

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: P940570

Luminaire Tested: **GALN-SB3C-950-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940570
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-950-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15811 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

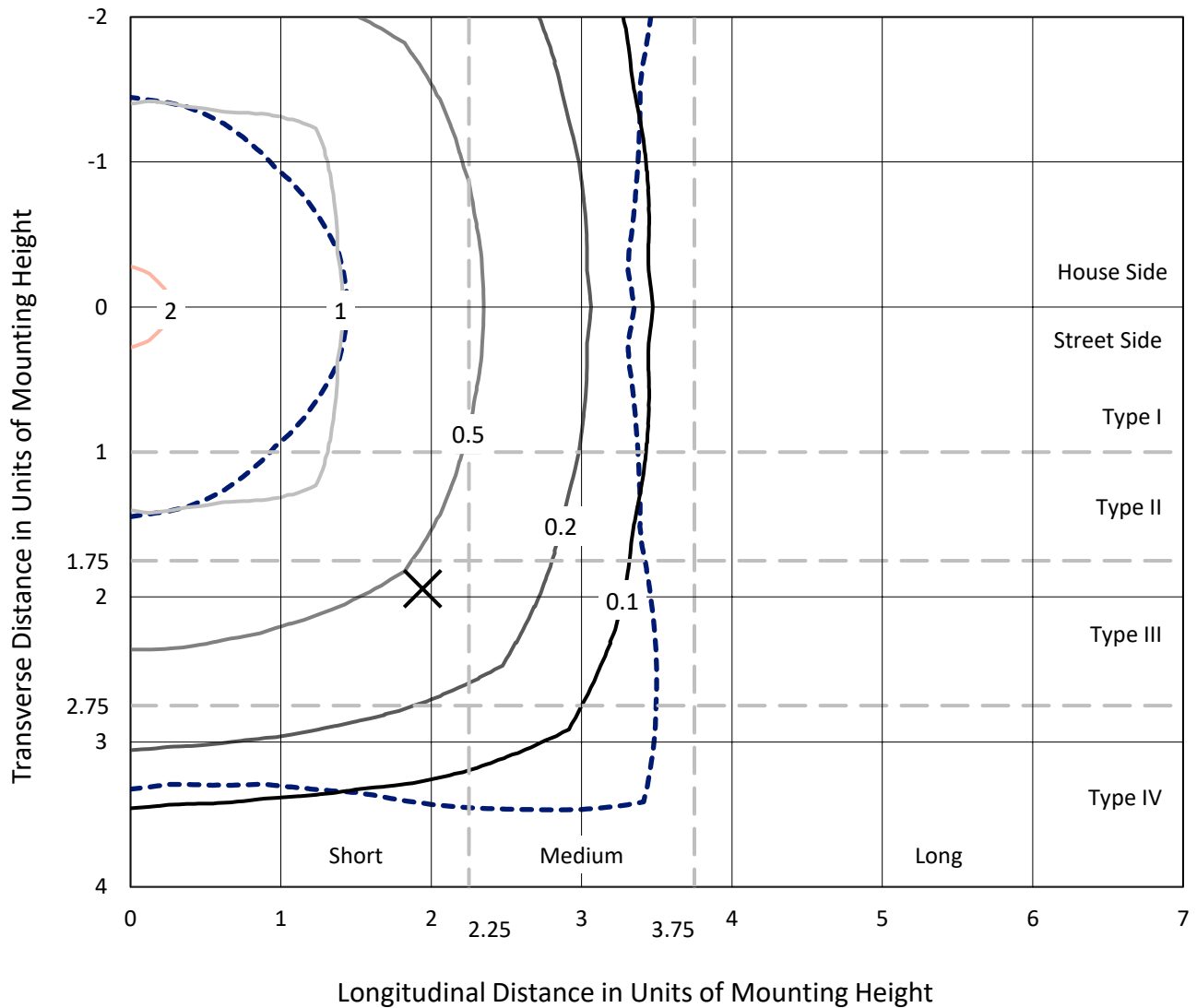
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

