

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: P946868

Luminaire Tested: **GALN-SB2B-927-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946868
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2B-927-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

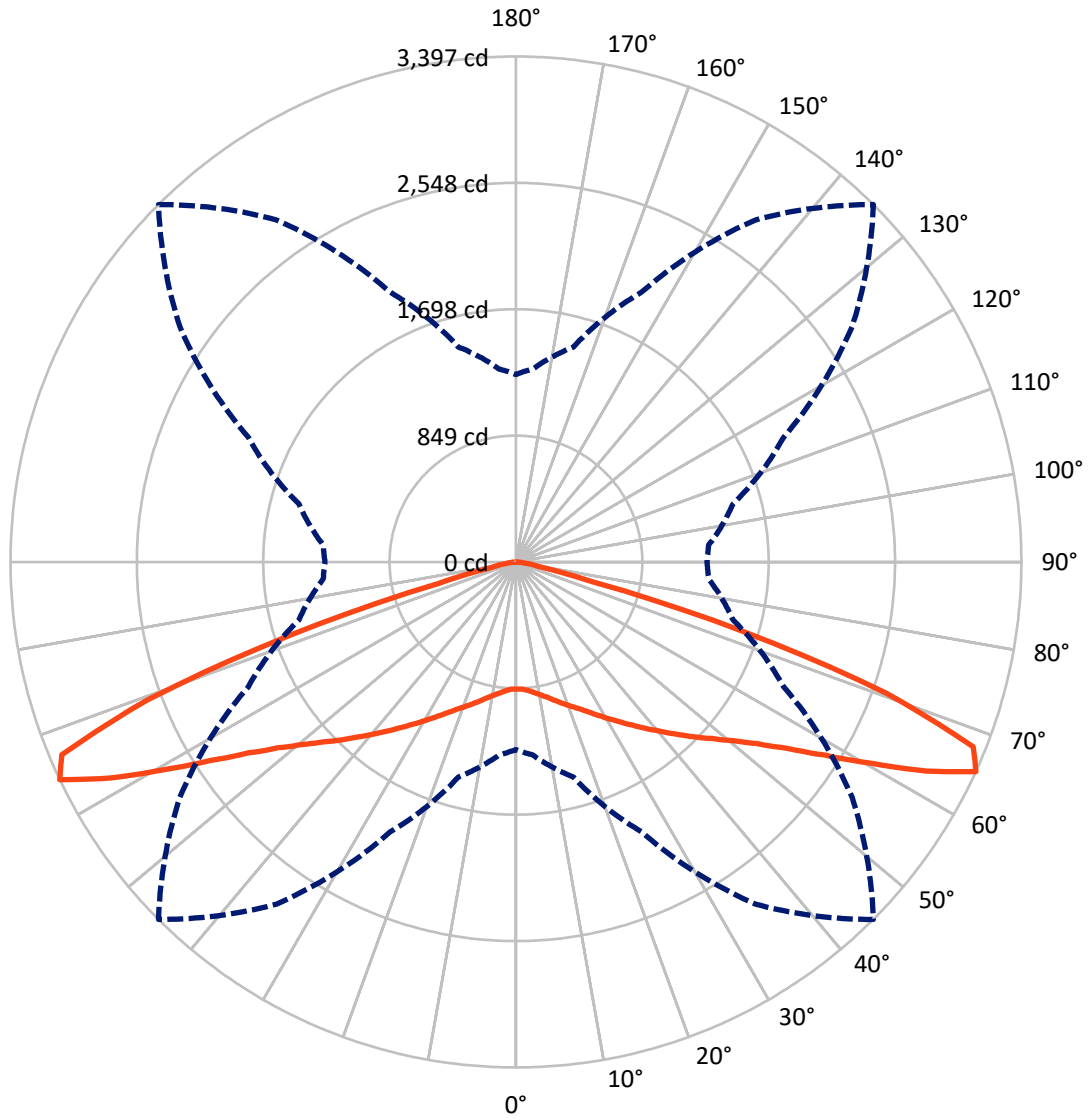
Lumens per Lamp: N/A
Luminaire Lumens: 7183 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 73.9
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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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3591.5	0.0	3591.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3591.5	0.0	3591.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7183.0	0.0	7183.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.4	1.2
10°-20°	275.3	3.8
20°-30°	519.8	7.2
30°-40°	851.1	11.8
40°-50°	1319.7	18.4
50°-60°	1949.4	27.1
60°-70°	1855.7	25.8
70°-80°	299.4	4.2
80°-90°	28.2	0.4
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°	7183.0	100.0
0°-180°	7183.0	100.0

