

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: P526505

Luminaire Tested: **GALN-SA1C-727-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526505  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1C-727-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

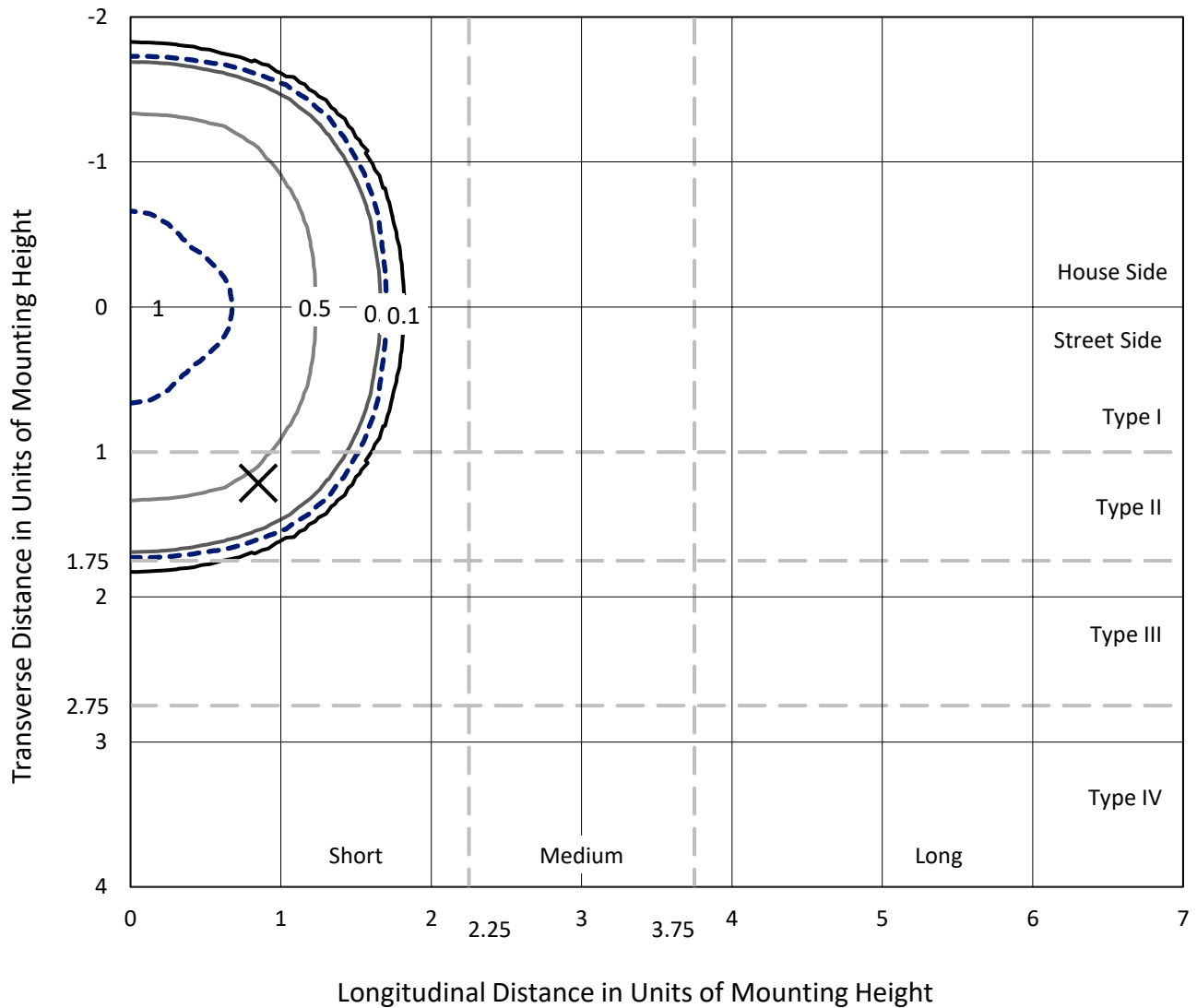
Lumens per Lamp: N/A  
Luminaire Lumens: 3571 lumens  
Efficiency: N/A  
Efficacy: 62.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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: P526505  
 CATALOG NUMBER: GALN-SA1C-727-U-5MQ-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

