

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: P530067

Luminaire Tested: **GLAN-SA5B-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530067
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5B-735-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15931 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

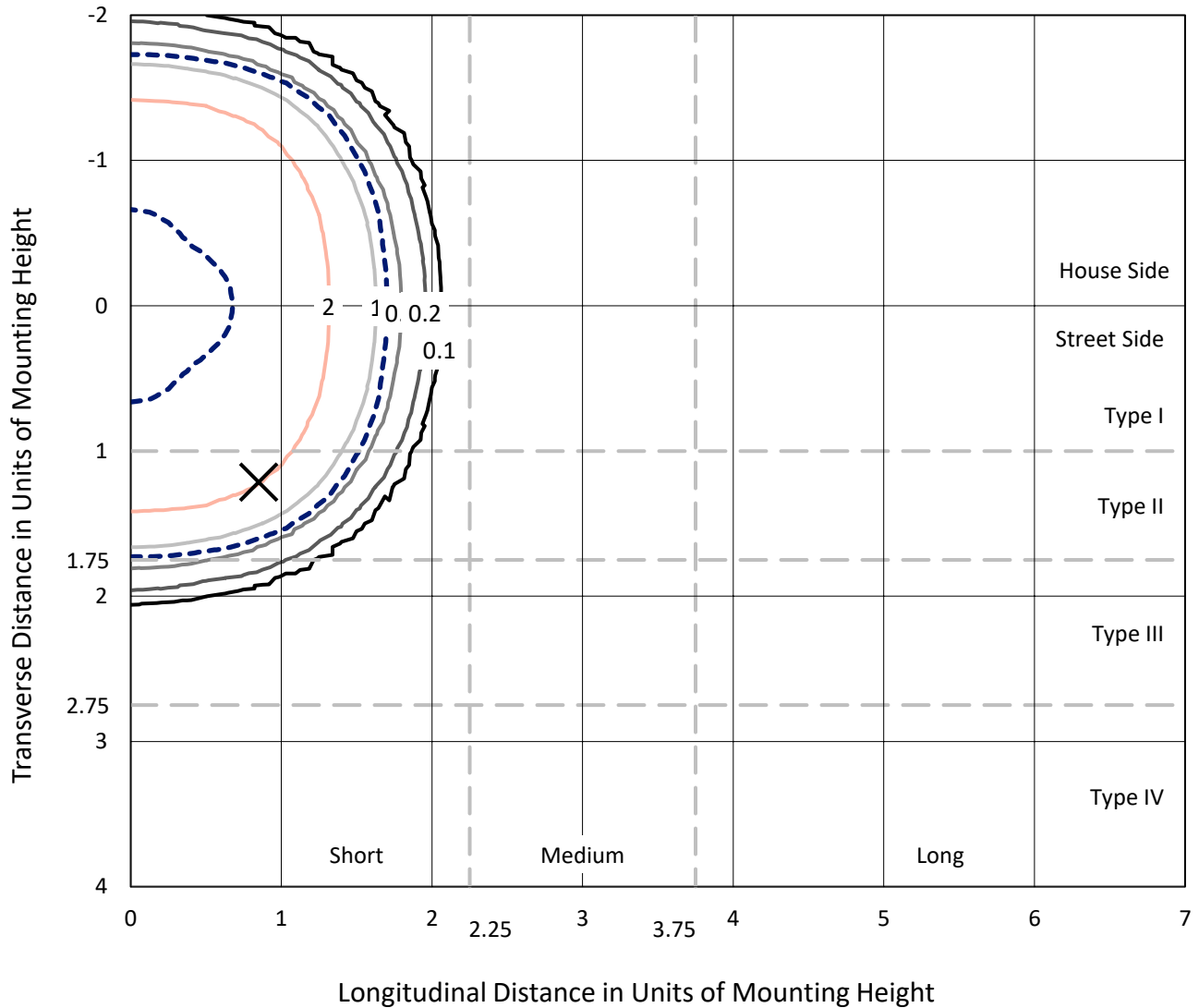
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

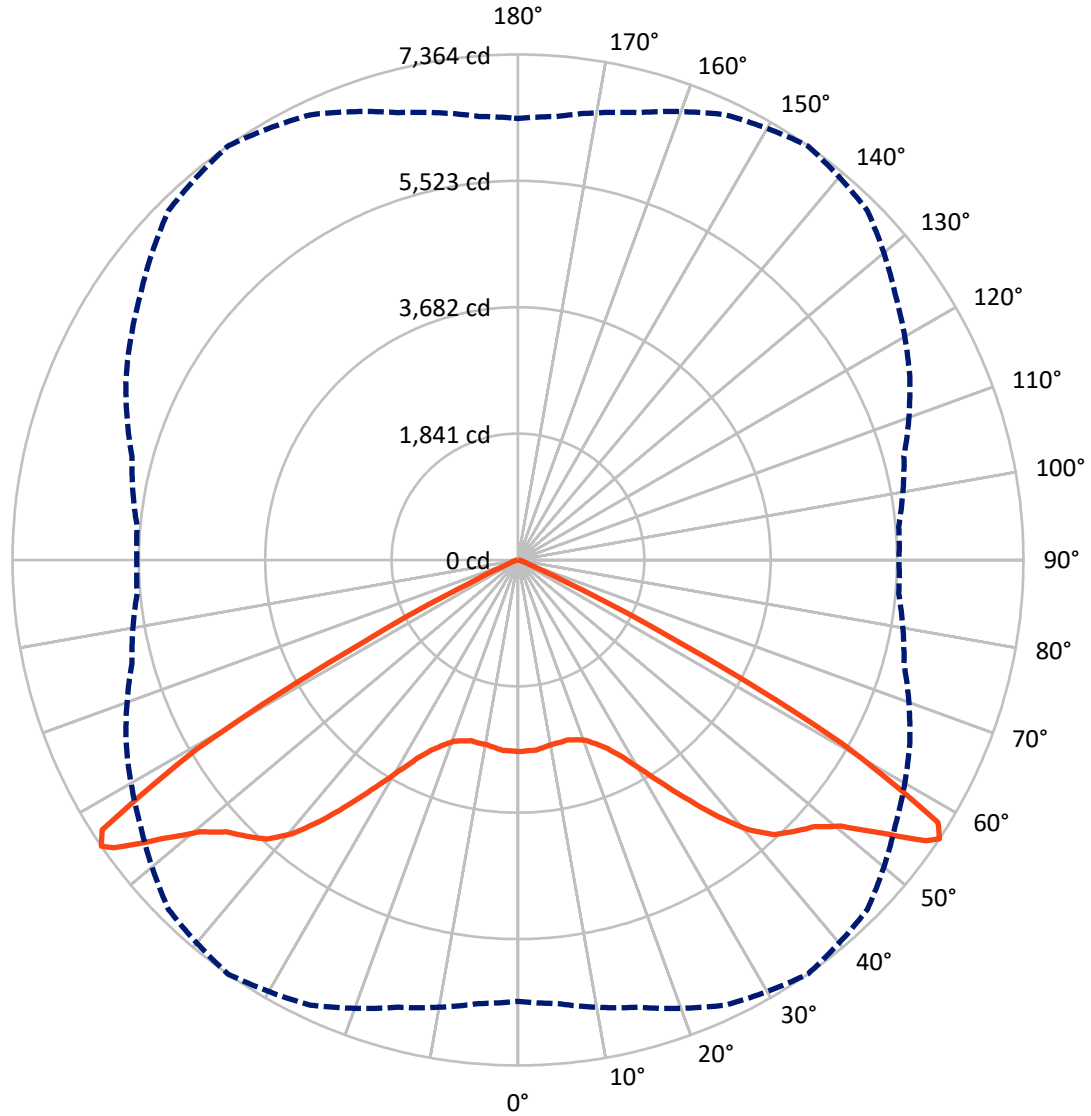
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 7965.5 | 0.0 | 7965.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 7965.5 | 0.0 | 7965.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 15931.0 | 0.0 | 15931.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 262.4 | 1.6 |
| 10°-20° | 765.9 | 4.8 |
| 20°-30° | 1387.0 | 8.7 |
| 30°-40° | 2572.0 | 16.1 |
| 40°-50° | 4221.8 | 26.5 |
| 50°-60° | 5439.0 | 34.1 |
| 60°-70° | 1198.7 | 7.5 |
| 70°-80° | 69.5 | 0.4 |
| 80°-90° | 14.6 | 0.1 |
| 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° | 15931.0 | 100.0 |
| 0°-180° | 15931.0 | 100.0 |

