

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: STREETWORKS

Report Number: P528906

Luminaire Tested: **GLAN-SA4A-735-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528906
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4A-735-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14766 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

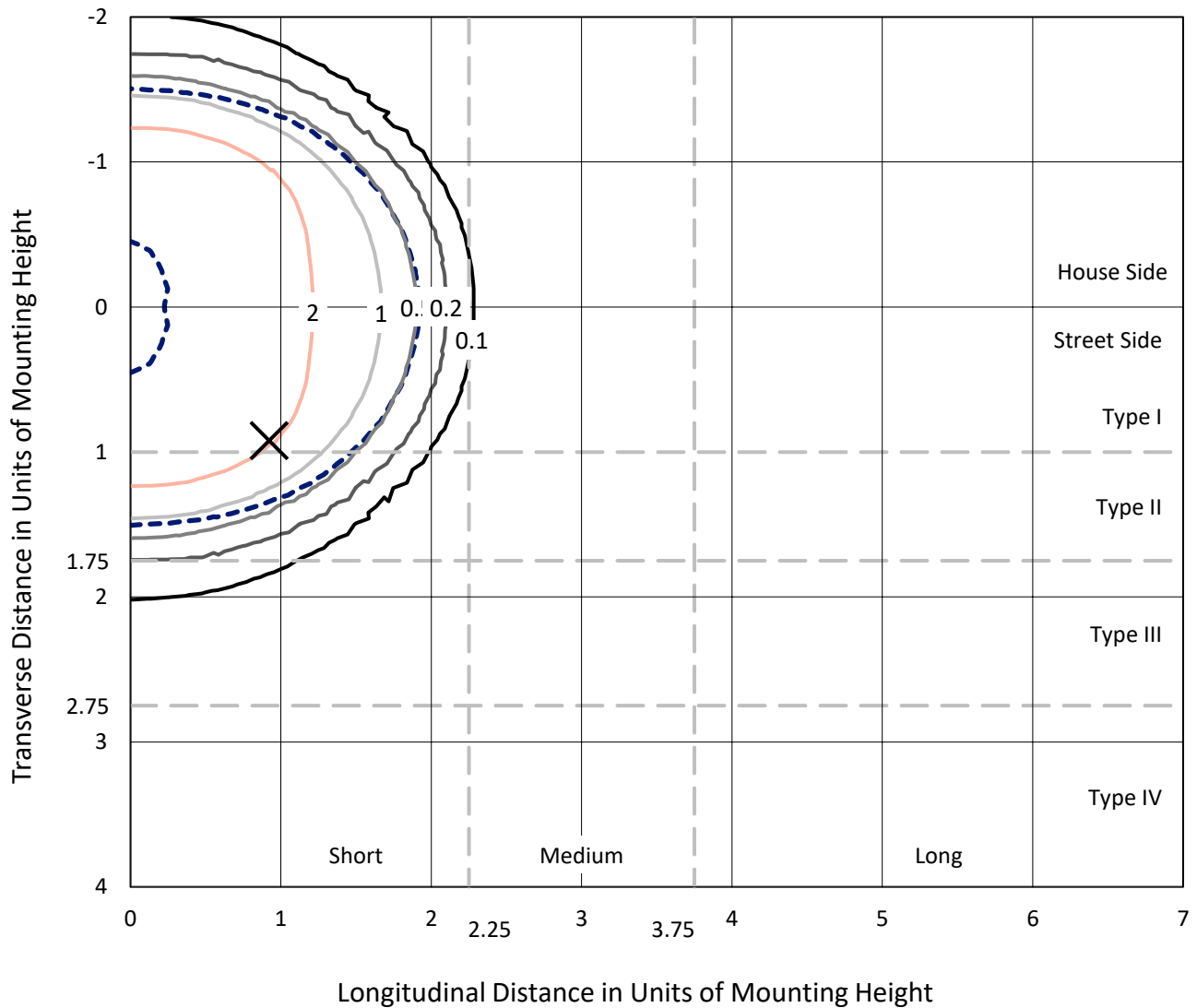
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

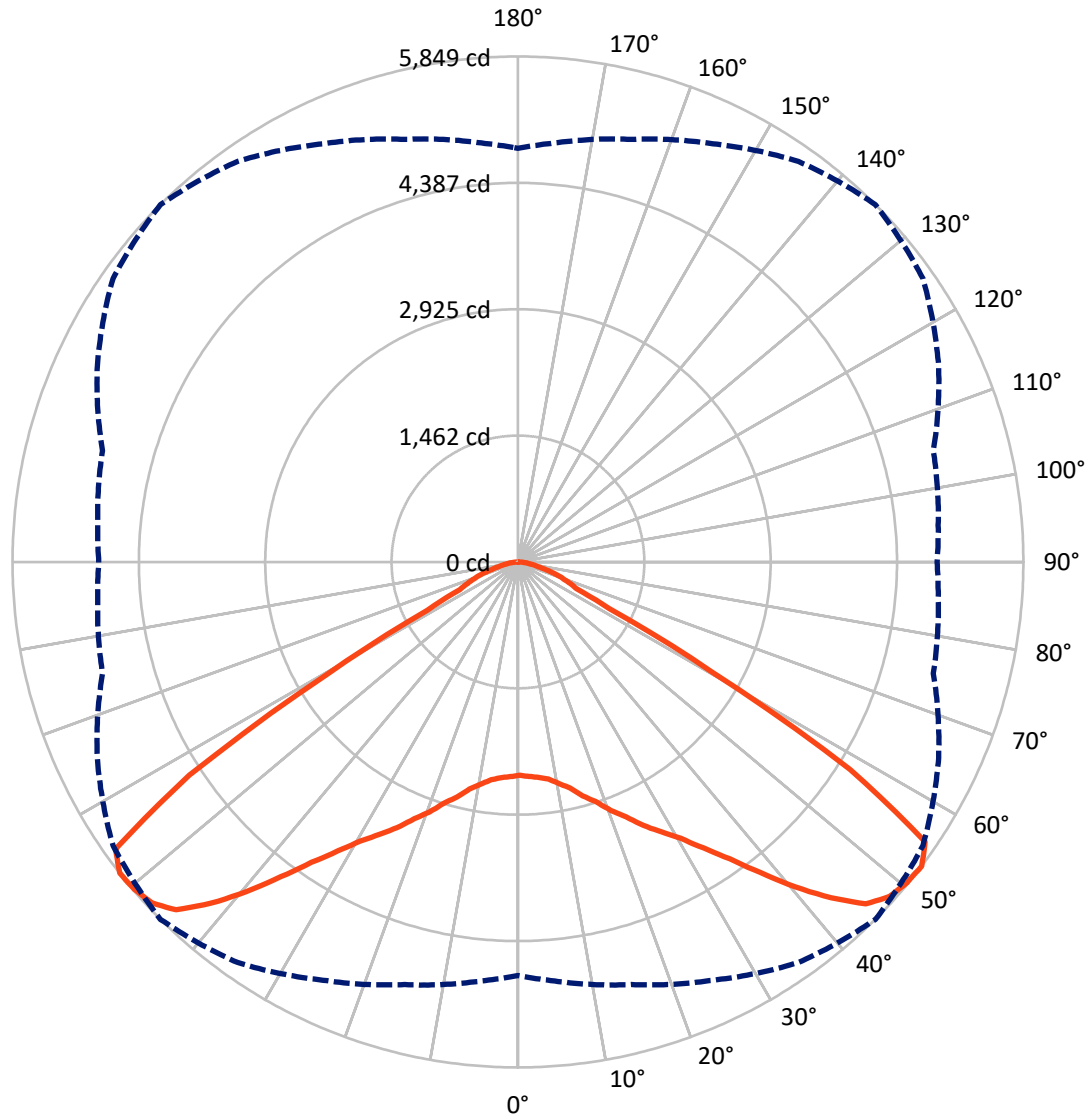
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 7383.0 | 0.0 | 7383.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 7383.0 | 0.0 | 7383.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 14766.0 | 0.0 | 14766.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 242.5 | 1.6 |
| 10°-20° | 796.9 | 5.4 |
| 20°-30° | 1517.1 | 10.3 |
| 30°-40° | 2605.0 | 17.6 |
| 40°-50° | 4003.9 | 27.1 |
| 50°-60° | 4065.9 | 27.5 |
| 60°-70° | 1133.1 | 7.7 |
| 70°-80° | 334.3 | 2.3 |
| 80°-90° | 67.3 | 0.5 |
| 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° | 14766.0 | 100.0 |
