

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: McGRAW-EDISON

Report Number: P595594

Luminaire Tested: **ISW-PA1C-722-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/22/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: ISW-PA1C-722-U-5WQ
Description: IMPACT ELITE LED WEDGE LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5015 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B3 - U0 - G2

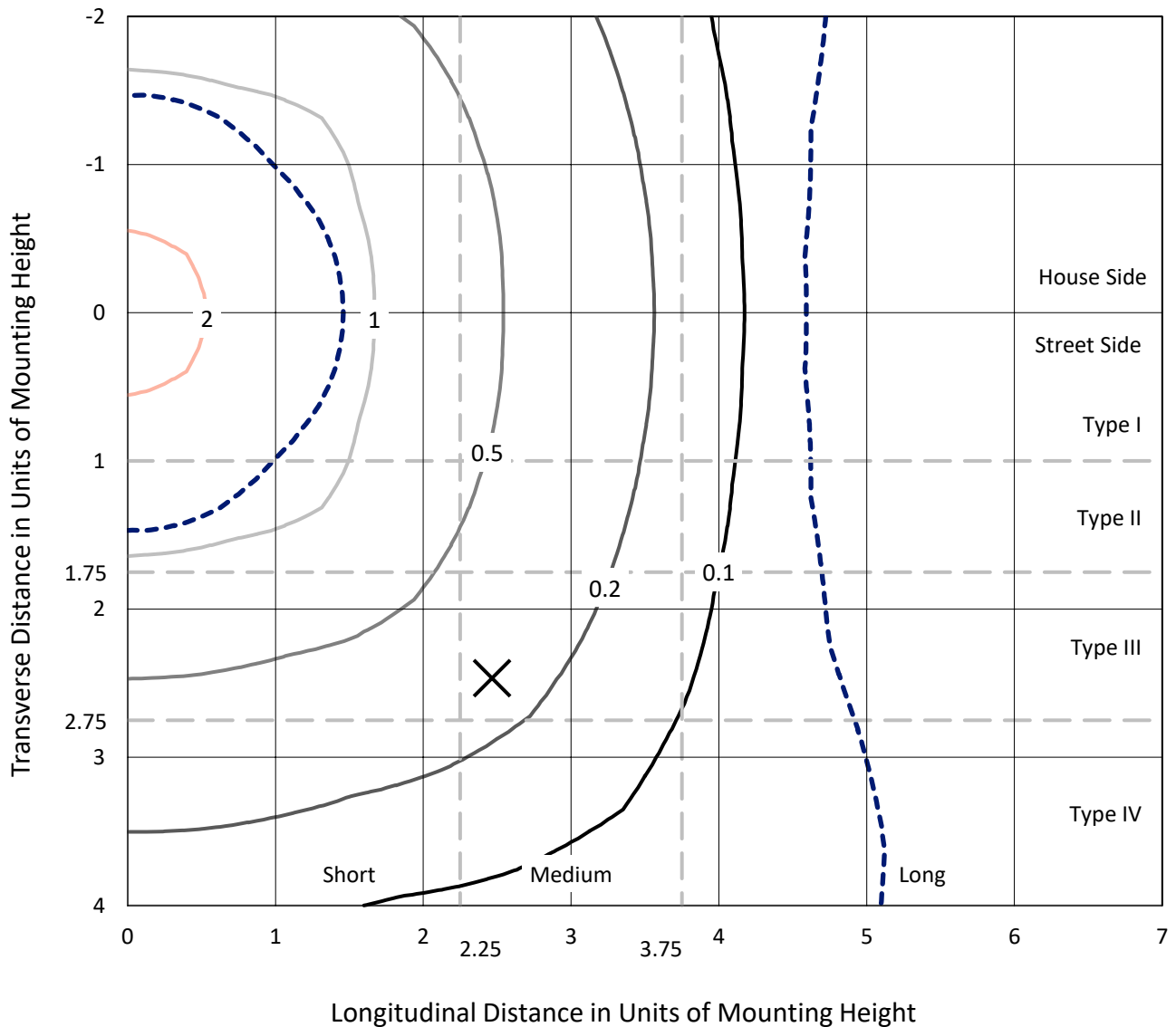
Input Watts (W): 48.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

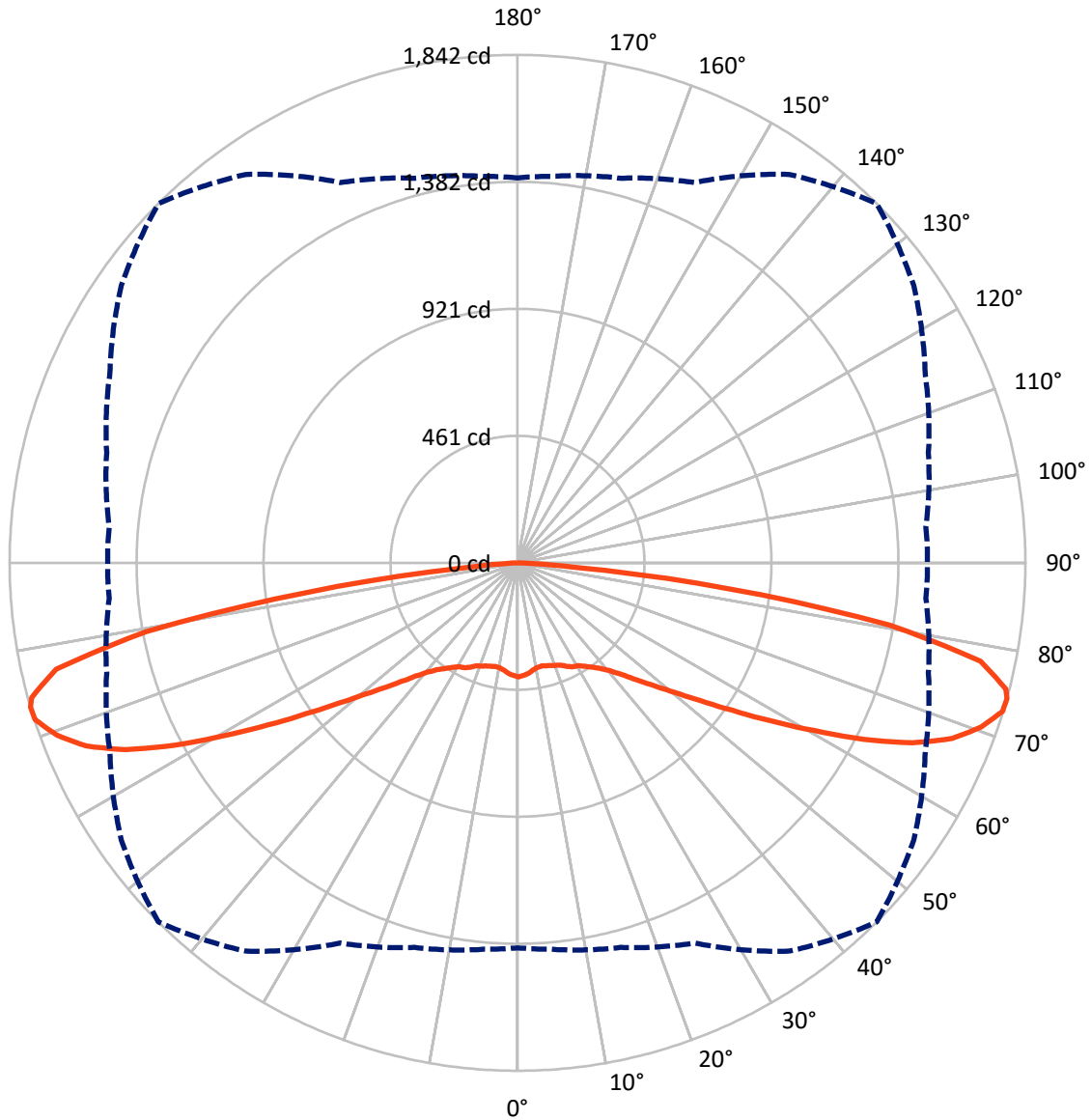
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2507.5 | 0.0 | 2507.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 2507.5 | 0.0 | 2507.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 5015.0 | 0.0 | 5015.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 37.9 | 0.8 |
| 10°-20° | 111.1 | 2.2 |
| 20°-30° | 191.9 | 3.8 |
| 30°-40° | 293.9 | 5.9 |
| 40°-50° | 478.1 | 9.5 |
| 50°-60° | 829.1 | 16.5 |
| 60°-70° | 1373.1 | 27.4 |
| 70°-80° | 1485.7 | 29.6 |
| 80°-90° | 214.1 | 4.3 |
