

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: P527441

Luminaire Tested: **GALN-SA2C-727-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527441  
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-SA2C-727-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 2700K, 1050mA 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: 7096 lumens  
Efficiency: N/A  
Efficacy: 65.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

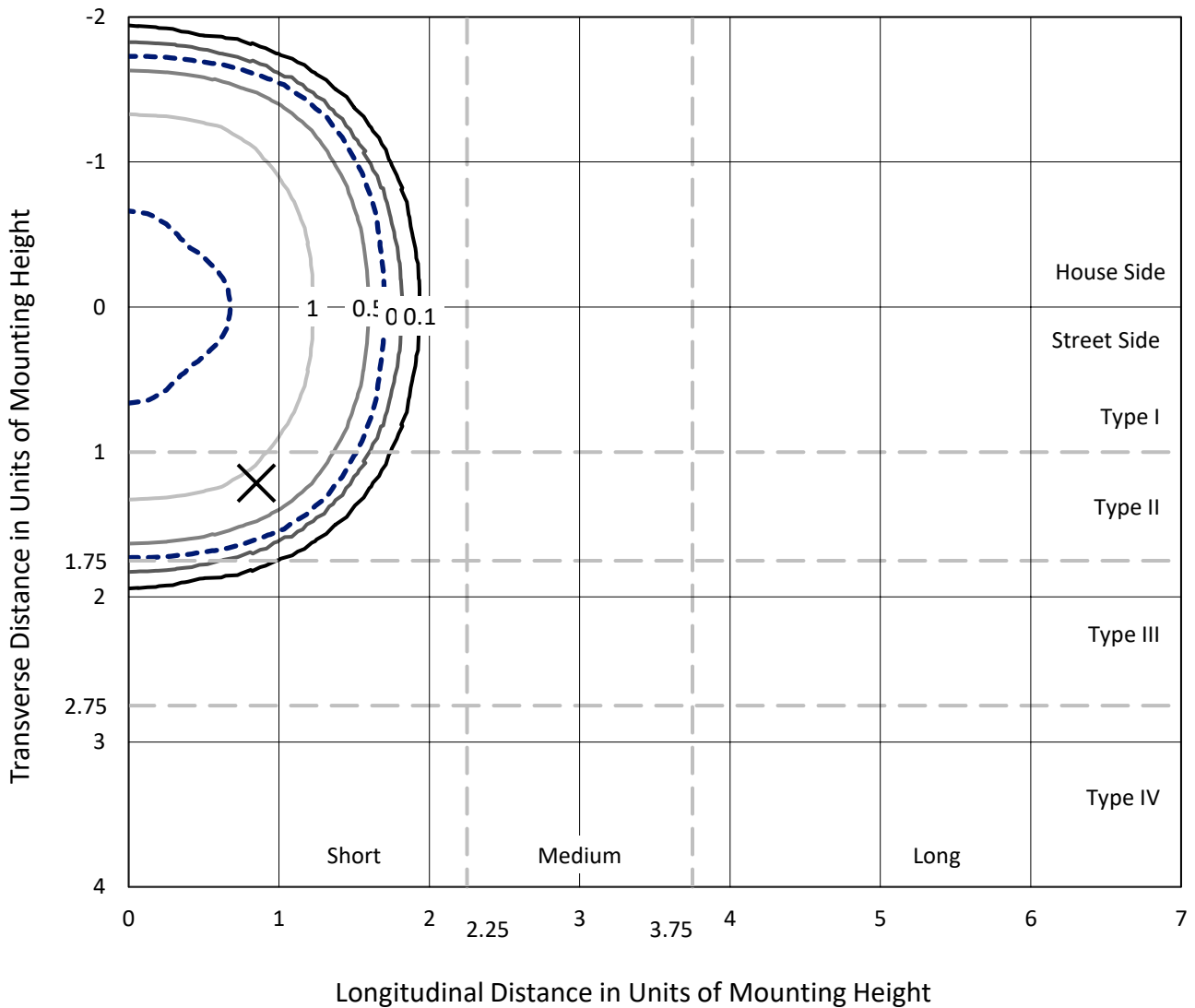
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