Coefficient of Utilization



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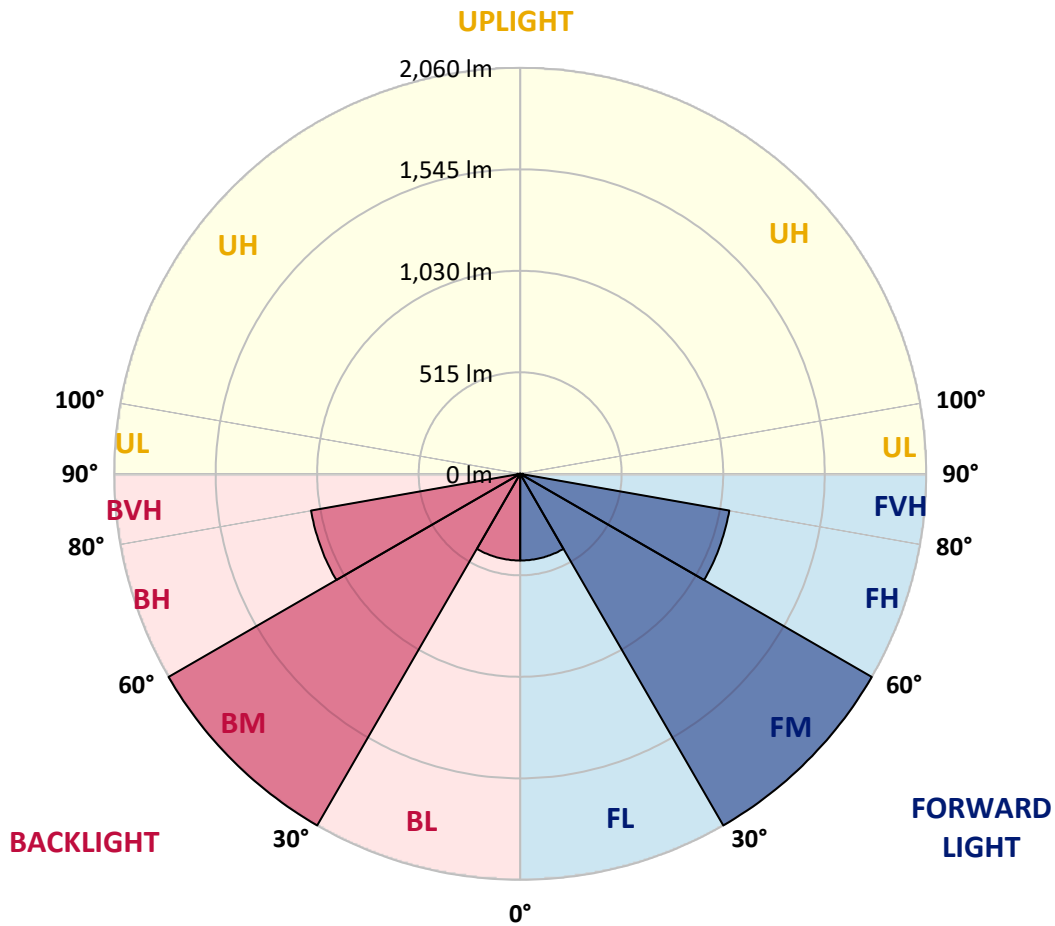
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	439.7	6.1			
FM (30°-60°)	2060.1	28.7			
FH (60°-80°)	1077.6	15.0			G1/1800
FVH (80°-90°)	14.1	0.2			G1/100
BL (0°-30°)	439.7	6.1	B1/500		
BM (30°-60°)	2060.1	28.7	B2/2500		
BH (60°-80°)	1077.6	15.0	B3/2500		G1/1800
BVH (80°-90°)	14.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	854.8	854.8	854.8	854.8	854.8	854.8	854.8	854.8	854.8	854.8
2.5°	860.6	857.7	859.9	858.1	856.7	855.2	855.9	858.5	859.5	859.9
5°	872.1	869.6	870.7	870.7	868.2	867.5	867.8	869.6	871.8	871.8
7.5°	890.9	888.4	890.9	889.4	887.3	886.6	886.2	887.6	890.9	890.9
10°	913.6	910.7	912.2	911.4	908.9	907.8	907.5	909.6	912.5	912.2
12.5°	938.5	935.2	937.0	934.9	934.1	933.1	933.1	932.7	934.5	933.1
15°	966.2	964.0	964.8	963.3	964.4	963.7	960.8	959.4	960.1	957.9
17.5°	999.0	994.0	996.5	995.8	995.8	997.2	992.5	990.7	992.2	990.0
20°	1036.8	1031.8	1032.9	1031.4	1029.6	1031.1	1025.3	1026.8	1027.8	1026.4
22.5°	1078.3	1071.8	1071.4	1072.2	1068.2	1068.6	1064.6	1068.2	1070.4	1066.4
25°	1120.8	1114.0	1118.7	1116.9	1111.8	1112.9	1110.0	1113.6	1115.4	1110.4
27.5°	1165.9	1161.2	1165.5	1166.6	1160.5	1164.8	1160.5	1163.7	1165.5	1157.9
30°	1218.5	1213.8	1217.8	1220.6	1213.4	1220.3	1216.7	1218.8	1219.2	1210.2
32.5°	1275.8	1268.6	1278.7	1280.1	1272.2	1280.5	1275.8	1278.7	1280.5	1268.2
35°	1345.7	1336.7	1348.2	1346.4	1339.6	1346.4	1342.1	1346.4	1350.7	1336.0
37.5°	1421.0	1411.7	1423.9	1420.7	1414.2	1418.9	1416.3	1419.2	1426.1	1410.2
40°	1503.9	1492.4	1509.0	1503.2	1497.1	1496.3	1497.8	1499.6	1508.6	1490.9
