

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: P526669

Luminaire Tested: **GALN-SA1C-827-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526669
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-827-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3379 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

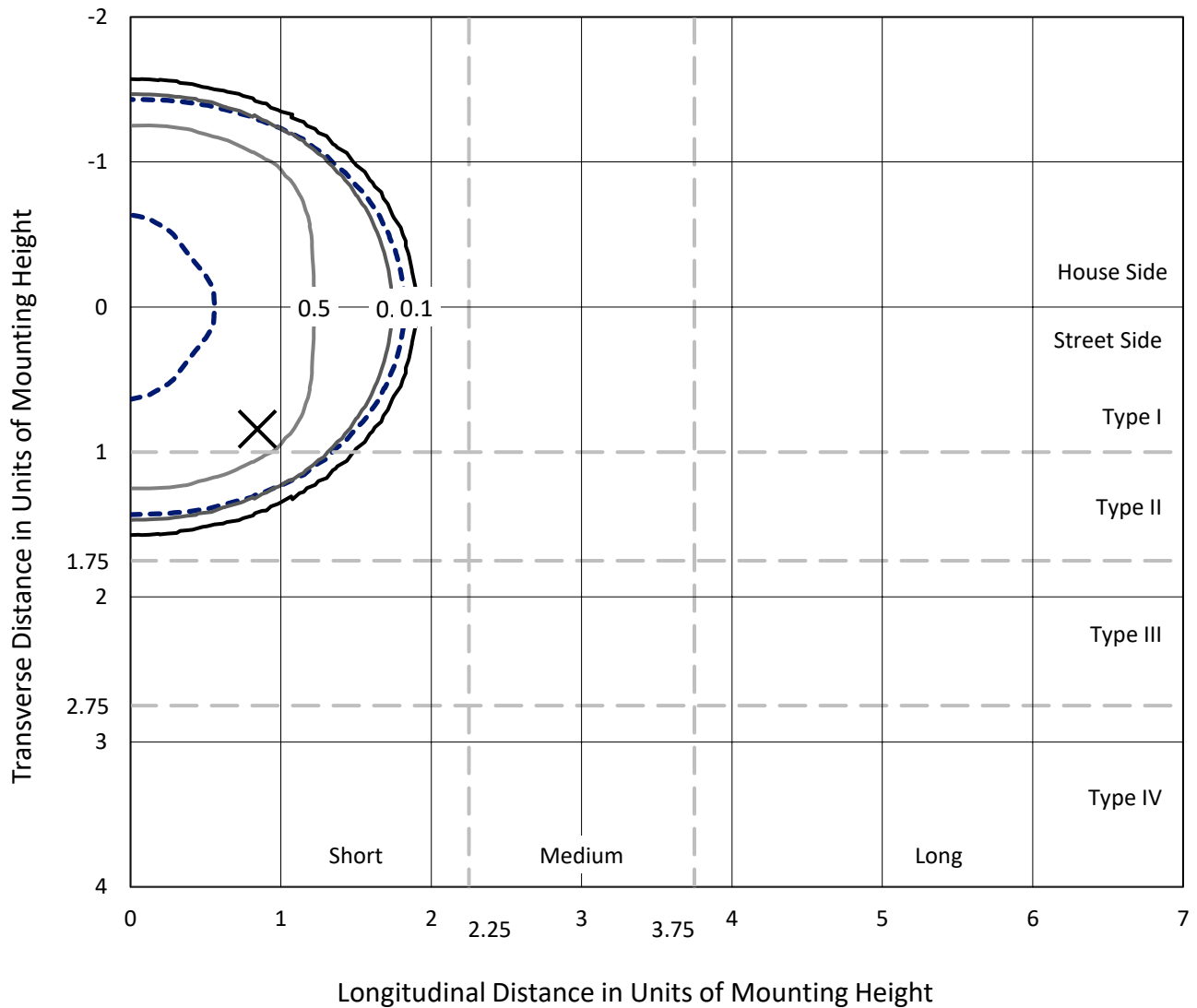
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526669
 CATALOG NUMBER: GALN-SA1C-827-U-RW-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

