

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: P531185

Luminaire Tested: **GLAN-SA6C-727-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531185
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-SA6C-727-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1050mA 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: 20925 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

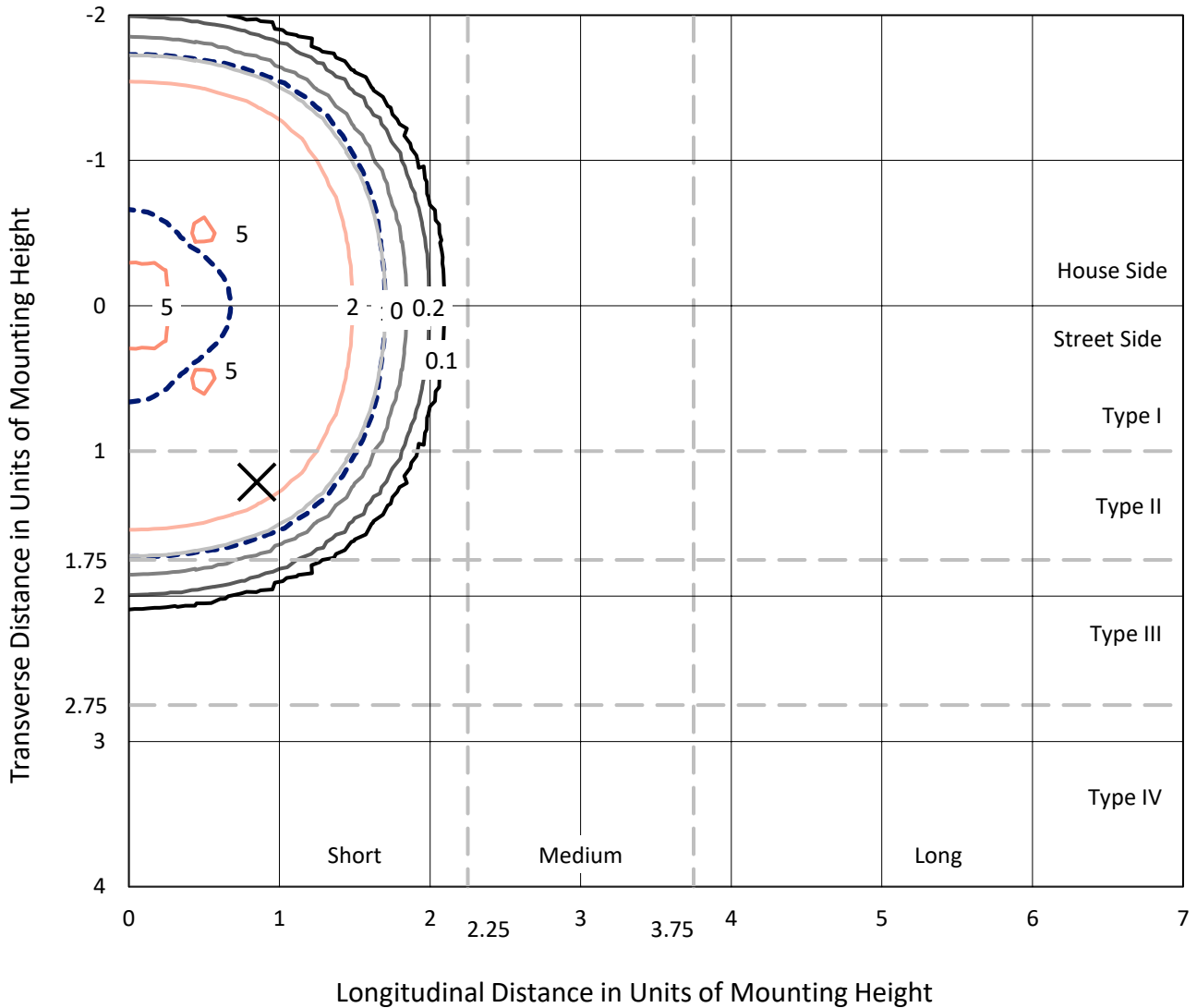
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

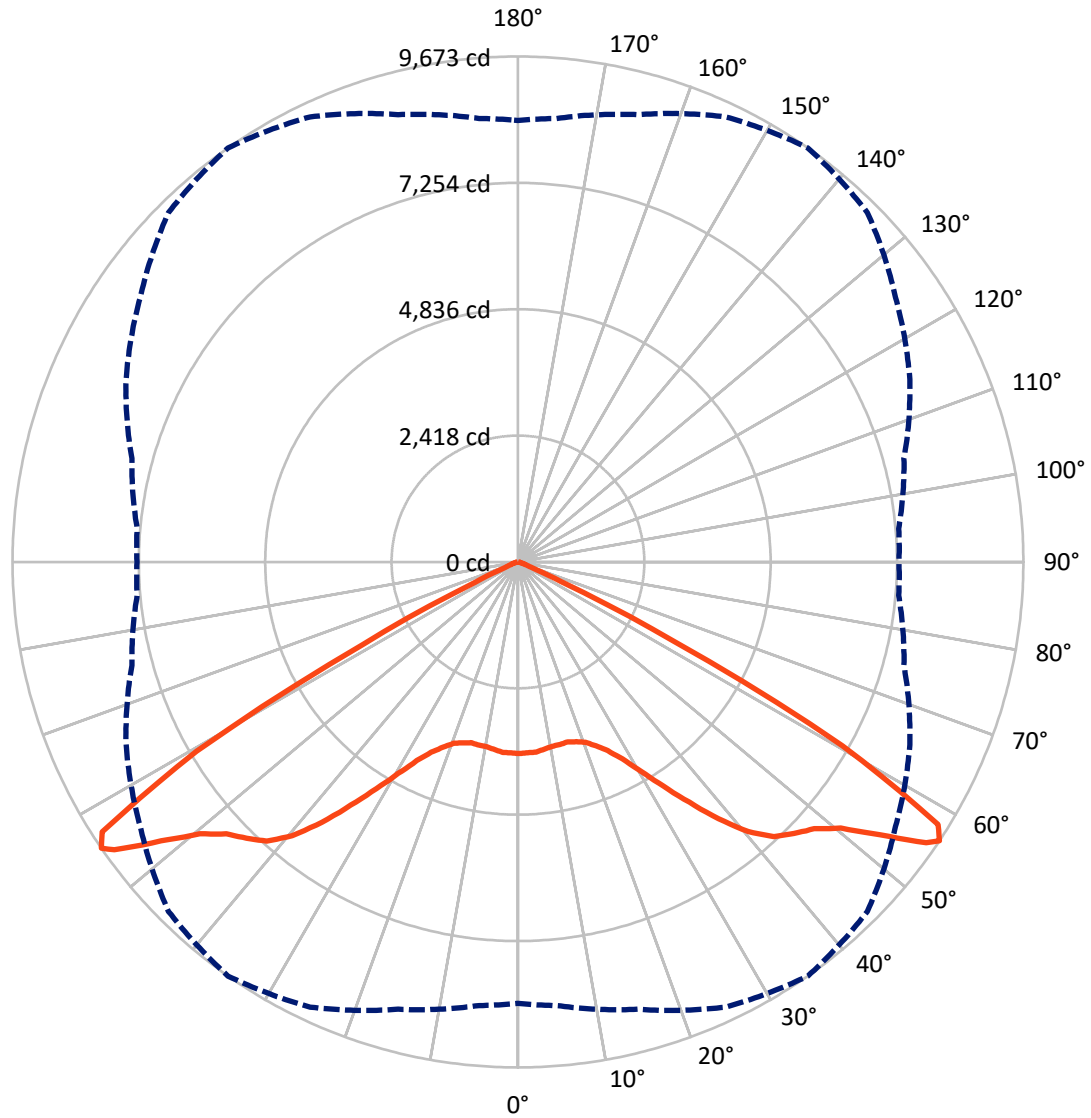
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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 | 10462.5 | 0.0 | 10462.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 10462.5 | 0.0 | 10462.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 20925.0 | 0.0 | 20925.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 344.6 | 1.6 |
| 10°-20° | 1006.1 | 4.8 |
| 20°-30° | 1821.8 | 8.7 |
| 30°-40° | 3378.3 | 16.1 |
| 40°-50° | 5545.3 | 26.5 |
| 50°-60° | 7143.9 | 34.1 |
| 60°-70° | 1574.4 | 7.5 |
| 70°-80° | 91.3 | 0.4 |
