

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: P529885

Luminaire Tested: **GLAN-SA5A-750-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529885
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-SA5A-750-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5000K, 615mA 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: 13745 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

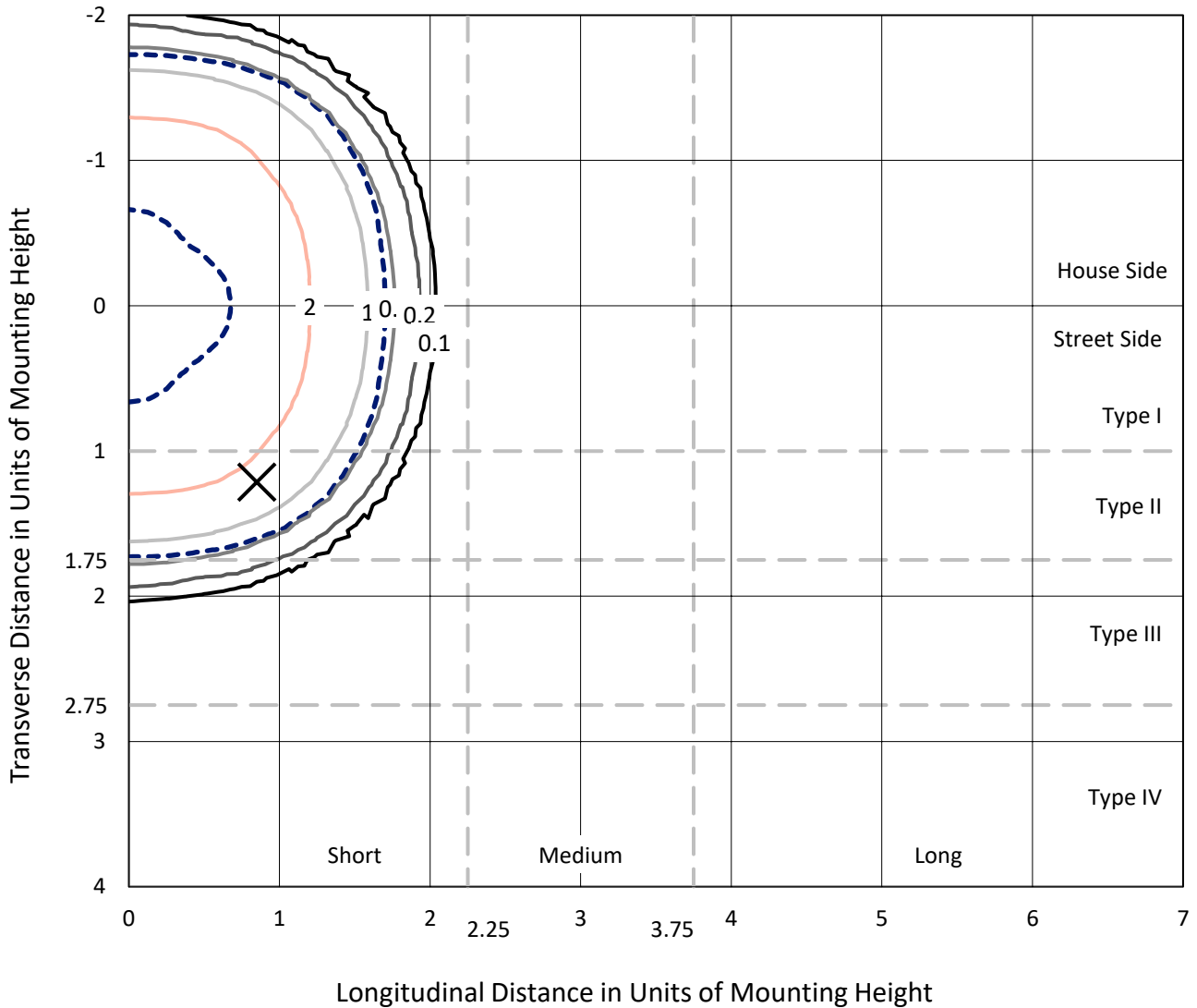
Input Watts (W): 154
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

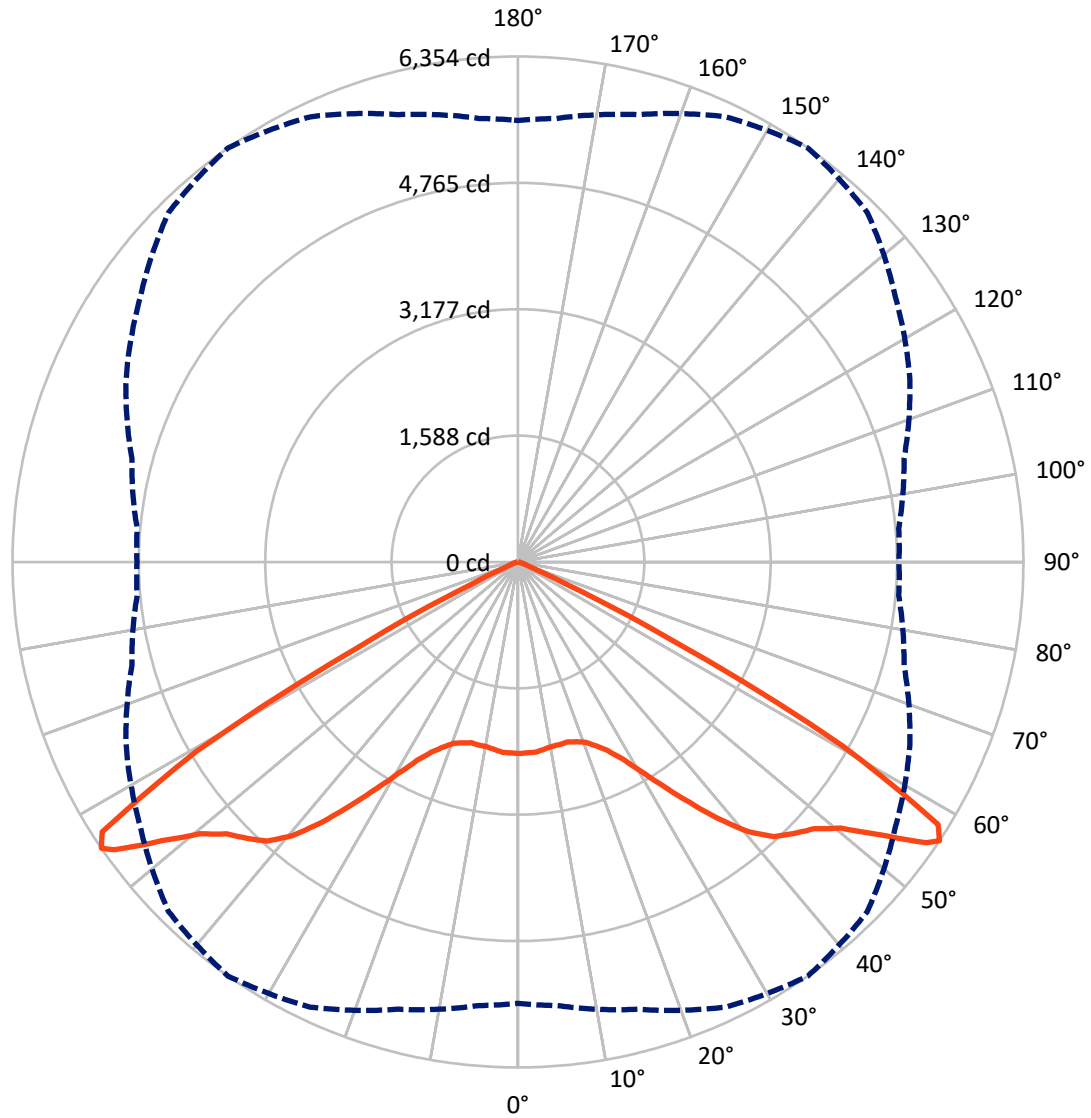
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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 | 6872.5 | 0.0 | 6872.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 6872.5 | 0.0 | 6872.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 13745.0 | 0.0 | 13745.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 226.4 | 1.6 |
| 10°-20° | 660.8 | 4.8 |
| 20°-30° | 1196.7 | 8.7 |
| 30°-40° | 2219.1 | 16.1 |
| 40°-50° | 3642.5 | 26.5 |
| 50°-60° | 4692.6 | 34.1 |
| 60°-70° | 1034.2 | 7.5 |
| 70°-80° | 60.0 | 0.4 |
