

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: P956381

Luminaire Tested: **GALN-SB9A-760-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956381
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-SB9A-760-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 5700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45297 lumens
Efficiency: N/A
Efficacy: 177.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

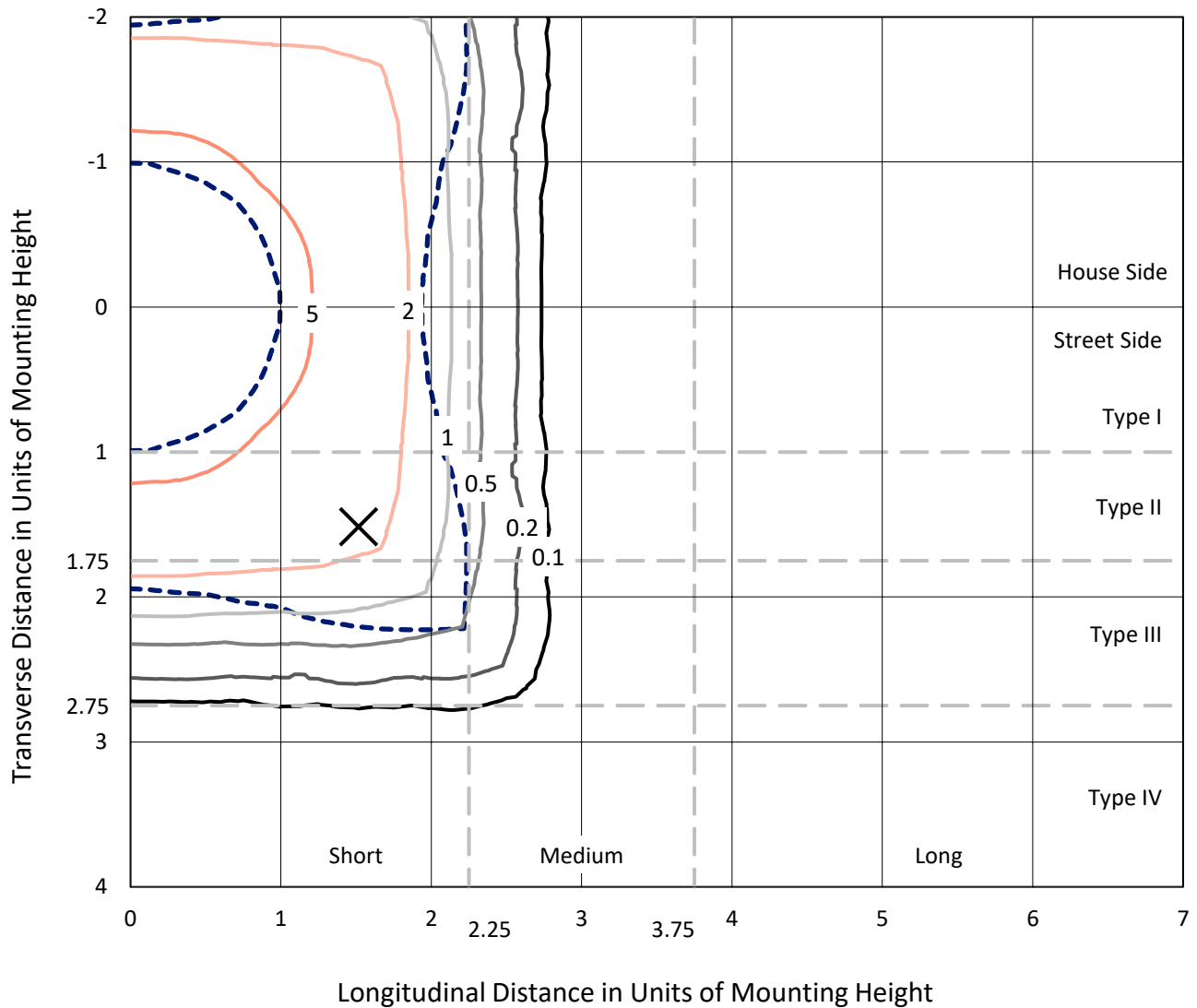
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

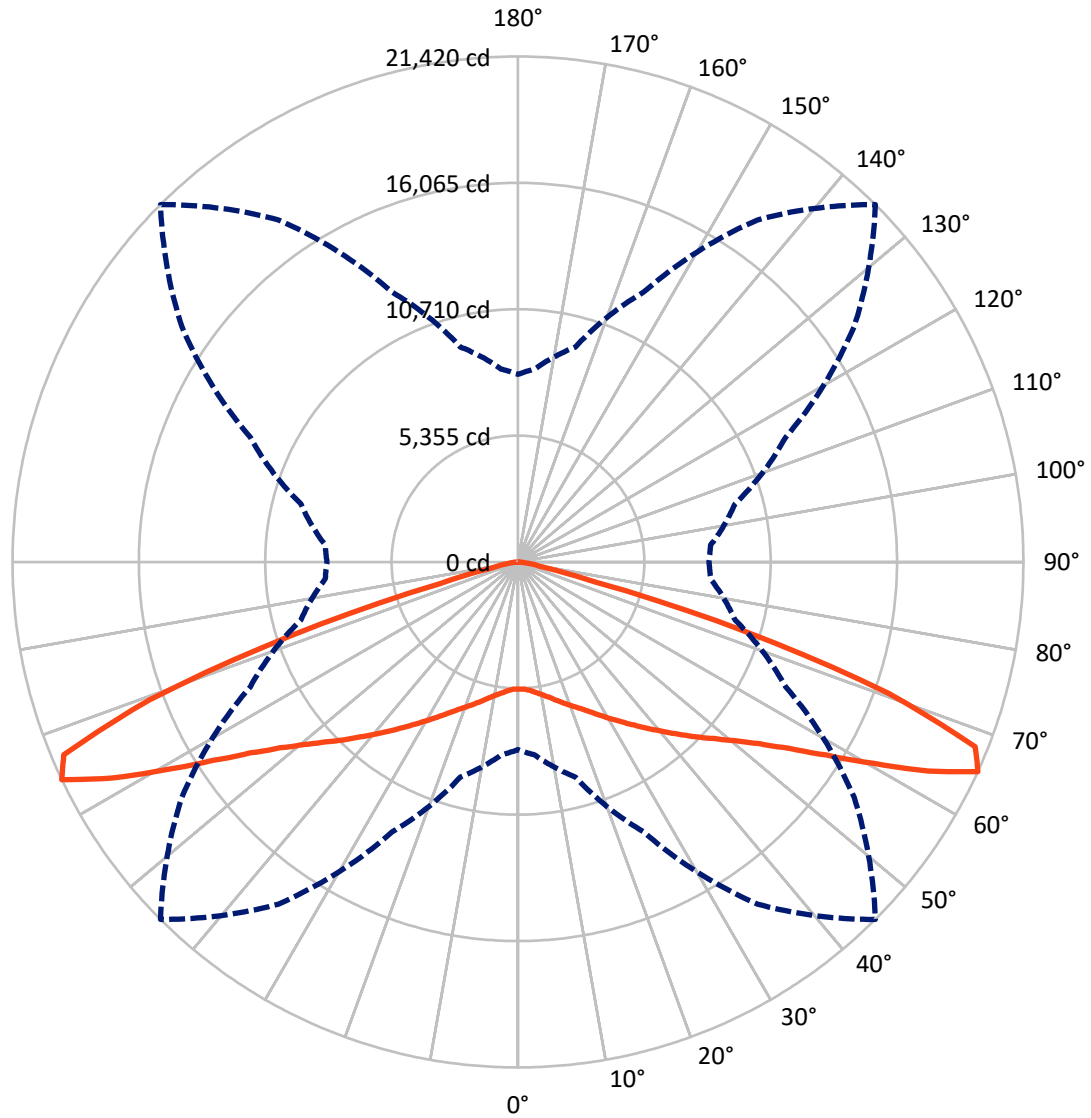
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type V - Short - N/A

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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 | 22648.5 | 0.0 | 22648.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 22648.5 | 0.0 | 22648.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 45297.0 | 0.0 | 45297.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 532.0 | 1.2 |
| 10°-20° | 1736.0 | 3.8 |
| 20°-30° | 3277.8 | 7.2 |
| 30°-40° | 5367.3 | 11.8 |
| 40°-50° | 8322.0 | 18.4 |
| 50°-60° | 12293.4 | 27.1 |
| 60°-70° | 11702.2 | 25.8 |
| 70°-80° | 1888.3 | 4.2 |
