

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: P527363

Luminaire Tested: **GALN-SA2B-827-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527363
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-827-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 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: 5048 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

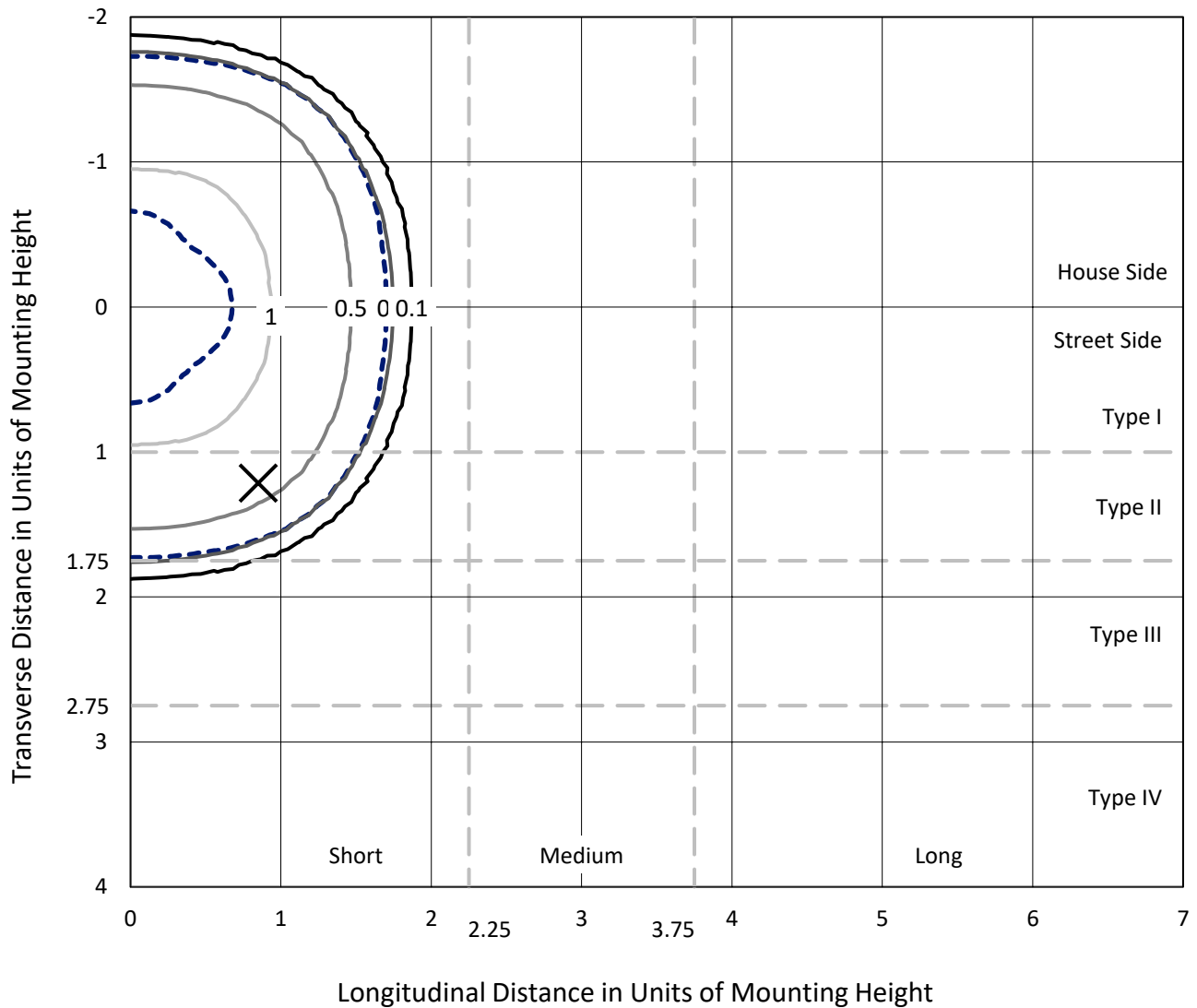
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