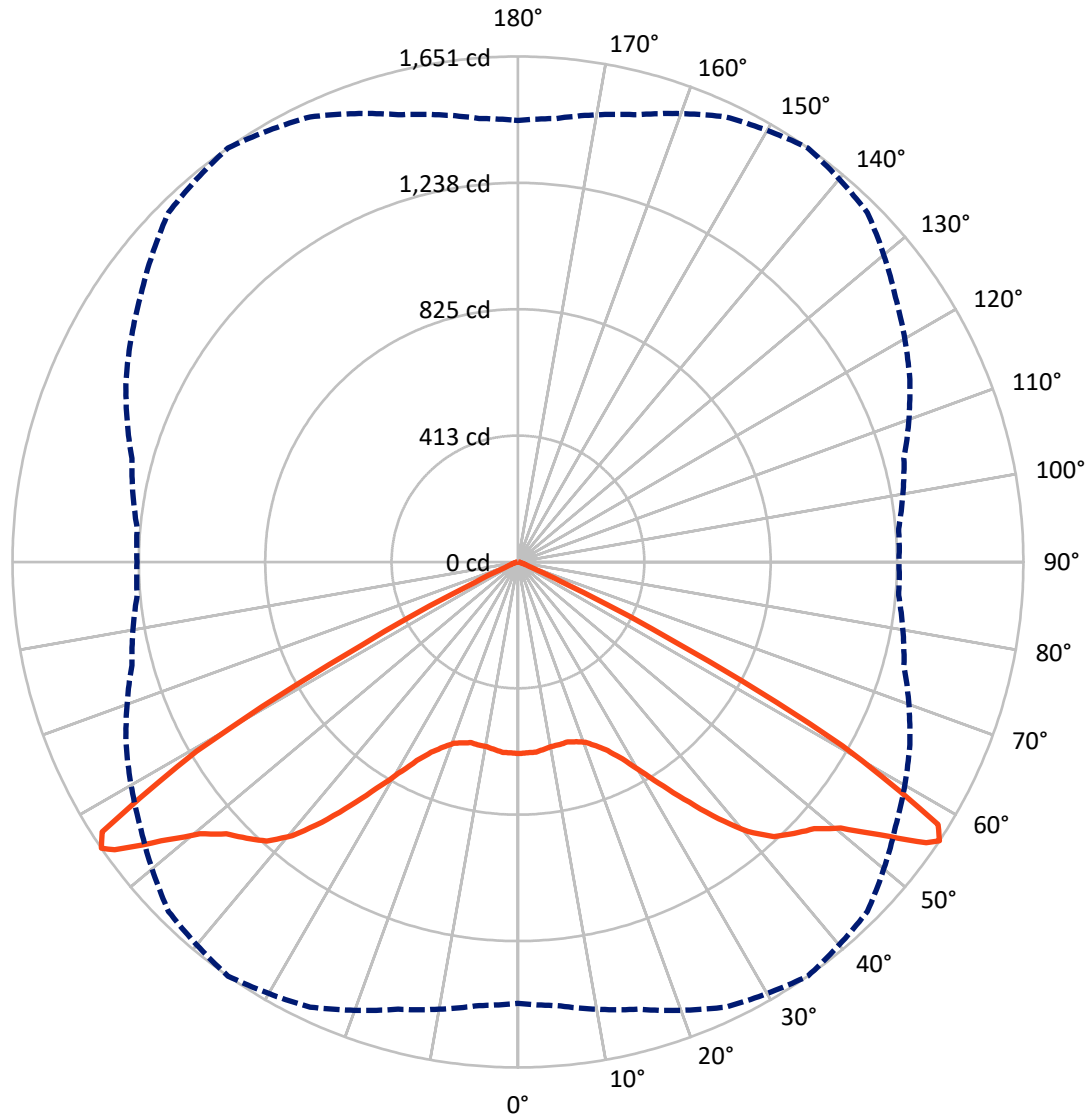
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type V - Short - N/A

