

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: P526747

Luminaire Tested: **GALN-SA1D-727-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526747  
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-SA1D-727-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

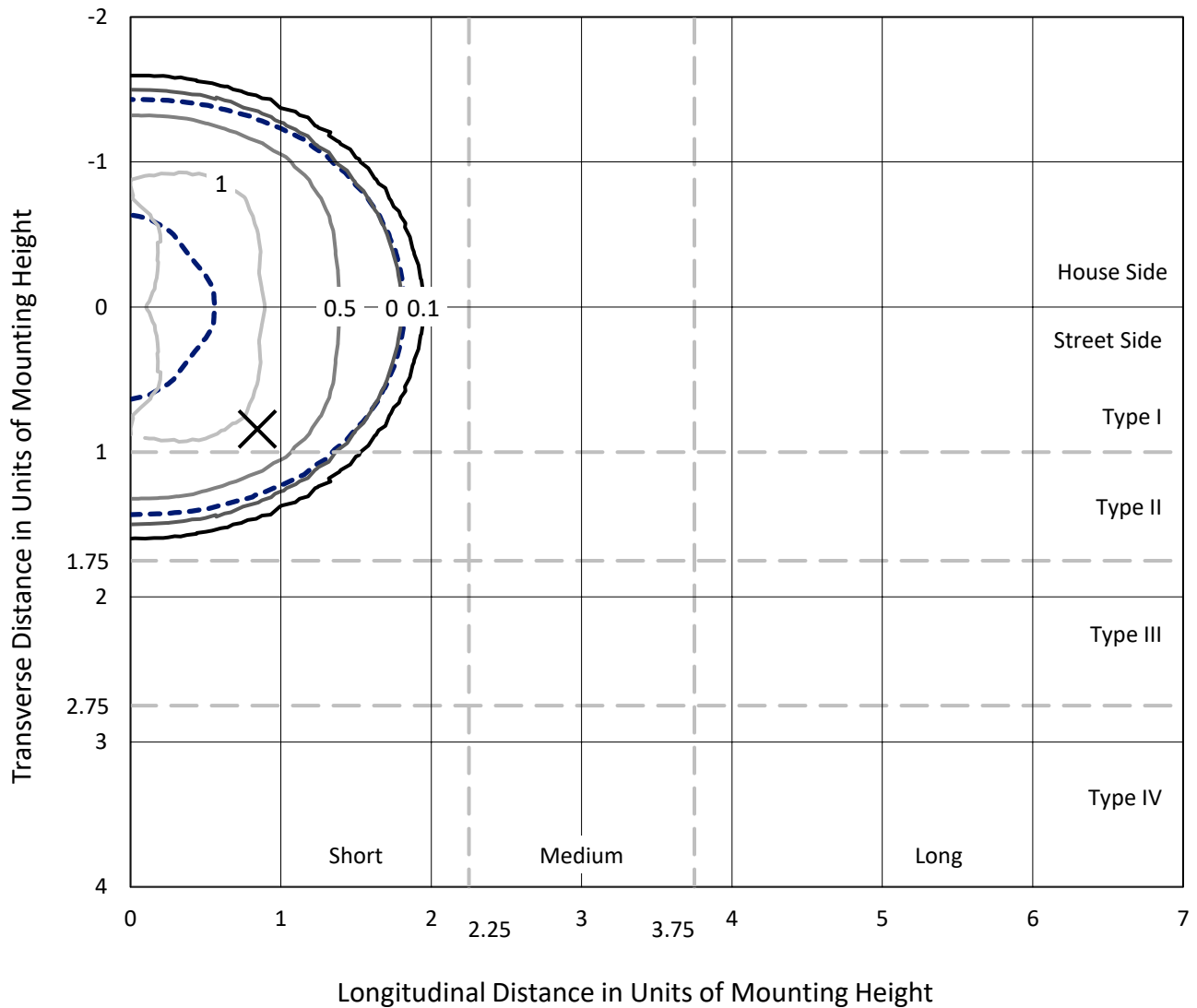
Lumens per Lamp: N/A  
Luminaire Lumens: 4231 lumens  
Efficiency: N/A  
Efficacy: 65.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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: P526747  
 CATALOG NUMBER: GALN-SA1D-727-U-RW-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

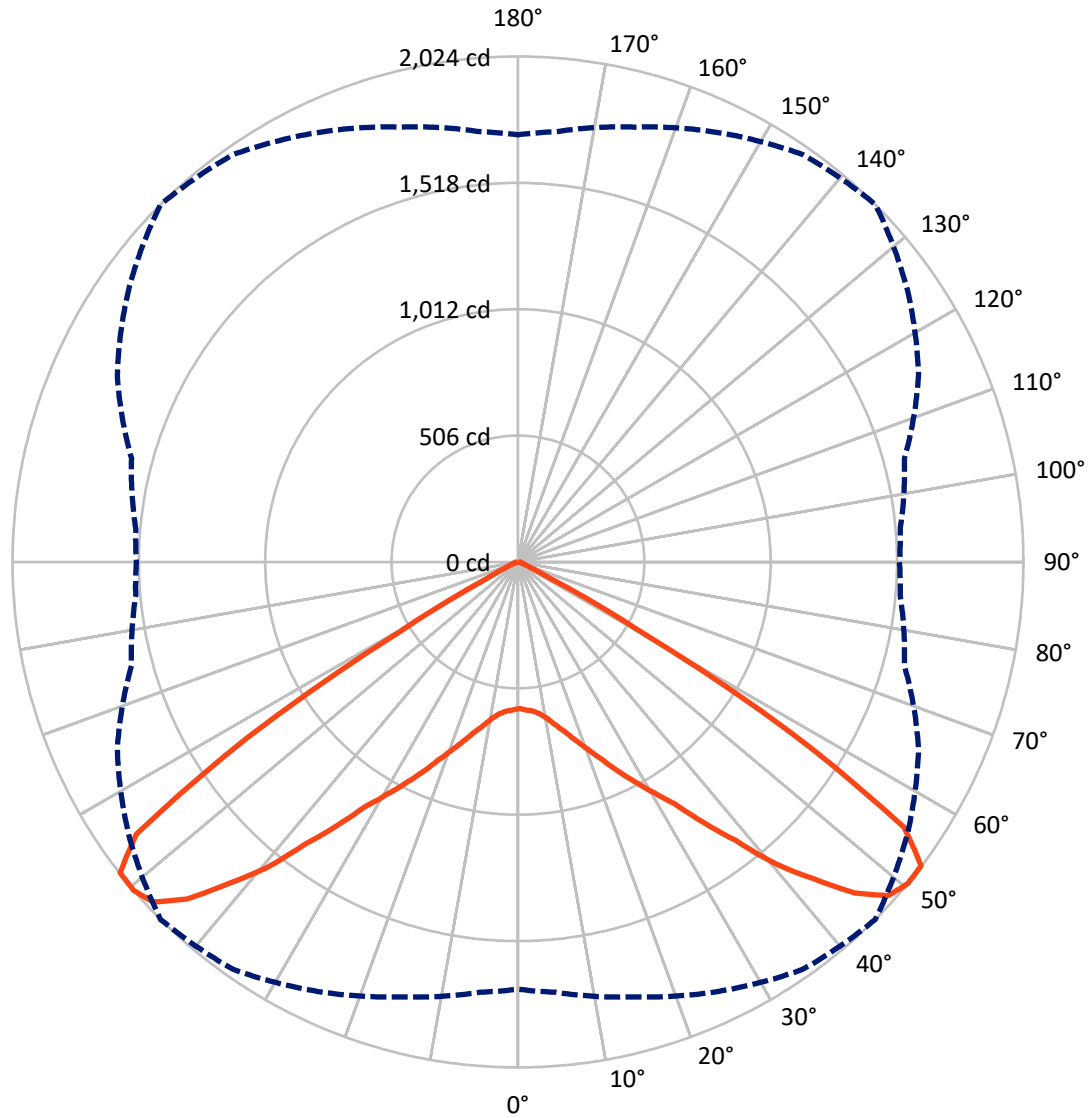
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P526747  
CATALOG NUMBER: GALN-SA1D-727-U-RW-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P526747

CATALOG NUMBER: GALN-SA1D-727-U-RW-GRSBK

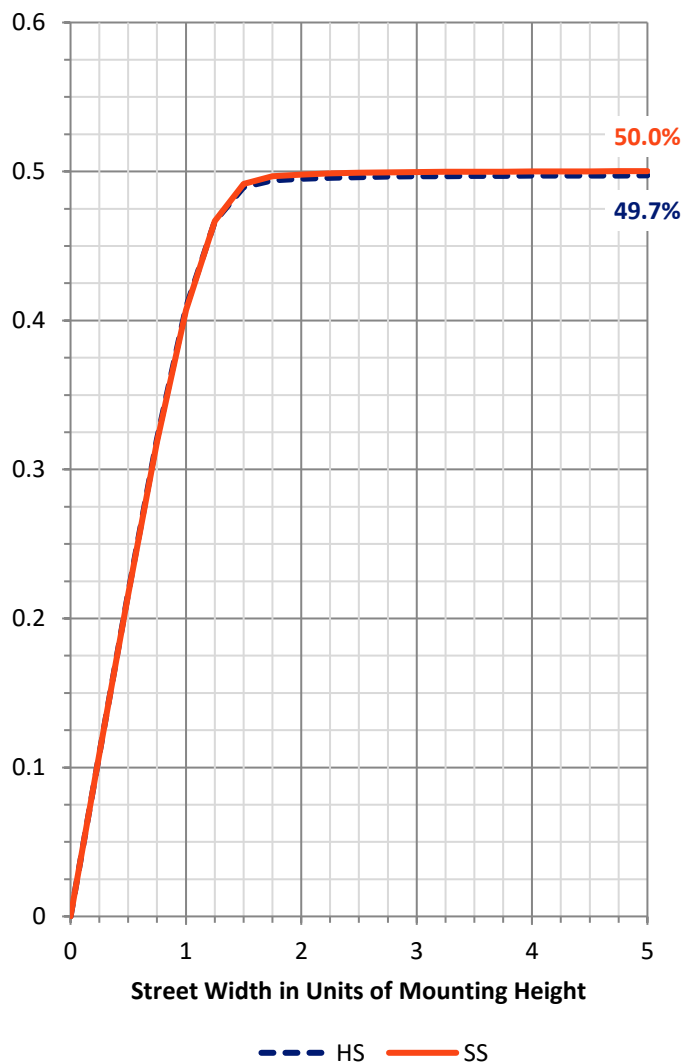
