

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: P530305

Luminaire Tested: **GLAN-SA5C-735-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5C-735-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17108 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

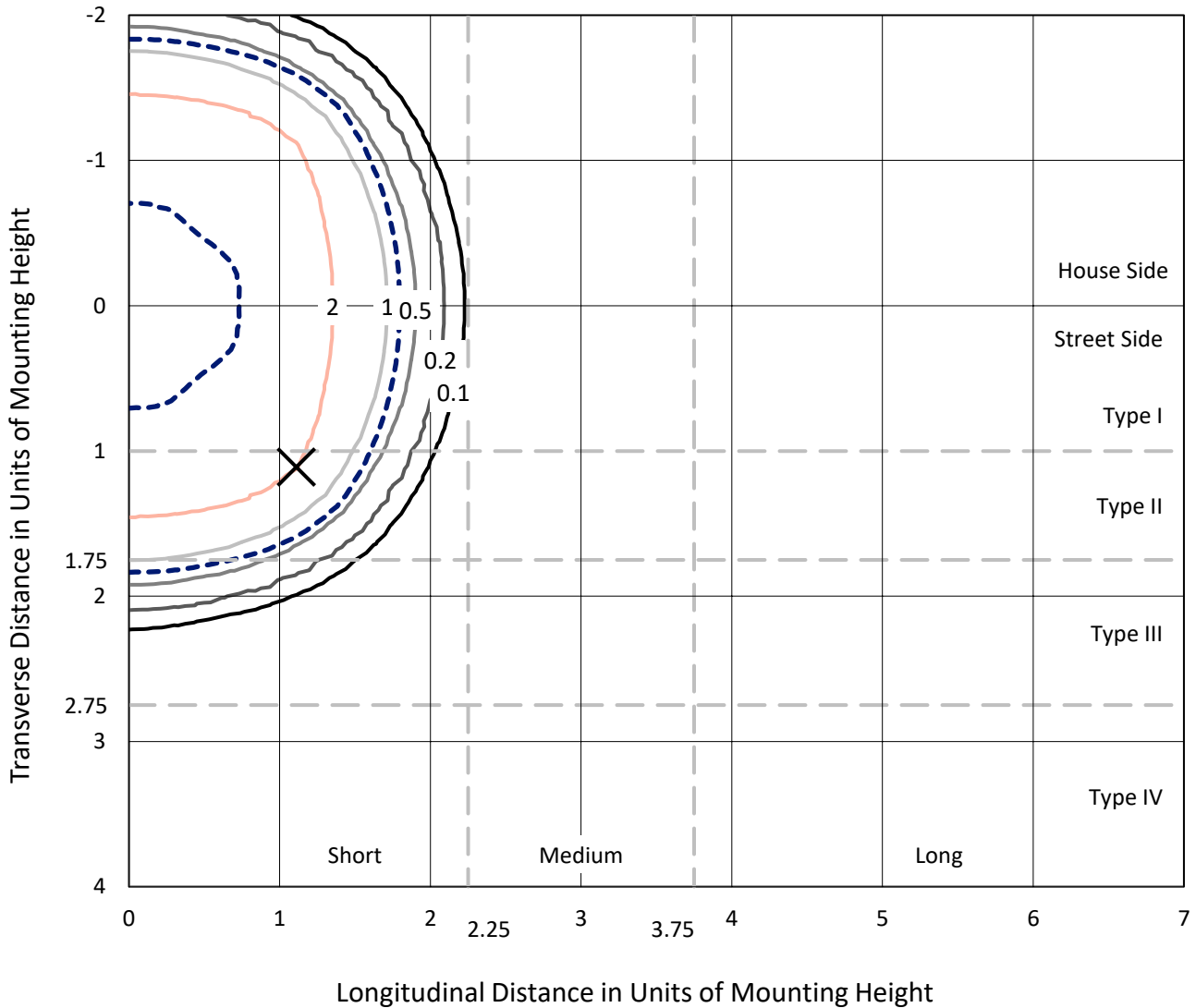
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P530305
 CATALOG NUMBER: GLAN-SA5C-735-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

