

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: P940270

Luminaire Tested: **GALN-SB3B-735-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940270
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-SB3B-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17090 lumens
Efficiency: N/A
Efficacy: 156.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

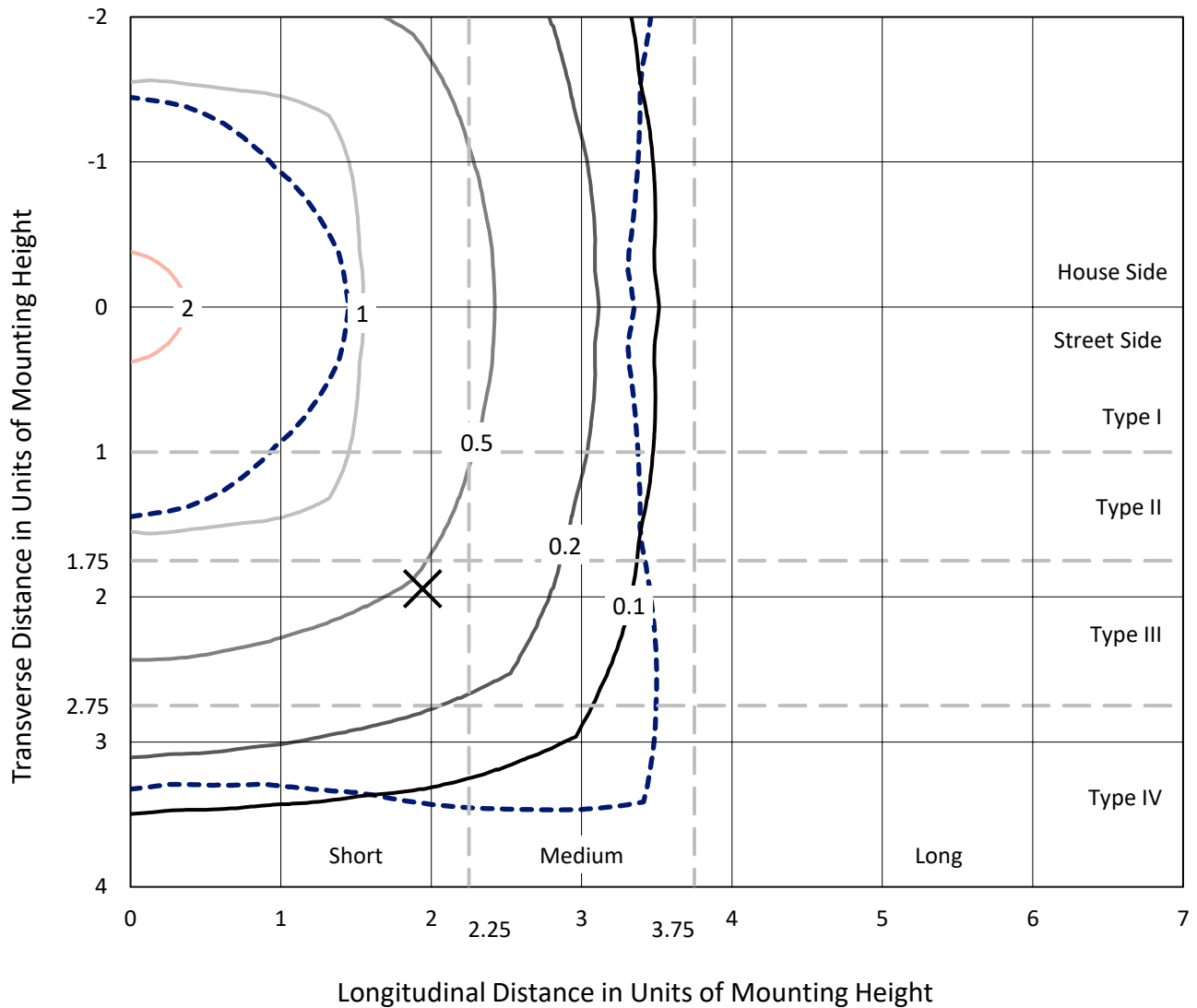
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