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2115.5	0.0	2115.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2115.5	0.0	2115.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4231.0	0.0	4231.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.4	1.4
10°-20°	201.1	4.8
20°-30°	410.8	9.7
30°-40°	783.4	18.5
40°-50°	1320.1	31.2
50°-60°	1258.9	29.8
60°-70°	175.7	4.2
70°-80°	16.8	0.4
80°-90°	5.8	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°	4231.0	100.0
0°-180°	4231.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P526747

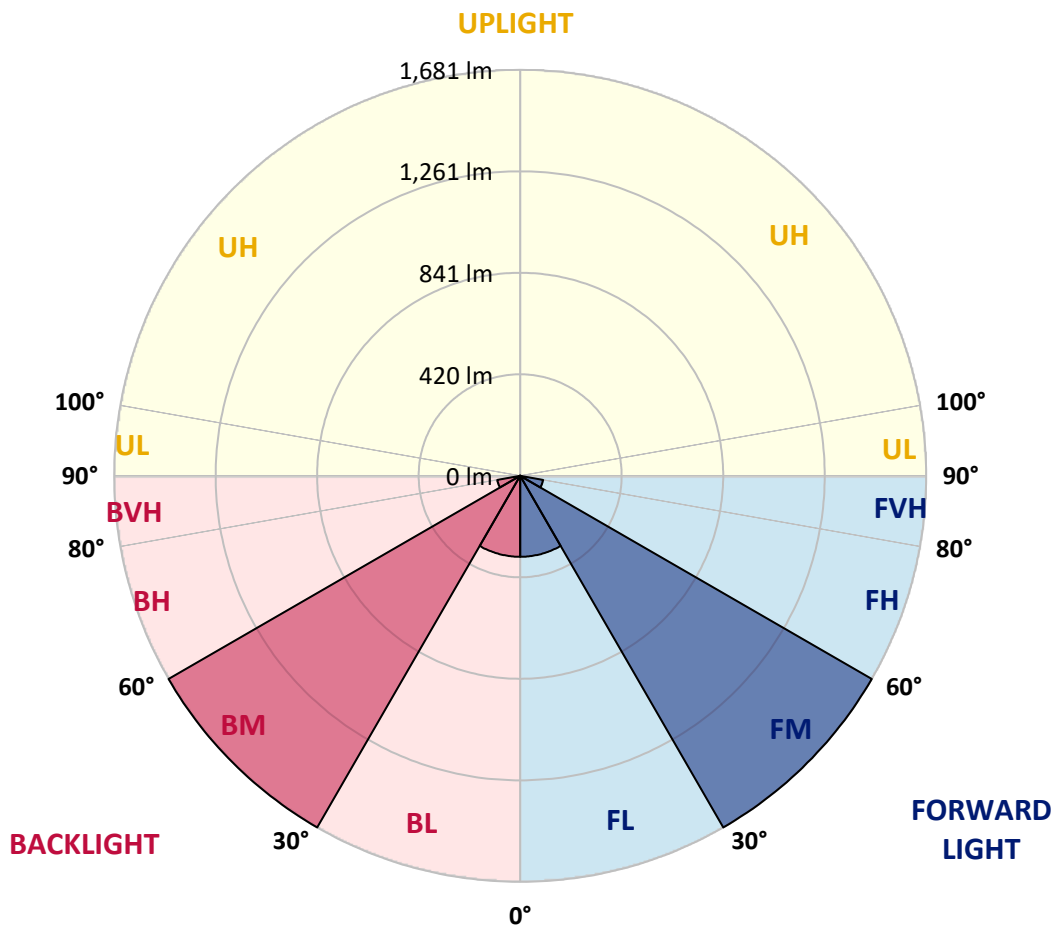
CATALOG NUMBER: GALN-SA1D-727-U-RW-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	335.1	7.9			
FM (30°-60°)	1681.2	39.7			
FH (60°-80°)	96.3	2.3			G0/660
FVH (80°-90°)	2.9	0.1			G0/10
BL (0°-30°)	335.1	7.9	B1/500		
BM (30°-60°)	1681.2	39.7	B2/2500		
BH (60°-80°)	96.3	2.3	B0/110		G0/660
