

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: P943430

Luminaire Tested: **GALN-SB7D-930-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943430
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-SB7D-930-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50923 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

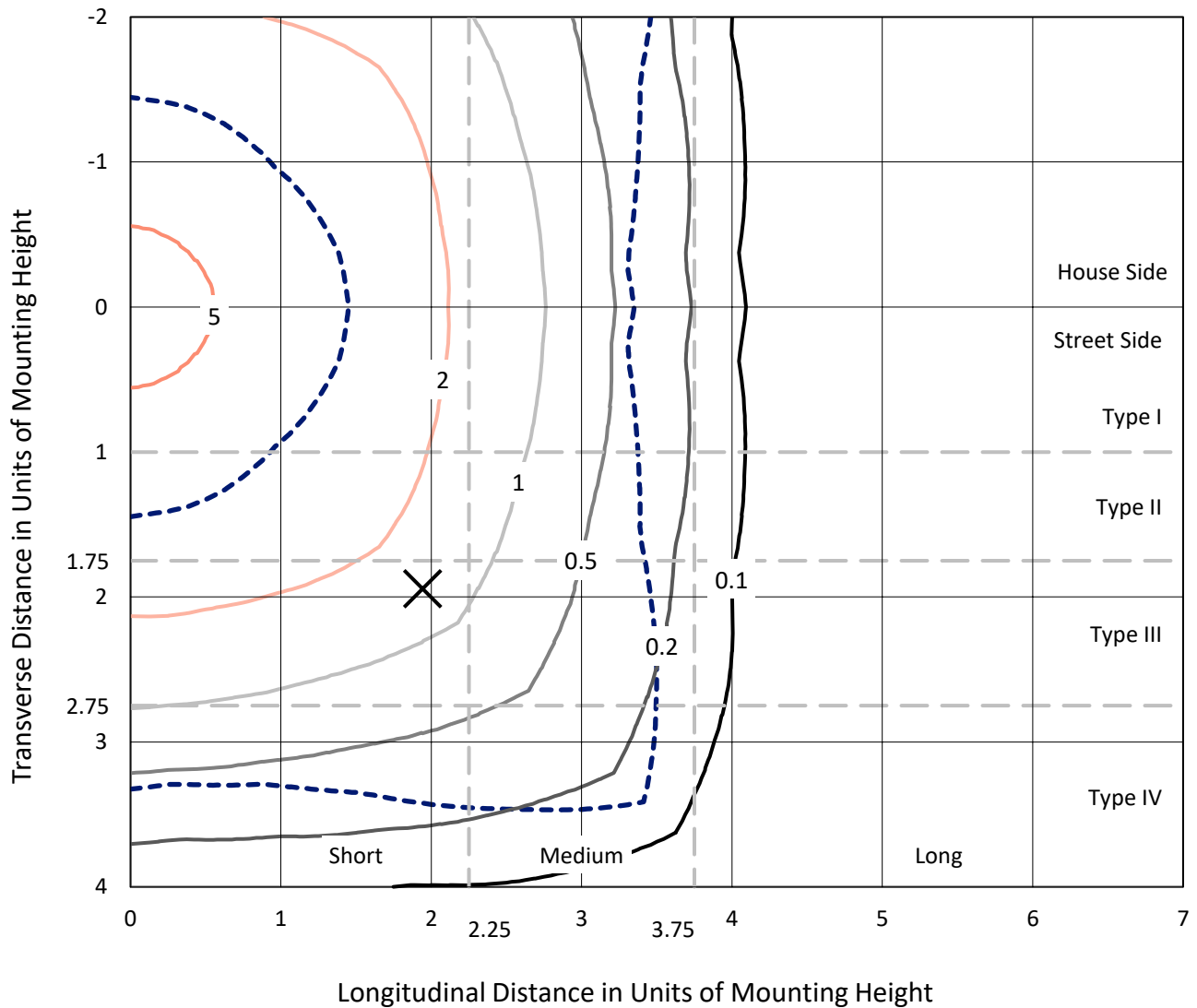
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P943430
 CATALOG NUMBER: GALN-SB7D-930-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