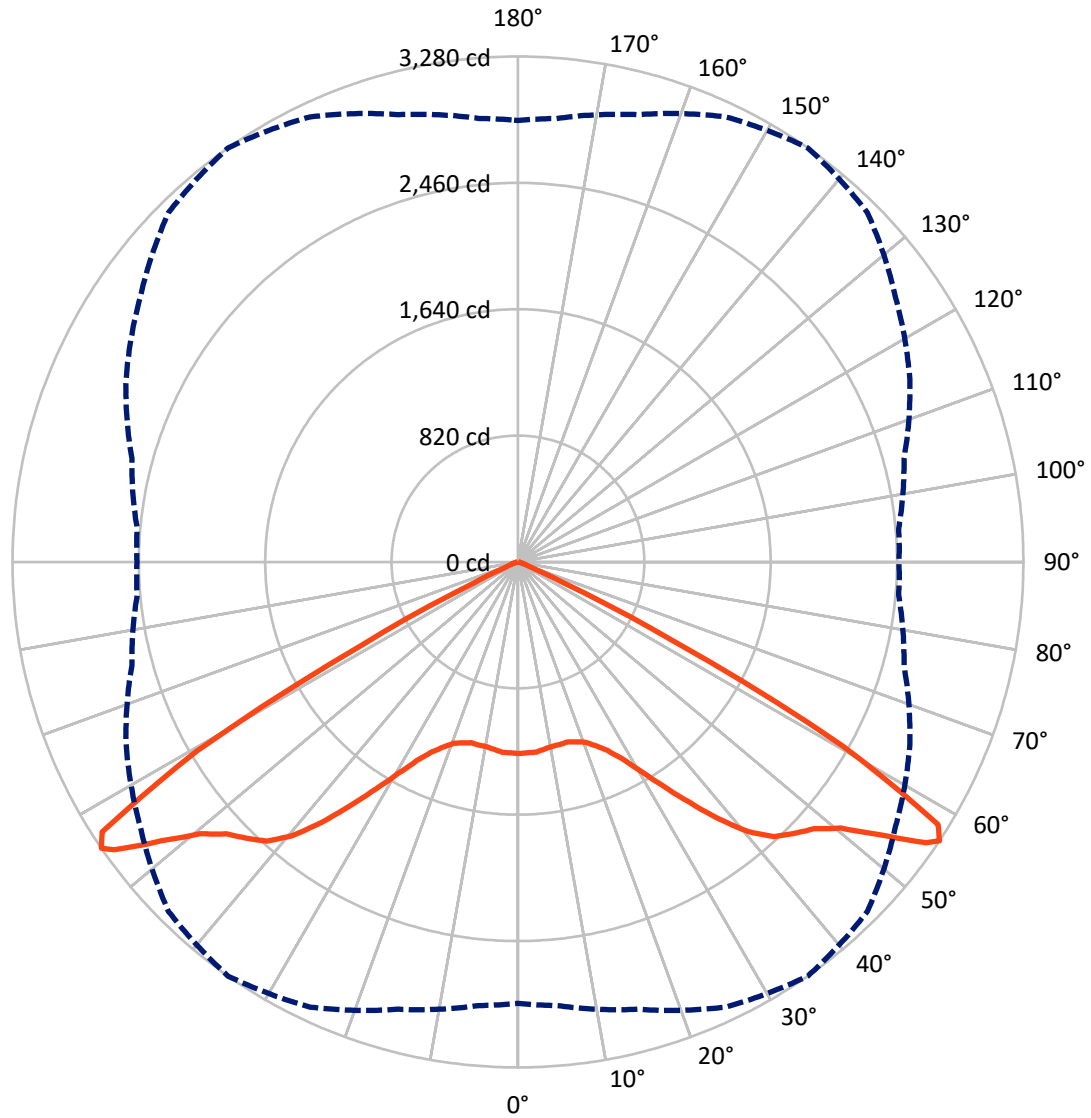
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3548.0	0.0	3548.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3548.0	0.0	3548.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7096.0	0.0	7096.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.9	1.6
10°-20°	341.2	4.8
20°-30°	617.8	8.7
30°-40°	1145.6	16.1
40°-50°	1880.5	26.5
50°-60°	2422.6	34.1
60°-70°	533.9	7.5
70°-80°	31.0	0.4
80°-90°	6.5	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°	7096.0	100.0
0°-180°	7096.0	100.0

