

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P629106

Luminaire Tested: GWS-SA1B-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629106
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2311.5 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

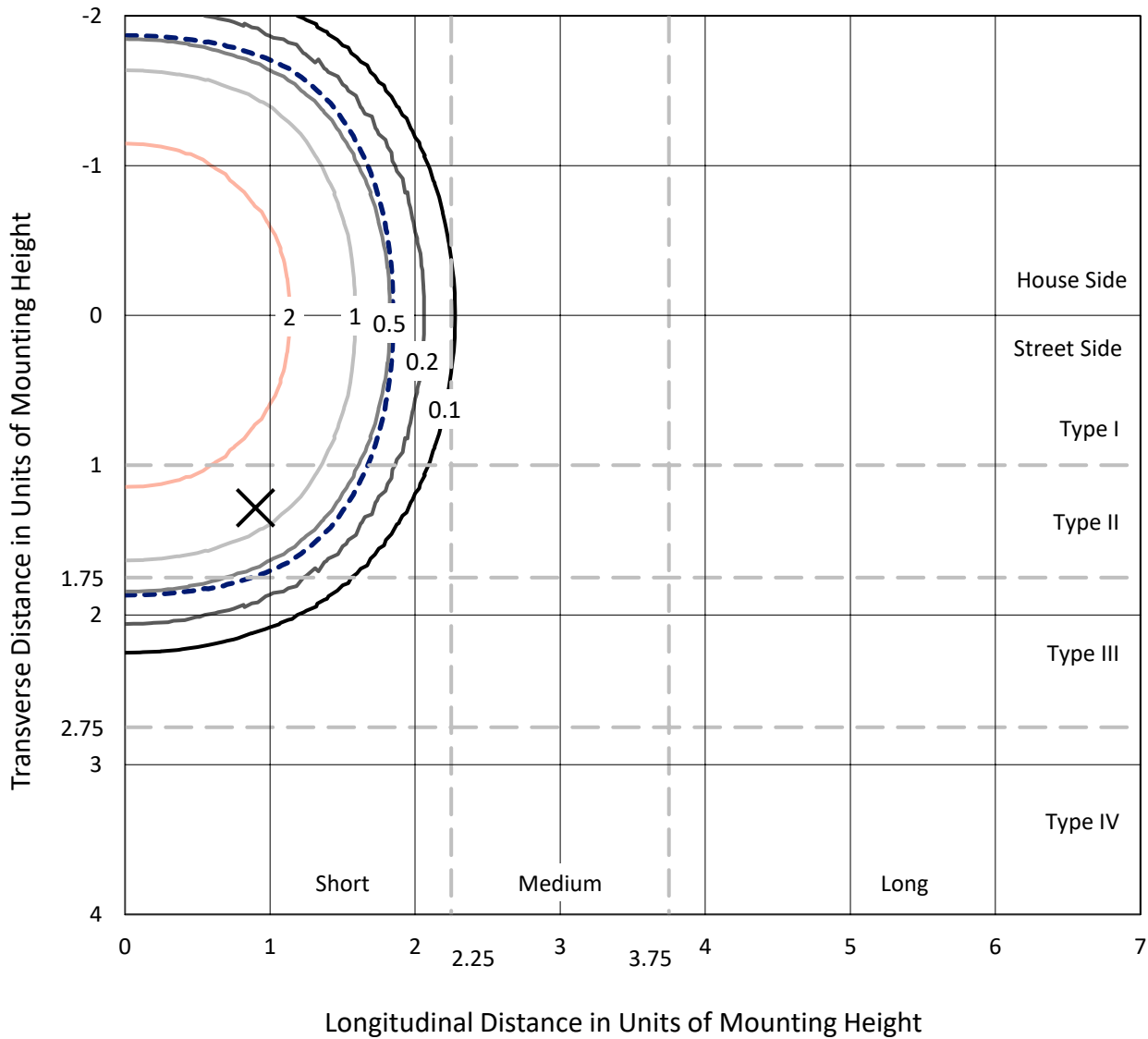
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