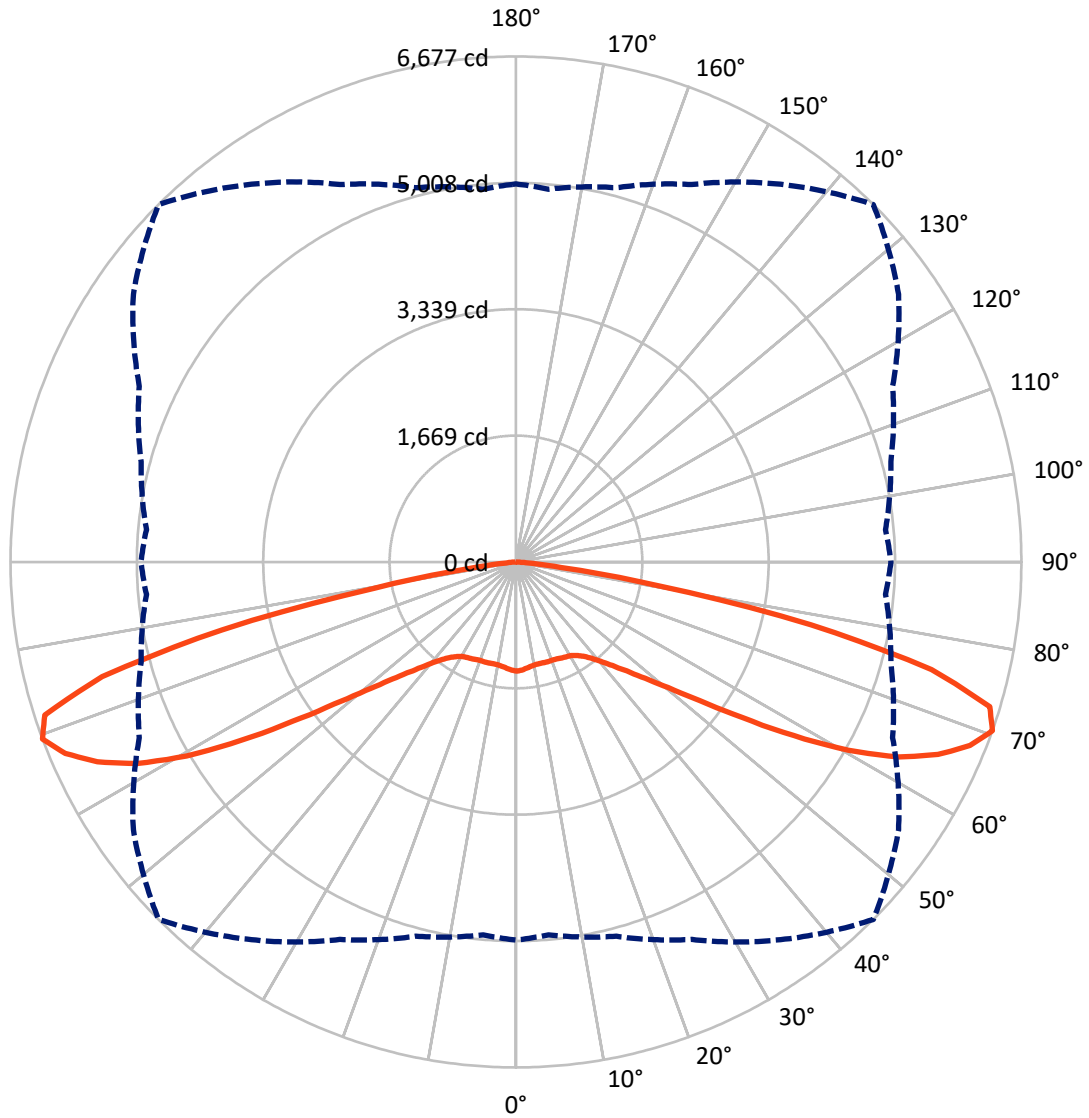
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7905.5	0.0	7905.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7905.5	0.0	7905.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15811.0	0.0	15811.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.2	0.8
10°-20°	393.9	2.5
20°-30°	655.6	4.1
30°-40°	991.4	6.3
40°-50°	1647.5	10.4
50°-60°	3108.8	19.7
60°-70°	5249.4	33.2
70°-80°	3449.4	21.8
80°-90°	180.7	1.1
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°	15811.0	100.0
0°-180°	15811.0	100.0