| 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° | 5015.0 | 100.0 |
| 0°-180° | 5015.0 | 100.0 |

Coefficient of Utilization

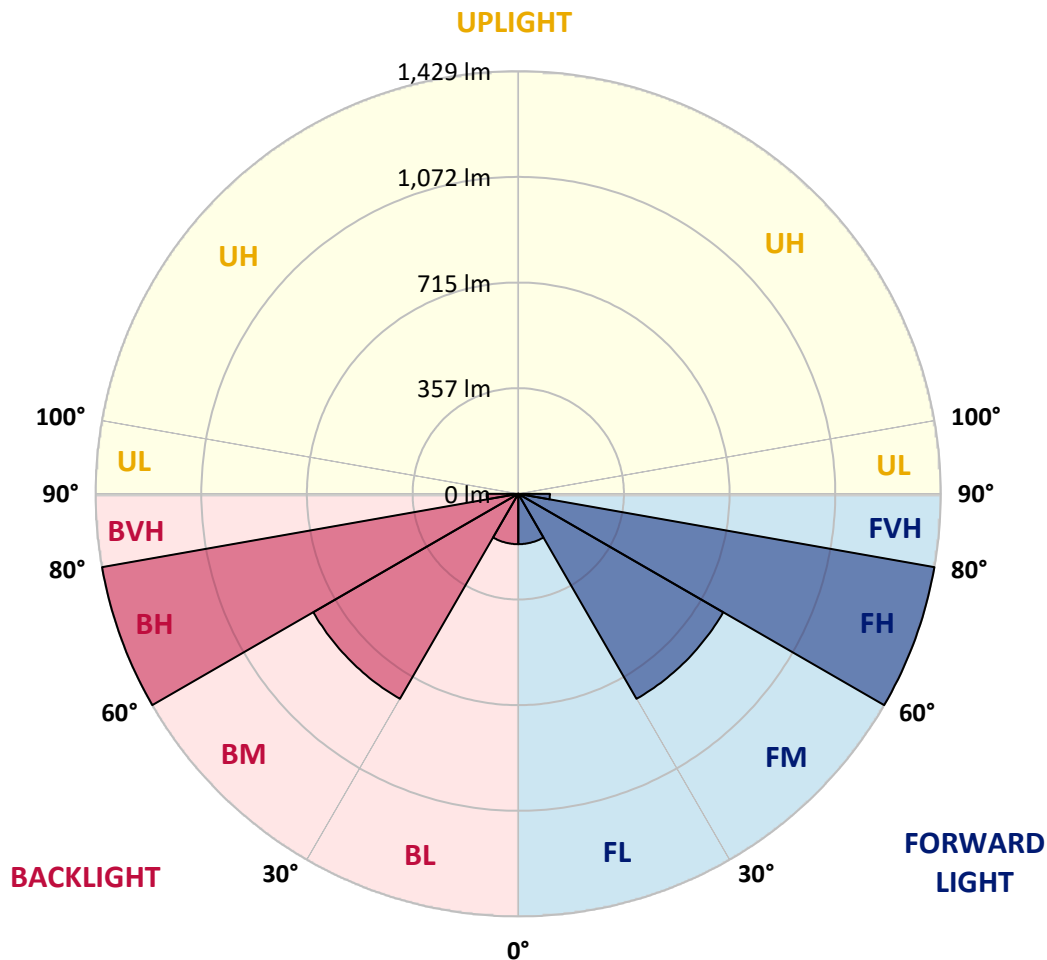


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 170.5 | 3.4 | | | |
| FM (30°-60°) | 800.6 | 16.0 | | | |
| FH (60°-80°) | 1429.4 | 28.5 | | | G1/1800 |
| FVH (80°-90°) | 107.1 | 2.1 | | | G2/225 |
| BL (0°-30°) | 170.5 | 3.4 | B1/500 | | |
| BM (30°-60°) | 800.6 | 16.0 | B1/1000 | | |
| BH (60°-80°) | 1429.4 | 28.5 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 107.1 | 2.1 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G2
 Type V Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 413.7 | 413.7 | 413.7 | 413.7 | 413.7 | 413.7 | 413.7 | 413.7 | 413.7 | 413.7 | 413.7 |
| 2.5° | 407.8 | 409.0 | 409.0 | 407.8 | 409.0 | 409.0 | 409.0 | 410.1 | 409.0 | 411.3 | 410.1 |
| 5° | 401.8 | 401.8 | 403.0 | 401.8 | 401.8 | 403.0 | 401.8 | 404.2 | 403.0 | 405.4 | 403.0 |
| 7.5° | 392.3 | 392.3 | 392.3 | 392.3 | 393.5 | 393.5 | 393.5 | 395.8 | 395.8 | 395.8 | 394.6 |
| 10° | 389.9 | 388.7 | 388.7 | 386.3 | 386.3 | 386.3 | 385.1 | 388.7 | 389.9 | 392.3 | 391.1 |