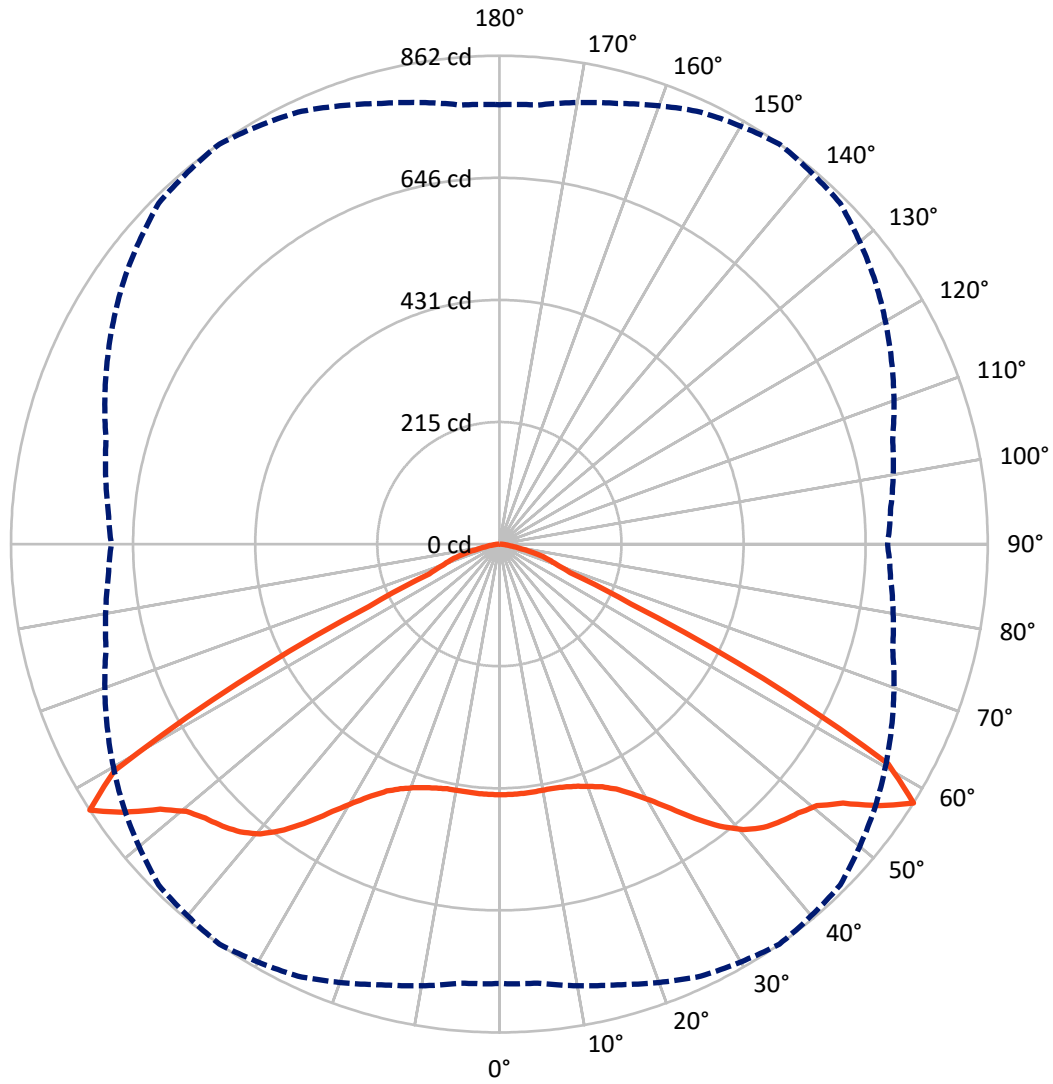
✕ Max cd
 - - - 1/2 Max cd



Based on 10 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 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1155.7 | 0.0 | 1155.7 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 1155.7 | 0.0 | 1155.7 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 2311.5 | 0.0 | 2311.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 42.1 | 1.8 |
| 10°-20° | 125.5 | 5.4 |
| 20°-30° | 219.0 | 9.5 |
| 30°-40° | 359.2 | 15.5 |
| 40°-50° | 529.0 | 22.9 |
| 50°-60° | 675.0 | 29.2 |
| 60°-70° | 284.5 | 12.3 |
| 70°-80° | 68.0 | 2.9 |
| 80°-90° | 9.2 | 0.4 |
| 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° | 2311.5 | 100.0 |
| 0°-180° | 2311.5 | 100.0 |

