

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: P948652

Luminaire Tested: **GALN-SB3C-927-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948652
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-927-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14324 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

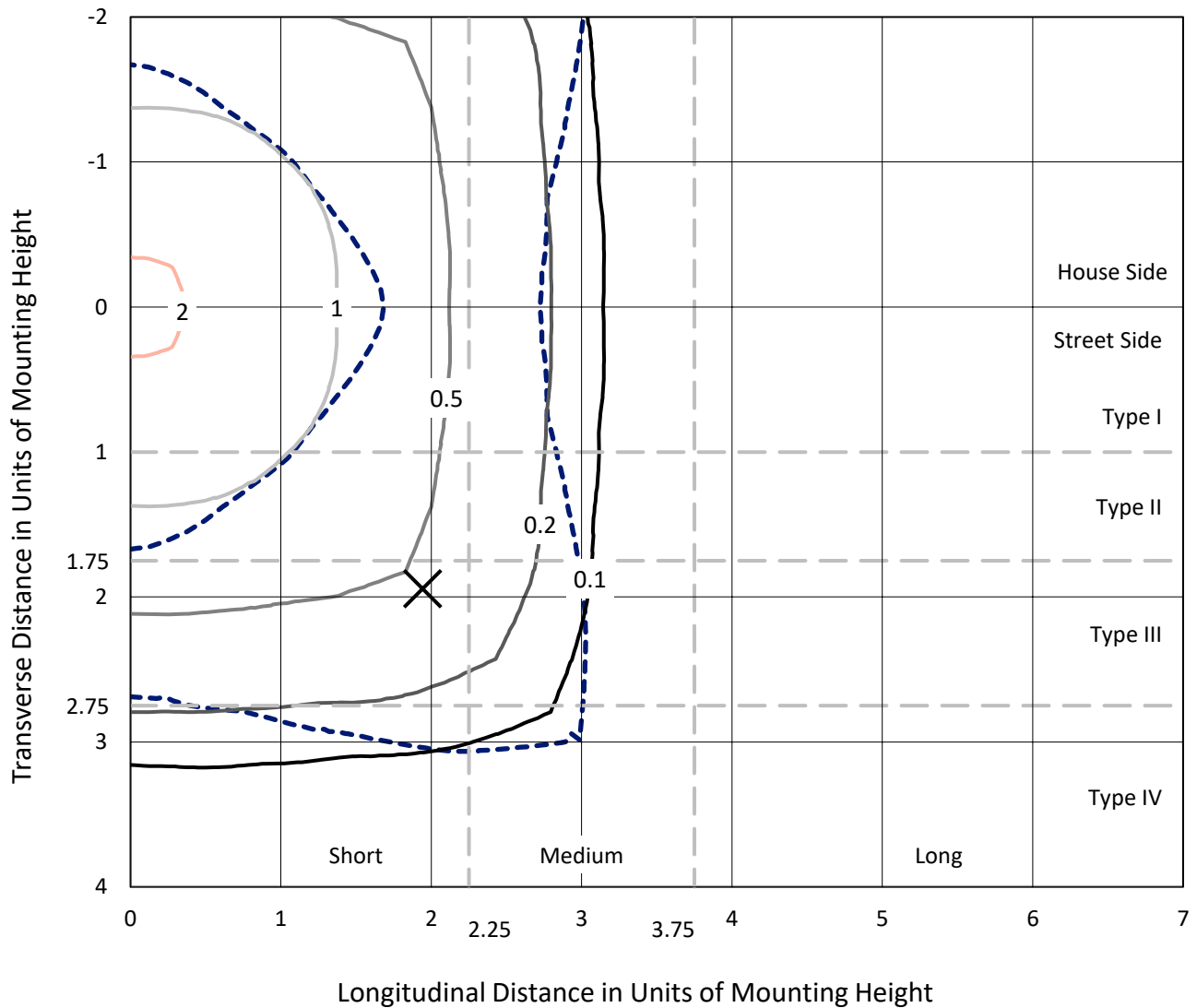
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