REPORT NUMBER: P526505  
CATALOG NUMBER: GALN-SA1C-727-U-5MQ-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P526505  
 CATALOG NUMBER: GALN-SA1C-727-U-5MQ-GRSBK

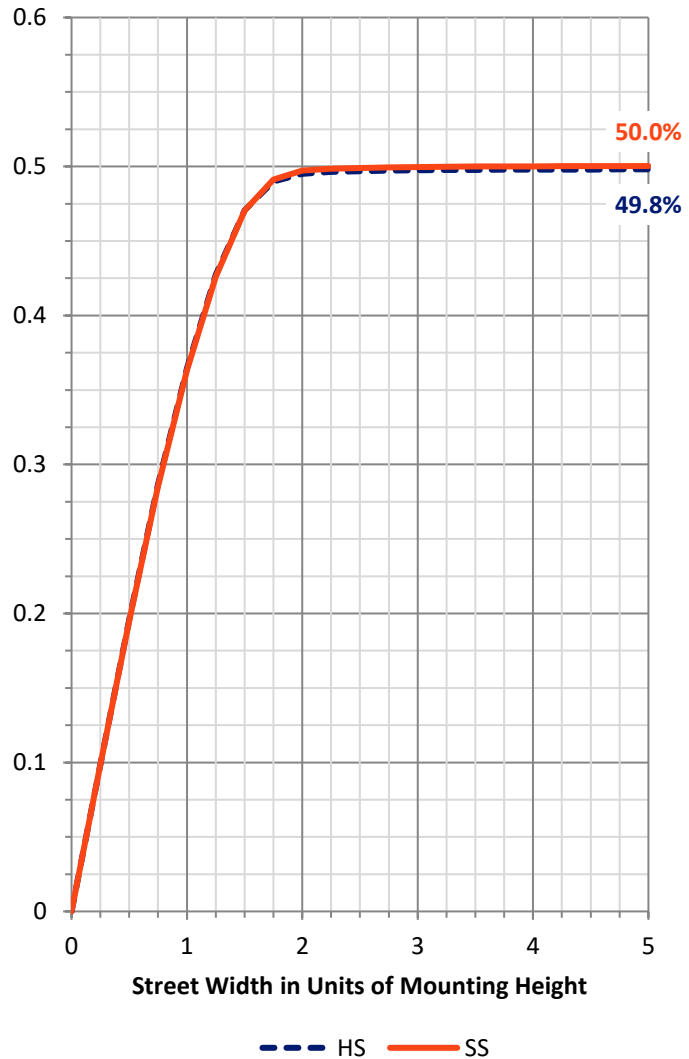
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1785.5	0.0	1785.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1785.5	0.0	1785.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3571.0	0.0	3571.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.8	1.6
10°-20°	171.7	4.8
20°-30°	310.9	8.7
30°-40°	576.5	16.1
40°-50°	946.3	26.5
50°-60°	1219.2	34.1
60°-70°	268.7	7.5
70°-80°	15.6	0.4
80°-90°	3.3	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°	3571.0	100.0
0°-180°	3571.0	100.0