Coefficient of Utilization



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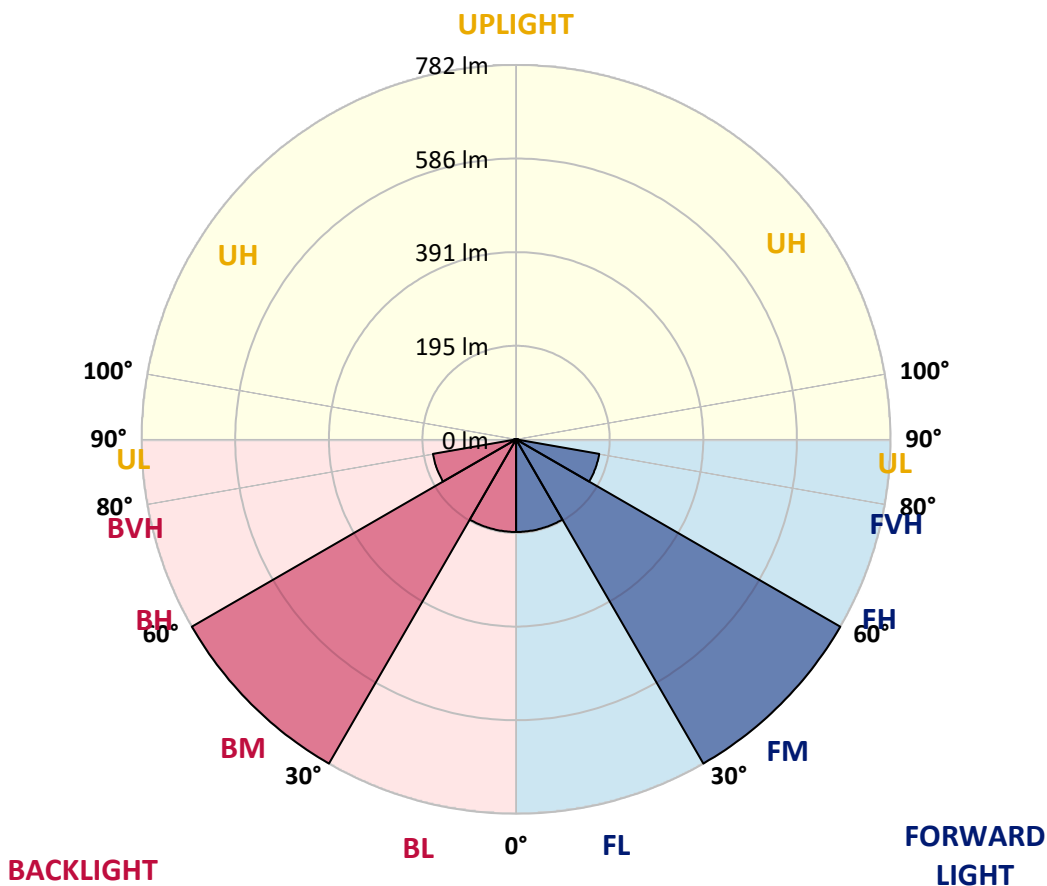
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 193.3 | 8.4 | | | |
| FM (30°-60°) | 781.6 | 33.8 | | | |
| FH (60°-80°) | 176.2 | 7.6 | | | G0/660 |
| FVH (80°-90°) | 4.6 | 0.2 | | | G0/10 |
| BL (0°-30°) | 193.3 | 8.4 | B1/500 | | |
| BM (30°-60°) | 781.6 | 33.8 | B1/1000 | | |
| BH (60°-80°) | 176.2 | 7.6 | B1/500 | | G0/660 |
| BVH (80°-90°) | 4.6 | 0.2 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 442.3 | 442.3 | 442.3 | 442.3 | 442.3 | 442.3 | 442.3 | 442.3 | 442.3 | 442.3 | 442.3 |
| 2.5° | 439.6 | 439.6 | 440.6 | 441.5 | 441.9 | 443.6 | 443.4 | 442.8 | 442.5 | 441.3 | 442.8 |
| 5° | 440.6 | 440.6 | 441.3 | 441.9 | 441.7 | 443.0 | 442.5 | 441.5 | 441.0 | 439.8 | 441.5 |
| 7.5° | 440.4 | 440.4 | 441.0 | 441.5 | 441.1 | 442.3 | 441.3 | 440.0 | 439.1 | 437.9 | 439.4 |
| 10° | 437.9 | 438.3 | 438.9 | 440.2 | 440.8 | 442.5 | 441.1 | 439.1 | 437.5 | 436.2 | 437.7 |
| 12.5° | 437.5 | 437.9 | 438.7 | 440.4 | 441.3 | 443.8 | 442.1 | 438.7 | 436.4 | 434.7 | 436.2 |
| 15° | 439.3 | 439.6 | 440.8 | 442.8 | 444.4 | 447.0 | 444.6 | 439.8 | 436.6 | 434.3 | 435.7 |
| 17.5° | 441.3 | 441.9 | 443.6 | 446.6 | 449.1 | 451.9 | 448.9 | 443.2 | 438.7 | 435.7 | 436.8 |
| 20° | 443.6 | 444.4 | 447.0 | 451.6 | 456.1 | 459.7 | 455.9 | 448.3 | 442.8 | 438.9 | 440.0 |
| 22.5° | 447.6 | 448.5 | 451.9 | 458.4 | 465.2 | 470.5 | 465.7 | 455.5 | 448.3 | 443.2 | 444.2 |
| 25° | 455.7 | 456.9 | 461.2 | 469.0 | 478.6 | 485.0 | 478.4 | 466.9 | 456.9 | 450.6 | 451.6 |
| 27.5° | 470.1 | 470.7 | 476.3 | 486.6 | 498.5 | 505.9 | 497.9 | 484.3 | 473.1 | 465.9 | 466.7 |
| 30° | 489.0 | 490.7 | 496.4 | 509.8 | 524.0 | 533.9 | 523.5 | 507.4 | 494.5 | 485.8 | 486.6 |
| 32.5° | 512.1 | 513.2 | 521.8 | 535.8 | 556.2 | 567.6 | 553.4 | 534.3 | 518.7 | 508.1 | 508.9 |
| 35° | 542.4 | 543.3 | 551.5 | 569.3 | 594.1 | 604.7 | 588.4 | 566.4 | 548.4 | 538.4 | 541.3 |