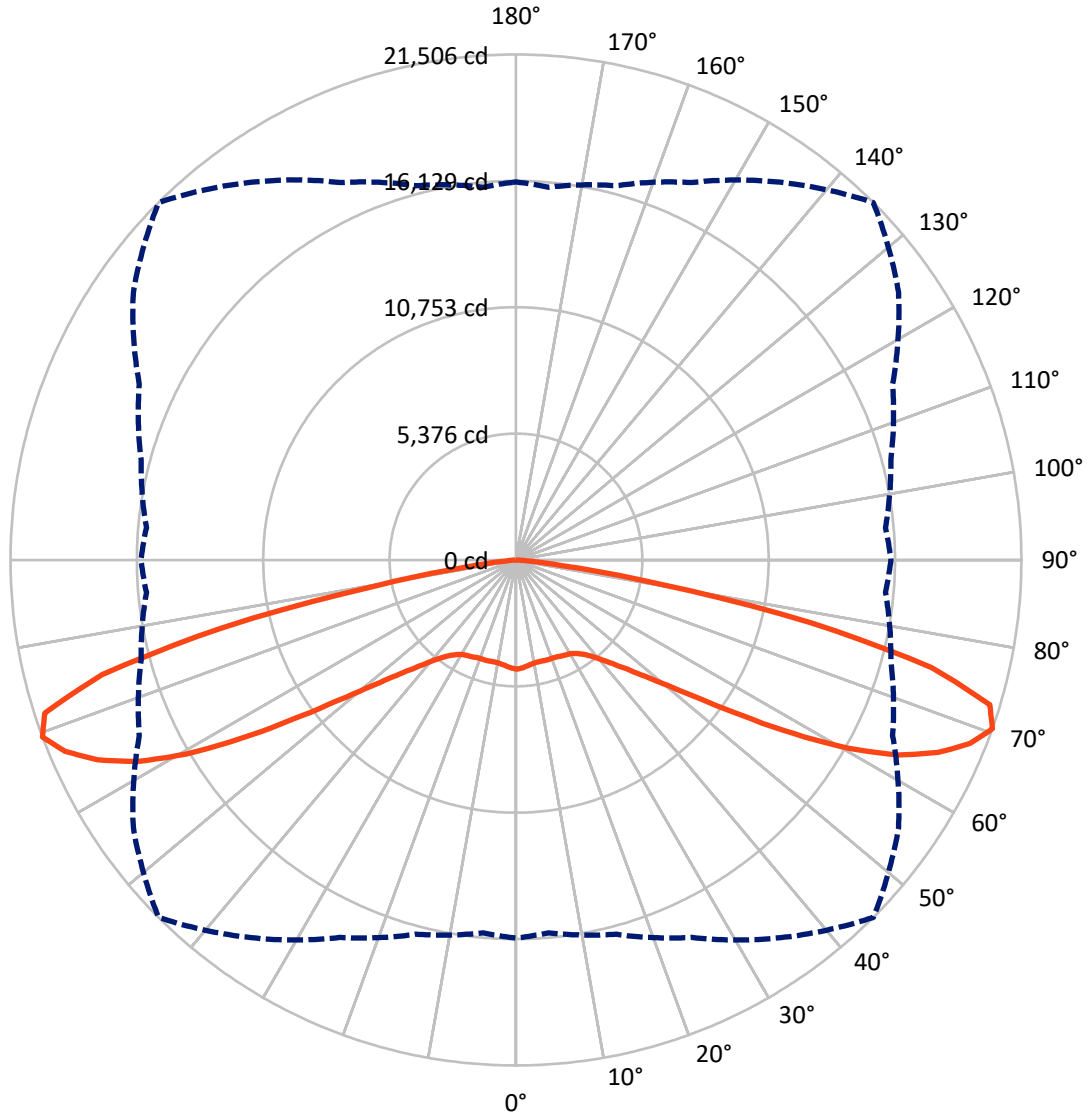
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - N/A

REPORT NUMBER: P943430
CATALOG NUMBER: GALN-SB7D-930-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P943430