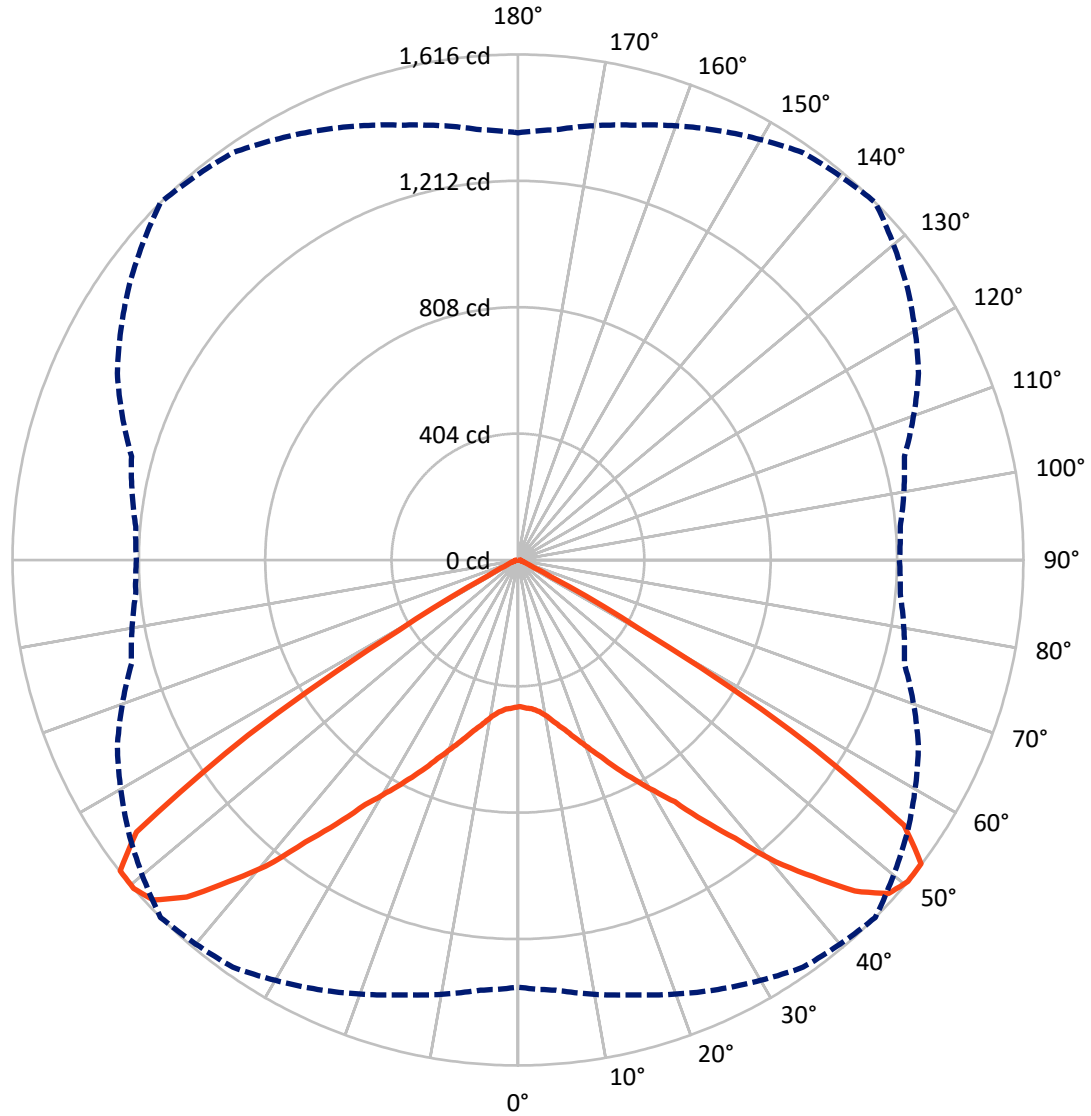
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