| 37.5° | 578.5 | 580.2 | 586.1 | 603.7 | 631.3 | 641.7 | 623.0 | 602.6 | 583.8 | 574.6 | 576.6 |
| 40° | 617.3 | 617.1 | 621.9 | 637.4 | 662.6 | 669.0 | 652.2 | 635.9 | 619.8 | 613.7 | 617.1 |
| 42.5° | 650.6 | 649.7 | 653.1 | 666.0 | 683.4 | 684.0 | 672.8 | 663.7 | 652.3 | 648.2 | 651.4 |
| 45° | 673.9 | 674.3 | 679.4 | 688.3 | 697.2 | 692.5 | 689.1 | 687.5 | 678.7 | 673.0 | 673.5 |
| 47.5° | 692.3 | 693.8 | 701.9 | 708.0 | 709.1 | 701.2 | 705.9 | 708.2 | 700.8 | 692.1 | 689.6 |
| 50° | 708.6 | 711.0 | 721.6 | 728.0 | 725.6 | 715.6 | 724.8 | 728.2 | 712.0 | 695.3 | 690.4 |
| 52.5° | 738.1 | 740.9 | 753.8 | 762.1 | 759.3 | 749.2 | 757.9 | 745.8 | 718.4 | 698.0 | 691.7 |
| 55° | 785.2 | 786.5 | 802.2 | 815.9 | 814.5 | 802.2 | 795.2 | 768.4 | 735.1 | 713.9 | 708.0 |
| 57.5° | 775.2 | 777.4 | 804.7 | 841.0 | 861.5 | 850.3 | 809.2 | 763.4 | 718.2 | 692.7 | 684.7 |
| 60° | 610.0 | 615.4 | 649.3 | 713.3 | 788.2 | 788.0 | 711.8 | 640.6 | 586.1 | 552.2 | 548.8 |
| 62.5° | 356.2 | 360.0 | 390.8 | 455.5 | 522.7 | 526.9 | 473.3 | 424.5 | 376.8 | 353.9 | 342.9 |
| 65° | 168.6 | 168.4 | 180.7 | 209.9 | 255.3 | 258.9 | 242.8 | 216.1 | 187.9 | 180.2 | 178.1 |
| 67.5° | 124.5 | 124.5 | 123.6 | 125.7 | 134.4 | 136.3 | 134.4 | 130.0 | 127.4 | 129.1 | 127.9 |
| 70° | 108.1 | 108.3 | 107.1 | 106.5 | 106.5 | 106.0 | 106.7 | 108.4 | 109.6 | 111.8 | 110.7 |
| 72.5° | 87.6 | 87.8 | 87.8 | 88.0 | 88.2 | 87.4 | 88.6 | 89.5 | 89.7 | 90.5 | 89.7 |
| 75° | 62.3 | 62.6 | 63.8 | 64.7 | 65.5 | 65.5 | 65.9 | 66.0 | 65.3 | 66.2 | 64.7 |
| 77.5° | 34.3 | 34.6 | 36.7 | 38.4 | 40.1 | 40.3 | 40.9 | 41.3 | 40.9 | 41.6 | 40.5 |
| 80° | 18.9 | 19.3 | 20.2 | 21.0 | 22.3 | 23.5 | 24.2 | 24.6 | 24.6 | 25.2 | 24.6 |
| 82.5° | 10.8 | 11.2 | 11.7 | 12.1 | 13.2 | 14.2 | 15.0 | 15.5 | 15.5 | 15.7 | 15.3 |
| 85° | 5.1 | 5.1 | 5.5 | 5.9 | 6.4 | 6.8 | 7.8 | 8.3 | 8.3 | 8.7 | 8.3 |
| 87.5° | 0.8 | 0.9 | 1.1 | 1.1 | 1.5 | 1.9 | 2.3 | 2.5 | 2.8 | 3.0 | 3.0 |
| 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)