

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: P629928

Luminaire Tested: GWS-SA1C-760-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629928  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-760-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

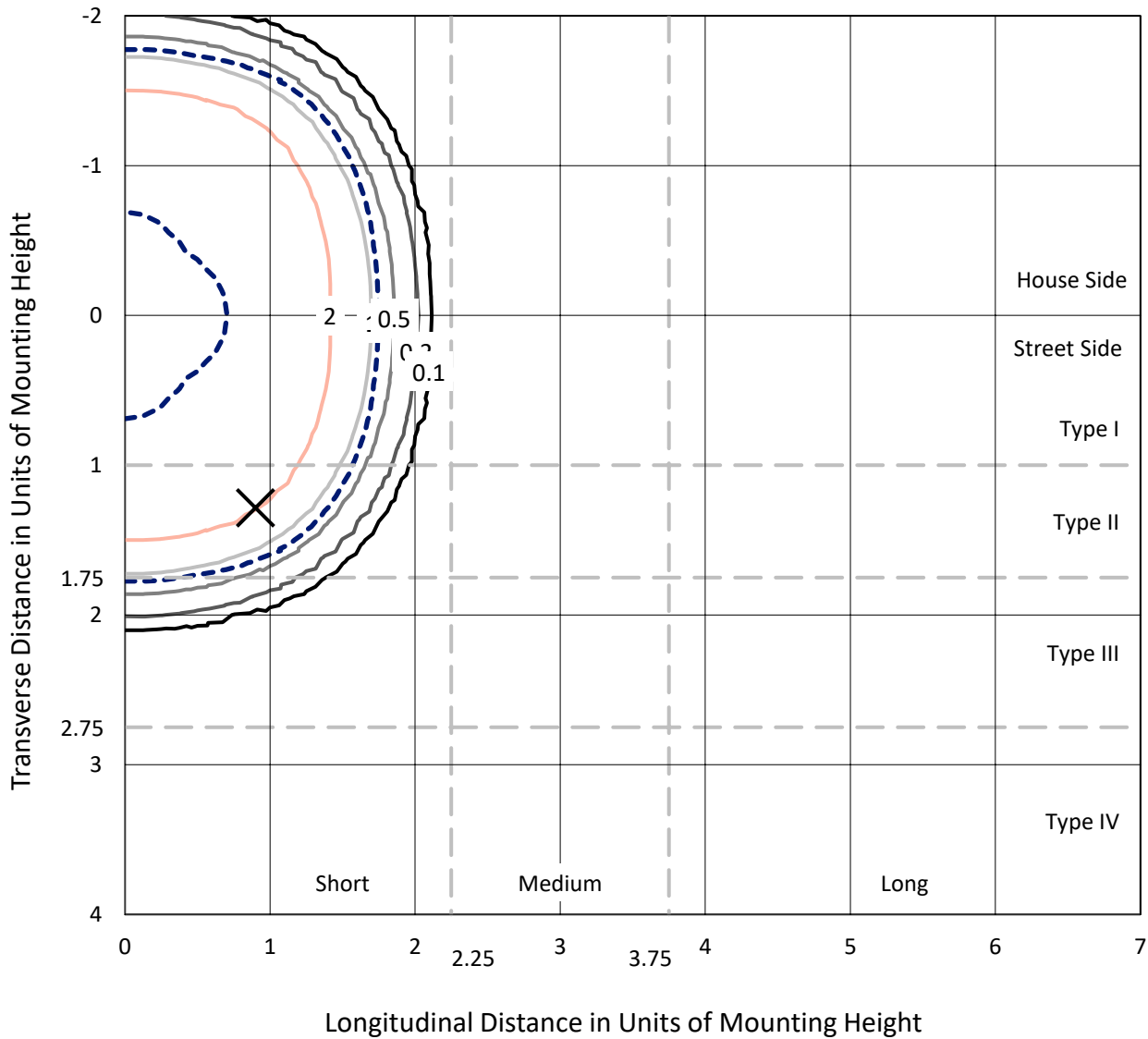
Lumens per Lamp: N/A  
Luminaire Lumens: 2962.9 lumens  
Efficiency: N/A  
Efficacy: 86.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

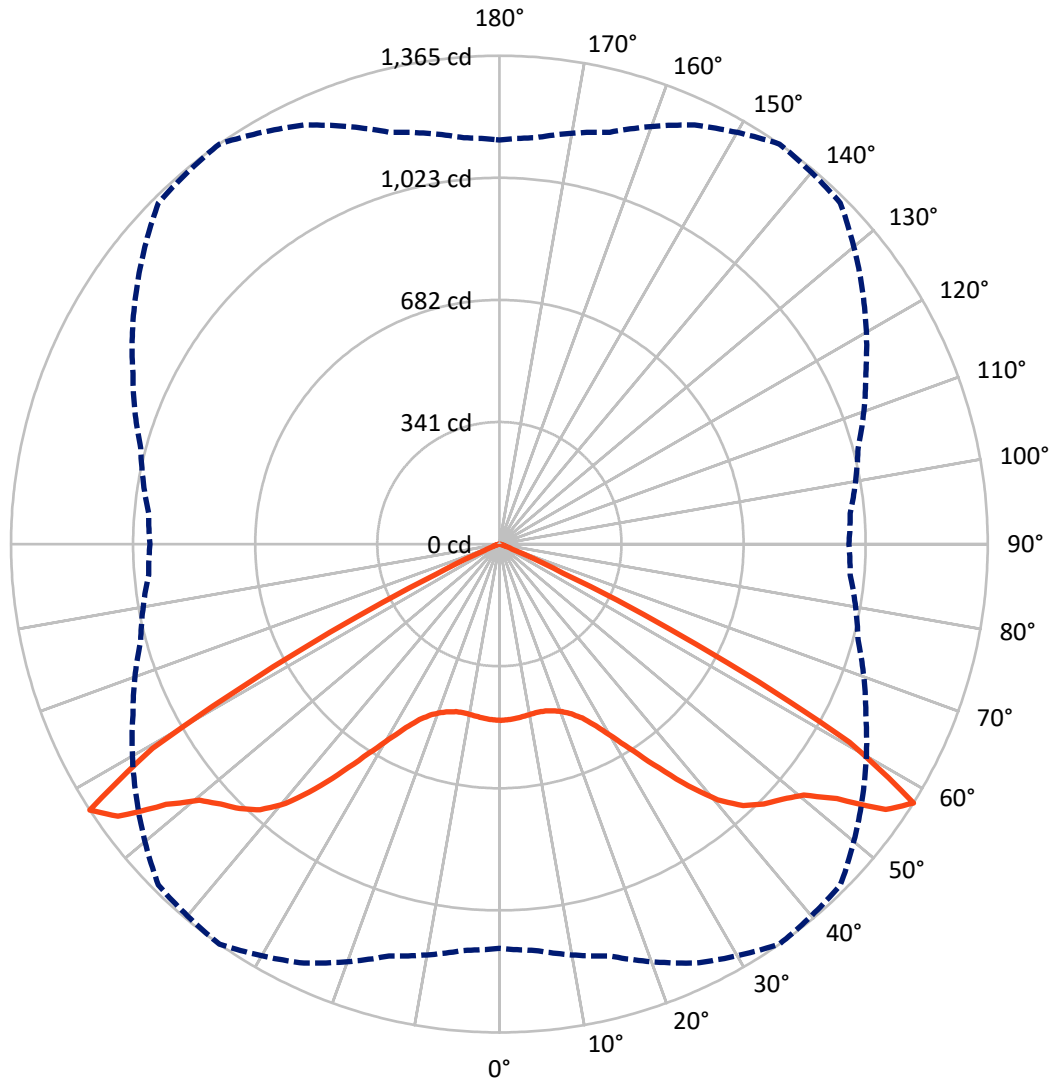
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 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  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1481.4   | 0.0    | 1481.4 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 1481.4   | 0.0    | 1481.4 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 2962.9   | 0.0    | 2962.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 46.4   | 1.6       |
| 10°-20°   | 136.5  | 4.6       |
| 20°-30°   | 246.8  | 8.3       |
| 30°-40°   | 460.4  | 15.5      |
| 40°-50°   | 772.3  | 26.1      |
| 50°-60°   | 1019.9 | 34.4      |
| 60°-70°   | 270.9  | 9.1       |
| 70°-80°   | 9.6    | 0.3       |
| 80°-90°   | 0.2    | 0.0       |
| 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°    | 2962.9 | 100.0     |
| 0°-180°   | 2962.9 | 100.0     |

**Coefficient of Utilization**



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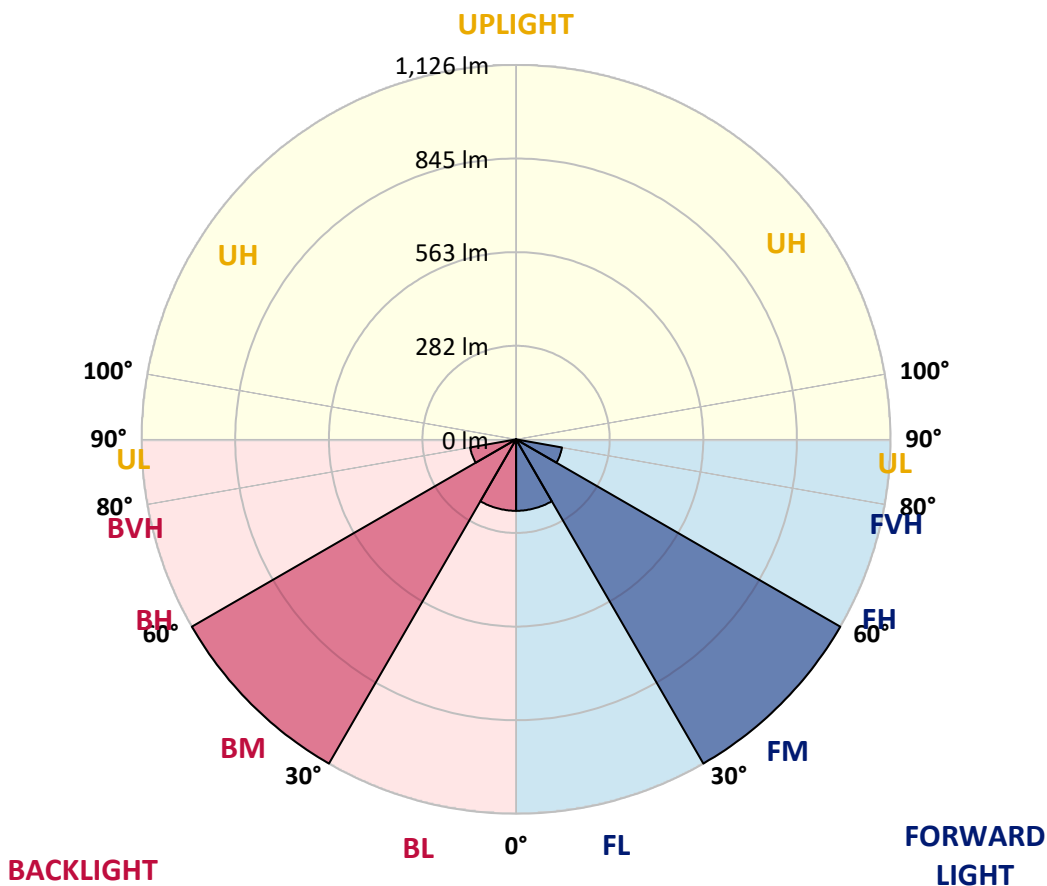
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|--------|-----------|-------------------------|------|--------|