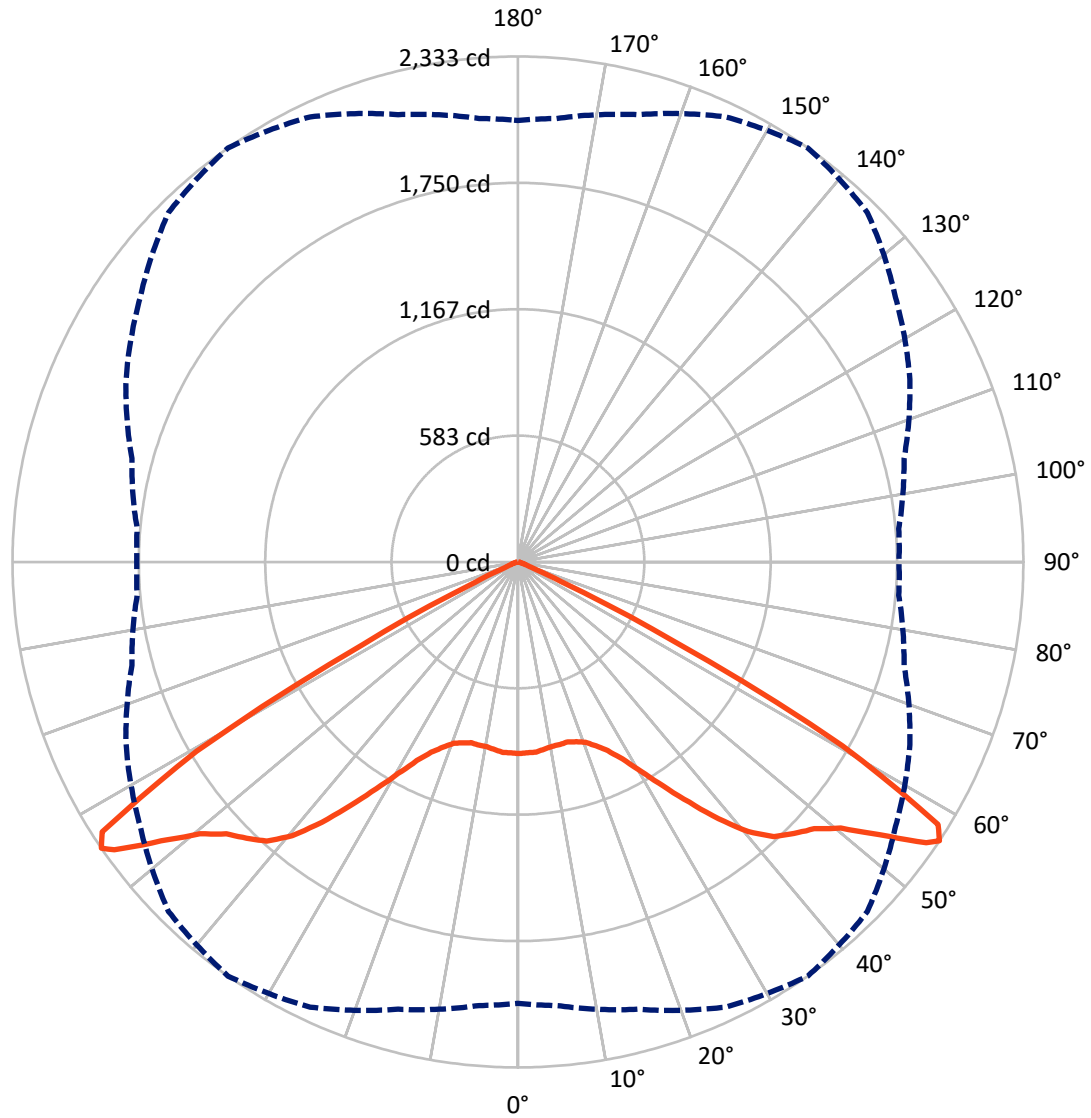
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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
House Side	Lumens	2524.0	0.0	2524.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2524.0	0.0	2524.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5048.0	0.0	5048.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	1.6
10°-20°	242.7	4.8
20°-30°	439.5	8.7
30°-40°	815.0	16.1
40°-50°	1337.8	26.5
50°-60°	1723.4	34.1
60°-70°	379.8	7.5
70°-80°	22.0	0.4
80°-90°	4.6	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°	5048.0	100.0
0°-180°	5048.0	100.0