| 0°-180° | 14766.0 | 100.0 |

Coefficient of Utilization



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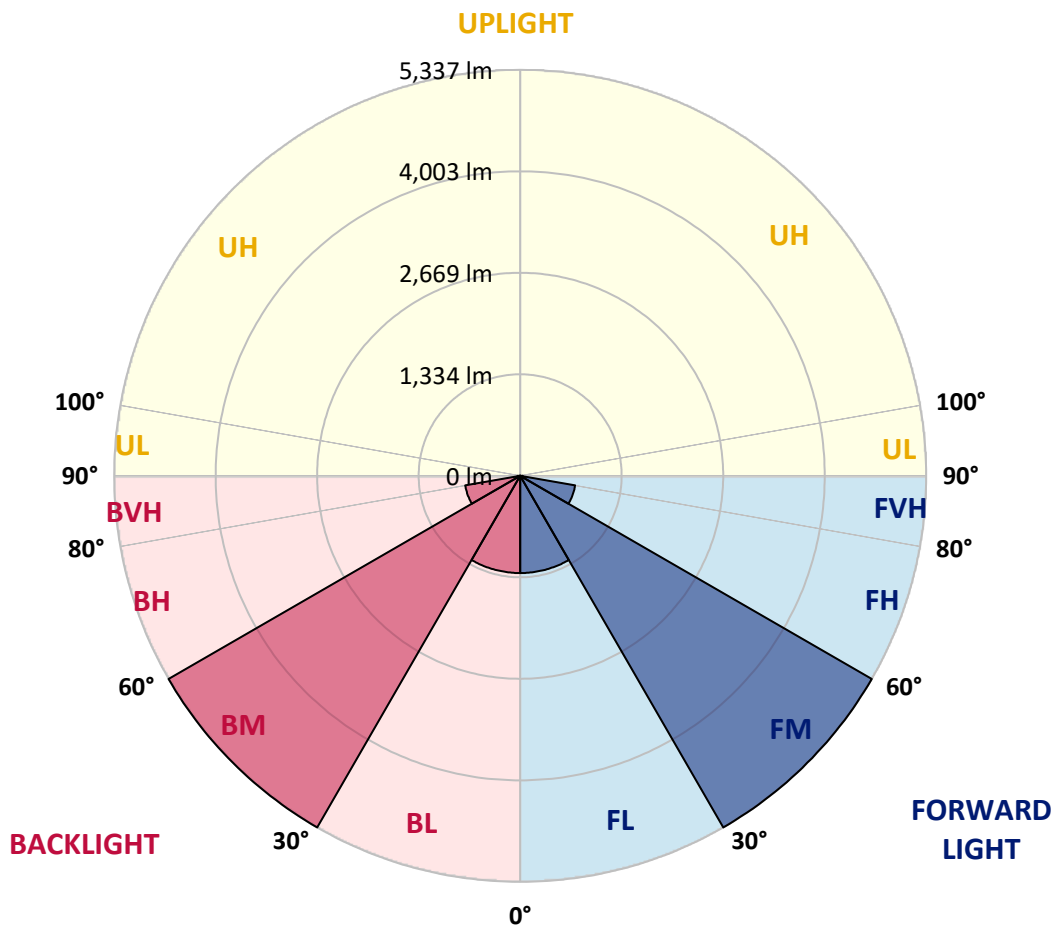
CATALOG NUMBER: GLAN-SA4A-735-U-RW-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1278.2 | 8.7 | | | |
| FM (30°-60°) | 5337.4 | 36.1 | | | |
| FH (60°-80°) | 733.7 | 5.0 | | | G1/1800 |
| FVH (80°-90°) | 33.7 | 0.2 | | | G1/100 |
| BL (0°-30°) | 1278.2 | 8.7 | B3/2500 | | |
| BM (30°-60°) | 5337.4 | 36.1 | B4/8500 | | |
| BH (60°-80°) | 733.7 | 5.0 | B2/1000 | | G1/1800 |
| BVH (80°-90°) | 33.7 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2468.3 | 2468.3 | 2468.3 | 2468.3 | 2468.3 | 2468.3 | 2468.3 | 2468.3 | 2468.3 | 2468.3 | 2468.3 |
| 2.5° | 2473.8 | 2448.2 | 2457.3 | 2462.8 | 2486.7 | 2484.8 | 2479.3 | 2486.7 | 2494.0 | 2495.8 | 2492.2 |
| 5° | 2472.0 | 2453.7 | 2461.0 | 2466.5 | 2490.3 | 2503.1 | 2499.5 | 2530.6 | 2552.6 | 2547.1 | 2574.6 |
| 7.5° | 2457.3 | 2468.3 | 2459.2 | 2486.7 | 2506.8 | 2538.0 | 2570.9 | 2600.3 | 2627.8 | 2658.9 | 2664.4 |
| 10° | 2490.3 | 2490.3 | 2506.8 | 2528.8 | 2581.9 | 2605.8 | 2653.4 | 2695.6 | 2748.7 | 2785.3 | 2770.7 |