Coefficient of Utilization

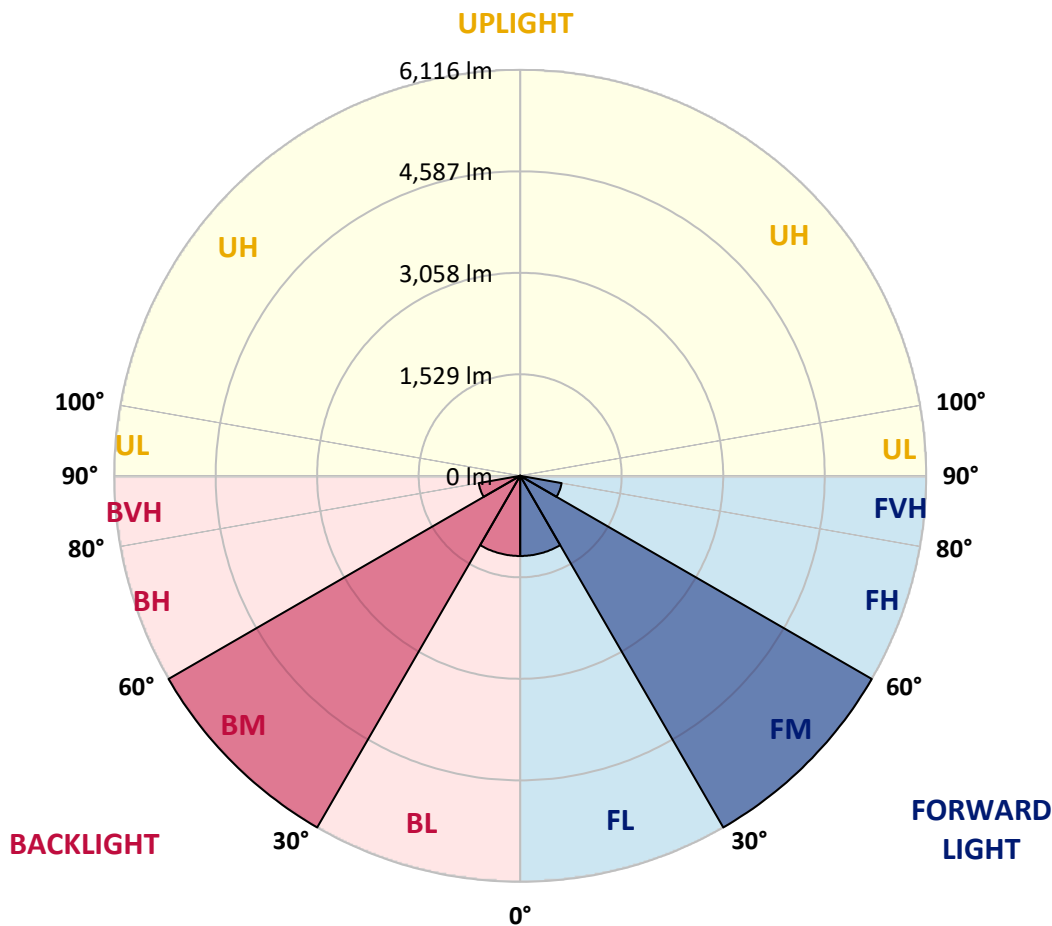


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 1207.7 | 7.6 | | | |
| FM (30°-60°) | 6116.4 | 38.4 | | | |
| FH (60°-80°) | 634.1 | 4.0 | | | G0/660 |
| FVH (80°-90°) | 7.3 | 0.0 | | | G0/10 |
| BL (0°-30°) | 1207.7 | 7.6 | B3/2500 | | |
| BM (30°-60°) | 6116.4 | 38.4 | B4/8500 | | |
| BH (60°-80°) | 634.1 | 4.0 | B2/1000 | | G0/660 |
| BVH (80°-90°) | 7.3 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2791.5 | 2791.5 | 2791.5 | 2791.5 | 2791.5 | 2791.5 | 2791.5 | 2791.5 | 2791.5 | 2791.5 | 2791.5 |
| 2.5° | 2797.2 | 2797.2 | 2800.1 | 2803.0 | 2782.8 | 2774.1 | 2777.0 | 2771.2 | 2768.4 | 2777.0 | 2777.0 |
| 5° | 2788.6 | 2788.6 | 2779.9 | 2782.8 | 2782.8 | 2756.8 | 2756.8 | 2762.6 | 2762.6 | 2745.3 | 2739.5 |
| 7.5° | 2765.5 | 2759.7 | 2748.2 | 2762.6 | 2753.9 | 2753.9 | 2733.7 | 2719.3 | 2713.5 | 2725.1 | 2713.5 |
| 10° | 2716.4 | 2719.3 | 2730.8 | 2736.6 | 2730.8 | 2748.2 | 2713.5 | 2693.3 | 2673.1 | 2664.4 | 2664.4 |
| 12.5° | 2693.3 | 2710.6 | 2693.3 | 2707.7 | 2727.9 | 2713.5 | 2693.3 | 2678.9 | 2650.0 | 2638.5 | 2638.5 |