**Coefficient of Utilization**

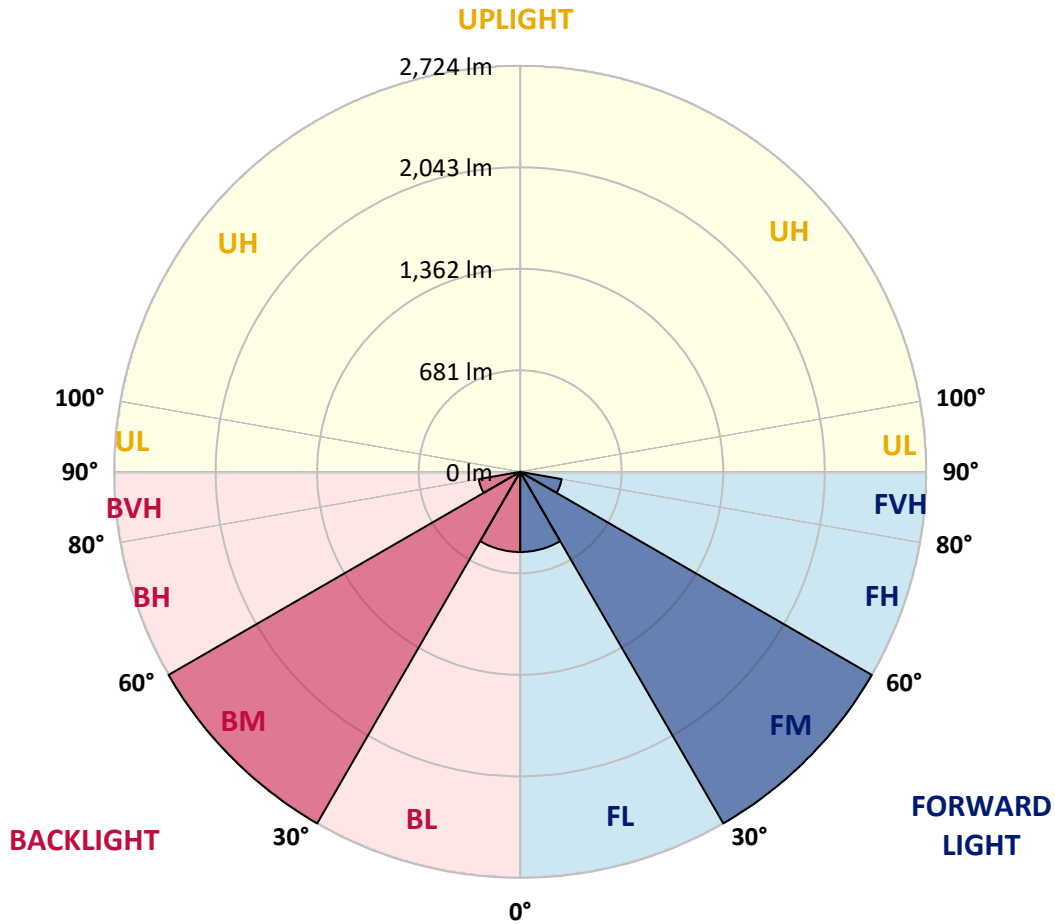


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	537.9	7.6			
FM (30°-60°)	2724.4	38.4			
FH (60°-80°)	282.4	4.0			G0/660
FVH (80°-90°)	3.3	0.0			G0/10
BL (0°-30°)	537.9	7.6	B2/1000		
BM (30°-60°)	2724.4	38.4	B3/5000		
BH (60°-80°)	282.4	4.0	B1/500		G0/660
BVH (80°-90°)	3.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1243.4	1243.4	1243.4	1243.4	1243.4	1243.4	1243.4	1243.4	1243.4	1243.4	1243.4
2.5°	1245.9	1245.9	1247.2	1248.5	1239.5	1235.7	1236.9	1234.4	1233.1	1236.9	1236.9
5°	1242.1	1242.1	1238.2	1239.5	1239.5	1227.9	1227.9	1230.5	1230.5	1222.8	1220.2
7.5°	1231.8	1229.2	1224.1	1230.5	1226.7	1226.7	1217.7	1211.2	1208.7	1213.8	1208.7
10°	1209.9	1211.2	1216.4	1218.9	1216.4	1224.1	1208.7	1199.7	1190.7	1186.8	1186.8
12.5°	1199.7	1207.4	1199.7	1206.1	1215.1	1208.7	1199.7	1193.2	1180.4	1175.2	1175.2
15°	1198.4	1203.5	1206.1	1215.1	1211.2	1213.8	1195.8	1188.1	1168.8	1159.8	1155.9
17.5°	1197.1	1203.5	1207.4	1224.1	1226.7	1227.9	1213.8	1190.7	1173.9	1164.9	1155.9
20°	1211.2	1213.8	1221.5	1238.2	1248.5	1266.5	1240.8	1216.4	1180.4	1170.1	1166.2
22.5°	1229.2	1242.1	1249.8	1267.8	1294.8	1310.2	1276.8	1245.9	1208.7	1195.8	1180.4
25°	1287.1	1284.5	1297.4	1334.7	1356.5	1368.1	1341.1	1296.1	1247.2	1231.8	1234.4
27.5°	1359.1	1361.7	1373.2	1414.4	1446.5	1464.5	1432.4	1373.2	1325.7	1299.9	1297.4
30°	1453.0	1450.4	1463.2	1518.5	1576.4	1603.4	1546.8	1477.4	1431.1	1397.7	1405.4
32.5°	1552.0	1553.3	1589.3	1639.4	1733.3	1786.0	1694.7	1609.8	1540.4	1517.2	1505.7
35°	1698.5	1705.0	1733.3	1810.4	1914.6	1982.7	1882.4	1780.8	1701.1	1658.7	1663.8