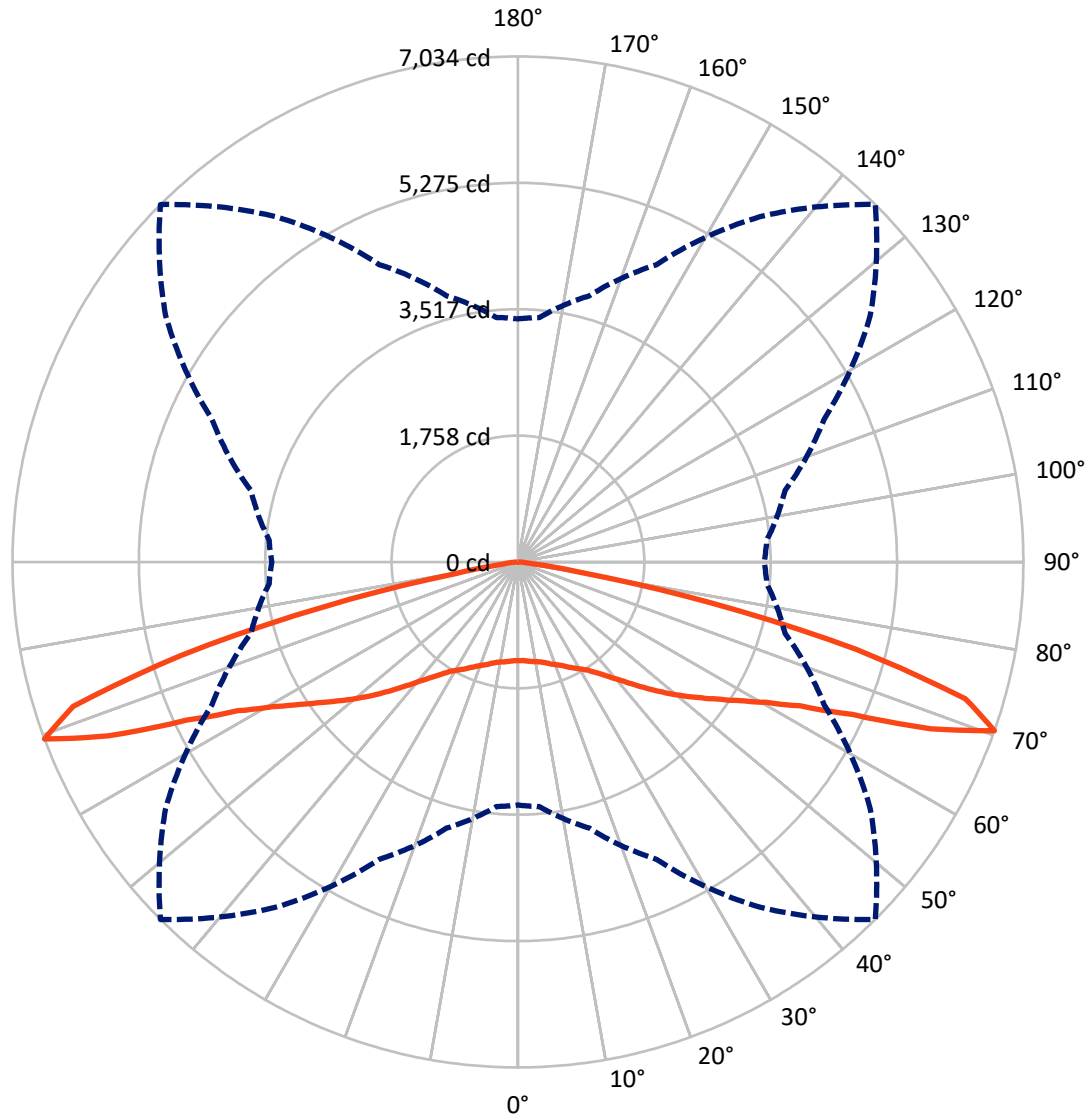
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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	7162.0	0.0	7162.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7162.0	0.0	7162.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14324.0	0.0	14324.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.3	0.9
10°-20°	413.3	2.9
20°-30°	738.7	5.2
30°-40°	1197.4	8.4
40°-50°	1950.4	13.6
50°-60°	2973.7	20.8
60°-70°	4423.9	30.9
70°-80°	2411.2	16.8
80°-90°	82.1	0.6
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°	14324.0	100.0
0°-180°	14324.0	100.0