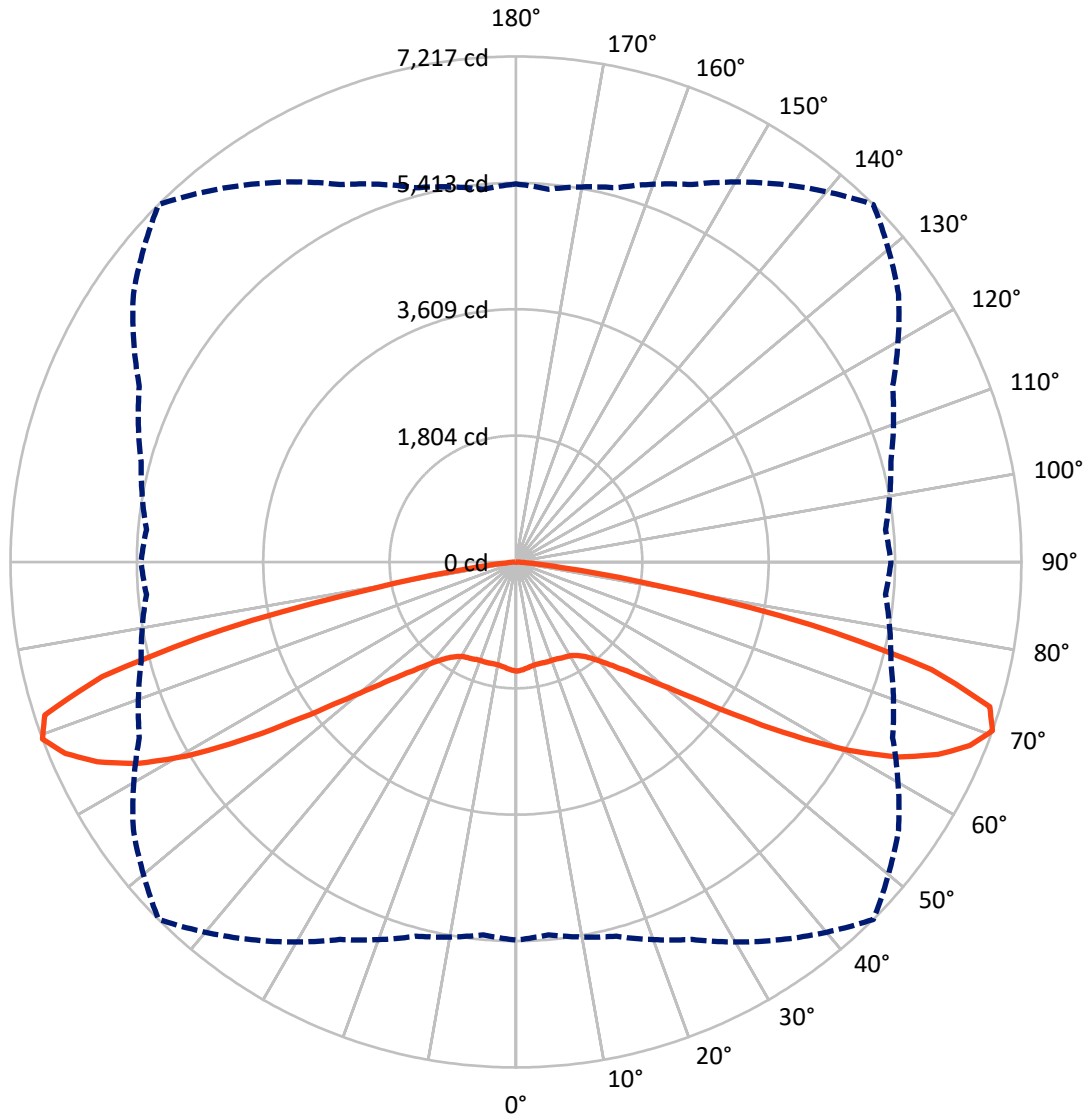
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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	8545.0	0.0	8545.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8545.0	0.0	8545.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17090.0	0.0	17090.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.0	0.8
10°-20°	425.8	2.5
20°-30°	708.6	4.1
30°-40°	1071.6	6.3
40°-50°	1780.8	10.4
50°-60°	3360.3	19.7
60°-70°	5674.0	33.2
70°-80°	3728.4	21.8
80°-90°	195.3	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°	17090.0	100.0
0°-180°	17090.0	100.0