| 12.5° | 2525.1 | 2530.6 | 2530.6 | 2587.4 | 2631.4 | 2684.6 | 2728.5 | 2785.3 | 2860.5 | 2904.5 | 2926.4 |
| 15° | 2560.0 | 2563.6 | 2581.9 | 2658.9 | 2724.9 | 2809.2 | 2849.5 | 2900.8 | 2942.9 | 3025.4 | 3027.2 |
| 17.5° | 2591.1 | 2611.3 | 2666.2 | 2752.4 | 2834.8 | 2915.5 | 2979.6 | 3032.7 | 3069.4 | 3102.4 | 3095.0 |
| 20° | 2708.4 | 2723.0 | 2779.9 | 2866.0 | 2988.8 | 3067.5 | 3089.5 | 3098.7 | 3122.5 | 3188.5 | 3168.3 |
| 22.5° | 2822.0 | 2827.5 | 2880.6 | 3012.6 | 3098.7 | 3203.2 | 3227.0 | 3221.5 | 3230.6 | 3247.1 | 3276.4 |
| 25° | 2939.3 | 2948.4 | 3021.7 | 3133.5 | 3254.5 | 3379.1 | 3399.2 | 3357.1 | 3344.3 | 3362.6 | 3364.4 |
| 27.5° | 3089.5 | 3091.4 | 3184.8 | 3281.9 | 3419.4 | 3536.7 | 3567.8 | 3534.8 | 3474.4 | 3489.0 | 3512.8 |
| 30° | 3280.1 | 3267.3 | 3360.7 | 3500.0 | 3644.8 | 3710.7 | 3763.9 | 3747.4 | 3681.4 | 3668.6 | 3648.4 |
| 32.5° | 3500.0 | 3503.7 | 3588.0 | 3740.1 | 3835.4 | 3945.3 | 4002.1 | 3974.6 | 3932.5 | 3910.5 | 3923.3 |
| 35° | 3809.7 | 3826.2 | 3883.0 | 4009.4 | 4163.4 | 4218.3 | 4308.1 | 4249.5 | 4139.5 | 4167.0 | 4190.8 |