CATALOG NUMBER: GALN-SB7D-930-U-5WQ

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 25461.5 | 0.0 | 25461.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 25461.5 | 0.0 | 25461.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 50923.0 | 0.0 | 50923.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 432.1 | 0.8 |
| 10°-20° | 1268.8 | 2.5 |
| 20°-30° | 2111.5 | 4.1 |
| 30°-40° | 3193.2 | 6.3 |
| 40°-50° | 5306.3 | 10.4 |
| 50°-60° | 10012.7 | 19.7 |
| 60°-70° | 16906.9 | 33.2 |
| 70°-80° | 11109.6 | 21.8 |
| 80°-90° | 582.0 | 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° | 50923.0 | 100.0 |
| 0°-180° | 50923.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P943430

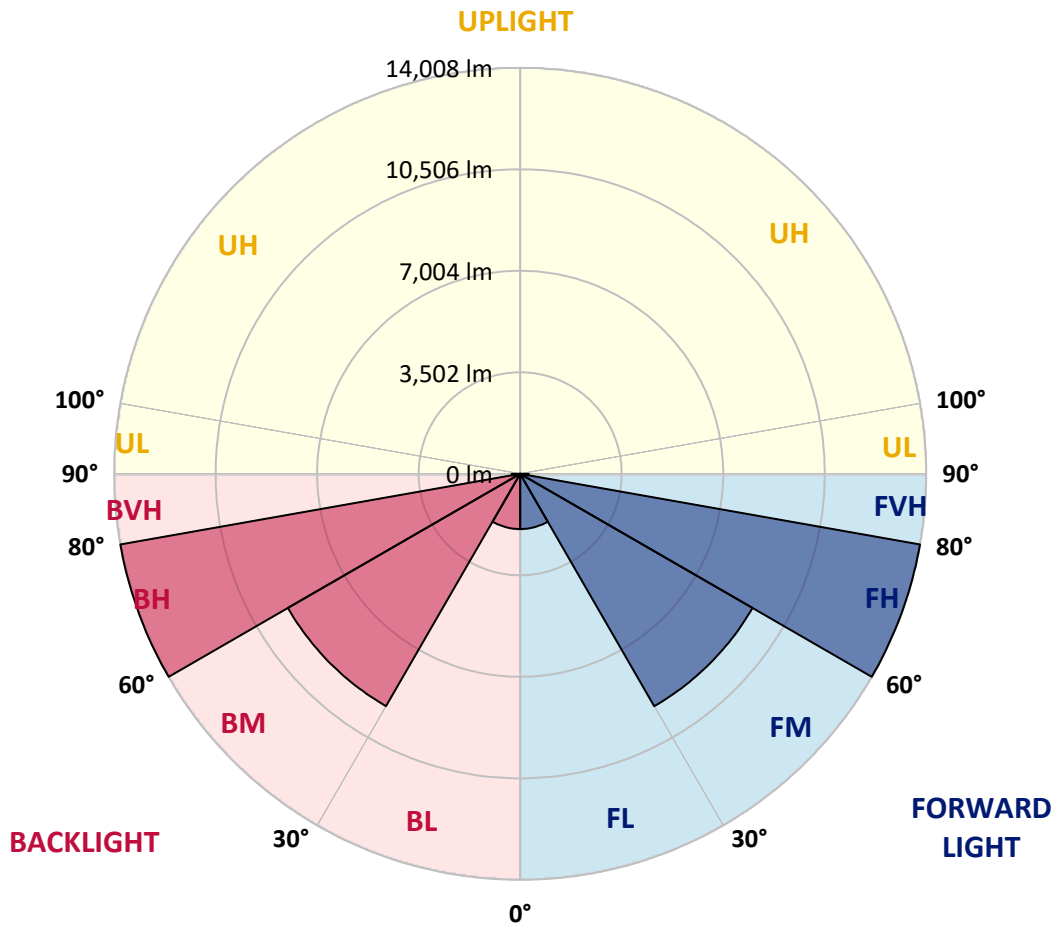
CATALOG NUMBER: GALN-SB7D-930-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 1906.2 | 3.7 | | | |
| FM (30°-60°) | 9256.1 | 18.2 | | | |
| FH (60°-80°) | 14008.2 | 27.5 | | | G5 |
| FVH (80°-90°) | 291.0 | 0.6 | | | G3/500 |
| BL (0°-30°) | 1906.2 | 3.7 | B3/2500 | | |
| BM (30°-60°) | 9256.1 | 18.2 | B5 | | |
| BH (60°-80°) | 14008.2 | 27.5 | B5 | | G5 |
| BVH (80°-90°) | 291.0 | 0.6 | | | G3/500 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G5