| 15° | 2690.4 | 2702.0 | 2707.7 | 2727.9 | 2719.3 | 2725.1 | 2684.6 | 2667.3 | 2624.0 | 2603.8 | 2595.2 |
| 17.5° | 2687.5 | 2702.0 | 2710.6 | 2748.2 | 2753.9 | 2756.8 | 2725.1 | 2673.1 | 2635.6 | 2615.4 | 2595.2 |
| 20° | 2719.3 | 2725.1 | 2742.4 | 2779.9 | 2803.0 | 2843.4 | 2785.7 | 2730.8 | 2650.0 | 2626.9 | 2618.3 |
| 22.5° | 2759.7 | 2788.6 | 2805.9 | 2846.3 | 2906.9 | 2941.6 | 2866.5 | 2797.2 | 2713.5 | 2684.6 | 2650.0 |
| 25° | 2889.6 | 2883.8 | 2912.7 | 2996.4 | 3045.5 | 3071.5 | 3010.8 | 2909.8 | 2800.1 | 2765.5 | 2771.2 |
| 27.5° | 3051.3 | 3057.0 | 3083.0 | 3175.4 | 3247.6 | 3288.0 | 3215.8 | 3083.0 | 2976.2 | 2918.5 | 2912.7 |
| 30° | 3262.0 | 3256.2 | 3285.1 | 3409.2 | 3539.1 | 3599.7 | 3472.7 | 3316.8 | 3212.9 | 3137.9 | 3155.2 |
| 32.5° | 3484.3 | 3487.2 | 3568.0 | 3680.6 | 3891.3 | 4009.6 | 3804.7 | 3614.2 | 3458.3 | 3406.3 | 3380.3 |
| 35° | 3813.4 | 3827.8 | 3891.3 | 4064.5 | 4298.3 | 4451.3 | 4226.2 | 3998.1 | 3819.1 | 3723.9 | 3735.4 |
| 37.5° | 4220.4 | 4205.9 | 4312.8 | 4500.4 | 4745.8 | 4858.3 | 4667.8 | 4408.0 | 4226.2 | 4162.6 | 4203.1 |