| 80°-90° | 178.0 | 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° | 45297.0 | 100.0 |
| 0°-180° | 45297.0 | 100.0 |



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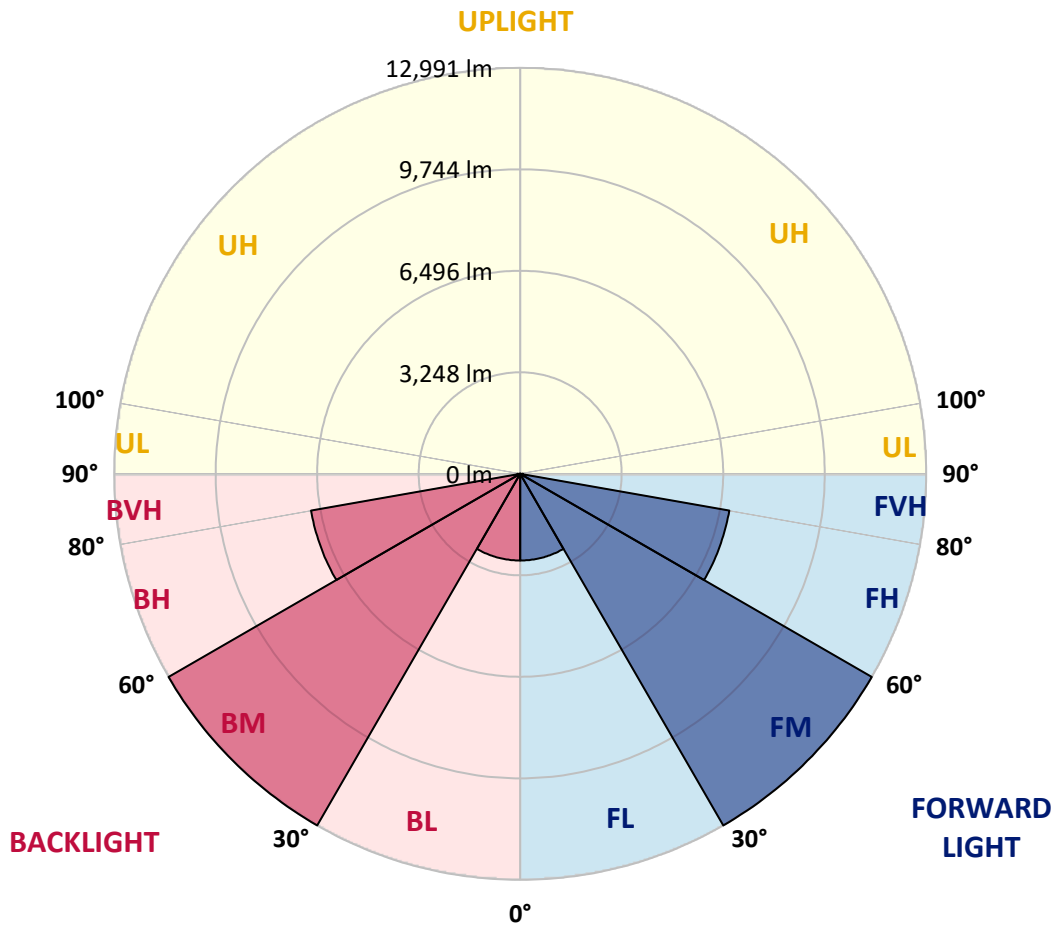
CATALOG NUMBER: GALN-SB9A-760-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2772.9 | 6.1 | | | |
| FM (30°-60°) | 12991.4 | 28.7 | | | |
| FH (60°-80°) | 6795.2 | 15.0 | | | G3/7500 |
| FVH (80°-90°) | 89.0 | 0.2 | | | G1/100 |
| BL (0°-30°) | 2772.9 | 6.1 | B4/5000 | | |
| BM (30°-60°) | 12991.4 | 28.7 | B5 | | |
| BH (60°-80°) | 6795.2 | 15.0 | B5 | | G3/7500 |
| BVH (80°-90°) | 89.0 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 5390.8 | 5390.8 | 5390.8 | 5390.8 | 5390.8 | 5390.8 | 5390.8 | 5390.8 | 5390.8 | 5390.8 |
| 2.5° | 5427.2 | 5409.0 | 5422.6 | 5411.3 | 5402.2 | 5393.1 | 5397.6 | 5413.5 | 5420.3 | 5422.6 |
| 5° | 5499.9 | 5484.0 | 5490.8 | 5490.8 | 5474.9 | 5470.3 | 5472.6 | 5484.0 | 5497.6 | 5497.6 |
| 7.5° | 5618.1 | 5602.2 | 5618.1 | 5609.0 | 5595.3 | 5590.8 | 5588.5 | 5597.6 | 5618.1 | 5618.1 |
| 10° | 5761.2 | 5743.1 | 5752.2 | 5747.6 | 5731.7 | 5724.9 | 5722.6 | 5736.2 | 5754.4 | 5752.2 |