BVH (80°-90°)	2.9	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: P526747

CATALOG NUMBER: GALN-SA1D-727-U-RW-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	586.6	586.6	586.6	586.6	586.6	586.6	586.6	586.6	586.6	586.6	586.6
2.5°	584.4	584.4	583.7	589.4	586.6	593.0	592.3	594.4	596.5	595.8	601.5
5°	579.5	578.8	578.8	585.2	591.6	598.7	605.1	609.4	616.5	616.5	623.6
7.5°	584.4	580.9	585.9	588.7	600.8	612.9	623.6	632.1	648.5	654.2	652.1
10°	585.9	590.1	593.7	602.2	617.2	635.7	645.0	666.3	684.8	697.6	700.5
12.5°	595.1	601.5	611.5	632.1	645.7	669.9	682.7	703.3	729.0	743.2	753.2
15°	612.9	615.1	627.9	654.2	683.4	705.5	725.4	740.3	765.3	781.6	782.3
17.5°	635.7	645.0	662.8	687.7	718.3	751.0	766.7	783.1	792.3	814.4	819.4
20°	681.3	682.7	699.8	732.5	771.0	800.9	812.2	820.8	817.2	840.0	844.3
22.5°	724.0	725.4	746.8	790.9	832.2	857.8	862.8	857.8	847.1	863.5	864.9
25°	767.4	780.2	795.9	840.0	891.3	925.4	926.1	912.6	890.6	893.4	900.5