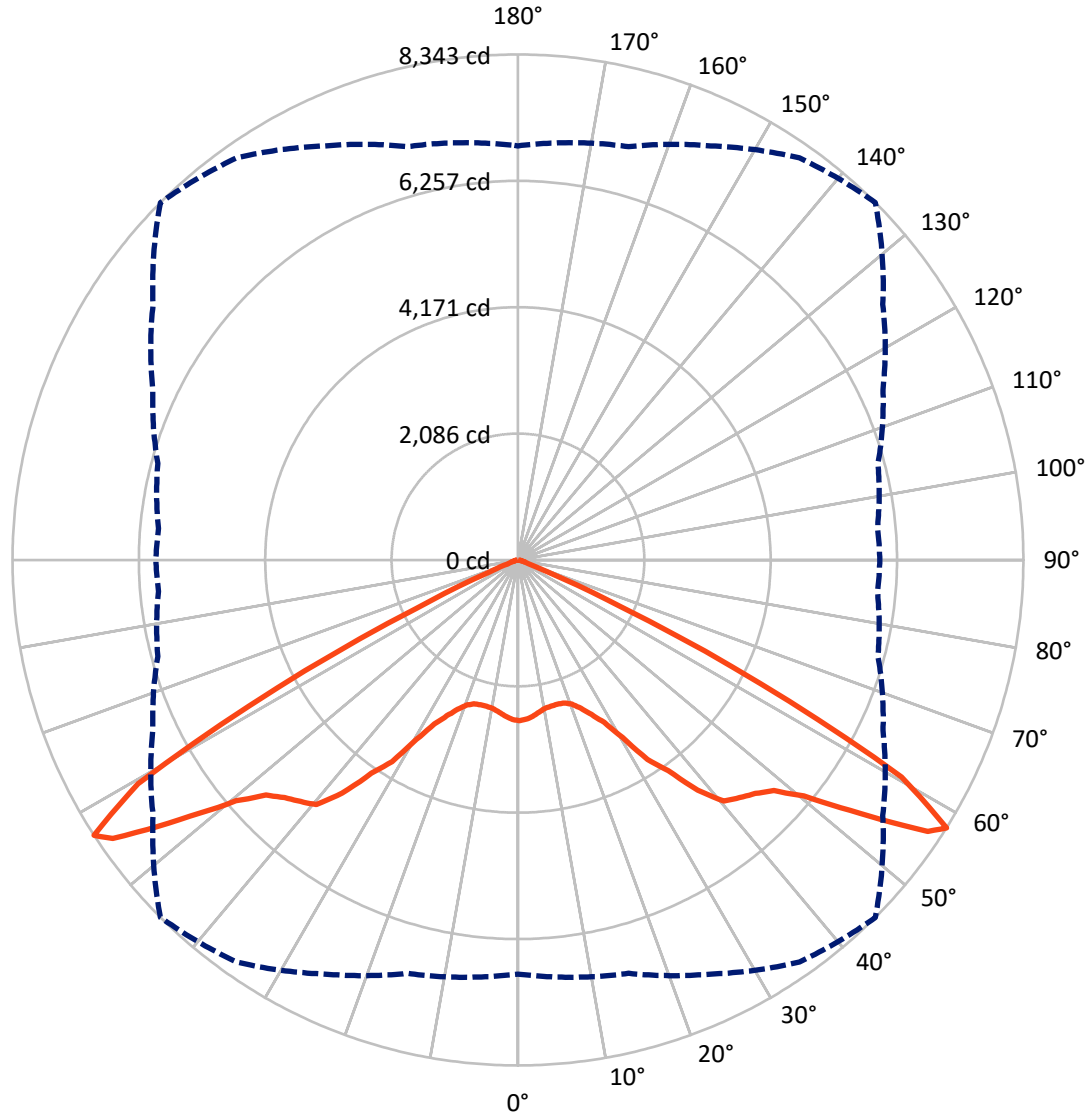
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

REPORT NUMBER: P530305
CATALOG NUMBER: GLAN-SA5C-735-U-5WQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P530305
 CATALOG NUMBER: GLAN-SA5C-735-U-5WQ-GRSBK