| 12.5° | 5918.1 | 5897.6 | 5909.0 | 5895.3 | 5890.8 | 5884.0 | 5884.0 | 5881.7 | 5893.1 | 5884.0 |
| 15° | 6093.1 | 6079.4 | 6084.0 | 6074.9 | 6081.7 | 6077.1 | 6059.0 | 6049.9 | 6054.4 | 6040.8 |
| 17.5° | 6299.9 | 6268.1 | 6284.0 | 6279.4 | 6279.4 | 6288.5 | 6259.0 | 6247.6 | 6256.7 | 6243.1 |
| 20° | 6538.5 | 6506.7 | 6513.5 | 6504.4 | 6493.0 | 6502.1 | 6465.8 | 6474.9 | 6481.7 | 6472.6 |
| 22.5° | 6799.9 | 6758.9 | 6756.7 | 6761.2 | 6736.2 | 6738.5 | 6713.5 | 6736.2 | 6749.9 | 6724.9 |
| 25° | 7068.0 | 7024.9 | 7054.4 | 7043.0 | 7011.2 | 7018.0 | 6999.9 | 7022.6 | 7033.9 | 7002.1 |
| 27.5° | 7352.1 | 7322.6 | 7349.8 | 7356.7 | 7318.0 | 7345.3 | 7318.0 | 7338.5 | 7349.8 | 7302.1 |
| 30° | 7683.9 | 7654.4 | 7679.4 | 7697.6 | 7652.1 | 7695.3 | 7672.6 | 7686.2 | 7688.5 | 7631.7 |
| 32.5° | 8045.3 | 7999.8 | 8063.5 | 8072.6 | 8022.6 | 8074.8 | 8045.3 | 8063.5 | 8074.8 | 7997.6 |
| 35° | 8486.2 | 8429.4 | 8502.1 | 8490.7 | 8447.6 | 8490.7 | 8463.5 | 8490.7 | 8518.0 | 8424.8 |
| 37.5° | 8961.2 | 8902.1 | 8979.4 | 8958.9 | 8918.0 | 8947.5 | 8931.6 | 8949.8 | 8993.0 | 8893.0 |
| 40° | 9483.9 | 9411.2 | 9515.7 | 9479.3 | 9440.7 | 9436.2 | 9445.3 | 9456.6 | 9513.4 | 9402.1 |