|                |        |           | B                       | U    | G      |
| FL (0°-30°)    | 214.9  | 7.3       |                         |      |        |
| FM (30°-60°)   | 1126.3 | 38.0      |                         |      |        |
| FH (60°-80°)   | 140.2  | 4.7       |                         |      | G0/660 |
| FVH (80°-90°)  | 0.1    | 0.0       |                         |      | G0/10  |
| BL (0°-30°)    | 214.9  | 7.3       | B1/500                  |      |        |
| BM (30°-60°)   | 1126.3 | 38.0      | B2/2500                 |      |        |
| BH (60°-80°)   | 140.2  | 4.7       | B1/500                  |      | G0/660 |
| BVH (80°-90°)  | 0.1    | 0.0       |                         |      | G0/10  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 492.6  | 492.6  | 492.6  | 492.6  | 492.6  | 492.6  | 492.6  | 492.6  | 492.6  | 492.6  | 492.6  |
| 2.5°  | 489.1  | 488.8  | 490.2  | 491.2  | 491.2  | 493.7  | 493.0  | 492.3  | 491.6  | 490.5  | 493.0  |
| 5°    | 488.4  | 488.1  | 489.1  | 489.8  | 489.1  | 491.2  | 489.8  | 488.4  | 487.7  | 486.4  | 489.1  |
| 7.5°  | 485.3  | 485.7  | 486.4  | 487.0  | 486.0  | 487.7  | 486.0  | 483.9  | 482.2  | 480.8  | 483.2  |
| 10°   | 480.4  | 480.8  | 481.5  | 482.9  | 483.2  | 485.7  | 483.2  | 479.4  | 477.0  | 474.9  | 477.3  |
| 12.5° | 478.0  | 478.4  | 479.4  | 481.1  | 481.5  | 484.6  | 481.5  | 475.9  | 472.4  | 470.0  | 472.4  |
| 15°   | 478.7  | 479.4  | 480.8  | 482.9  | 483.6  | 486.7  | 482.5  | 475.2  | 470.4  | 467.2  | 469.3  |