| 37.5° | 4064.4 | 4112.1 | 4218.3 | 4368.6 | 4460.2 | 4561.0 | 4594.0 | 4515.2 | 4434.6 | 4401.6 | 4480.4 |
| 40° | 4454.7 | 4440.1 | 4557.3 | 4707.6 | 4843.2 | 4944.0 | 4901.8 | 4823.1 | 4623.3 | 4625.1 | 4647.1 |
| 42.5° | 4790.1 | 4797.4 | 4887.2 | 5066.8 | 5251.8 | 5314.2 | 5180.4 | 4988.0 | 4766.2 | 4742.4 | 4790.1 |
| 45° | 5072.3 | 5101.6 | 5152.9 | 5392.9 | 5574.4 | 5642.2 | 5394.8 | 5167.6 | 4870.7 | 4771.7 | 4850.5 |
| 47.5° | 5173.1 | 5220.7 | 5332.5 | 5552.4 | 5732.0 | 5786.9 | 5589.0 | 5262.8 | 4967.8 | 4806.6 | 4848.7 |
| 50° | 5187.7 | 5171.2 | 5354.5 | 5556.0 | 5713.6 | 5832.7 | 5658.7 | 5332.5 | 4944.0 | 4859.7 | 4846.9 |
| 52.5° | 4786.4 | 4867.0 | 5063.1 | 5339.8 | 5658.7 | 5849.2 | 5721.0 | 5371.0 | 4977.0 | 4881.7 | 4850.5 |
| 55° | 3873.8 | 3778.5 | 4135.9 | 4601.3 | 5187.7 | 5717.3 | 5699.0 | 5391.1 | 4997.1 | 4918.3 | 4876.2 |
| 57.5° | 2162.3 | 2189.8 | 2391.4 | 2897.1 | 3653.9 | 4533.5 | 5066.8 | 5178.5 | 4988.0 | 4942.2 | 4964.1 |
| 60° | 1000.5 | 1009.7 | 1095.8 | 1332.2 | 1801.3 | 2570.9 | 3272.8 | 3985.6 | 4313.6 | 4379.6 | 4379.6 |
