

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: P527601

Luminaire Tested: **GALN-SA2C-827-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527601
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2C-827-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5421 lumens
Efficiency: N/A
Efficacy: 50.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

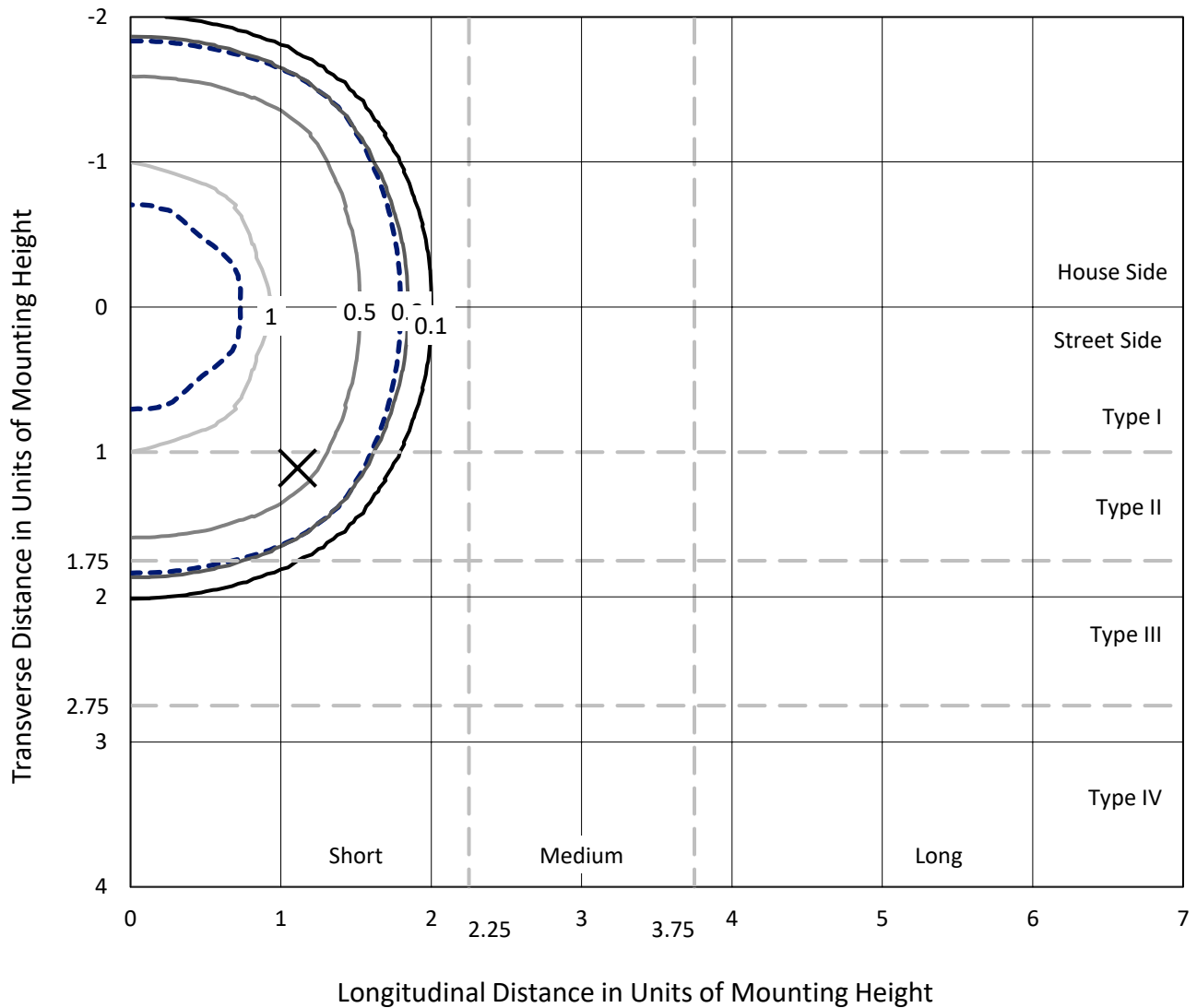
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

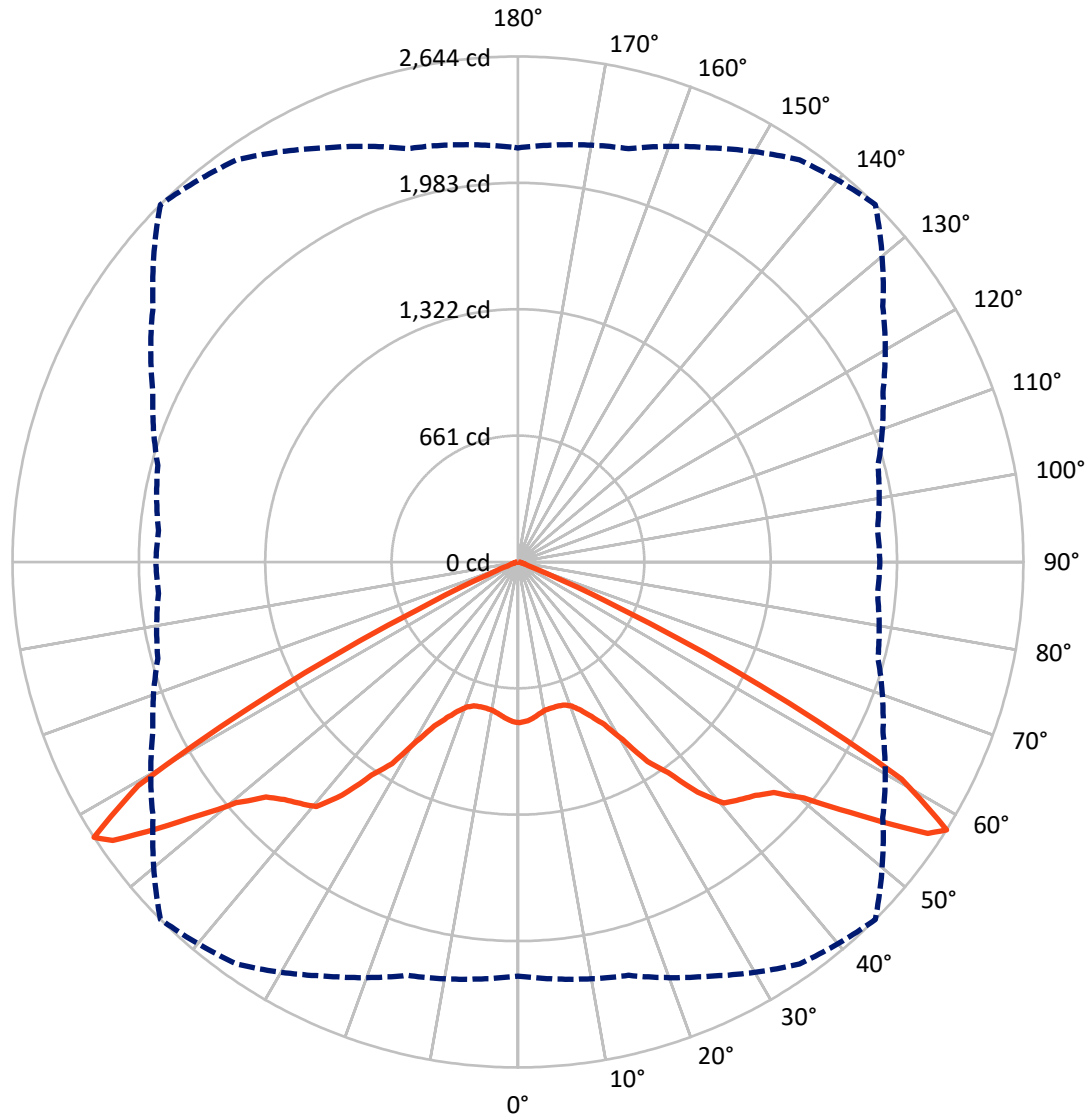
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2710.5	0.0	2710.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2710.5	0.0	2710.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5421.0	0.0	5421.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.3	1.4
10°-20°	223.3	4.1
20°-30°	412.3	7.6
30°-40°	810.8	15.0
40°-50°	1320.5	24.4
50°-60°	1883.2	34.7
60°-70°	652.0	12.0
70°-80°	35.0	0.6
80°-90°	6.6	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°	5421.0	100.0
0°-180°	5421.0	100.0

Coefficient of Utilization