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 8554.0 | 0.0 | 8554.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 8554.0 | 0.0 | 8554.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 17108.0 | 0.0 | 17108.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 243.9 | 1.4 |
| 10°-20° | 704.9 | 4.1 |
| 20°-30° | 1301.1 | 7.6 |
| 30°-40° | 2558.7 | 15.0 |
| 40°-50° | 4167.4 | 24.4 |
| 50°-60° | 5943.3 | 34.7 |
| 60°-70° | 2057.7 | 12.0 |
| 70°-80° | 110.4 | 0.6 |
| 80°-90° | 20.7 | 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° | 17108.0 | 100.0 |
| 0°-180° | 17108.0 | 100.0 |

Coefficient of Utilization

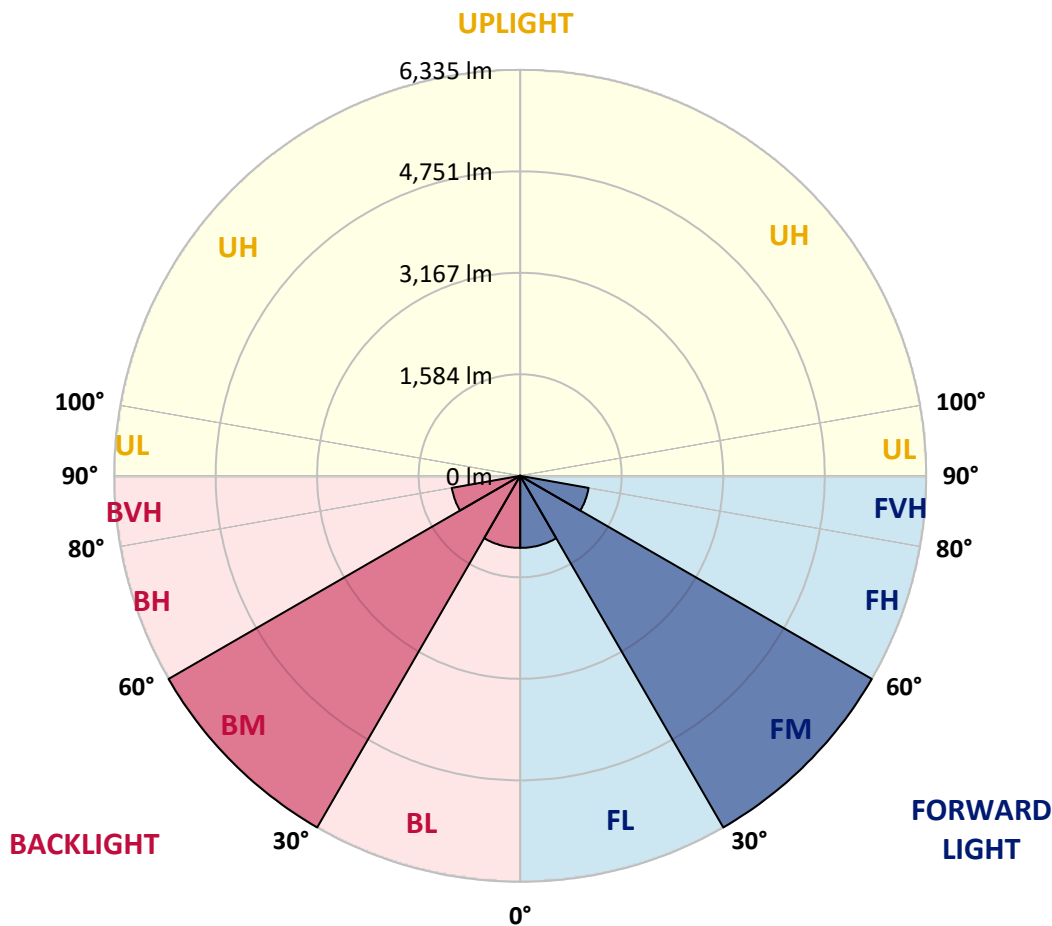


REPORT NUMBER: P530305
 CATALOG NUMBER: GLAN-SA5C-735-U-5WQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1124.9 | 6.6 | | | |
| FM (30°-60°) | 6334.7 | 37.0 | | | |
| FH (60°-80°) | 1084.1 | 6.3 | | | G1/1800 |
| FVH (80°-90°) | 10.4 | 0.1 | | | G1/100 |
| BL (0°-30°) | 1124.9 | 6.6 | B3/2500 | | |
| BM (30°-60°) | 6334.7 | 37.0 | B4/8500 | | |
| BH (60°-80°) | 1084.1 | 6.3 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 10.4 | 0.1 | | | 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