Type V Short



REPORT NUMBER: P943430

CATALOG NUMBER: GALN-SB7D-930-U-5WQ

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4645.2 | 4645.2 | 4645.2 | 4645.2 | 4645.2 | 4645.2 | 4645.2 | 4645.2 | 4645.2 | 4645.2 |
| 2.5° | 4616.1 | 4629.3 | 4624.0 | 4613.4 | 4613.4 | 4605.5 | 4613.4 | 4618.7 | 4626.7 | 4632.0 |
| 5° | 4555.2 | 4565.8 | 4563.2 | 4555.2 | 4557.9 | 4549.9 | 4555.2 | 4563.2 | 4568.4 | 4571.1 |
| 7.5° | 4502.3 | 4512.9 | 4507.6 | 4494.3 | 4494.3 | 4486.4 | 4489.0 | 4497.0 | 4504.9 | 4507.6 |
| 10° | 4489.0 | 4499.6 | 4483.7 | 4462.6 | 4454.6 | 4444.0 | 4446.7 | 4454.6 | 4470.5 | 4478.5 |
| 12.5° | 4494.3 | 4502.3 | 4486.4 | 4454.6 | 4446.7 | 4436.1 | 4436.1 | 4444.0 | 4465.2 | 4475.8 |
| 15° | 4510.2 | 4518.2 | 4494.3 | 4459.9 | 4452.0 | 4444.0 | 4441.4 | 4452.0 | 4475.8 | 4494.3 |
| 17.5° | 4539.3 | 4547.3 | 4510.2 | 4462.6 | 4452.0 | 4454.6 | 4452.0 | 4459.9 | 4497.0 | 4531.4 |
| 20° | 4565.8 | 4571.1 | 4520.8 | 4462.6 | 4452.0 | 4454.6 | 4452.0 | 4467.9 | 4515.5 | 4563.2 |
| 22.5° | 4573.7 | 4579.0 | 4531.4 | 4481.1 | 4473.2 | 4475.8 | 4473.2 | 4489.0 | 4534.0 | 4581.7 |
| 25° | 4576.4 | 4584.3 | 4547.3 | 4507.6 | 4520.8 | 4526.1 | 4520.8 | 4523.4 | 4557.9 | 4600.2 |
| 27.5° | 4616.1 | 4626.7 | 4592.3 | 4557.9 | 4565.8 | 4563.2 | 4571.1 | 4579.0 | 4605.5 | 4647.8 |
| 30° | 4698.1 | 4706.1 | 4677.0 | 4642.6 | 4637.3 | 4618.7 | 4642.6 | 4669.0 | 4698.1 | 4735.2 |
| 32.5° | 4833.1 | 4849.0 | 4812.0 | 4774.9 | 4751.1 | 4740.5 | 4759.0 | 4804.0 | 4843.7 | 4883.4 |
| 35° | 5058.1 | 5068.7 | 5034.3 | 4965.5 | 4923.1 | 4923.1 | 4939.0 | 4997.2 | 5060.8 | 5111.0 |
| 37.5° | 5375.7 | 5389.0 | 5328.1 | 5246.0 | 5182.5 | 5182.5 | 5203.7 | 5264.6 | 5359.8 | 5431.3 |
| 40° | 5762.2 | 5780.7 | 5703.9 | 5619.2 | 5558.4 | 5547.8 | 5574.2 | 5643.1 | 5733.1 | 5823.0 |
| 42.5° | 6228.0 | 6249.2 | 6148.6 | 6074.5 | 6026.9 | 6026.9 | 6040.1 | 6103.6 | 6185.7 | 6296.8 |
| 45° | 6823.6 | 6860.6 | 6723.0 | 6648.9 | 6603.9 | 6614.5 | 6622.4 | 6678.0 | 6752.1 | 6879.1 |