| 40° | 4653.4 | 4667.8 | 4722.7 | 4893.0 | 5167.2 | 5242.3 | 4959.4 | 4817.9 | 4659.2 | 4627.4 | 4676.5 |
| 42.5° | 5086.4 | 5077.7 | 5118.1 | 5271.1 | 5470.3 | 5418.4 | 5250.9 | 5167.2 | 5054.6 | 4991.1 | 5057.5 |
| 45° | 5403.9 | 5389.5 | 5464.6 | 5568.5 | 5640.6 | 5542.5 | 5467.4 | 5438.6 | 5380.8 | 5311.6 | 5372.2 |
| 47.5° | 5712.8 | 5701.3 | 5773.4 | 5802.3 | 5808.1 | 5678.2 | 5692.6 | 5744.6 | 5600.2 | 5455.9 | 5525.2 |
| 50° | 5975.5 | 5955.3 | 6044.8 | 6108.3 | 6093.9 | 5886.0 | 5938.0 | 5886.0 | 5660.8 | 5490.5 | 5464.6 |
| 52.5° | 6414.3 | 6422.9 | 6518.2 | 6633.7 | 6599.0 | 6425.8 | 6350.8 | 6114.1 | 5825.4 | 5672.4 | 5582.9 |
| 55° | 6691.4 | 6648.1 | 6812.6 | 7179.3 | 7219.7 | 7040.7 | 6708.7 | 6359.4 | 5926.4 | 5738.8 | 5715.7 |
| 56° | 6431.6 | 6486.4 | 6746.3 | 7156.2 | 7364.0 | 7199.5 | 6717.4 | 6298.8 | 5822.5 | 5568.5 | 5551.2 |
| 57.5° | 5770.5 | 5741.7 | 6093.9 | 6653.9 | 7219.7 | 7150.4 | 6480.7 | 5865.8 | 5311.6 | 5025.8 | 4991.1 |
| 60° | 3591.1 | 3674.8 | 3983.7 | 4676.5 | 5432.8 | 5467.4 | 4803.5 | 4275.2 | 3628.6 | 3374.6 | 3435.2 |