Coefficient of Utilization



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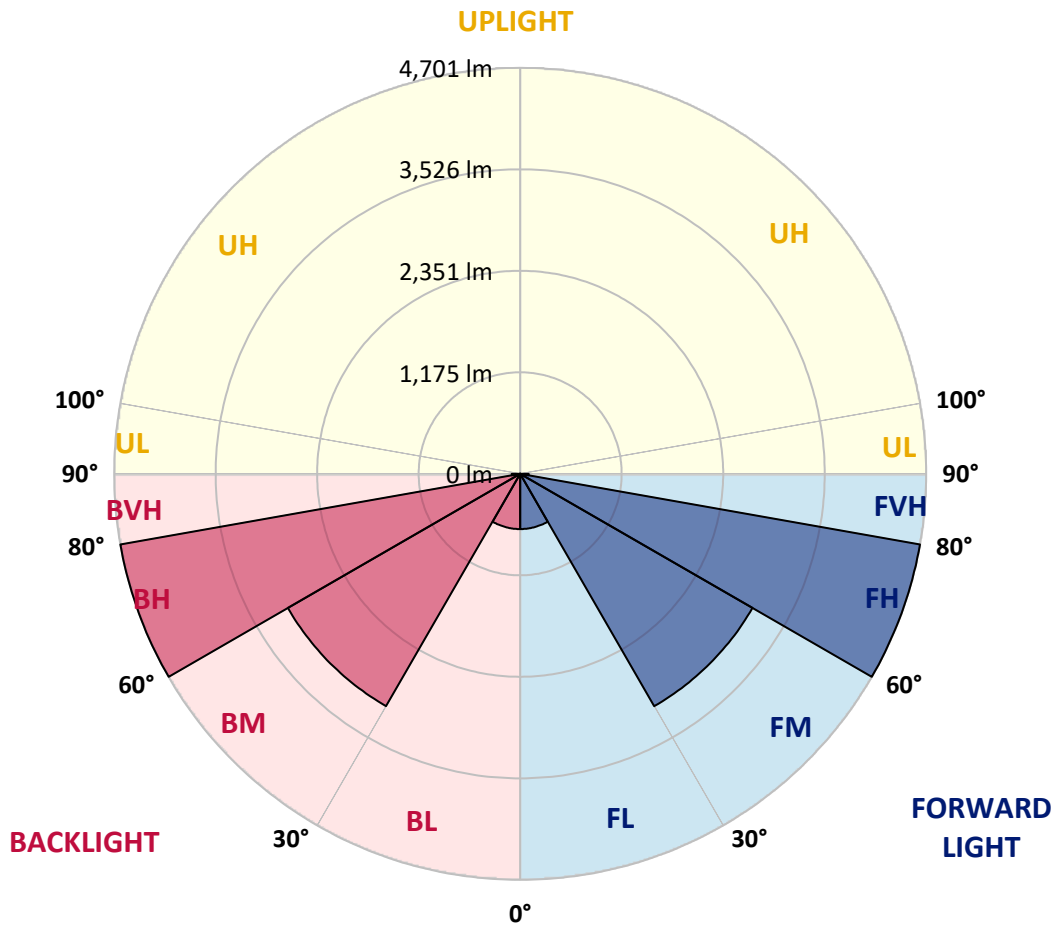
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	639.7	3.7			
FM (30°-60°)	3106.4	18.2			
FH (60°-80°)	4701.2	27.5			G2/5000
FVH (80°-90°)	97.7	0.6			G1/100
BL (0°-30°)	639.7	3.7	B2/1000		
BM (30°-60°)	3106.4	18.2	B3/5000		
BH (60°-80°)	4701.2	27.5	B4/5000		G2/5000
BVH (80°-90°)	97.7	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°	1559.0	1559.0	1559.0	1559.0	1559.0	1559.0	1559.0	1559.0	1559.0	1559.0
2.5°	1549.2	1553.6	1551.8	1548.3	1548.3	1545.6	1548.3	1550.1	1552.7	1554.5
5°	1528.8	1532.3	1531.4	1528.8	1529.6	1527.0	1528.8	1531.4	1533.2	1534.1
7.5°	1511.0	1514.5	1512.8	1508.3	1508.3	1505.7	1506.5	1509.2	1511.9	1512.8
10°	1506.5	1510.1	1504.8	1497.7	1495.0	1491.4	1492.3	1495.0	1500.3	1503.0
12.5°	1508.3	1511.0	1505.7	1495.0	1492.3	1488.8	1488.8	1491.4	1498.5	1502.1
15°	1513.6	1516.3	1508.3	1496.8	1494.1	1491.4	1490.6	1494.1	1502.1	1508.3
17.5°	1523.4	1526.1	1513.6	1497.7	1494.1	1495.0	1494.1	1496.8	1509.2	1520.8
20°	1532.3	1534.1	1517.2	1497.7	1494.1	1495.0	1494.1	1499.4	1515.4	1531.4
22.5°	1535.0	1536.7	1520.8	1503.9	1501.2	1502.1	1501.2	1506.5	1521.6	1537.6
25°	1535.9	1538.5	1526.1	1512.8	1517.2	1519.0	1517.2	1518.1	1529.6	1543.9
27.5°	1549.2	1552.7	1541.2	1529.6	1532.3	1531.4	1534.1	1536.7	1545.6	1559.8
30°	1576.7	1579.4	1569.6	1558.1	1556.3	1550.1	1558.1	1566.9	1576.7	1589.2
32.5°	1622.0	1627.4	1614.9	1602.5	1594.5	1590.9	1597.1	1612.2	1625.6	1638.9
35°	1697.5	1701.1	1689.5	1666.4	1652.2	1652.2	1657.6	1677.1	1698.4	1715.3
37.5°	1804.1	1808.6	1788.1	1760.6	1739.3	1739.3	1746.4	1766.8	1798.8	1822.8
40°	1933.8	1940.0	1914.3	1885.8	1865.4	1861.9	1870.7	1893.8	1924.0	1954.2