**Coefficient of Utilization**

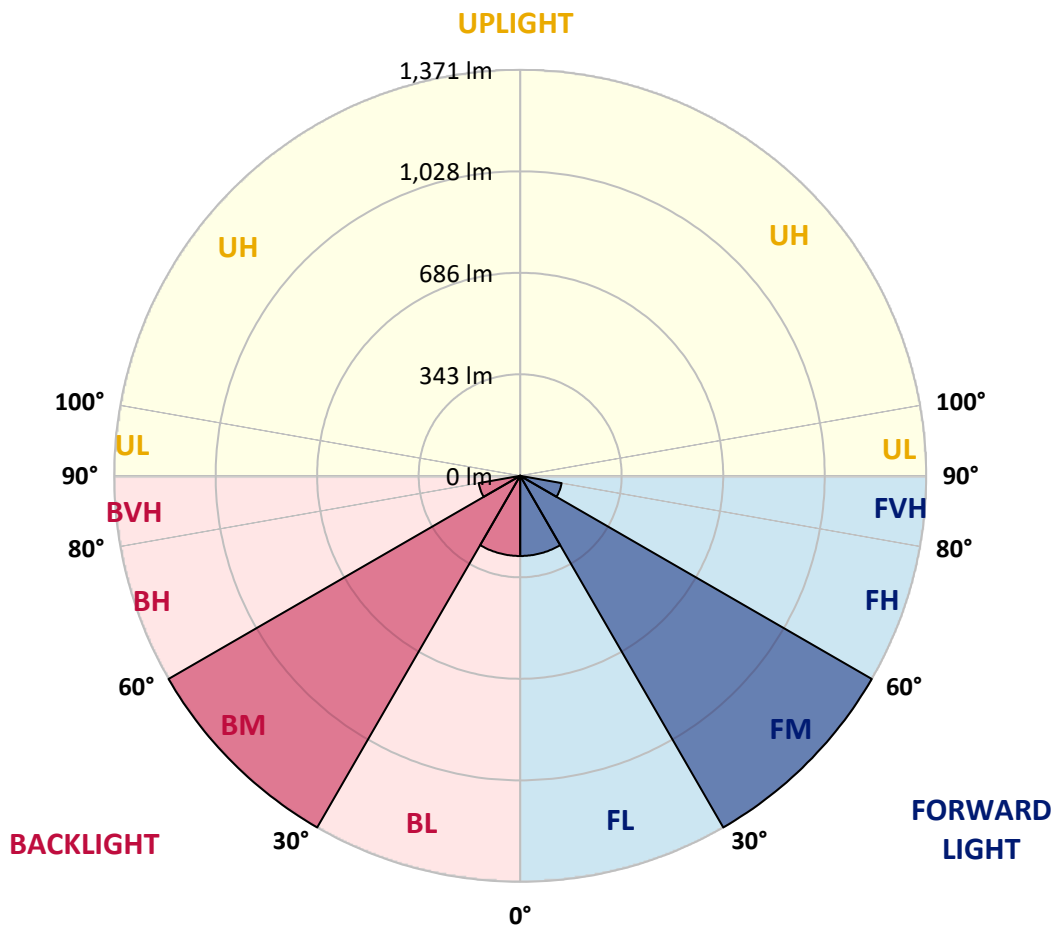


REPORT NUMBER: P526505  
 CATALOG NUMBER: GALN-SA1C-727-U-5MQ-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	270.7	7.6			
FM (30°-60°)	1371.0	38.4			
FH (60°-80°)	142.1	4.0			G0/660
FVH (80°-90°)	1.6	0.0			G0/10
BL (0°-30°)	270.7	7.6	B1/500		
BM (30°-60°)	1371.0	38.4	B2/2500		
BH (60°-80°)	142.1	4.0	B1/500		G0/660
BVH (80°-90°)	1.6	0.0			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: P526505