Coefficient of Utilization

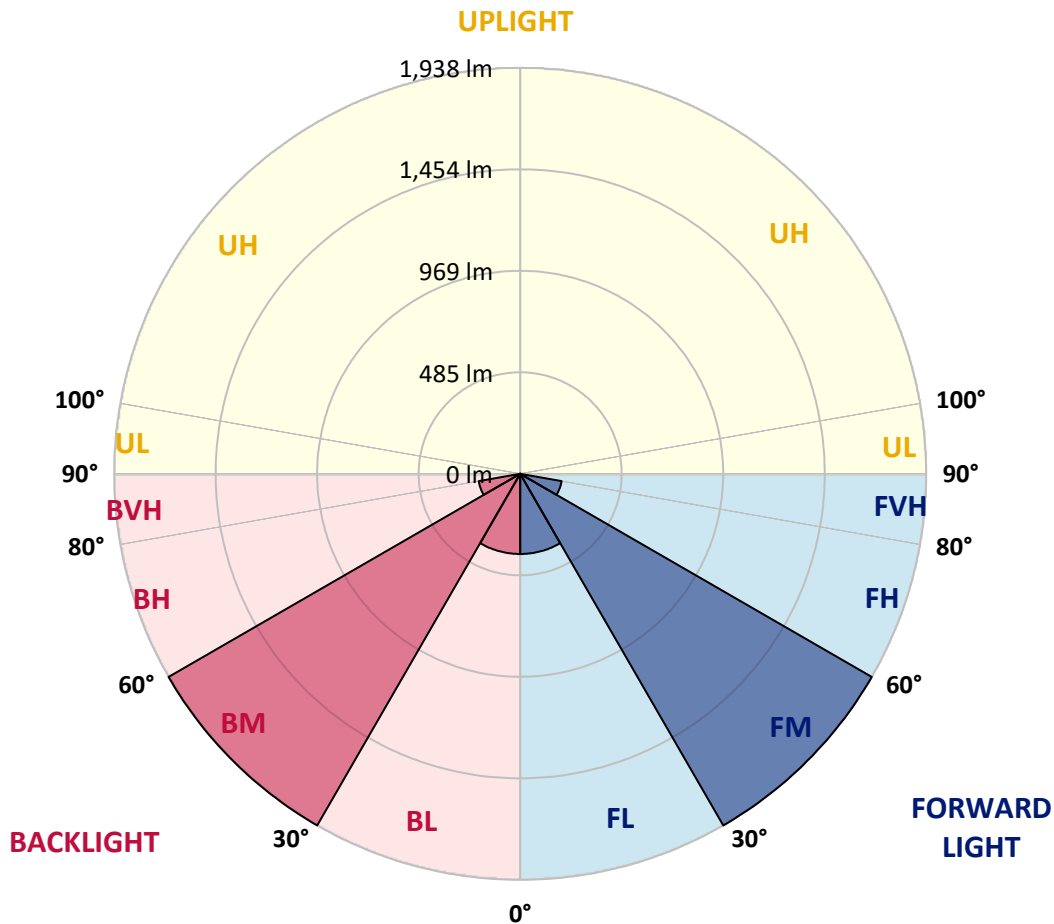


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	382.7	7.6			
FM (30°-60°)	1938.1	38.4			
FH (60°-80°)	200.9	4.0			G0/660
FVH (80°-90°)	2.3	0.0			G0/10
BL (0°-30°)	382.7	7.6	B1/500		
BM (30°-60°)	1938.1	38.4	B2/2500		
BH (60°-80°)	200.9	4.0	B1/500		G0/660
BVH (80°-90°)	2.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	884.5	884.5	884.5	884.5	884.5	884.5	884.5	884.5	884.5	884.5	884.5
2.5°	886.3	886.3	887.3	888.2	881.8	879.0	879.9	878.1	877.2	879.9	879.9
5°	883.6	883.6	880.9	881.8	881.8	873.5	873.5	875.4	875.4	869.9	868.1
7.5°	876.3	874.5	870.8	875.4	872.6	872.6	866.2	861.7	859.8	863.5	859.8
10°	860.7	861.7	865.3	867.1	865.3	870.8	859.8	853.4	847.0	844.3	844.3
12.5°	853.4	858.9	853.4	858.0	864.4	859.8	853.4	848.8	839.7	836.0	836.0
15°	852.5	856.2	858.0	864.4	861.7	863.5	850.7	845.2	831.5	825.1	822.3
17.5°	851.6	856.2	858.9	870.8	872.6	873.5	863.5	847.0	835.1	828.7	822.3
20°	861.7	863.5	869.0	880.9	888.2	901.0	882.7	865.3	839.7	832.4	829.6
22.5°	874.5	883.6	889.1	901.9	921.1	932.1	908.3	886.3	859.8	850.7	839.7
25°	915.6	913.8	922.9	949.5	965.0	973.2	954.0	922.0	887.3	876.3	878.1
27.5°	966.8	968.7	976.9	1006.2	1029.0	1041.8	1019.0	976.9	943.1	924.8	922.9
30°	1033.6	1031.8	1040.9	1080.3	1121.4	1140.6	1100.4	1051.0	1018.1	994.3	999.8
32.5°	1104.0	1105.0	1130.6	1166.2	1233.0	1270.5	1205.6	1145.2	1095.8	1079.3	1071.1
35°	1208.3	1212.9	1233.0	1287.9	1362.0	1410.5	1339.1	1266.9	1210.2	1180.0	1183.6
