

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: P527207

Luminaire Tested: **GALN-SA2B-727-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527207  
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-SA2B-727-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

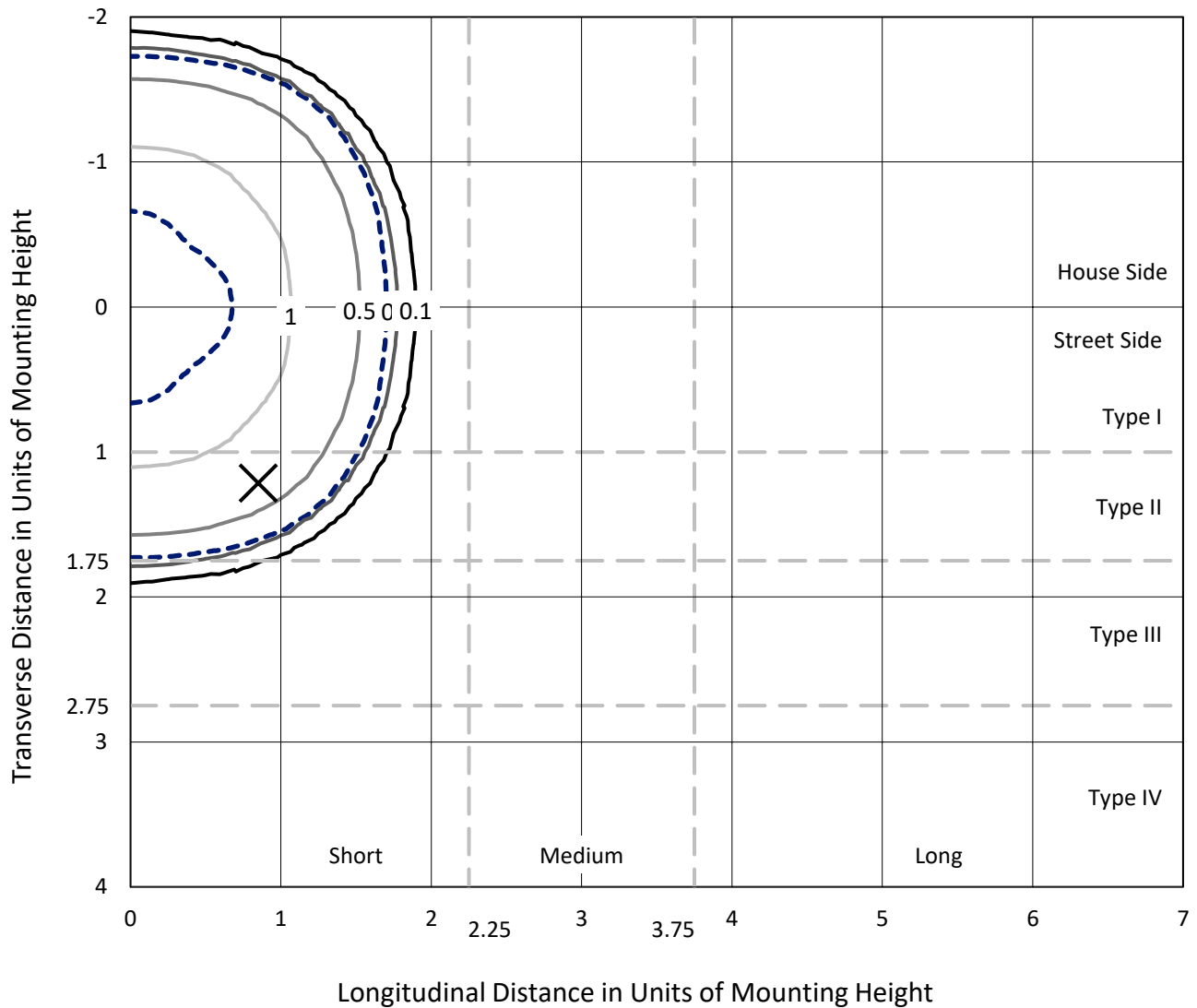
Lumens per Lamp: N/A  
Luminaire Lumens: 5743 lumens  
Efficiency: N/A  
Efficacy: 70.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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: P527207  
 CATALOG NUMBER: GALN-SA2B-727-U-5MQ-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

