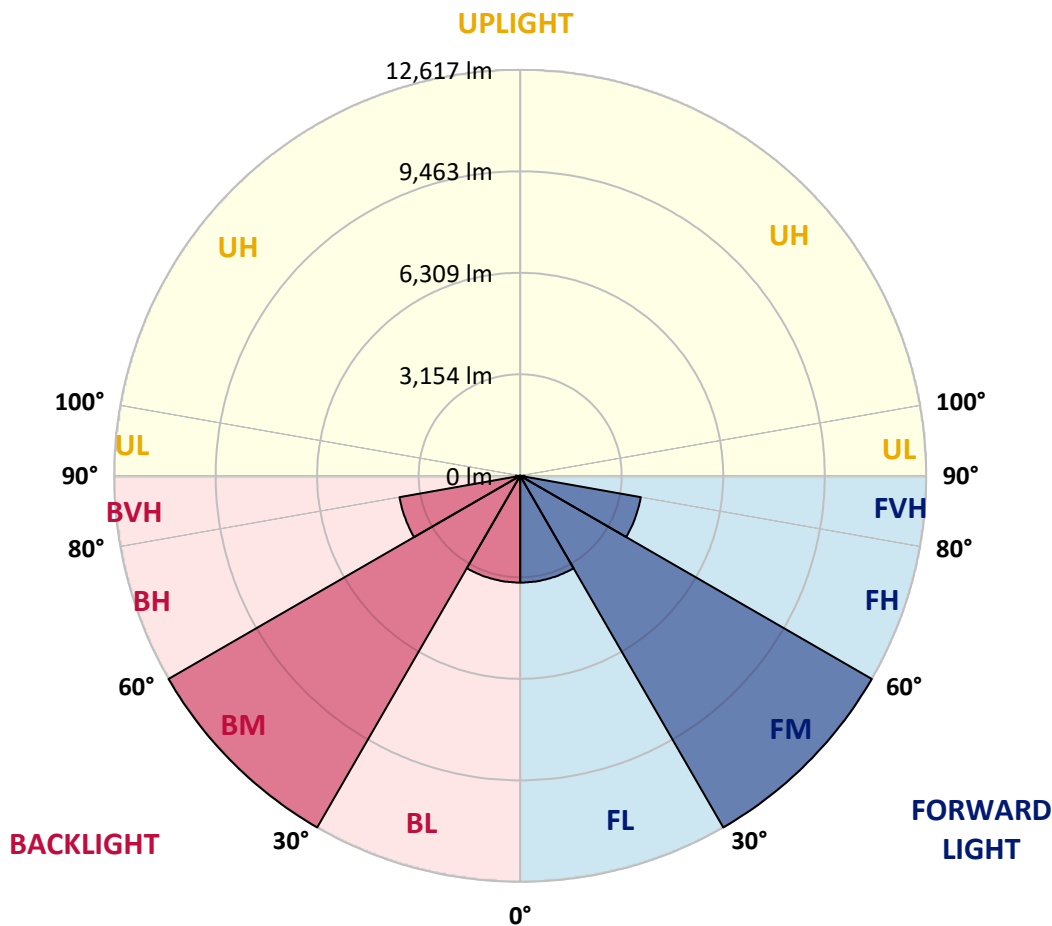
CATALOG NUMBER: GALN-SA9C-827-U-5WQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3317.0	8.3			
FM (30°-60°)	12617.4	31.7			
FH (60°-80°)	3807.3	9.6			G2/5000
FVH (80°-90°)	132.3	0.3			G2/225
BL (0°-30°)	3317.0	8.3	B4/5000		
BM (30°-60°)	12617.4	31.7	B5		
BH (60°-80°)	3807.3	9.6	B4/5000		G2/5000
BVH (80°-90°)	132.3	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-G2