| 62.5° | 745.8 | 742.1 | 764.1 | 806.3 | 905.2 | 1181.9 | 1577.8 | 2144.0 | 2594.8 | 2910.0 | 2992.4 |
| 65° | 674.3 | 672.5 | 683.5 | 698.2 | 705.5 | 744.0 | 831.9 | 1006.0 | 1152.6 | 1236.9 | 1222.3 |
| 67.5° | 590.1 | 588.2 | 591.9 | 601.0 | 613.9 | 634.0 | 656.0 | 692.7 | 744.0 | 740.3 | 731.2 |
| 70° | 476.4 | 476.4 | 481.9 | 489.3 | 503.9 | 527.8 | 553.4 | 579.1 | 623.0 | 632.2 | 630.4 |
| 72.5° | 351.8 | 346.3 | 357.3 | 372.0 | 386.7 | 416.0 | 443.5 | 467.3 | 498.4 | 507.6 | 503.9 |
| 75° | 223.6 | 227.2 | 234.6 | 251.0 | 276.7 | 296.9 | 326.2 | 346.3 | 366.5 | 373.8 | 375.7 |
| 77.5° | 124.6 | 128.3 | 141.1 | 161.3 | 186.9 | 208.9 | 234.6 | 251.0 | 263.9 | 265.7 | 267.5 |
| 80° | 75.1 | 77.0 | 89.8 | 108.1 | 130.1 | 153.9 | 174.1 | 190.6 | 201.6 | 196.1 | 194.2 |
| 82.5° | 45.8 | 47.6 | 58.6 | 75.1 | 93.5 | 111.8 | 133.8 | 148.4 | 159.4 | 152.1 | 144.8 |
| 85° | 23.8 | 25.7 | 34.8 | 45.8 | 60.5 | 69.6 | 69.6 | 62.3 | 60.5 | 56.8 | 55.0 |
| 87.5° | 7.3 | 7.3 | 9.2 | 11.0 | 9.2 | 11.0 | 12.8 | 14.7 | 14.7 | 16.5 | 14.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)