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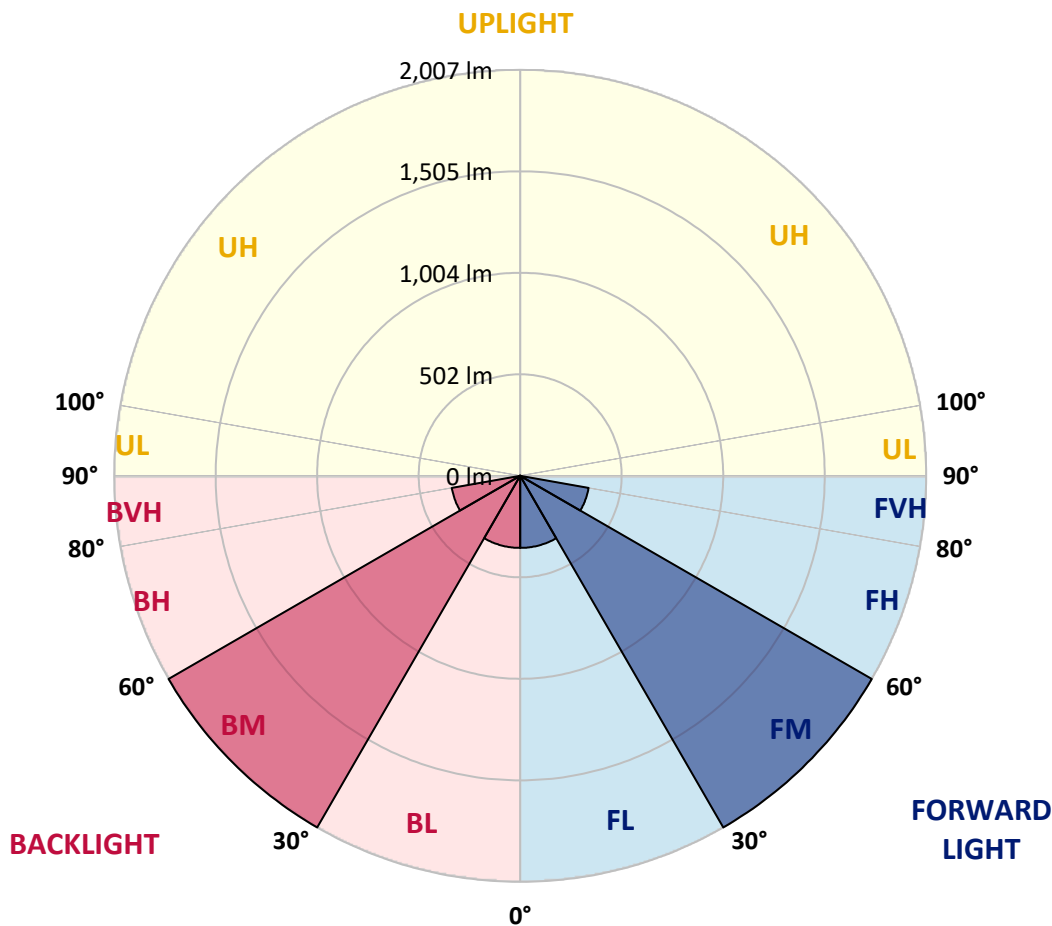
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	356.4	6.6			
FM (30°-60°)	2007.3	37.0			
FH (60°-80°)	343.5	6.3			G0/660
FVH (80°-90°)	3.3	0.1			G0/10
BL (0°-30°)	356.4	6.6	B1/500		
BM (30°-60°)	2007.3	37.0	B2/2500		
BH (60°-80°)	343.5	6.3	B1/500		G0/660
BVH (80°-90°)	3.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	840.9	840.9	840.9	840.9	840.9	840.9	840.9	840.9	840.9	840.9	840.9
2.5°	838.6	843.1	837.5	835.2	834.1	834.1	830.7	830.7	829.6	830.7	826.2
5°	825.0	829.6	829.6	828.4	821.6	820.5	817.1	814.9	816.0	811.5	814.9
7.5°	811.5	814.9	810.3	809.2	806.9	802.4	801.3	791.1	792.3	792.3	794.5
10°	809.2	808.1	801.3	795.6	788.9	787.7	784.3	782.1	782.1	781.0	784.3
12.5°	809.2	803.6	802.4	790.0	778.7	783.2	774.2	768.5	776.4	778.7	783.2
15°	808.1	813.7	794.5	788.9	781.0	782.1	774.2	768.5	773.0	775.3	778.7
17.5°	814.9	811.5	805.8	794.5	791.1	786.6	776.4	771.9	771.9	777.6	778.7
20°	832.9	823.9	812.6	806.9	810.3	804.7	792.3	775.3	779.8	784.3	787.7