| 80°-90° | 19.2 | 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° | 20925.0 | 100.0 |
| 0°-180° | 20925.0 | 100.0 |



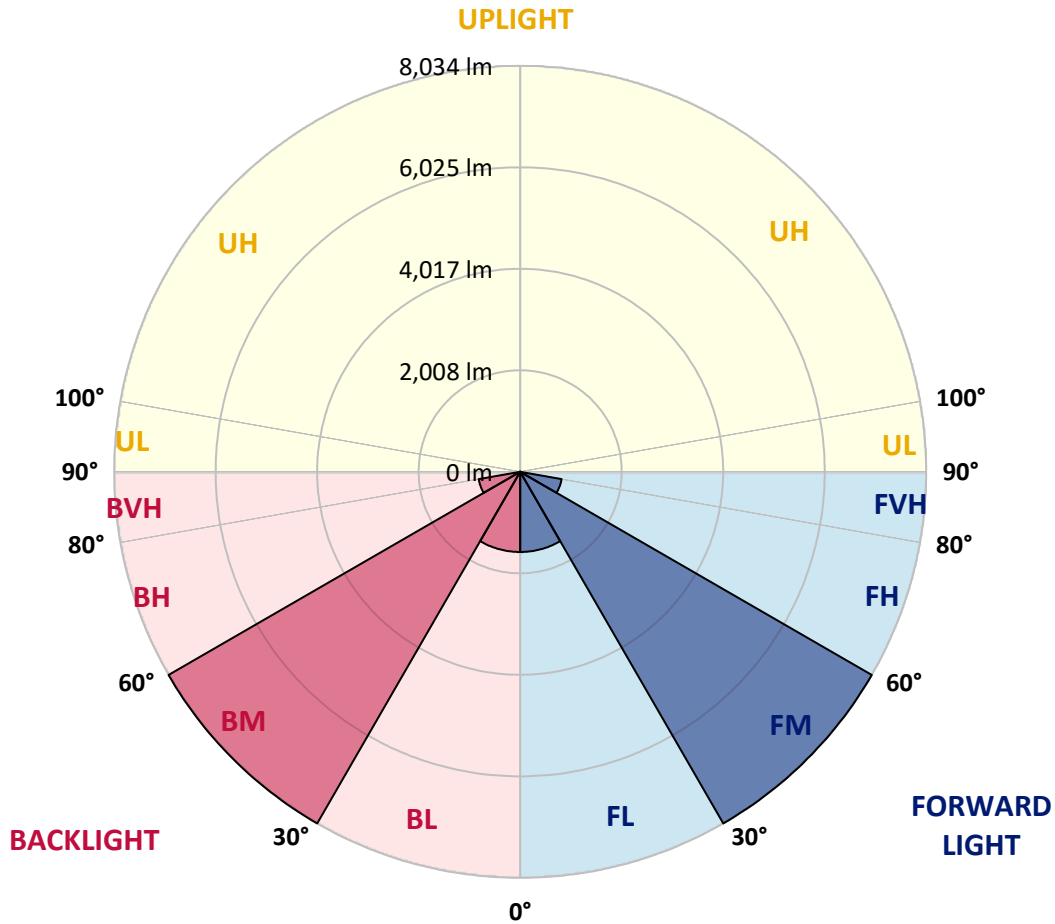
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1586.2 | 7.6 | | | |
| FM (30°-60°) | 8033.8 | 38.4 | | | |
| FH (60°-80°) | 832.9 | 4.0 | | | G1/1800 |
| FVH (80°-90°) | 9.6 | 0.0 | | | G0/10 |
| BL (0°-30°) | 1586.2 | 7.6 | B3/2500 | | |
| BM (30°-60°) | 8033.8 | 38.4 | B4/8500 | | |
| BH (60°-80°) | 832.9 | 4.0 | B2/1000 | | G1/1800 |
| BVH (80°-90°) | 9.6 | 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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3666.5 | 3666.5 | 3666.5 | 3666.5 | 3666.5 | 3666.5 | 3666.5 | 3666.5 | 3666.5 | 3666.5 | 3666.5 |
| 2.5° | 3674.1 | 3674.1 | 3677.9 | 3681.7 | 3655.1 | 3643.8 | 3647.6 | 3640.0 | 3636.2 | 3647.6 | 3647.6 |
| 5° | 3662.7 | 3662.7 | 3651.3 | 3655.1 | 3655.1 | 3621.0 | 3621.0 | 3628.6 | 3628.6 | 3605.8 | 3598.3 |
| 7.5° | 3632.4 | 3624.8 | 3609.6 | 3628.6 | 3617.2 | 3617.2 | 3590.7 | 3571.7 | 3564.1 | 3579.3 | 3564.1 |
| 10° | 3567.9 | 3571.7 | 3586.9 | 3594.5 | 3586.9 | 3609.6 | 3564.1 | 3537.6 | 3511.1 | 3499.7 | 3499.7 |