REPORT NUMBER: P526669
CATALOG NUMBER: GALN-SA1C-827-U-RW-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P526669
 CATALOG NUMBER: GALN-SA1C-827-U-RW-GRSBK

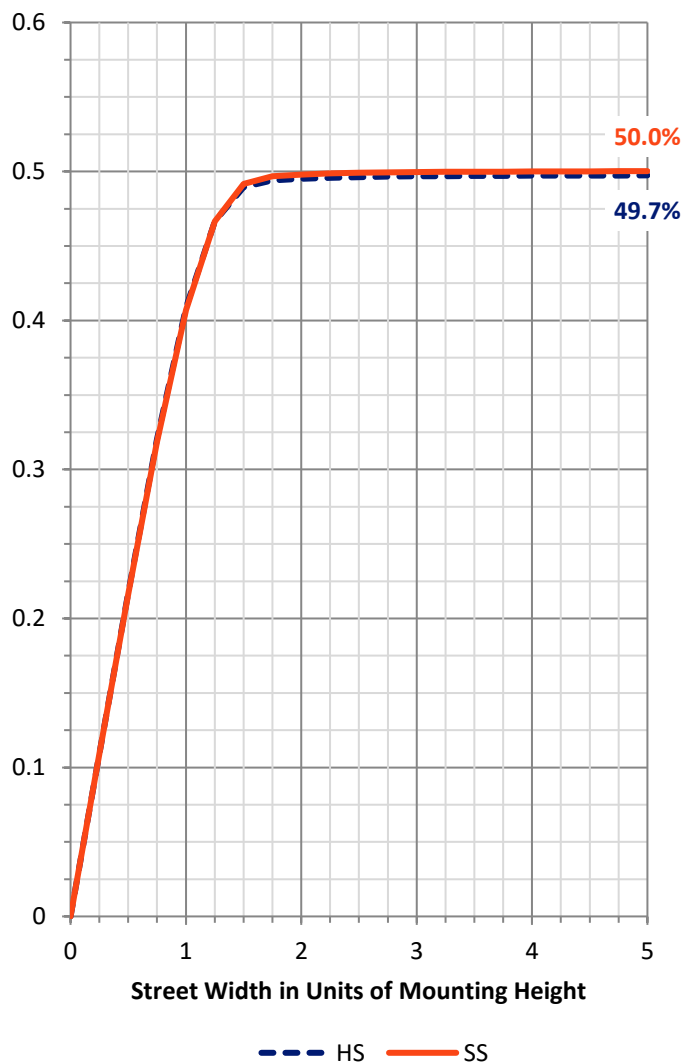
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1689.5	0.0	1689.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1689.5	0.0	1689.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3379.0	0.0	3379.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.6	1.4
10°-20°	160.6	4.8
20°-30°	328.1	9.7
30°-40°	625.6	18.5
40°-50°	1054.3	31.2
50°-60°	1005.4	29.8
60°-70°	140.4	4.2
70°-80°	13.4	0.4
80°-90°	4.6	0.1
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°	3379.0	100.0
0°-180°	3379.0	100.0