37.5°	1337.3	1332.7	1366.6	1426.0	1503.8	1539.4	1479.1	1396.8	1339.1	1319.0	1331.8
40°	1474.5	1479.1	1496.5	1550.4	1637.3	1661.1	1571.5	1526.6	1476.3	1466.3	1481.8
42.5°	1611.7	1609.0	1621.8	1670.2	1733.4	1716.9	1663.8	1637.3	1601.6	1581.5	1602.6
45°	1712.3	1707.8	1731.5	1764.5	1787.3	1756.2	1732.4	1723.3	1705.0	1683.1	1702.3
47.5°	1810.2	1806.5	1829.4	1838.6	1840.4	1799.2	1803.8	1820.3	1774.5	1728.8	1750.7
50°	1893.4	1887.0	1915.4	1935.5	1930.9	1865.1	1881.5	1865.1	1793.7	1739.8	1731.5
52.5°	2032.5	2035.2	2065.4	2102.0	2091.0	2036.1	2012.3	1937.3	1845.9	1797.4	1769.0
55°	2120.3	2106.6	2158.7	2274.9	2287.7	2231.0	2125.8	2015.1	1877.9	1818.4	1811.1
56°	2038.0	2055.3	2137.7	2267.5	2333.4	2281.3	2128.5	1995.9	1845.0	1764.5	1759.0
57.5°	1828.5	1819.3	1930.9	2108.4	2287.7	2265.7	2053.5	1858.7	1683.1	1592.5	1581.5
60°	1137.9	1164.4	1262.3	1481.8	1721.5	1732.4	1522.1	1354.7	1149.8	1069.3	1088.5
62.5°	445.5	422.6	483.9	647.6	812.3	848.8	769.3	639.4	525.0	445.5	440.0
65°	103.4	100.6	113.4	156.4	218.6	253.4	240.6	172.9	127.1	120.7	111.6
67.5°	58.5	58.5	55.8	55.8	61.3	64.9	62.2	61.3	64.0	66.8	65.9
70°	41.2	40.2	38.4	39.3	37.5	37.5	40.2	44.8	48.5	48.5	49.4
72.5°	24.7	24.7	24.7	27.4	27.4	27.4	30.2	33.8	34.8	33.8	32.9
75°	11.0	11.0	12.8	15.5	17.4	18.3	21.0	22.9	24.7	22.9	21.0
77.5°	2.7	2.7	4.6	6.4	8.2	10.1	13.7	16.5	17.4	16.5	13.7
80°	0.9	0.9	1.8	4.6	8.2	10.1	13.7	14.6	15.5	13.7	11.0
82.5°	0.9	0.9	1.8	4.6	6.4	8.2	11.0	12.8	13.7	11.9	11.0
85°	0.0	0.9	1.8	3.7	5.5	7.3	7.3	5.5	4.6	2.7	3.7
87.5°	0.0	0.0	0.9	0.9	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)