Coefficient of Utilization



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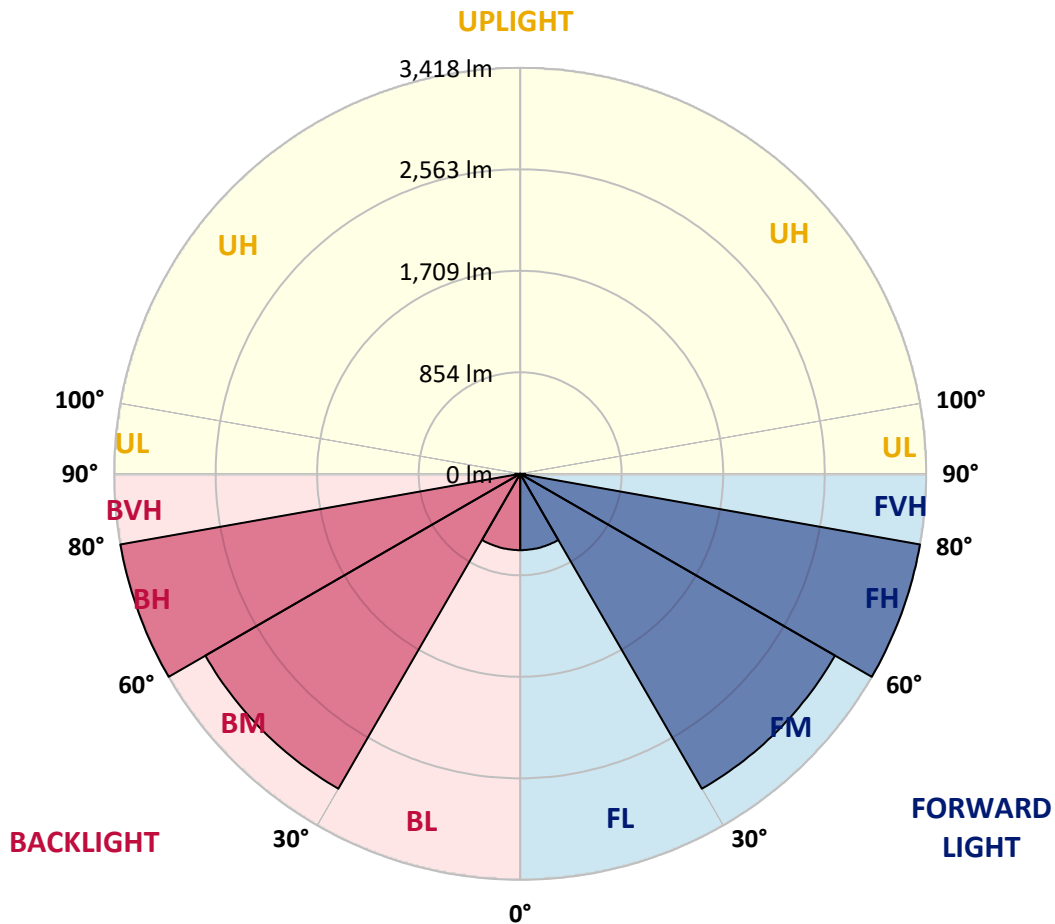
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	642.7	4.5			
FM (30°-60°)	3060.7	21.4			
FH (60°-80°)	3417.5	23.9			G2/5000
FVH (80°-90°)	41.1	0.3			G1/100
BL (0°-30°)	642.7	4.5	B2/1000		
BM (30°-60°)	3060.7	21.4	B3/5000		
BH (60°-80°)	3417.5	23.9	B4/5000		G2/5000
BVH (80°-90°)	41.1	0.3			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°	1372.1	1372.1	1372.1	1372.1	1372.1	1372.1	1372.1	1372.1	1372.1	1372.1
2.5°	1378.6	1380.0	1377.1	1375.7	1374.2	1372.1	1372.8	1376.4	1379.3	1378.6
5°	1390.1	1391.5	1389.3	1388.6	1385.8	1385.0	1385.0	1388.6	1390.8	1389.3
7.5°	1403.0	1405.2	1401.6	1400.9	1399.4	1398.0	1397.3	1400.9	1403.0	1403.0
10°	1415.2	1417.4	1414.5	1412.4	1410.9	1410.9	1409.5	1412.4	1416.0	1415.2
12.5°	1428.2	1429.6	1426.7	1425.3	1425.3	1427.5	1425.3	1426.7	1429.6	1428.2
15°	1444.0	1444.7	1444.0	1446.2	1449.8	1456.9	1450.5	1449.0	1450.5	1446.9
17.5°	1465.6	1467.0	1469.9	1474.9	1480.0	1492.9	1481.4	1477.8	1477.8	1470.6
20°	1492.2	1494.3	1498.7	1507.3	1513.8	1526.0	1514.5	1509.4	1507.3	1497.9
22.5°	1520.2	1523.8	1530.3	1541.8	1553.3	1564.8	1553.3	1544.7	1538.2	1526.0
25°	1552.6	1556.9	1567.0	1585.7	1601.5	1618.0	1604.4	1587.1	1574.2	1556.9
27.5°	1598.6	1603.6	1615.9	1638.9	1659.0	1673.4	1660.5	1638.2	1620.2	1599.3
30°	1663.3	1668.4	1682.8	1707.2	1720.9	1730.2	1721.6	1704.3	1682.8	1659.0
32.5°	1746.8	1753.2	1769.0	1792.1	1794.9	1796.4	1793.5	1784.9	1769.0	1740.3
35°	1852.5	1859.7	1877.6	1896.3	1893.5	1896.3	1892.0	1889.1	1877.6	1844.6
37.5°	1981.9	1990.5	2009.2	2023.6	2016.4	2012.8	2013.6	2014.3	2007.8	1971.1