| 80°-90° | 12.6 | 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° | 13745.0 | 100.0 |
| 0°-180° | 13745.0 | 100.0 |

Coefficient of Utilization



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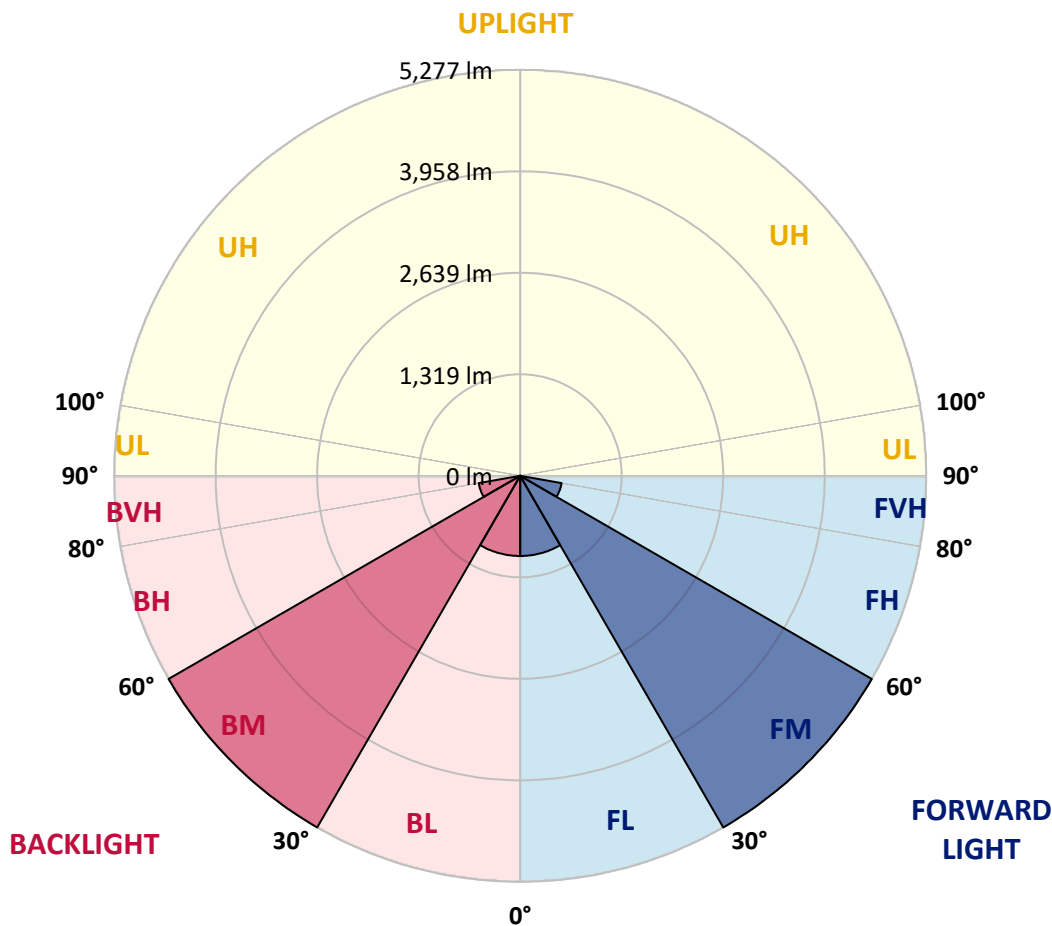
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 1041.9 | 7.6 | | | |
| FM (30°-60°) | 5277.1 | 38.4 | | | |
| FH (60°-80°) | 547.1 | 4.0 | | | G0/660 |
| FVH (80°-90°) | 6.3 | 0.0 | | | G0/10 |
| BL (0°-30°) | 1041.9 | 7.6 | B3/2500 | | |
| BM (30°-60°) | 5277.1 | 38.4 | B4/8500 | | |
| BH (60°-80°) | 547.1 | 4.0 | B2/1000 | | G0/660 |
| BVH (80°-90°) | 6.3 | 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° | 2408.4 | 2408.4 | 2408.4 | 2408.4 | 2408.4 | 2408.4 | 2408.4 | 2408.4 | 2408.4 | 2408.4 | 2408.4 |
| 2.5° | 2413.4 | 2413.4 | 2415.9 | 2418.4 | 2400.9 | 2393.5 | 2396.0 | 2391.0 | 2388.5 | 2396.0 | 2396.0 |
| 5° | 2405.9 | 2405.9 | 2398.5 | 2400.9 | 2400.9 | 2378.5 | 2378.5 | 2383.5 | 2383.5 | 2368.6 | 2363.6 |
| 7.5° | 2386.0 | 2381.0 | 2371.1 | 2383.5 | 2376.0 | 2376.0 | 2358.6 | 2346.2 | 2341.2 | 2351.1 | 2341.2 |