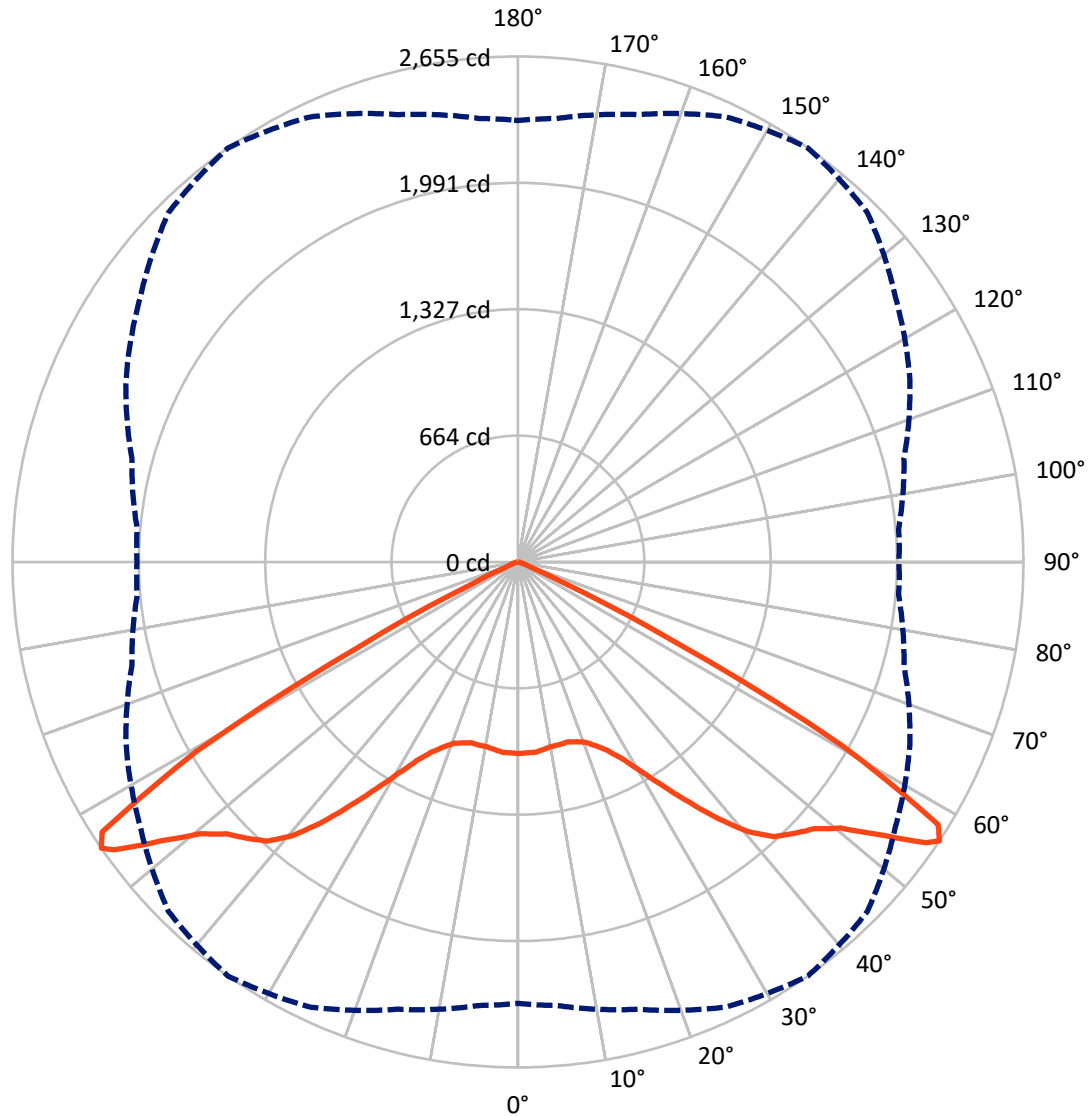
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type V - Short - N/A

REPORT NUMBER: P527207  
CATALOG NUMBER: GALN-SA2B-727-U-5MQ-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P527207  
 CATALOG NUMBER: GALN-SA2B-727-U-5MQ-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2871.5	0.0	2871.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2871.5	0.0	2871.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5743.0	0.0	5743.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.6	1.6
10°-20°	276.1	4.8
20°-30°	500.0	8.7
30°-40°	927.2	16.1
40°-50°	1521.9	26.5
50°-60°	1960.7	34.1
60°-70°	432.1	7.5
70°-80°	25.1	0.4
80°-90°	5.3	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°	5743.0	100.0
0°-180°	5743.0	100.0