| 12.5° | 391.1 | 391.1 | 388.7 | 386.3 | 385.1 | 383.9 | 383.9 | 387.5 | 391.1 | 392.3 | 392.3 |
| 15° | 395.8 | 395.8 | 392.3 | 387.5 | 387.5 | 387.5 | 386.3 | 387.5 | 393.5 | 395.8 | 393.5 |
| 17.5° | 399.4 | 398.2 | 394.6 | 392.3 | 392.3 | 391.1 | 391.1 | 391.1 | 394.6 | 398.2 | 398.2 |
| 20° | 405.4 | 405.4 | 400.6 | 398.2 | 398.2 | 397.0 | 395.8 | 394.6 | 398.2 | 403.0 | 401.8 |
| 22.5° | 413.7 | 411.3 | 407.8 | 405.4 | 404.2 | 403.0 | 400.6 | 401.8 | 404.2 | 407.8 | 407.8 |
| 25° | 419.7 | 419.7 | 416.1 | 414.9 | 416.1 | 416.1 | 412.5 | 410.1 | 411.3 | 414.9 | 414.9 |
| 27.5° | 422.1 | 422.1 | 419.7 | 419.7 | 424.5 | 426.8 | 422.1 | 417.3 | 414.9 | 418.5 | 417.3 |
| 30° | 431.6 | 431.6 | 429.2 | 428.0 | 431.6 | 432.8 | 430.4 | 426.8 | 425.6 | 429.2 | 428.0 |
| 32.5° | 448.3 | 447.1 | 443.5 | 440.0 | 441.1 | 447.1 | 442.3 | 441.1 | 441.1 | 444.7 | 445.9 |
| 35° | 467.4 | 465.0 | 461.4 | 457.8 | 459.0 | 465.0 | 460.2 | 460.2 | 461.4 | 466.2 | 466.2 |
| 37.5° | 494.8 | 492.4 | 487.6 | 479.3 | 478.1 | 485.3 | 484.1 | 485.3 | 490.0 | 492.4 | 494.8 |