| 10° | 2343.7 | 2346.2 | 2356.1 | 2361.1 | 2356.1 | 2371.1 | 2341.2 | 2323.7 | 2306.3 | 2298.8 | 2298.8 |
| 12.5° | 2323.7 | 2338.7 | 2323.7 | 2336.2 | 2353.6 | 2341.2 | 2323.7 | 2311.3 | 2286.4 | 2276.4 | 2276.4 |
| 15° | 2321.2 | 2331.2 | 2336.2 | 2353.6 | 2346.2 | 2351.1 | 2316.3 | 2301.3 | 2264.0 | 2246.5 | 2239.1 |
| 17.5° | 2318.8 | 2331.2 | 2338.7 | 2371.1 | 2376.0 | 2378.5 | 2351.1 | 2306.3 | 2273.9 | 2256.5 | 2239.1 |
| 20° | 2346.2 | 2351.1 | 2366.1 | 2398.5 | 2418.4 | 2453.3 | 2403.4 | 2356.1 | 2286.4 | 2266.5 | 2259.0 |
| 22.5° | 2381.0 | 2405.9 | 2420.9 | 2455.7 | 2508.0 | 2537.9 | 2473.2 | 2413.4 | 2341.2 | 2316.3 | 2286.4 |
| 25° | 2493.1 | 2488.1 | 2513.0 | 2585.3 | 2627.6 | 2650.0 | 2597.7 | 2510.5 | 2415.9 | 2386.0 | 2391.0 |
| 27.5° | 2632.6 | 2637.6 | 2660.0 | 2739.7 | 2801.9 | 2836.8 | 2774.5 | 2660.0 | 2567.8 | 2518.0 | 2513.0 |
| 30° | 2814.4 | 2809.4 | 2834.3 | 2941.4 | 3053.5 | 3105.8 | 2996.2 | 2861.7 | 2772.0 | 2707.3 | 2722.2 |
| 32.5° | 3006.2 | 3008.7 | 3078.4 | 3175.5 | 3357.3 | 3459.5 | 3282.6 | 3118.2 | 2983.8 | 2938.9 | 2916.5 |
| 35° | 3290.1 | 3302.5 | 3357.3 | 3506.8 | 3708.5 | 3840.5 | 3646.3 | 3449.5 | 3295.1 | 3212.9 | 3222.8 |
