

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: P534158

Luminaire Tested: **GALN-SA9C-827-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534158  
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-SA9C-827-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 80 CRI, 2700K, 1050mA 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: 41054 lumens  
Efficiency: N/A  
Efficacy: 85.4 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

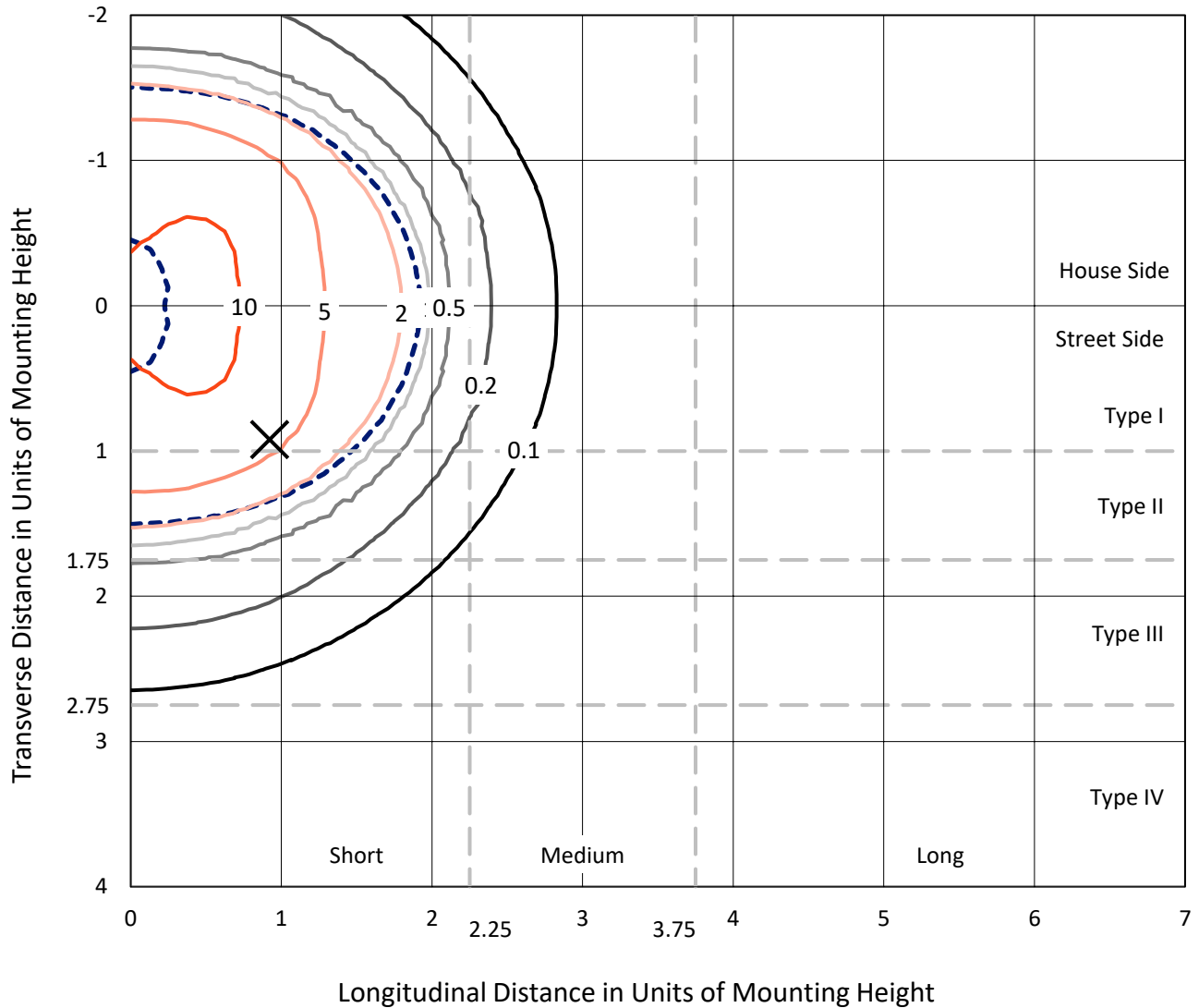
Input Watts (W): 481  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P534158  
 CATALOG NUMBER: GALN-SA9C-827-U-RW-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