**Coefficient of Utilization**

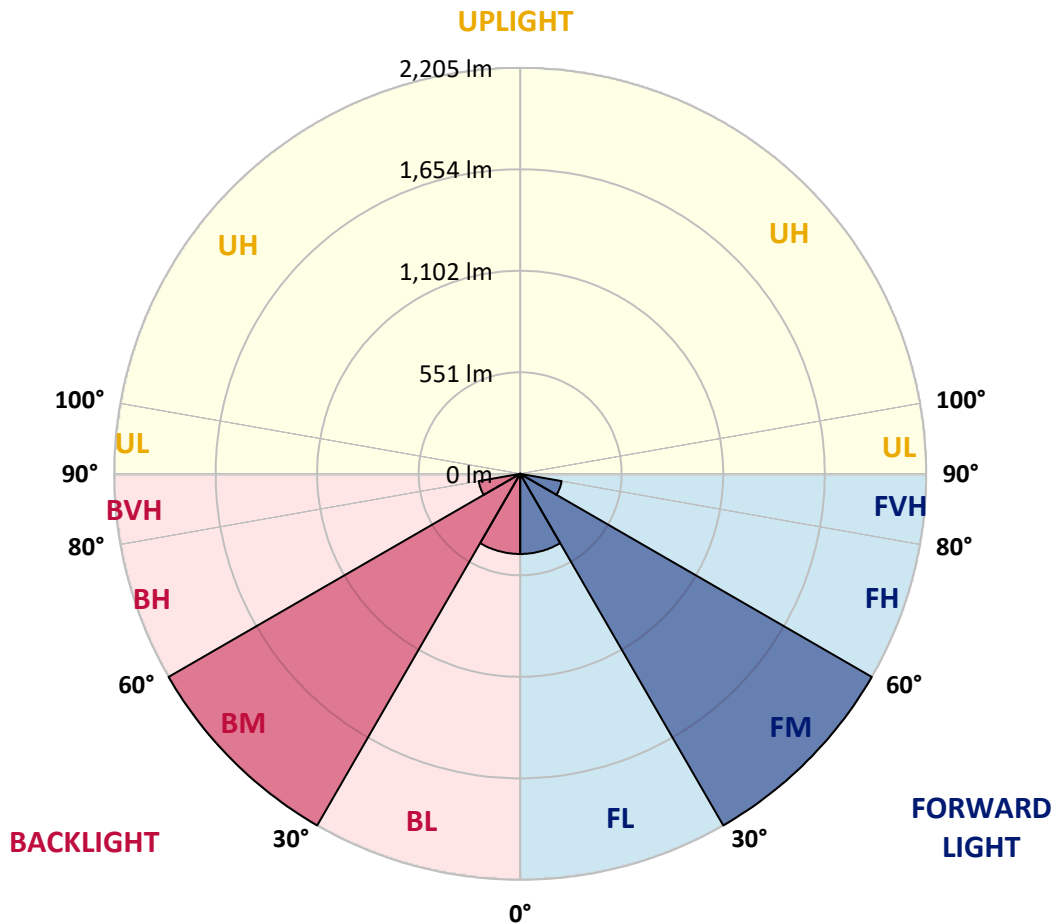


REPORT NUMBER: P527207  
 CATALOG NUMBER: GALN-SA2B-727-U-5MQ-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	435.4	7.6			
FM (30°-60°)	2204.9	38.4			
FH (60°-80°)	228.6	4.0			G0/660
FVH (80°-90°)	2.6	0.0			G0/10
BL (0°-30°)	435.4	7.6	B1/500		
BM (30°-60°)	2204.9	38.4	B2/2500		
BH (60°-80°)	228.6	4.0	B1/500		G0/660
BVH (80°-90°)	2.6	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: P527207