| 12.5° | 3537.6 | 3560.3 | 3537.6 | 3556.6 | 3583.1 | 3564.1 | 3537.6 | 3518.6 | 3480.7 | 3465.6 | 3465.6 |
| 15° | 3533.8 | 3549.0 | 3556.6 | 3583.1 | 3571.7 | 3579.3 | 3526.2 | 3503.5 | 3446.6 | 3420.1 | 3408.7 |
| 17.5° | 3530.0 | 3549.0 | 3560.3 | 3609.6 | 3617.2 | 3621.0 | 3579.3 | 3511.1 | 3461.8 | 3435.2 | 3408.7 |
| 20° | 3571.7 | 3579.3 | 3602.1 | 3651.3 | 3681.7 | 3734.8 | 3658.9 | 3586.9 | 3480.7 | 3450.4 | 3439.0 |
| 22.5° | 3624.8 | 3662.7 | 3685.5 | 3738.6 | 3818.2 | 3863.7 | 3765.1 | 3674.1 | 3564.1 | 3526.2 | 3480.7 |
| 25° | 3795.4 | 3787.8 | 3825.8 | 3935.7 | 4000.2 | 4034.3 | 3954.7 | 3822.0 | 3677.9 | 3632.4 | 3640.0 |
| 27.5° | 4007.8 | 4015.3 | 4049.5 | 4170.8 | 4265.6 | 4318.7 | 4223.9 | 4049.5 | 3909.2 | 3833.3 | 3825.8 |
| 30° | 4284.5 | 4277.0 | 4314.9 | 4477.9 | 4648.5 | 4728.2 | 4561.3 | 4356.6 | 4220.1 | 4121.5 | 4144.3 |
| 32.5° | 4576.5 | 4580.3 | 4686.5 | 4834.3 | 5111.1 | 5266.6 | 4997.4 | 4747.1 | 4542.4 | 4474.1 | 4440.0 |
| 35° | 5008.7 | 5027.7 | 5111.1 | 5338.6 | 5645.7 | 5846.7 | 5551.0 | 5251.4 | 5016.3 | 4891.2 | 4906.4 |