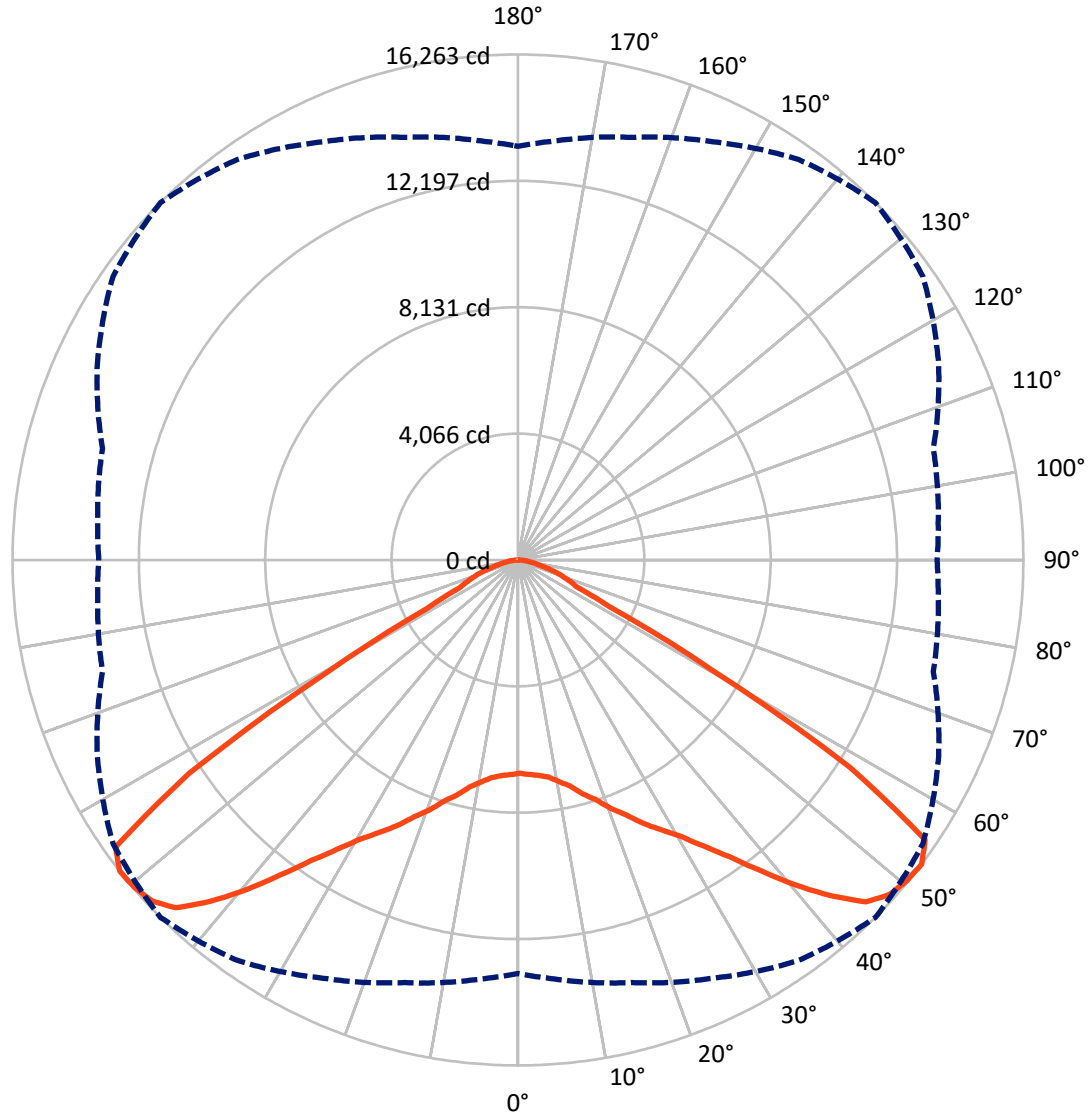
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P534158  
CATALOG NUMBER: GALN-SA9C-827-U-RW-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P534158  
 CATALOG NUMBER: GALN-SA9C-827-U-RW-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20527.0	0.0	20527.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20527.0	0.0	20527.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	41054.0	0.0	41054.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	674.2	1.6
10°-20°	2215.5	5.4
20°-30°	4218.0	10.3
30°-40°	7242.6	17.6
40°-50°	11132.1	27.1
50°-60°	11304.5	27.5
60°-70°	3150.4	7.7
70°-80°	929.3	2.3
80°-90°	187.2	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°	41054.0	100.0
0°-180°	41054.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P534158