Coefficient of Utilization



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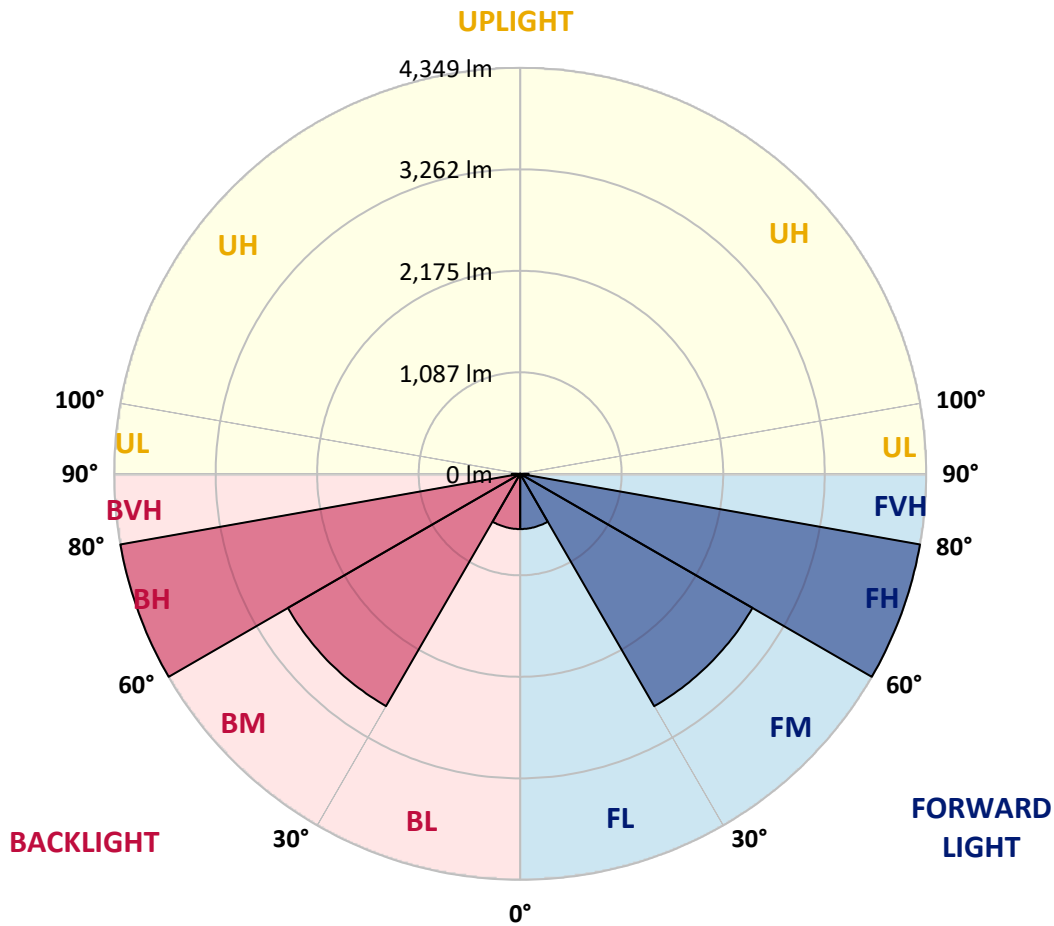
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	591.8	3.7			
FM (30°-60°)	2873.9	18.2			
FH (60°-80°)	4349.4	27.5			G2/5000
FVH (80°-90°)	90.4	0.6			G1/100
BL (0°-30°)	591.8	3.7	B2/1000		
BM (30°-60°)	2873.9	18.2	B3/5000		
BH (60°-80°)	4349.4	27.5	B4/5000		G2/5000
BVH (80°-90°)	90.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1442.3	1442.3	1442.3	1442.3	1442.3	1442.3	1442.3	1442.3	1442.3	1442.3
2.5°	1433.2	1437.4	1435.7	1432.4	1432.4	1430.0	1432.4	1434.1	1436.5	1438.2
5°	1414.3	1417.6	1416.8	1414.3	1415.2	1412.7	1414.3	1416.8	1418.4	1419.3
7.5°	1397.9	1401.2	1399.5	1395.4	1395.4	1393.0	1393.8	1396.3	1398.7	1399.5
10°	1393.8	1397.1	1392.2	1385.6	1383.1	1379.8	1380.6	1383.1	1388.0	1390.5
12.5°	1395.4	1397.9	1393.0	1383.1	1380.6	1377.4	1377.4	1379.8	1386.4	1389.7
15°	1400.4	1402.8	1395.4	1384.8	1382.3	1379.8	1379.0	1382.3	1389.7	1395.4
17.5°	1409.4	1411.9	1400.4	1385.6	1382.3	1383.1	1382.3	1384.8	1396.3	1406.9
20°	1417.6	1419.3	1403.7	1385.6	1382.3	1383.1	1382.3	1387.2	1402.0	1416.8
22.5°	1420.1	1421.7	1406.9	1391.3	1388.9	1389.7	1388.9	1393.8	1407.8	1422.6
25°	1420.9	1423.4	1411.9	1399.5	1403.7	1405.3	1403.7	1404.5	1415.2	1428.3
27.5°	1433.2	1436.5	1425.8	1415.2	1417.6	1416.8	1419.3	1421.7	1430.0	1443.1
30°	1458.7	1461.2	1452.1	1441.5	1439.8	1434.1	1441.5	1449.7	1458.7	1470.2
32.5°	1500.6	1505.6	1494.1	1482.6	1475.2	1471.9	1477.6	1491.6	1503.9	1516.2
35°	1570.5	1573.8	1563.1	1541.7	1528.6	1528.6	1533.5	1551.6	1571.3	1586.9
37.5°	1669.1	1673.2	1654.3	1628.8	1609.1	1609.1	1615.7	1634.6	1664.2	1686.4
40°	1789.1	1794.8	1771.0	1744.7	1725.8	1722.5	1730.7	1752.1	1780.0	1808.0