| 42.5° | 10043.0 | 9965.7 | 10122.5 | 10065.7 | 10011.2 | 9974.8 | 10004.3 | 10027.1 | 10081.6 | 9956.6 |
| 45° | 10681.6 | 10593.0 | 10797.5 | 10729.3 | 10643.0 | 10568.0 | 10615.7 | 10649.8 | 10729.3 | 10579.3 |
| 47.5° | 11386.1 | 11286.1 | 11504.3 | 11483.9 | 11342.9 | 11179.3 | 11288.4 | 11386.1 | 11445.2 | 11263.4 |
| 50° | 12074.7 | 11997.5 | 12283.8 | 12308.8 | 12136.1 | 11906.6 | 12058.8 | 12206.6 | 12222.5 | 11983.8 |
| 52.5° | 12720.2 | 12642.9 | 13058.8 | 13215.6 | 13061.1 | 12788.4 | 12949.7 | 13099.7 | 12979.3 | 12670.2 |
| 55° | 13236.1 | 13172.5 | 13702.0 | 14106.5 | 14158.8 | 13933.8 | 14029.3 | 14024.7 | 13629.3 | 13154.3 |
| 57.5° | 13361.1 | 13352.0 | 14020.2 | 14877.0 | 15422.4 | 15449.7 | 15261.0 | 14779.2 | 13927.0 | 13288.4 |
| 60° | 12792.9 | 12849.7 | 13767.9 | 15279.2 | 16733.7 | 17338.3 | 16522.4 | 15147.4 | 13588.4 | 12702.0 |
| 62.5° | 11092.9 | 11242.9 | 12349.7 | 14788.3 | 17792.8 | 19511.0 | 17533.7 | 14588.3 | 12197.5 | 11040.7 |
| 65° | 7949.8 | 8211.2 | 9433.9 | 12620.2 | 17697.4 | 21420.0 | 17388.3 | 12517.9 | 9524.8 | 8190.7 |
| 67.5° | 3606.7 | 3872.6 | 4911.3 | 8640.7 | 15383.8 | 20901.8 | 15347.4 | 8731.6 | 5156.7 | 3886.3 |