REPORT NUMBER: P530305

CATALOG NUMBER: GLAN-SA5C-735-U-5WQ-GRSBK

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2653.6 | 2653.6 | 2653.6 | 2653.6 | 2653.6 | 2653.6 | 2653.6 | 2653.6 | 2653.6 | 2653.6 | 2653.6 |
| 2.5° | 2646.5 | 2660.8 | 2642.9 | 2635.8 | 2632.2 | 2632.2 | 2621.5 | 2621.5 | 2618.0 | 2621.5 | 2607.3 |
| 5° | 2603.7 | 2618.0 | 2618.0 | 2614.4 | 2593.0 | 2589.4 | 2578.7 | 2571.6 | 2575.2 | 2560.9 | 2571.6 |
| 7.5° | 2560.9 | 2571.6 | 2557.3 | 2553.8 | 2546.6 | 2532.4 | 2528.8 | 2496.7 | 2500.3 | 2500.3 | 2507.4 |
| 10° | 2553.8 | 2550.2 | 2528.8 | 2511.0 | 2489.6 | 2486.0 | 2475.3 | 2468.2 | 2468.2 | 2464.6 | 2475.3 |
| 12.5° | 2553.8 | 2535.9 | 2532.4 | 2493.1 | 2457.5 | 2471.7 | 2443.2 | 2425.4 | 2450.3 | 2457.5 | 2471.7 |
| 15° | 2550.2 | 2568.0 | 2507.4 | 2489.6 | 2464.6 | 2468.2 | 2443.2 | 2425.4 | 2439.6 | 2446.8 | 2457.5 |
| 17.5° | 2571.6 | 2560.9 | 2543.1 | 2507.4 | 2496.7 | 2482.4 | 2450.3 | 2436.1 | 2436.1 | 2453.9 | 2457.5 |
| 20° | 2628.7 | 2600.1 | 2564.5 | 2546.6 | 2557.3 | 2539.5 | 2500.3 | 2446.8 | 2461.0 | 2475.3 | 2486.0 |
| 22.5° | 2682.2 | 2660.8 | 2635.8 | 2625.1 | 2685.7 | 2657.2 | 2589.4 | 2528.8 | 2507.4 | 2532.4 | 2550.2 |
| 25° | 2785.6 | 2785.6 | 2739.2 | 2753.5 | 2821.3 | 2824.8 | 2746.4 | 2639.4 | 2625.1 | 2635.8 | 2642.9 |
| 27.5° | 2996.0 | 3006.7 | 2967.5 | 2981.8 | 3010.3 | 3035.3 | 2967.5 | 2878.3 | 2846.2 | 2842.7 | 2853.4 |
| 30° | 3224.3 | 3245.7 | 3242.1 | 3302.8 | 3384.8 | 3399.1 | 3299.2 | 3153.0 | 3056.7 | 3038.8 | 3053.1 |
| 32.5° | 3523.9 | 3534.6 | 3527.5 | 3598.8 | 3819.9 | 3923.4 | 3663.0 | 3456.1 | 3327.7 | 3359.8 | 3327.7 |
| 35° | 4087.4 | 4076.7 | 3998.3 | 4012.5 | 4194.4 | 4269.3 | 4019.7 | 3887.7 | 3827.1 | 3891.3 | 3877.0 |
| 37.5° | 4572.5 | 4533.3 | 4469.1 | 4561.8 | 4750.9 | 4818.6 | 4558.3 | 4326.4 | 4215.8 | 4322.8 | 4369.2 |
| 40° | 4982.7 | 4882.8 | 4793.7 | 4886.4 | 5139.6 | 5232.4 | 4850.7 | 4661.7 | 4618.9 | 4697.4 | 4797.2 |