| 62.5° | 1405.8 | 1333.7 | 1527.1 | 2043.8 | 2563.4 | 2678.9 | 2427.7 | 2017.8 | 1657.0 | 1405.8 | 1388.5 |
| 65° | 326.2 | 317.5 | 358.0 | 493.6 | 689.9 | 799.6 | 759.2 | 545.6 | 401.3 | 381.0 | 352.2 |
| 67.5° | 184.7 | 184.7 | 176.1 | 176.1 | 193.4 | 205.0 | 196.3 | 193.4 | 202.1 | 210.7 | 207.8 |
| 70° | 129.9 | 127.0 | 121.2 | 124.1 | 118.4 | 118.4 | 127.0 | 141.4 | 153.0 | 153.0 | 155.9 |
| 72.5° | 77.9 | 77.9 | 77.9 | 86.6 | 86.6 | 86.6 | 95.3 | 106.8 | 109.7 | 106.8 | 103.9 |
| 75° | 34.6 | 34.6 | 40.4 | 49.1 | 54.8 | 57.7 | 66.4 | 72.2 | 77.9 | 72.2 | 66.4 |
| 77.5° | 8.7 | 8.7 | 14.4 | 20.2 | 26.0 | 31.8 | 43.3 | 52.0 | 54.8 | 52.0 | 43.3 |
| 80° | 2.9 | 2.9 | 5.8 | 14.4 | 26.0 | 31.8 | 43.3 | 46.2 | 49.1 | 43.3 | 34.6 |
| 82.5° | 2.9 | 2.9 | 5.8 | 14.4 | 20.2 | 26.0 | 34.6 | 40.4 | 43.3 | 37.5 | 34.6 |
| 85° | 0.0 | 2.9 | 5.8 | 11.5 | 17.3 | 23.1 | 23.1 | 17.3 | 14.4 | 8.7 | 11.5 |
| 87.5° | 0.0 | 0.0 | 2.9 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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)