22.5°	849.9	843.1	835.2	831.8	851.0	842.0	820.5	801.3	794.5	802.4	808.1
25°	882.7	882.7	868.0	872.5	894.0	895.1	870.2	836.3	831.8	835.2	837.5
27.5°	949.4	952.7	940.3	944.8	953.9	961.8	940.3	912.1	901.9	900.8	904.1
30°	1021.7	1028.5	1027.3	1046.5	1072.5	1077.1	1045.4	999.1	968.6	962.9	967.4
32.5°	1116.6	1120.0	1117.7	1140.4	1210.4	1243.2	1160.7	1095.1	1054.5	1064.6	1054.5
35°	1295.2	1291.8	1266.9	1271.5	1329.1	1352.8	1273.7	1231.9	1212.7	1233.0	1228.5
37.5°	1448.9	1436.5	1416.1	1445.5	1505.4	1526.9	1444.4	1370.9	1335.9	1369.8	1384.5
40°	1578.9	1547.2	1519.0	1548.3	1628.6	1658.0	1537.0	1477.1	1463.6	1488.4	1520.1
42.5°	1688.5	1668.1	1630.8	1633.1	1686.2	1699.8	1602.6	1567.6	1554.0	1593.6	1609.4
45°	1766.5	1747.3	1712.2	1710.0	1750.6	1741.6	1654.6	1630.8	1638.8	1664.8	1672.7
47.5°	1806.0	1816.2	1795.9	1801.5	1823.0	1801.5	1732.6	1732.6	1714.5	1730.3	1722.4
50°	1920.2	1888.5	1914.5	1914.5	1937.1	1939.4	1870.4	1845.6	1797.0	1769.9	1769.9
52.5°	2053.5	2055.8	2066.0	2103.3	2141.7	2174.5	2076.1	1969.9	1888.5	1853.5	1849.0