42.5°	1933.7	1940.3	1909.1	1886.1	1871.3	1871.3	1875.4	1895.1	1920.6	1955.1
45°	2118.6	2130.1	2087.4	2064.4	2050.4	2053.7	2056.2	2073.4	2096.4	2135.9
47.5°	2338.9	2350.4	2305.2	2281.4	2278.9	2294.5	2284.6	2297.0	2309.3	2354.5
50°	2588.7	2608.4	2577.2	2575.6	2580.5	2609.3	2586.2	2592.8	2578.8	2607.6
52.5°	2894.4	2923.2	2917.4	2927.3	2982.4	3041.5	2988.9	2965.9	2913.3	2922.4
55°	3265.1	3308.6	3316.8	3376.0	3500.9	3621.7	3510.0	3417.1	3305.3	3284.8
57.5°	3686.7	3721.2	3760.6	3881.4	4114.8	4329.3	4114.8	3909.4	3733.5	3691.6
60°	4140.3	4183.0	4220.8	4399.2	4746.0	5047.6	4739.4	4413.1	4180.6	4123.9
62.5°	4627.6	4682.7	4709.0	4907.0	5311.4	5671.3	5317.1	4921.8	4663.8	4603.0
65°	5095.2	5140.4	5170.0	5381.2	5767.5	6128.3	5793.8	5404.2	5138.8	5059.1
67.5°	5313.0	5337.7	5410.0	5649.1	6056.8	6468.5	6125.8	5674.6	5377.9	5238.2
70°	4994.2	4944.0	5118.3	5501.2	6091.3	6677.2	6170.2	5489.7	5126.5	4899.6
72.5°	3859.2	3772.9	4075.4	4730.4	5696.8	6544.1	5736.3	4767.3	4263.6	3803.3
75°	2099.7	2001.9	2419.4	3247.8	4543.0	5672.2	4647.4	3340.7	2693.9	2084.1
77.5°	592.5	555.5	892.5	1571.3	2732.5	3982.5	2837.7	1605.8	1058.5	627.9
80°	181.6	175.9	238.3	473.4	1160.4	1907.4	1115.2	479.1	303.2	191.5
82.5°	107.7	98.6	118.3	172.6	295.9	599.1	287.6	180.0	144.6	97.0
85°	61.6	57.5	69.9	83.8	99.4	127.4	83.0	85.5	77.3	51.8
87.5°	25.5	23.0	27.1	26.3	23.0	29.6	22.2	26.3	31.2	20.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

<u>90°</u>
1442.3
1437.4
1419.3
1399.5
1390.5
1390.5
1396.3
1406.9
1417.6
1422.6
1427.5
1439.8
1467.8
1511.3
1581.2
1678.1
1798.9
1952.6
2134.2
2341.3
2590.4
2892.0
3252.7
3662.0
4074.5
4553.7
5019.6
5239.9
4953.9
3917.6
2219.7
697.7
202.2
105.2
54.2
18.9
0.0

OF REPORT)