| 37.5° | 5543.4 | 5524.4 | 5664.7 | 5911.2 | 6233.4 | 6381.3 | 6131.1 | 5789.8 | 5551.0 | 5467.5 | 5520.6 |
| 40° | 6112.1 | 6131.1 | 6203.1 | 6426.8 | 6787.0 | 6885.6 | 6514.0 | 6328.2 | 6119.7 | 6078.0 | 6142.4 |
| 42.5° | 6680.9 | 6669.5 | 6722.6 | 6923.5 | 7185.1 | 7116.9 | 6897.0 | 6787.0 | 6639.2 | 6555.7 | 6642.9 |
| 45° | 7097.9 | 7079.0 | 7177.6 | 7314.1 | 7408.9 | 7279.9 | 7181.4 | 7143.4 | 7067.6 | 6976.6 | 7056.2 |
| 47.5° | 7503.6 | 7488.5 | 7583.3 | 7621.2 | 7628.8 | 7458.1 | 7477.1 | 7545.4 | 7355.8 | 7166.2 | 7257.2 |
| 50° | 7848.7 | 7822.1 | 7939.7 | 8023.1 | 8004.1 | 7731.1 | 7799.4 | 7731.1 | 7435.4 | 7211.7 | 7177.6 |
| 52.5° | 8425.0 | 8436.4 | 8561.5 | 8713.2 | 8667.7 | 8440.2 | 8341.6 | 8030.7 | 7651.5 | 7450.6 | 7333.0 |
| 55° | 8789.0 | 8732.1 | 8948.3 | 9429.8 | 9482.9 | 9247.8 | 8811.8 | 8353.0 | 7784.2 | 7537.8 | 7507.4 |
| 56° | 8447.8 | 8519.8 | 8861.0 | 9399.5 | 9672.5 | 9456.3 | 8823.1 | 8273.3 | 7647.7 | 7314.1 | 7291.3 |
| 57.5° | 7579.5 | 7541.6 | 8004.1 | 8739.7 | 9482.9 | 9391.9 | 8512.2 | 7704.6 | 6976.6 | 6601.2 | 6555.7 |