55°	2163.2	2185.8	2226.5	2296.5	2407.3	2452.5	2283.0	2093.1	1993.6	1939.4	1928.1
56°	2223.1	2201.6	2271.7	2367.7	2512.4	2571.2	2316.9	2118.0	2008.3	1947.3	1946.2
57.5°	2165.4	2189.2	2237.8	2389.2	2566.6	2643.5	2329.3	2106.7	1949.6	1887.4	1893.1
60°	1710.0	1732.6	1798.1	1967.6	2245.7	2305.6	1971.0	1737.1	1596.9	1507.7	1508.8
62.5°	967.4	984.4	1035.2	1192.3	1365.3	1422.9	1228.5	1072.5	975.3	925.6	909.8
65°	356.0	349.2	357.1	437.4	543.6	592.2	510.8	431.7	380.9	362.8	356.0
67.5°	133.4	123.2	115.3	123.2	154.8	163.9	150.3	125.4	117.5	120.9	123.2
70°	82.5	78.0	62.2	58.8	57.6	56.5	59.9	63.3	72.3	84.8	87.0
72.5°	57.6	54.2	44.1	41.8	39.6	38.4	44.1	48.6	56.5	65.6	66.7
75°	22.6	23.7	22.6	24.9	26.0	27.1	31.6	35.0	38.4	38.4	37.3
77.5°	4.5	4.5	6.8	9.0	11.3	14.7	21.5	24.9	26.0	24.9	21.5
80°	0.0	0.0	2.3	4.5	9.0	12.4	19.2	21.5	23.7	21.5	17.0
82.5°	0.0	0.0	2.3	5.7	9.0	11.3	18.1	22.6	26.0	23.7	18.1
85°	0.0	0.0	2.3	4.5	6.8	7.9	7.9	5.7	5.7	3.4	2.3
87.5°	0.0	0.0	0.0	0.0	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)