| 70° | 1306.8 | 1352.2 | 1686.3 | 3459.0 | 9831.6 | 16654.2 | 10252.1 | 3484.0 | 1793.1 | 1440.9 |
| 72.5° | 790.9 | 797.7 | 868.2 | 1238.6 | 3415.8 | 10111.2 | 3561.3 | 1279.5 | 886.3 | 786.3 |
| 75° | 502.3 | 497.7 | 618.2 | 756.8 | 1211.3 | 3411.3 | 1270.4 | 756.8 | 615.9 | 561.4 |
| 77.5° | 361.4 | 372.7 | 443.2 | 565.9 | 763.6 | 1156.8 | 750.0 | 540.9 | 443.2 | 363.6 |
| 80° | 270.4 | 277.3 | 322.7 | 440.9 | 536.4 | 720.4 | 477.3 | 400.0 | 334.1 | 227.3 |
| 82.5° | 195.5 | 195.5 | 211.4 | 320.4 | 327.3 | 388.6 | 259.1 | 281.8 | 220.4 | 161.4 |
| 85° | 115.9 | 113.6 | 131.8 | 190.9 | 170.5 | 143.2 | 118.2 | 172.7 | 138.6 | 100.0 |
| 87.5° | 40.9 | 43.2 | 40.9 | 54.5 | 45.5 | 38.6 | 36.4 | 47.7 | 38.6 | 34.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

| 90° |
|---------|
| 5390.8 |
| 5422.6 |
| 5497.6 |
| 5611.2 |
| 5747.6 |
| 5888.5 |
| 6043.1 |
| 6254.4 |
| 6493.0 |
| 6749.9 |
| 7038.5 |
| 7338.5 |
| 7665.7 |
| 8049.8 |
| 8481.6 |
| 8954.4 |
| 9438.4 |
| 10022.5 |
| 10656.6 |
| 11324.8 |
| 12013.4 |
| 12679.3 |
| 13170.2 |
| 13247.4 |
| 12597.5 |
| 10972.5 |
| 8093.0 |
| 3829.5 |
| 1422.7 |
| 800.0 |
| 565.9 |
| 370.4 |
| 234.1 |
| 161.4 |
| 97.7 |
| 31.8 |
| 0.0 |

OF REPORT)