27.5°	835.0	844.3	860.7	901.2	957.5	995.9	989.5	973.1	944.7	946.8	944.7
30°	914.0	922.6	936.1	988.1	1029.4	1071.4	1080.6	1065.0	1022.2	1013.0	1023.7
32.5°	1009.4	1021.5	1046.5	1094.1	1129.0	1154.7	1161.1	1155.4	1115.5	1111.9	1119.1
35°	1125.5	1141.8	1164.6	1206.6	1235.1	1281.4	1281.4	1262.1	1225.8	1230.1	1229.4
37.5°	1247.9	1272.1	1307.7	1350.4	1388.9	1413.8	1405.9	1389.6	1353.3	1344.0	1353.3
40°	1401.7	1413.8	1458.6	1514.1	1561.1	1589.6	1556.1	1520.6	1433.7	1447.2	1472.1
42.5°	1541.9	1561.1	1595.3	1656.5	1709.9	1733.4	1693.5	1623.1	1518.4	1507.7	1526.3
45°	1661.5	1682.2	1727.0	1814.6	1870.8	1891.4	1803.2	1689.3	1569.7	1542.6	1550.5
47.5°	1741.2	1751.9	1814.6	1897.8	1949.1	1996.1	1869.4	1734.8	1593.9	1542.6	1539.8
50°	1710.6	1729.1	1802.5	1897.1	1990.4	2023.8	1902.8	1769.7	1601.7	1536.2	1527.7
52.5°	1519.1	1551.2	1633.0	1760.5	1901.4	2021.0	1949.1	1758.3	1598.9	1542.6	1555.4