| 17.5° | 481.1  | 481.8  | 483.9  | 487.4  | 489.8  | 493.0  | 487.7  | 478.4  | 471.8  | 467.2  | 469.3  |
| 20°   | 484.3  | 485.3  | 488.8  | 494.3  | 499.6  | 505.1  | 498.5  | 485.7  | 477.0  | 471.4  | 473.1  |
| 22.5° | 493.0  | 494.0  | 498.9  | 506.2  | 514.9  | 521.8  | 513.8  | 497.5  | 485.7  | 478.4  | 480.1  |
| 25°   | 510.7  | 511.7  | 518.0  | 527.4  | 538.5  | 547.5  | 537.5  | 516.9  | 501.6  | 493.3  | 494.0  |
| 27.5° | 538.5  | 539.5  | 546.8  | 560.1  | 575.0  | 587.9  | 573.3  | 549.3  | 531.9  | 522.2  | 522.2  |
| 30°   | 573.6  | 575.0  | 584.7  | 602.5  | 625.8  | 642.8  | 623.0  | 593.8  | 571.5  | 558.3  | 558.7  |
| 32.5° | 618.8  | 617.4  | 631.3  | 655.7  | 688.7  | 711.3  | 682.1  | 646.6  | 619.2  | 600.7  | 602.5  |
| 35°   | 676.9  | 676.5  | 692.2  | 725.2  | 768.3  | 795.4  | 760.6  | 714.8  | 681.7  | 663.0  | 663.3  |
| 37.5° | 751.6  | 751.3  | 769.3  | 805.1  | 856.9  | 879.5  | 840.6  | 794.0  | 758.6  | 740.5  | 742.6  |
| 40°   | 839.2  | 837.1  | 853.1  | 887.5  | 939.3  | 953.9  | 911.5  | 874.0  | 839.9  | 828.4  | 834.0  |
| 42.5° | 922.6  | 918.1  | 927.5  | 958.8  | 998.8  | 1000.9 | 968.9  | 943.2  | 919.9  | 910.8  | 914.3  |
| 45°   | 989.7  | 986.3  | 995.0  | 1013.0 | 1036.0 | 1025.5 | 1010.2 | 1002.3 | 983.5  | 973.7  | 976.9  |
| 47.5° | 1039.8 | 1039.8 | 1050.2 | 1061.4 | 1064.8 | 1045.7 | 1048.1 | 1048.1 | 1029.4 | 1014.1 | 1010.2 |
| 50°   | 1082.9 | 1086.0 | 1101.7 | 1113.1 | 1101.7 | 1077.3 | 1091.2 | 1088.5 | 1050.2 | 1019.6 | 1011.6 |