42.5°	1592.6	1580.3	1605.2	1596.2	1587.5	1581.8	1586.4	1590.0	1598.7	1578.9
45°	1693.8	1679.8	1712.2	1701.4	1687.7	1675.8	1683.4	1688.8	1701.4	1677.6
47.5°	1805.6	1789.7	1824.3	1821.1	1798.7	1772.8	1790.1	1805.6	1814.9	1786.1
50°	1914.8	1902.5	1947.9	1951.9	1924.5	1888.1	1912.2	1935.7	1938.2	1900.3
52.5°	2017.1	2004.9	2070.8	2095.7	2071.2	2027.9	2053.5	2077.3	2058.2	2009.2
55°	2098.9	2088.8	2172.8	2237.0	2245.2	2209.6	2224.7	2224.0	2161.3	2085.9
57.5°	2118.7	2117.3	2223.3	2359.1	2445.6	2449.9	2420.0	2343.6	2208.5	2107.2
60°	2028.6	2037.7	2183.3	2422.9	2653.6	2749.4	2620.0	2402.0	2154.8	2014.2
62.5°	1759.1	1782.9	1958.4	2345.1	2821.5	3094.0	2780.4	2313.4	1934.2	1750.8
65°	1260.6	1302.1	1496.0	2001.3	2806.4	3396.7	2757.4	1985.0	1510.4	1298.9
67.5°	571.9	614.1	778.8	1370.2	2439.5	3314.5	2433.7	1384.6	817.7	616.3
70°	207.2	214.4	267.4	548.5	1559.1	2640.9	1625.7	552.5	284.3	228.5
72.5°	125.4	126.5	137.7	196.4	541.7	1603.4	564.7	202.9	140.6	124.7
75°	79.6	78.9	98.0	120.0	192.1	540.9	201.5	120.0	97.7	89.0
77.5°	57.3	59.1	70.3	89.7	121.1	183.4	118.9	85.8	70.3	57.7
80°	42.9	44.0	51.2	69.9	85.1	114.2	75.7	63.4	53.0	36.0
82.5°	31.0	31.0	33.5	50.8	51.9	61.6	41.1	44.7	35.0	25.6
85°	18.4	18.0	20.9	30.3	27.0	22.7	18.7	27.4	22.0	15.9
87.5°	6.5	6.8	6.5	8.6	7.2	6.1	5.8	7.6	6.1	5.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
854.8
859.9
871.8
889.8
911.4
933.8
958.3
991.8
1029.6
1070.4
1116.1
1163.7
1215.6
1276.5
1345.0
1419.9
1496.7
1589.3
1689.9
1795.8
1905.0
2010.6
2088.5
2100.7
1997.7
1740.0
1283.4
607.3
225.6
126.9
89.7
58.7
37.1
25.6
15.5
5.0
0.0

OF REPORT)