| 47.5° | 7532.9 | 7570.0 | 7424.4 | 7347.6 | 7339.7 | 7390.0 | 7358.2 | 7397.9 | 7437.6 | 7583.2 |
| 50° | 8337.5 | 8401.1 | 8300.5 | 8295.2 | 8311.1 | 8403.7 | 8329.6 | 8350.8 | 8305.8 | 8398.4 |
| 52.5° | 9322.2 | 9414.8 | 9396.3 | 9428.0 | 9605.4 | 9796.0 | 9626.6 | 9552.4 | 9383.0 | 9412.2 |
| 55° | 10515.9 | 10656.2 | 10682.6 | 10873.2 | 11275.5 | 11664.6 | 11304.7 | 11005.6 | 10645.6 | 10579.4 |
| 57.5° | 11873.7 | 11984.9 | 12111.9 | 12501.0 | 13252.7 | 13943.5 | 13252.7 | 12591.0 | 12024.6 | 11889.6 |
| 60° | 13334.8 | 13472.4 | 13594.2 | 14168.5 | 15285.5 | 16256.9 | 15264.3 | 14213.5 | 13464.5 | 13281.8 |
| 62.5° | 14904.4 | 15081.7 | 15166.4 | 15804.3 | 17106.5 | 18265.8 | 17125.0 | 15851.9 | 15020.8 | 14824.9 |
| 65° | 16410.4 | 16556.0 | 16651.3 | 17331.5 | 18575.5 | 19737.5 | 18660.2 | 17405.6 | 16550.7 | 16293.9 |
| 67.5° | 17111.8 | 17191.2 | 17424.1 | 18194.4 | 19507.2 | 20833.3 | 19729.5 | 18276.4 | 17320.9 | 16871.0 |
| 70° | 16084.8 | 15923.4 | 16484.5 | 17717.9 | 19618.4 | 21505.6 | 19872.5 | 17680.9 | 16511.0 | 15780.5 |
| 72.5° | 12429.6 | 12151.6 | 13125.7 | 15235.2 | 18347.9 | 21076.8 | 18474.9 | 15354.3 | 13731.8 | 12249.6 |
| 75° | 6762.7 | 6447.7 | 7792.3 | 10460.3 | 14631.7 | 18268.5 | 14967.9 | 10759.4 | 8676.3 | 6712.4 |
| 77.5° | 1908.4 | 1789.3 | 2874.5 | 5060.8 | 8800.7 | 12826.6 | 9139.5 | 5171.9 | 3409.1 | 2022.2 |
| 80° | 585.0 | 566.4 | 767.6 | 1524.6 | 3737.3 | 6143.3 | 3591.8 | 1543.1 | 976.7 | 616.7 |
| 82.5° | 346.7 | 317.6 | 381.1 | 555.8 | 952.9 | 1929.5 | 926.4 | 579.7 | 465.8 | 312.3 |
| 85° | 198.5 | 185.3 | 225.0 | 270.0 | 320.3 | 410.3 | 267.3 | 275.3 | 248.8 | 166.8 |
| 87.5° | 82.1 | 74.1 | 87.3 | 84.7 | 74.1 | 95.3 | 71.5 | 84.7 | 100.6 | 66.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

90°
4645.2
4629.3
4571.1
4507.6
4478.5
4478.5
4497.0
4531.4
4565.8
4581.7
4597.6
4637.3
4727.3
4867.5
5092.5
5404.8
5793.9
6288.9
6873.8
7540.8
8342.8
9314.2
10476.2
11794.3
13123.0
14666.1
16166.9
16876.2
15955.1
12617.5
7149.1
2247.2
651.1
338.8
174.7
60.9
0.0

OF REPORT)