Coefficient of Utilization



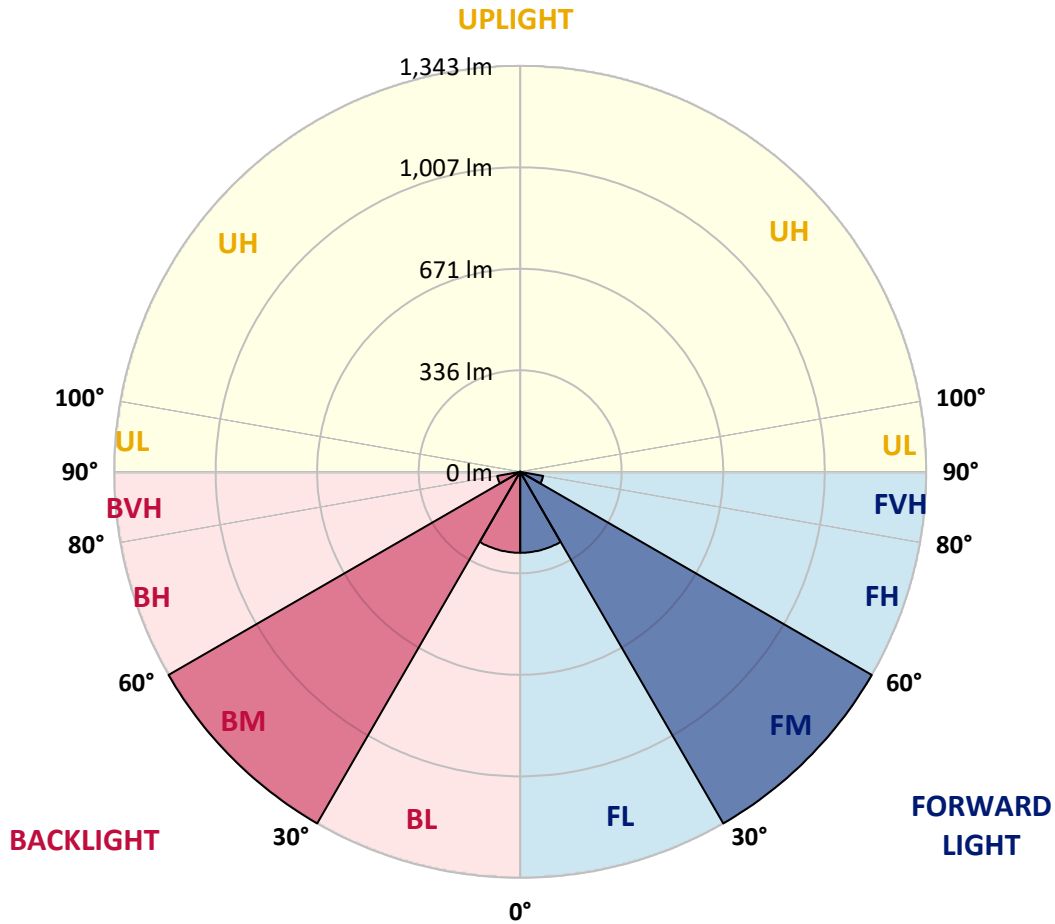
REPORT NUMBER: P526669
 CATALOG NUMBER: GALN-SA1C-827-U-RW-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	267.6	7.9			
FM (30°-60°)	1342.6	39.7			
FH (60°-80°)	76.9	2.3			G0/660
FVH (80°-90°)	2.3	0.1			G0/10
BL (0°-30°)	267.6	7.9	B1/500		
BM (30°-60°)	1342.6	39.7	B2/2500		
BH (60°-80°)	76.9	2.3	B0/110		G0/660
BVH (80°-90°)	2.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