40°	2132.2	2143.7	2157.4	2172.5	2160.3	2149.5	2156.7	2162.4	2156.7	2119.3
42.5°	2286.8	2303.4	2317.7	2339.3	2329.2	2315.6	2325.7	2332.1	2319.9	2279.6
45°	2458.7	2474.5	2493.2	2525.6	2518.4	2504.0	2518.4	2519.8	2499.0	2451.5
47.5°	2636.3	2652.9	2680.9	2724.0	2721.2	2705.3	2724.0	2714.0	2687.4	2630.6
50°	2804.6	2827.6	2870.7	2931.2	2936.9	2917.5	2942.7	2923.2	2878.7	2807.5
52.5°	2962.8	2987.2	3055.6	3137.5	3158.4	3133.2	3167.0	3133.2	3066.4	2975.0
55°	3128.9	3156.2	3237.5	3344.7	3386.4	3367.7	3399.3	3348.2	3253.3	3142.6
57.5°	3324.5	3341.1	3438.1	3565.4	3635.9	3640.2	3654.6	3568.3	3453.2	3327.4
60°	3536.7	3559.7	3665.4	3817.8	3929.3	3965.3	3950.2	3822.2	3688.4	3543.8
62.5°	3808.5	3833.7	3960.2	4142.9	4319.1	4408.2	4349.3	4163.7	3998.3	3825.0
65°	4033.6	4061.6	4290.3	4616.1	4936.8	5115.9	4967.7	4626.1	4328.4	4083.9
67.5°	3870.3	3904.9	4263.7	4862.0	5659.5	6193.8	5686.8	4935.4	4352.1	4020.6
70°	3382.8	3415.1	3833.7	4565.0	5863.0	7033.8	5985.3	4699.5	3847.3	3476.3
72.5°	2245.8	2350.1	2773.7	3651.0	5235.2	6508.8	5287.0	3576.9	2573.0	2240.8
75°	745.0	828.4	1117.5	1892.7	3506.5	4867.8	3338.2	1674.8	885.2	637.1
77.5°	187.7	216.5	298.4	541.5	1398.7	2771.5	1259.2	442.3	240.9	168.3
80°	91.3	100.7	143.8	180.5	350.2	880.9	328.6	169.7	113.6	87.7
82.5°	50.3	51.1	81.3	102.1	130.2	228.0	135.2	99.2	65.4	53.2
85°	30.9	30.2	43.1	54.7	54.7	81.3	64.7	54.7	37.4	33.1
87.5°	12.2	12.2	15.8	17.3	15.1	20.9	16.5	18.0	14.4	13.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1372.1
1379.3
1390.1
1403.0
1415.2
1427.5
1446.9
1470.6
1497.9
1525.3
1556.2
1598.6
1659.0
1741.0
1844.6
1971.1
2119.3
2282.5
2456.5
2627.0
2806.0
2966.4
3127.5
3310.1
3520.8
3794.8
4043.6
3971.0
3426.6
2168.2
602.6
150.3
80.5
53.2
34.5
14.4
0.0

OF REPORT)