37.5°	1879.8	1873.4	1921.0	2004.6	2113.9	2164.0	2079.1	1963.4	1882.4	1854.1	1872.1
40°	2072.7	2079.1	2103.6	2179.4	2301.6	2335.0	2209.0	2146.0	2075.3	2061.1	2083.0
42.5°	2265.6	2261.7	2279.7	2347.9	2436.6	2413.5	2338.9	2301.6	2251.4	2223.2	2252.7
45°	2407.0	2400.6	2434.0	2480.3	2512.5	2468.7	2435.3	2422.5	2396.7	2365.9	2392.9
47.5°	2544.6	2539.5	2571.6	2584.5	2587.0	2529.2	2535.6	2558.7	2494.5	2430.2	2461.0
50°	2661.6	2652.6	2692.5	2720.8	2714.3	2621.8	2644.9	2621.8	2521.5	2445.6	2434.0
52.5°	2857.1	2860.9	2903.3	2954.8	2939.3	2862.2	2828.8	2723.3	2594.8	2526.6	2486.7
55°	2980.5	2961.2	3034.5	3197.8	3215.8	3136.1	2988.2	2832.6	2639.8	2556.2	2545.9
56°	2864.8	2889.2	3004.9	3187.5	3280.1	3206.8	2992.1	2805.6	2593.5	2480.3	2472.6
57.5°	2570.3	2557.5	2714.3	2963.8	3215.8	3184.9	2886.6	2612.8	2365.9	2238.6	2223.2
60°	1599.5	1636.8	1774.4	2083.0	2419.9	2435.3	2139.6	1904.3	1616.3	1503.1	1530.1
62.5°	626.2	594.0	680.2	910.3	1141.8	1193.2	1081.4	898.8	738.1	626.2	618.5
65°	145.3	141.4	159.4	219.9	307.3	356.2	338.2	243.0	178.7	169.7	156.9
67.5°	82.3	82.3	78.4	78.4	86.1	91.3	87.4	86.1	90.0	93.9	92.6
70°	57.9	56.6	54.0	55.3	52.7	52.7	56.6	63.0	68.1	68.1	69.4
72.5°	34.7	34.7	34.7	38.6	38.6	38.6	42.4	47.6	48.9	47.6	46.3
75°	15.4	15.4	18.0	21.9	24.4	25.7	29.6	32.1	34.7	32.1	29.6
77.5°	3.9	3.9	6.4	9.0	11.6	14.1	19.3	23.1	24.4	23.1	19.3
80°	1.3	1.3	2.6	6.4	11.6	14.1	19.3	20.6	21.9	19.3	15.4
82.5°	1.3	1.3	2.6	6.4	9.0	11.6	15.4	18.0	19.3	16.7	15.4
85°	0.0	1.3	2.6	5.1	7.7	10.3	10.3	7.7	6.4	3.9	5.1
87.5°	0.0	0.0	1.3	1.3	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)