| 60° | 4716.8 | 4826.7 | 5232.5 | 6142.4 | 7135.9 | 7181.4 | 6309.3 | 5615.4 | 4766.1 | 4432.4 | 4512.0 |
| 62.5° | 1846.5 | 1751.7 | 2005.8 | 2684.5 | 3367.0 | 3518.6 | 3188.8 | 2650.4 | 2176.4 | 1846.5 | 1823.8 |
| 65° | 428.5 | 417.1 | 470.2 | 648.4 | 906.2 | 1050.3 | 997.2 | 716.6 | 527.0 | 500.5 | 462.6 |
| 67.5° | 242.7 | 242.7 | 231.3 | 231.3 | 254.0 | 269.2 | 257.8 | 254.0 | 265.4 | 276.8 | 273.0 |
| 70° | 170.6 | 166.8 | 159.2 | 163.0 | 155.5 | 155.5 | 166.8 | 185.8 | 201.0 | 201.0 | 204.7 |
| 72.5° | 102.4 | 102.4 | 102.4 | 113.7 | 113.7 | 113.7 | 125.1 | 140.3 | 144.1 | 140.3 | 136.5 |
| 75° | 45.5 | 45.5 | 53.1 | 64.5 | 72.0 | 75.8 | 87.2 | 94.8 | 102.4 | 94.8 | 87.2 |
| 77.5° | 11.4 | 11.4 | 19.0 | 26.5 | 34.1 | 41.7 | 56.9 | 68.2 | 72.0 | 68.2 | 56.9 |
| 80° | 3.8 | 3.8 | 7.6 | 19.0 | 34.1 | 41.7 | 56.9 | 60.7 | 64.5 | 56.9 | 45.5 |
| 82.5° | 3.8 | 3.8 | 7.6 | 19.0 | 26.5 | 34.1 | 45.5 | 53.1 | 56.9 | 49.3 | 45.5 |
| 85° | 0.0 | 3.8 | 7.6 | 15.2 | 22.7 | 30.3 | 30.3 | 22.7 | 19.0 | 11.4 | 15.2 |
| 87.5° | 0.0 | 0.0 | 3.8 | 3.8 | 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)