55°	1057.1	1057.8	1157.5	1345.4	1594.6	1876.5	1881.5	1771.1	1617.4	1582.5	1583.2
57.5°	425.0	446.3	522.5	711.2	941.1	1288.5	1531.9	1643.0	1619.5	1611.0	1633.0
60°	107.5	108.2	131.7	200.7	331.0	552.4	802.3	1085.6	1250.0	1306.3	1314.1
62.5°	54.8	55.5	61.2	71.2	90.4	148.1	263.4	417.9	594.4	684.1	707.6
65°	44.8	44.8	48.4	53.4	54.1	56.9	68.3	97.5	141.7	160.9	163.0
67.5°	34.2	34.2	37.0	39.9	41.3	40.6	39.2	40.6	49.1	47.0	45.6
70°	21.4	22.1	23.5	26.3	27.8	28.5	29.2	30.6	34.9	36.3	34.9
72.5°	12.8	12.8	13.5	15.7	17.8	19.2	21.4	22.8	24.9	28.5	27.8
75°	5.7	5.7	7.1	9.3	11.4	13.5	15.7	17.8	19.2	21.4	22.1
77.5°	1.4	2.1	3.6	6.4	8.5	11.4	14.2	16.4	17.8	17.8	17.1
80°	0.7	0.7	2.8	5.0	9.3	12.1	15.7	17.1	19.2	17.8	15.7
82.5°	0.7	0.7	2.8	5.0	8.5	12.1	16.4	18.5	19.9	17.8	14.9
85°	0.0	0.7	2.1	4.3	7.1	8.5	7.1	5.0	2.8	2.8	2.1
87.5°	0.0	0.0	0.7	0.7	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)