| 42.5° | 5328.7 | 5264.5 | 5146.8 | 5153.9 | 5321.5 | 5364.3 | 5057.6 | 4947.0 | 4904.2 | 5029.1 | 5079.0 |
| 45° | 5574.8 | 5514.1 | 5403.6 | 5396.4 | 5524.8 | 5496.3 | 5221.7 | 5146.8 | 5171.7 | 5253.8 | 5278.7 |
| 47.5° | 5699.6 | 5731.7 | 5667.5 | 5685.3 | 5753.1 | 5685.3 | 5467.8 | 5467.8 | 5410.7 | 5460.6 | 5435.7 |
| 50° | 6059.8 | 5960.0 | 6042.0 | 6042.0 | 6113.3 | 6120.5 | 5902.9 | 5824.4 | 5671.1 | 5585.5 | 5585.5 |
| 52.5° | 6480.7 | 6487.8 | 6519.9 | 6637.6 | 6758.9 | 6862.3 | 6552.0 | 6216.8 | 5960.0 | 5849.4 | 5835.1 |
| 55° | 6826.7 | 6898.0 | 7026.4 | 7247.5 | 7597.1 | 7739.8 | 7204.7 | 6605.5 | 6291.7 | 6120.5 | 6084.8 |
| 56° | 7015.7 | 6947.9 | 7169.1 | 7472.3 | 7928.8 | 8114.3 | 7311.7 | 6684.0 | 6338.0 | 6145.4 | 6141.9 |
| 57.5° | 6833.8 | 6908.7 | 7062.1 | 7540.0 | 8100.0 | 8342.5 | 7351.0 | 6648.3 | 6152.6 | 5956.4 | 5974.2 |
| 60° | 5396.4 | 5467.8 | 5674.6 | 6209.6 | 7087.0 | 7276.1 | 6220.3 | 5482.0 | 5039.8 | 4758.0 | 4761.6 |
| 62.5° | 3053.1 | 3106.6 | 3267.1 | 3762.9 | 4308.6 | 4490.5 | 3877.0 | 3384.8 | 3078.1 | 2921.1 | 2871.2 |
| 65° | 1123.5 | 1102.1 | 1127.1 | 1380.3 | 1715.6 | 1869.0 | 1612.2 | 1362.5 | 1202.0 | 1144.9 | 1123.5 |
| 67.5° | 420.9 | 388.8 | 363.8 | 388.8 | 488.6 | 517.2 | 474.4 | 395.9 | 370.9 | 381.6 | 388.8 |
| 70° | 260.4 | 246.1 | 196.2 | 185.5 | 181.9 | 178.3 | 189.0 | 199.7 | 228.3 | 267.5 | 274.6 |
| 72.5° | 181.9 | 171.2 | 139.1 | 132.0 | 124.8 | 121.3 | 139.1 | 153.4 | 178.3 | 206.9 | 210.4 |
| 75° | 71.3 | 74.9 | 71.3 | 78.5 | 82.0 | 85.6 | 99.9 | 110.6 | 121.3 | 121.3 | 117.7 |
| 77.5° | 14.3 | 14.3 | 21.4 | 28.5 | 35.7 | 46.4 | 67.8 | 78.5 | 82.0 | 78.5 | 67.8 |
| 80° | 0.0 | 0.0 | 7.1 | 14.3 | 28.5 | 39.2 | 60.6 | 67.8 | 74.9 | 67.8 | 53.5 |
| 82.5° | 0.0 | 0.0 | 7.1 | 17.8 | 28.5 | 35.7 | 57.1 | 71.3 | 82.0 | 74.9 | 57.1 |
| 85° | 0.0 | 0.0 | 7.1 | 14.3 | 21.4 | 25.0 | 25.0 | 17.8 | 17.8 | 10.7 | 7.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 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)