| 40° | 524.6 | 523.4 | 517.4 | 510.3 | 509.1 | 513.9 | 515.1 | 517.4 | 522.2 | 524.6 | 525.8 |
| 42.5° | 567.5 | 565.1 | 555.6 | 548.4 | 547.3 | 553.2 | 555.6 | 558.0 | 563.9 | 566.3 | 568.7 |
| 45° | 620.0 | 618.8 | 608.1 | 599.7 | 596.1 | 604.5 | 604.5 | 606.9 | 612.8 | 617.6 | 617.6 |
| 47.5° | 677.2 | 676.0 | 667.7 | 658.1 | 659.3 | 665.3 | 664.1 | 665.3 | 670.1 | 674.8 | 678.4 |
| 50° | 741.6 | 738.0 | 728.5 | 726.1 | 732.1 | 738.0 | 733.3 | 732.1 | 739.2 | 741.6 | 740.4 |
| 52.5° | 811.9 | 808.4 | 803.6 | 803.6 | 817.9 | 828.6 | 825.1 | 814.3 | 814.3 | 813.1 | 811.9 |
| 55° | 895.4 | 893.0 | 891.8 | 897.8 | 921.6 | 943.1 | 930.0 | 909.7 | 901.4 | 896.6 | 899.0 |
| 57.5° | 982.4 | 976.5 | 987.2 | 1000.3 | 1048.0 | 1079.0 | 1058.7 | 1020.6 | 1008.7 | 999.1 | 994.4 |
| 60° | 1070.7 | 1068.3 | 1083.8 | 1114.8 | 1182.7 | 1235.2 | 1207.8 | 1144.6 | 1123.1 | 1101.7 | 1101.7 |
| 62.5° | 1156.5 | 1154.1 | 1176.8 | 1224.5 | 1331.8 | 1409.3 | 1359.2 | 1279.3 | 1237.6 | 1205.4 | 1200.6 |
| 65° | 1260.2 | 1256.7 | 1281.7 | 1333.0 | 1476.0 | 1573.8 | 1510.6 | 1405.7 | 1355.6 | 1311.5 | 1305.5 |