REPORT NUMBER: P526669

CATALOG NUMBER: GALN-SA1C-827-U-RW-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	468.5	468.5	468.5	468.5	468.5	468.5	468.5	468.5	468.5	468.5	468.5
2.5°	466.8	466.8	466.2	470.7	468.5	473.6	473.0	474.7	476.4	475.9	480.4
5°	462.8	462.2	462.2	467.3	472.4	478.1	483.2	486.7	492.3	492.3	498.0
7.5°	466.8	463.9	467.9	470.2	479.8	489.5	498.0	504.8	517.9	522.5	520.8
10°	467.9	471.3	474.1	481.0	492.9	507.7	515.1	532.1	546.9	557.2	559.4
12.5°	475.3	480.4	488.4	504.8	515.6	535.0	545.2	561.7	582.2	593.5	601.5
15°	489.5	491.2	501.4	522.5	545.8	563.4	579.3	591.3	611.2	624.2	624.8
17.5°	507.7	515.1	529.3	549.2	573.6	599.8	612.3	625.4	632.8	650.4	654.4
20°	544.1	545.2	558.9	585.0	615.7	639.6	648.7	655.5	652.7	670.9	674.3
22.5°	578.2	579.3	596.4	631.6	664.6	685.1	689.0	685.1	676.5	689.6	690.8
25°	612.9	623.1	635.6	670.9	711.8	739.1	739.6	728.8	711.2	713.5	719.2
27.5°	666.9	674.3	687.3	719.7	764.7	795.4	790.2	777.2	754.4	756.1	754.4
30°	730.0	736.8	747.6	789.1	822.1	855.6	863.0	850.5	816.4	809.0	817.5
32.5°	806.2	815.8	835.7	873.8	901.7	922.1	927.3	922.7	890.9	888.0	893.7
35°	898.8	911.9	930.1	963.6	986.4	1023.3	1023.3	1008.0	979.0	982.4	981.8
37.5°	996.6	1015.9	1044.4	1078.5	1109.2	1129.1	1122.8	1109.8	1080.8	1073.4	1080.8
40°	1119.4	1129.1	1164.9	1209.2	1246.8	1269.5	1242.8	1214.4	1145.0	1155.8	1175.7
42.5°	1231.4	1246.8	1274.1	1322.9	1365.6	1384.3	1352.5	1296.2	1212.7	1204.1	1218.9
45°	1326.9	1343.4	1379.2	1449.2	1494.1	1510.6	1440.1	1349.1	1253.6	1232.0	1238.2
47.5°	1390.6	1399.1	1449.2	1515.7	1556.6	1594.1	1492.9	1385.5	1272.9	1232.0	1229.7
50°	1366.2	1380.9	1439.5	1515.1	1589.6	1616.3	1519.7	1413.3	1279.2	1226.9	1220.0
52.5°	1213.2	1238.8	1304.2	1406.0	1518.5	1614.0	1556.6	1404.2	1276.9	1232.0	1242.2
55°	844.3	844.8	924.4	1074.5	1273.5	1498.6	1502.6	1414.5	1291.7	1263.8	1264.4
57.5°	339.4	356.5	417.3	568.0	751.6	1029.0	1223.5	1312.1	1293.4	1286.6	1304.2
60°	85.8	86.4	105.2	160.3	264.4	441.2	640.7	867.0	998.3	1043.2	1049.5
62.5°	43.8	44.3	48.9	56.9	72.2	118.3	210.4	333.7	474.7	546.3	565.1
65°	35.8	35.8	38.7	42.6	43.2	45.5	54.6	77.9	113.1	128.5	130.2
67.5°	27.3	27.3	29.6	31.8	33.0	32.4	31.3	32.4	39.2	37.5	36.4
70°	17.1	17.6	18.8	21.0	22.2	22.7	23.3	24.4	27.9	29.0	27.9
72.5°	10.2	10.2	10.8	12.5	14.2	15.4	17.1	18.2	19.9	22.7	22.2
75°	4.5	4.5	5.7	7.4	9.1	10.8	12.5	14.2	15.4	17.1	17.6
77.5°	1.1	1.7	2.8	5.1	6.8	9.1	11.4	13.1	14.2	14.2	13.6
80°	0.6	0.6	2.3	4.0	7.4	9.7	12.5	13.6	15.4	14.2	12.5
82.5°	0.6	0.6	2.3	4.0	6.8	9.7	13.1	14.8	15.9	14.2	11.9
85°	0.0	0.6	1.7	3.4	5.7	6.8	5.7	4.0	2.3	2.3	1.7
87.5°	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)