| 37.5° | 3641.3 | 3628.8 | 3721.0 | 3882.9 | 4094.6 | 4191.7 | 4027.3 | 3803.2 | 3646.3 | 3591.5 | 3626.3 |
| 40° | 4014.9 | 4027.3 | 4074.6 | 4221.6 | 4458.2 | 4522.9 | 4278.9 | 4156.8 | 4019.8 | 3992.4 | 4034.8 |
| 42.5° | 4388.5 | 4381.0 | 4415.9 | 4547.9 | 4719.7 | 4674.9 | 4530.4 | 4458.2 | 4361.1 | 4306.3 | 4363.5 |
| 45° | 4662.4 | 4650.0 | 4714.7 | 4804.4 | 4866.7 | 4782.0 | 4717.2 | 4692.3 | 4642.5 | 4582.7 | 4635.0 |
| 47.5° | 4928.9 | 4919.0 | 4981.2 | 5006.1 | 5011.1 | 4899.0 | 4911.5 | 4956.3 | 4831.8 | 4707.3 | 4767.0 |
| 50° | 5155.6 | 5138.1 | 5215.3 | 5270.1 | 5257.7 | 5078.4 | 5123.2 | 5078.4 | 4884.1 | 4737.1 | 4714.7 |
| 52.5° | 5534.1 | 5541.6 | 5623.8 | 5723.4 | 5693.5 | 5544.1 | 5479.3 | 5275.1 | 5026.1 | 4894.0 | 4816.8 |
| 55° | 5773.2 | 5735.9 | 5877.8 | 6194.1 | 6229.0 | 6074.6 | 5788.2 | 5486.8 | 5113.2 | 4951.3 | 4931.4 |
| 56° | 5549.1 | 5596.4 | 5820.6 | 6174.2 | 6353.5 | 6211.6 | 5795.6 | 5434.5 | 5023.6 | 4804.4 | 4789.4 |
| 57.5° | 4978.7 | 4953.8 | 5257.7 | 5740.9 | 6229.0 | 6169.2 | 5591.4 | 5060.9 | 4582.7 | 4336.2 | 4306.3 |