| 67.5° | 1344.9 | 1344.9 | 1378.3 | 1441.5 | 1597.7 | 1700.2 | 1621.5 | 1530.9 | 1472.5 | 1427.2 | 1422.4 |
| 70° | 1426.0 | 1433.1 | 1458.2 | 1520.2 | 1690.7 | 1783.7 | 1712.1 | 1631.0 | 1578.6 | 1533.3 | 1528.5 |
| 72.5° | 1460.5 | 1470.1 | 1495.1 | 1555.9 | 1731.2 | 1839.7 | 1756.2 | 1663.2 | 1607.2 | 1561.9 | 1555.9 |
| 74° | 1396.2 | 1406.9 | 1443.9 | 1521.3 | 1719.3 | 1842.1 | 1753.8 | 1631.0 | 1542.8 | 1486.8 | 1486.8 |
| 75° | 1323.4 | 1337.7 | 1381.9 | 1465.3 | 1694.2 | 1829.0 | 1728.8 | 1579.8 | 1457.0 | 1391.4 | 1395.0 |
| 77.5° | 1020.6 | 1051.6 | 1099.3 | 1230.4 | 1520.2 | 1716.9 | 1536.8 | 1267.4 | 1070.7 | 972.9 | 970.5 |
| 80° | 290.9 | 333.8 | 442.3 | 734.4 | 1155.3 | 1367.5 | 1129.1 | 749.9 | 529.4 | 403.0 | 387.5 |
| 82.5° | 70.3 | 82.3 | 113.3 | 207.5 | 493.6 | 772.6 | 559.2 | 245.6 | 147.8 | 96.6 | 77.5 |
| 85° | 29.8 | 32.2 | 51.3 | 71.5 | 135.9 | 205.1 | 130.0 | 83.5 | 60.8 | 27.4 | 26.2 |
| 87.5° | 10.7 | 11.9 | 19.1 | 19.1 | 28.6 | 16.7 | 29.8 | 20.3 | 21.5 | 7.2 | 7.2 |
| 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)