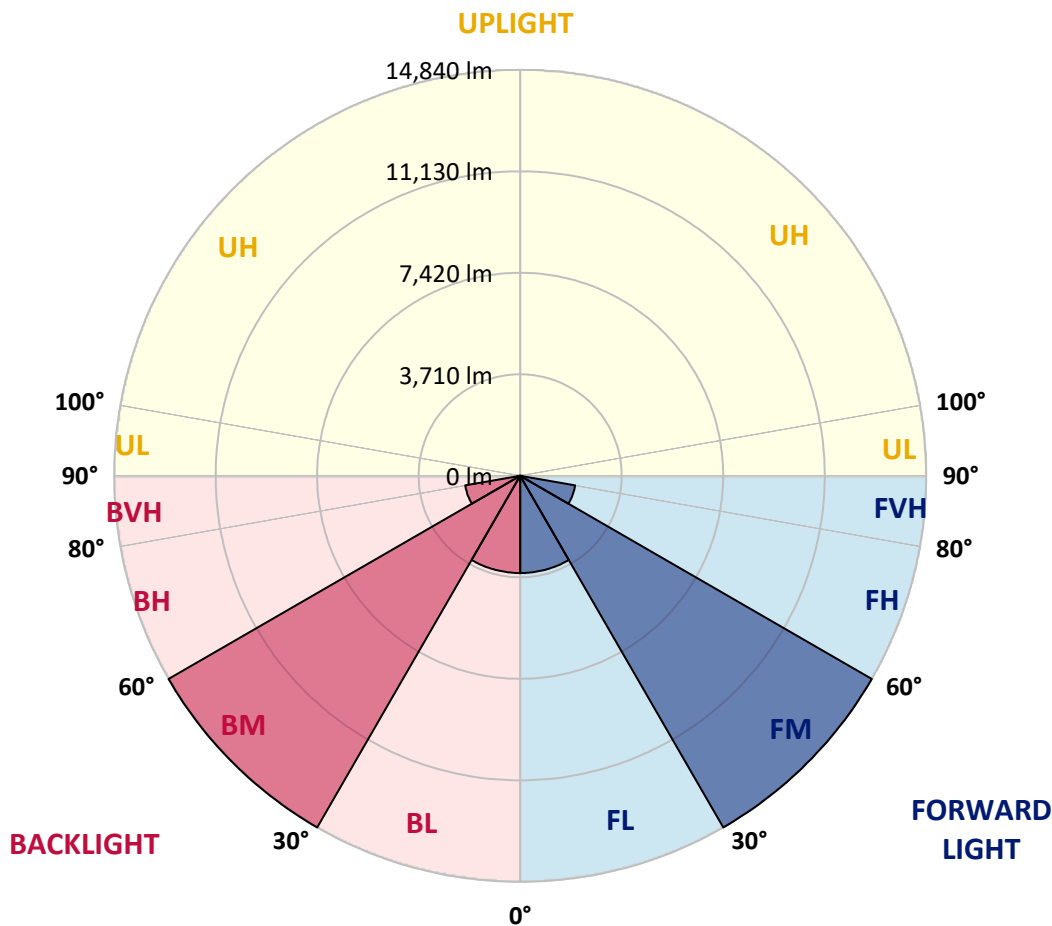
CATALOG NUMBER: GALN-SA9C-827-U-RW-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3553.9	8.7			
FM (30°-60°)	14839.6	36.1			
FH (60°-80°)	2039.9	5.0			G2/5000
FVH (80°-90°)	93.6	0.2			G1/100
BL (0°-30°)	3553.9	8.7	B4/5000		
BM (30°-60°)	14839.6	36.1	B5		
BH (60°-80°)	2039.9	5.0	B3/2500		G2/5000
BVH (80°-90°)	93.6	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-G2**