CATALOG NUMBER: GALN-SA1C-727-U-5MQ-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7
2.5°	627.0	627.0	627.7	628.3	623.8	621.8	622.5	621.2	620.5	622.5	622.5
5°	625.1	625.1	623.1	623.8	623.8	618.0	618.0	619.2	619.2	615.4	614.1
7.5°	619.9	618.6	616.0	619.2	617.3	617.3	612.8	609.5	608.2	610.8	608.2
10°	608.9	609.5	612.1	613.4	612.1	616.0	608.2	603.7	599.2	597.2	597.2
12.5°	603.7	607.6	603.7	607.0	611.5	608.2	603.7	600.5	594.0	591.4	591.4
15°	603.1	605.7	607.0	611.5	609.5	610.8	601.8	597.9	588.2	583.7	581.7
17.5°	602.4	605.7	607.6	616.0	617.3	618.0	610.8	599.2	590.8	586.2	581.7
20°	609.5	610.8	614.7	623.1	628.3	637.4	624.4	612.1	594.0	588.8	586.9
22.5°	618.6	625.1	629.0	638.0	651.6	659.4	642.5	627.0	608.2	601.8	594.0
25°	647.7	646.4	652.9	671.7	682.7	688.5	674.9	652.2	627.7	619.9	621.2
27.5°	684.0	685.2	691.1	711.8	728.0	737.0	720.8	691.1	667.1	654.2	652.9
30°	731.2	729.9	736.4	764.2	793.3	806.9	778.4	743.5	720.2	703.4	707.2
32.5°	781.0	781.7	799.8	825.0	872.2	898.8	852.8	810.1	775.2	763.5	757.7
35°	854.8	858.0	872.2	911.1	963.5	997.8	947.3	896.2	856.1	834.7	837.3
37.5°	946.0	942.8	966.7	1008.8	1063.8	1089.0	1046.3	988.1	947.3	933.1	942.1
40°	1043.1	1046.3	1058.6	1096.8	1158.3	1175.1	1111.7	1080.0	1044.4	1037.3	1048.3
42.5°	1140.1	1138.2	1147.3	1181.5	1226.2	1214.5	1177.0	1158.3	1133.0	1118.8	1133.7
45°	1211.3	1208.1	1224.9	1248.2	1264.4	1242.4	1225.5	1219.1	1206.1	1190.6	1204.2
47.5°	1280.6	1278.0	1294.1	1300.6	1301.9	1272.8	1276.0	1287.7	1255.3	1223.0	1238.5
50°	1339.4	1334.9	1355.0	1369.2	1366.0	1319.4	1331.0	1319.4	1268.9	1230.7	1224.9
52.5°	1437.8	1439.7	1461.1	1487.0	1479.2	1440.4	1423.6	1370.5	1305.8	1271.5	1251.4
55°	1499.9	1490.2	1527.1	1609.3	1618.3	1578.2	1503.8	1425.5	1328.4	1286.4	1281.2
56°	1441.7	1454.0	1512.2	1604.1	1650.7	1613.8	1505.7	1411.9	1305.1	1248.2	1244.3
57.5°	1293.5	1287.0	1366.0	1491.5	1618.3	1602.8	1452.7	1314.8	1190.6	1126.5	1118.8
60°	805.0	823.7	893.0	1048.3	1217.8	1225.5	1076.7	958.3	813.4	756.4	770.0
62.5°	315.1	298.9	342.3	458.1	574.6	600.5	544.2	452.3	371.4	315.1	311.2
65°	73.1	71.2	80.2	110.6	154.6	179.2	170.2	122.3	89.9	85.4	78.9
67.5°	41.4	41.4	39.5	39.5	43.4	45.9	44.0	43.4	45.3	47.2	46.6
70°	29.1	28.5	27.2	27.8	26.5	26.5	28.5	31.7	34.3	34.3	34.9
72.5°	17.5	17.5	17.5	19.4	19.4	19.4	21.4	23.9	24.6	23.9	23.3
75°	7.8	7.8	9.1	11.0	12.3	12.9	14.9	16.2	17.5	16.2	14.9
77.5°	1.9	1.9	3.2	4.5	5.8	7.1	9.7	11.6	12.3	11.6	9.7
80°	0.6	0.6	1.3	3.2	5.8	7.1	9.7	10.4	11.0	9.7	7.8
82.5°	0.6	0.6	1.3	3.2	4.5	5.8	7.8	9.1	9.7	8.4	7.8
85°	0.0	0.6	1.3	2.6	3.9	5.2	5.2	3.9	3.2	1.9	2.6
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)