CATALOG NUMBER: GALN-SA2B-727-U-5MQ-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1006.3	1006.3	1006.3	1006.3	1006.3	1006.3	1006.3	1006.3	1006.3	1006.3	1006.3
2.5°	1008.4	1008.4	1009.4	1010.5	1003.2	1000.1	1001.1	999.0	998.0	1001.1	1001.1
5°	1005.3	1005.3	1002.1	1003.2	1003.2	993.8	993.8	995.9	995.9	989.6	987.6
7.5°	996.9	994.9	990.7	995.9	992.8	992.8	985.5	980.3	978.2	982.4	978.2
10°	979.2	980.3	984.4	986.5	984.4	990.7	978.2	970.9	963.6	960.5	960.5
12.5°	970.9	977.2	970.9	976.1	983.4	978.2	970.9	965.7	955.3	951.1	951.1
15°	969.9	974.0	976.1	983.4	980.3	982.4	967.8	961.5	945.9	938.7	935.5
17.5°	968.8	974.0	977.2	990.7	992.8	993.8	982.4	963.6	950.1	942.8	935.5
20°	980.3	982.4	988.6	1002.1	1010.5	1025.0	1004.2	984.4	955.3	947.0	943.9
22.5°	994.9	1005.3	1011.5	1026.1	1047.9	1060.4	1033.4	1008.4	978.2	967.8	955.3
25°	1041.7	1039.6	1050.0	1080.2	1097.9	1107.2	1085.4	1049.0	1009.4	996.9	999.0
27.5°	1100.0	1102.0	1111.4	1144.7	1170.7	1185.3	1159.3	1111.4	1072.9	1052.1	1050.0
30°	1175.9	1173.8	1184.2	1229.0	1275.8	1297.7	1251.9	1195.7	1158.2	1131.2	1137.4
32.5°	1256.1	1257.1	1286.2	1326.8	1402.8	1445.4	1371.6	1302.9	1246.7	1228.0	1218.6
35°	1374.7	1379.9	1402.8	1465.2	1549.5	1604.7	1523.5	1441.3	1376.8	1342.4	1346.6
37.5°	1521.4	1516.2	1554.7	1622.4	1710.8	1751.4	1682.7	1589.1	1523.5	1500.6	1515.2
40°	1677.5	1682.7	1702.5	1763.9	1862.7	1889.8	1787.8	1736.8	1679.6	1668.1	1685.8
42.5°	1833.6	1830.5	1845.1	1900.2	1972.0	1953.3	1892.9	1862.7	1822.2	1799.3	1823.2
45°	1948.1	1942.9	1969.9	2007.4	2033.4	1998.0	1971.0	1960.6	1939.7	1914.8	1936.6
47.5°	2059.4	2055.3	2081.3	2091.7	2093.8	2046.9	2052.1	2070.9	2018.8	1966.8	1991.8
50°	2154.1	2146.8	2179.1	2202.0	2196.8	2121.9	2140.6	2121.9	2040.7	1979.3	1969.9
52.5°	2312.3	2315.4	2349.8	2391.4	2378.9	2316.5	2289.4	2204.1	2100.0	2044.9	2012.6
55°	2412.2	2396.6	2455.9	2588.1	2602.6	2538.1	2418.4	2292.5	2136.4	2068.8	2060.5
56°	2318.5	2338.3	2432.0	2579.7	2654.7	2595.4	2421.6	2270.7	2099.0	2007.4	2001.1
57.5°	2080.2	2069.8	2196.8	2398.7	2602.6	2577.7	2336.2	2114.6	1914.8	1811.8	1799.3
60°	1294.6	1324.7	1436.1	1685.8	1958.5	1971.0	1731.6	1541.2	1308.1	1216.5	1238.4
62.5°	506.8	480.8	550.5	736.8	924.1	965.7	875.2	727.4	597.3	506.8	500.5
65°	117.6	114.5	129.0	177.9	248.7	288.3	273.7	196.7	144.6	137.4	127.0
67.5°	66.6	66.6	63.5	63.5	69.7	73.9	70.8	69.7	72.8	76.0	74.9
70°	46.8	45.8	43.7	44.7	42.7	42.7	45.8	51.0	55.2	55.2	56.2
72.5°	28.1	28.1	28.1	31.2	31.2	31.2	34.3	38.5	39.5	38.5	37.5
75°	12.5	12.5	14.6	17.7	19.8	20.8	23.9	26.0	28.1	26.0	23.9
77.5°	3.1	3.1	5.2	7.3	9.4	11.4	15.6	18.7	19.8	18.7	15.6
80°	1.0	1.0	2.1	5.2	9.4	11.4	15.6	16.7	17.7	15.6	12.5
82.5°	1.0	1.0	2.1	5.2	7.3	9.4	12.5	14.6	15.6	13.5	12.5
85°	0.0	1.0	2.1	4.2	6.2	8.3	8.3	6.2	5.2	3.1	4.2
87.5°	0.0	0.0	1.0	1.0	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)