Type V Short





REPORT NUMBER: P534158

CATALOG NUMBER: GALN-SA9C-827-U-RW-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6862.7	6862.7	6862.7	6862.7	6862.7	6862.7	6862.7	6862.7	6862.7	6862.7	6862.7
2.5°	6878.0	6806.7	6832.1	6847.4	6913.7	6908.6	6893.3	6913.7	6934.0	6939.1	6928.9
5°	6872.9	6822.0	6842.3	6857.6	6923.9	6959.5	6949.3	7035.9	7097.1	7081.8	7158.2
7.5°	6832.1	6862.7	6837.2	6913.7	6969.7	7056.3	7148.0	7229.5	7306.0	7392.6	7407.9
10°	6923.9	6923.9	6969.7	7030.8	7178.6	7244.8	7377.3	7494.5	7642.2	7744.1	7703.4
12.5°	7020.7	7035.9	7035.9	7193.9	7316.2	7463.9	7586.2	7744.1	7953.0	8075.3	8136.4
15°	7117.5	7127.6	7178.6	7392.6	7576.0	7810.4	7922.4	8065.1	8182.3	8411.5	8416.6
17.5°	7204.1	7260.1	7413.0	7652.4	7881.7	8105.9	8284.2	8431.9	8533.8	8625.5	8605.1
20°	7530.1	7570.9	7728.8	7968.3	8309.6	8528.7	8589.9	8615.3	8681.6	8865.0	8808.9
22.5°	7846.0	7861.3	8009.1	8375.9	8615.3	8905.7	8972.0	8956.7	8982.2	9028.0	9109.5
25°	8172.1	8197.6	8401.4	8712.1	9048.4	9394.8	9450.9	9333.7	9298.0	9349.0	9354.1
27.5°	8589.9	8595.0	8854.8	9124.8	9506.9	9833.0	9919.6	9827.9	9659.8	9700.5	9766.8
30°	9119.7	9084.1	9343.9	9731.1	10133.6	10317.0	10464.8	10418.9	10235.5	10199.8	10143.8
32.5°	9731.1	9741.3	9975.6	10398.5	10663.4	10969.1	11127.1	11050.7	10933.5	10872.3	10908.0
35°	10592.1	10638.0	10795.9	11147.5	11575.4	11728.3	11977.9	11814.9	11509.2	11585.6	11651.8
37.5°	11300.3	11432.8	11728.3	12146.0	12400.8	12681.0	12772.7	12553.6	12329.5	12237.7	12456.8
40°	12385.5	12344.7	12670.8	13088.6	13465.6	13745.8	13628.6	13409.6	12854.2	12859.3	12920.5
42.5°	13317.8	13338.2	13587.9	14087.2	14601.7	14775.0	14403.0	13868.1	13251.6	13185.4	13317.8
45°	14102.5	14184.0	14326.6	14994.0	15498.4	15686.9	14999.1	14367.4	13542.0	13266.9	13486.0
47.5°	14382.7	14515.1	14825.9	15437.3	15936.6	16089.4	15539.2	14632.3	13812.0	13363.7	13480.9
50°	14423.4	14377.6	14887.1	15447.5	15885.6	16216.8	15732.8	14825.9	13745.8	13511.5	13475.8
52.5°	13307.7	13531.8	14077.0	14846.3	15732.8	16262.7	15906.0	14932.9	13837.5	13572.6	13486.0
55°	10770.4	10505.5	11499.0	12793.1	14423.4	15895.8	15844.9	14988.9	13893.6	13674.5	13557.3
57.5°	6011.9	6088.3	6648.7	8054.9	10159.1	12604.6	14087.2	14397.9	13868.1	13740.7	13801.9
60°	2781.8	2807.2	3046.7	3703.9	5008.2	7148.0	9099.3	11081.2	11993.2	12176.6	12176.6
62.5°	2073.6	2063.4	2124.5	2241.7	2516.8	3286.2	4386.6	5960.9	7214.3	8090.6	8319.8
65°	1874.9	1869.8	1900.4	1941.1	1961.5	2068.5	2313.0	2797.1	3204.6	3439.0	3398.2
67.5°	1640.5	1635.4	1645.6	1671.1	1706.8	1762.8	1823.9	1925.8	2068.5	2058.3	2032.8
70°	1324.7	1324.7	1339.9	1360.3	1401.1	1467.3	1538.6	1610.0	1732.2	1757.7	1752.6
72.5°	978.2	962.9	993.5	1034.2	1075.0	1156.5	1232.9	1299.2	1385.8	1411.3	1401.1
75°	621.6	631.8	652.1	698.0	769.3	825.4	906.9	962.9	1019.0	1039.3	1044.4
77.5°	346.4	356.6	392.3	448.3	519.7	580.8	652.1	698.0	733.7	738.7	743.8
80°	208.9	214.0	249.6	300.6	361.7	428.0	484.0	529.9	560.4	545.1	540.1
82.5°	127.4	132.5	163.0	208.9	259.8	310.8	371.9	412.7	443.2	422.9	402.5
85°	66.2	71.3	96.8	127.4	168.1	193.6	193.6	173.2	168.1	157.9	152.8
87.5°	20.4	20.4	25.5	30.6	25.5	30.6	35.7	40.8	40.8	45.9	40.8
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)