42.5°	2090.2	2097.3	2063.5	2038.6	2022.6	2022.6	2027.1	2048.4	2075.9	2113.2
45°	2290.0	2302.5	2256.3	2231.4	2216.3	2219.8	2222.5	2241.2	2266.0	2308.7
47.5°	2528.1	2540.5	2491.7	2465.9	2463.2	2480.1	2469.5	2482.8	2496.1	2545.0
50°	2798.1	2819.4	2785.7	2783.9	2789.2	2820.3	2795.5	2802.6	2787.5	2818.5
52.5°	3128.6	3159.7	3153.4	3164.1	3223.6	3287.6	3230.7	3205.8	3149.0	3158.8
55°	3529.2	3576.3	3585.1	3649.1	3784.1	3914.7	3793.9	3693.5	3572.7	3550.5
57.5°	3984.9	4022.2	4064.8	4195.4	4447.7	4679.5	4447.7	4225.6	4035.5	3990.2
60°	4475.2	4521.4	4562.3	4755.0	5129.9	5455.9	5122.8	4770.1	4518.7	4457.4
62.5°	5002.0	5061.5	5089.9	5304.0	5741.0	6130.1	5747.2	5320.0	5041.1	4975.3
65°	5507.4	5556.3	5588.2	5816.5	6234.0	6624.0	6262.5	5841.4	5554.5	5468.3
67.5°	5742.8	5769.5	5847.6	6106.1	6546.7	6991.7	6621.3	6133.7	5813.0	5662.0
70°	5398.1	5344.0	5532.3	5946.2	6584.0	7217.4	6669.3	5933.8	5541.2	5296.0
72.5°	4171.4	4078.1	4405.0	5113.0	6157.6	7073.5	6200.3	5153.0	4608.5	4111.0
75°	2269.6	2163.9	2615.1	3510.5	4910.5	6131.0	5023.3	3610.9	2911.8	2252.7
77.5°	640.5	600.5	964.7	1698.4	2953.6	4304.7	3067.3	1735.7	1144.1	678.7
80°	196.3	190.1	257.6	511.7	1254.3	2061.7	1205.4	517.9	327.8	207.0
82.5°	116.4	106.6	127.9	186.5	319.8	647.6	310.9	194.5	156.3	104.8
85°	66.6	62.2	75.5	90.6	107.5	137.7	89.7	92.4	83.5	56.0
87.5°	27.5	24.9	29.3	28.4	24.9	32.0	24.0	28.4	33.8	22.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1559.0
1553.6
1534.1
1512.8
1503.0
1503.0
1509.2
1520.8
1532.3
1537.6
1543.0
1556.3
1586.5
1633.6
1709.1
1813.9
1944.5
2110.6
2306.9
2530.7
2799.9
3125.9
3515.9
3958.2
4404.2
4922.0
5425.7
5663.7
5354.6
4234.5
2399.3
754.2
218.5
113.7
58.6
20.4
0.0

OF REPORT)