Type V Short





REPORT NUMBER: P534154

CATALOG NUMBER: GALN-SA9C-827-U-5WQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7677.4	7677.4	7677.4	7677.4	7677.4	7677.4	7677.4	7677.4	7677.4	7677.4	7677.4
2.5°	7631.6	7687.6	7646.8	7682.5	7677.4	7662.1	7636.7	7621.4	7601.0	7631.6	7580.6
5°	7601.0	7646.8	7692.7	7631.6	7631.6	7601.0	7585.7	7555.1	7555.1	7550.1	7545.0
7.5°	7651.9	7606.1	7585.7	7595.9	7606.1	7539.9	7585.7	7524.6	7473.6	7509.3	7550.1
10°	7606.1	7626.5	7550.1	7585.7	7529.7	7539.9	7509.3	7550.1	7494.0	7494.0	7494.0
12.5°	7651.9	7595.9	7621.4	7595.9	7580.6	7494.0	7534.8	7488.9	7483.8	7534.8	7488.9
15°	7743.6	7651.9	7631.6	7580.6	7595.9	7595.9	7555.1	7560.2	7504.2	7534.8	7545.0
17.5°	7713.1	7662.1	7646.8	7585.7	7636.7	7651.9	7575.5	7524.6	7560.2	7555.1	7550.1
20°	7738.5	7758.9	7743.6	7753.8	7774.2	7733.5	7662.1	7590.8	7545.0	7611.2	7606.1
22.5°	7901.6	7881.2	7871.0	7860.8	7896.5	7937.2	7840.4	7728.4	7728.4	7774.2	7794.6
25°	8034.0	8028.9	8023.8	8069.7	8192.0	8192.0	8069.7	7927.0	7891.4	7921.9	7896.5
27.5°	8227.6	8283.7	8263.3	8344.8	8523.1	8563.9	8400.8	8232.7	8135.9	8100.3	8146.1
30°	8670.8	8604.6	8619.9	8706.5	8864.4	8996.9	8747.3	8569.0	8436.5	8431.4	8451.8
32.5°	8966.3	9017.3	9063.1	9144.6	9394.3	9496.1	9195.6	8905.2	8823.7	8777.8	8793.1
35°	9557.3	9511.4	9501.2	9582.8	9832.4	10000.5	9623.5	9368.8	9261.8	9363.7	9363.7
37.5°	10117.7	9990.3	9893.5	10000.5	10229.8	10250.1	9929.2	9791.6	9735.6	9852.8	9847.7
40°	10382.6	10372.4	10148.2	10209.4	10515.0	10545.6	10245.0	10082.0	10071.8	10224.7	10377.5
42.5°	10657.7	10560.9	10336.7	10377.5	10566.0	10576.2	10290.9	10245.0	10357.1	10504.9	10515.0
45°	10703.5	10622.0	10479.4	10377.5	10515.0	10545.6	10377.5	10408.1	10418.3	10596.6	10596.6
47.5°	10795.2	10785.1	10703.5	10627.1	10652.6	10627.1	10520.1	10566.0	10718.8	10805.4	10764.7
50°	11050.0	10943.0	11024.5	10958.3	10963.4	11034.7	10937.9	10983.7	10953.2	10876.8	10825.8
52.5°	11610.4	11559.4	11630.7	11676.6	11727.5	11890.6	11778.5	11533.9	11304.7	11100.9	11095.8
55°	12430.6	12466.2	12603.8	12838.1	13036.8	13296.6	12756.6	12170.8	11804.0	11483.0	11503.4
57.5°	13204.9	13179.5	13368.0	13902.9	14483.7	14616.1	13556.5	12721.0	12124.9	11921.1	11834.5
59°	12583.4	12705.7	13133.6	13729.7	14641.6	14835.2	13449.5	12272.7	11640.9	11228.3	11299.6
60°	11605.3	11651.1	12033.2	12863.6	14096.5	14427.6	12731.2	11579.8	10739.2	10499.8	10606.8
62.5°	8202.1	8166.5	8441.6	9119.2	10224.7	10673.0	9465.6	8655.6	8125.7	7860.8	7921.9
65°	4360.9	4523.9	4636.0	5058.8	5644.7	6118.5	5619.2	5267.7	4972.2	4753.2	4748.1
67.5°	2944.6	2924.2	2949.7	3046.5	3245.2	3377.7	3367.5	3189.2	3163.7	3122.9	3168.8
70°	2481.0	2470.8	2425.0	2425.0	2465.7	2496.3	2532.0	2552.3	2593.1	2644.0	2639.0
72.5°	2012.3	1986.9	1956.3	1941.0	1991.9	2007.2	2053.1	2073.5	2109.1	2104.0	2149.9
75°	1329.7	1329.7	1365.3	1406.1	1421.4	1451.9	1457.0	1518.2	1518.2	1528.4	1487.6
77.5°	743.8	723.4	748.9	789.6	825.3	881.3	937.4	983.2	1008.7	998.5	998.5
80°	433.0	433.0	458.5	504.4	550.2	601.2	641.9	677.6	703.0	692.9	672.5
82.5°	270.0	270.0	295.5	341.3	377.0	407.6	463.6	509.5	540.0	529.8	504.4
85°	137.6	137.6	168.1	198.7	244.5	264.9	259.8	239.4	234.3	208.9	208.9
87.5°	35.7	35.7	50.9	56.0	45.9	50.9	50.9	50.9	50.9	50.9	56.0
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)