| 52.5° | 1151.7 | 1154.9 | 1178.9 | 1194.5 | 1181.6 | 1157.6 | 1159.4 | 1124.6 | 1068.3 | 1032.1 | 1019.6 |
| 55°   | 1224.7 | 1232.4 | 1267.2 | 1308.9 | 1309.2 | 1284.5 | 1238.6 | 1177.1 | 1108.6 | 1069.3 | 1056.5 |
| 57.5° | 1129.1 | 1139.6 | 1191.4 | 1291.8 | 1364.5 | 1347.5 | 1238.0 | 1129.8 | 1037.4 | 983.8  | 976.5  |
| 60°   | 777.0  | 795.1  | 846.9  | 984.2  | 1124.3 | 1130.9 | 1001.6 | 880.2  | 774.2  | 708.1  | 709.5  |
| 62.5° | 328.2  | 346.6  | 375.8  | 488.8  | 617.4  | 625.4  | 562.8  | 475.9  | 389.4  | 341.7  | 349.0  |
| 65°   | 77.2   | 82.4   | 91.1   | 135.2  | 196.1  | 205.1  | 189.1  | 147.4  | 108.8  | 92.1   | 93.9   |
| 67.5° | 33.7   | 34.4   | 32.7   | 34.8   | 43.1   | 44.2   | 42.8   | 37.5   | 35.5   | 36.2   | 36.2   |
| 70°   | 23.6   | 24.0   | 22.6   | 21.6   | 20.5   | 19.1   | 19.8   | 21.9   | 23.6   | 25.0   | 24.7   |
| 72.5° | 14.6   | 14.9   | 15.3   | 15.3   | 14.3   | 12.9   | 13.6   | 14.9   | 15.3   | 15.6   | 15.3   |
| 75°   | 7.3    | 7.6    | 8.3    | 8.7    | 8.3    | 8.0    | 8.0    | 8.3    | 8.3    | 8.0    | 8.0    |
| 77.5° | 1.4    | 1.7    | 2.4    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 3.1    | 2.8    | 2.8    |
| 80°   | 0.3    | 0.3    | 0.7    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.7    | 0.7    |
| 82.5° | 0.3    | 0.3    | 0.3    | 0.3    | 0.0    | 0.0    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.3    | 0.3    | 0.3    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.3    | 0.3    | 0.3    |
| 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)