| 60° | 3098.3 | 3170.5 | 3437.0 | 4034.8 | 4687.3 | 4717.2 | 4144.4 | 3688.6 | 3130.7 | 2911.5 | 2963.8 |
| 62.5° | 1212.9 | 1150.7 | 1317.5 | 1763.4 | 2211.7 | 2311.3 | 2094.6 | 1740.9 | 1429.6 | 1212.9 | 1198.0 |
| 65° | 281.4 | 274.0 | 308.8 | 425.9 | 595.3 | 689.9 | 655.0 | 470.7 | 346.2 | 328.8 | 303.9 |
| 67.5° | 159.4 | 159.4 | 151.9 | 151.9 | 166.9 | 176.8 | 169.4 | 166.9 | 174.3 | 181.8 | 179.3 |
| 70° | 112.1 | 109.6 | 104.6 | 107.1 | 102.1 | 102.1 | 109.6 | 122.0 | 132.0 | 132.0 | 134.5 |
| 72.5° | 67.2 | 67.2 | 67.2 | 74.7 | 74.7 | 74.7 | 82.2 | 92.2 | 94.6 | 92.2 | 89.7 |
| 75° | 29.9 | 29.9 | 34.9 | 42.3 | 47.3 | 49.8 | 57.3 | 62.3 | 67.2 | 62.3 | 57.3 |
| 77.5° | 7.5 | 7.5 | 12.5 | 17.4 | 22.4 | 27.4 | 37.4 | 44.8 | 47.3 | 44.8 | 37.4 |
| 80° | 2.5 | 2.5 | 5.0 | 12.5 | 22.4 | 27.4 | 37.4 | 39.8 | 42.3 | 37.4 | 29.9 |
| 82.5° | 2.5 | 2.5 | 5.0 | 12.5 | 17.4 | 22.4 | 29.9 | 34.9 | 37.4 | 32.4 | 29.9 |
| 85° | 0.0 | 2.5 | 5.0 | 10.0 | 14.9 | 19.9 | 19.9 | 14.9 | 12.5 | 7.5 | 10.0 |
| 87.5° | 0.0 | 0.0 | 2.5 | 2.5 | 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)