

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: P226668

Luminaire Tested: **ISW-AF-450-LED-E1-T4W-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226668
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35944)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISW-AF-450-LED-E1-T4W-7050
Description: IMPACT ELITE LED WEDGE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV WIDE
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3139 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium - Semi-Cutoff
BUG Rating: B1 - U1 - G1

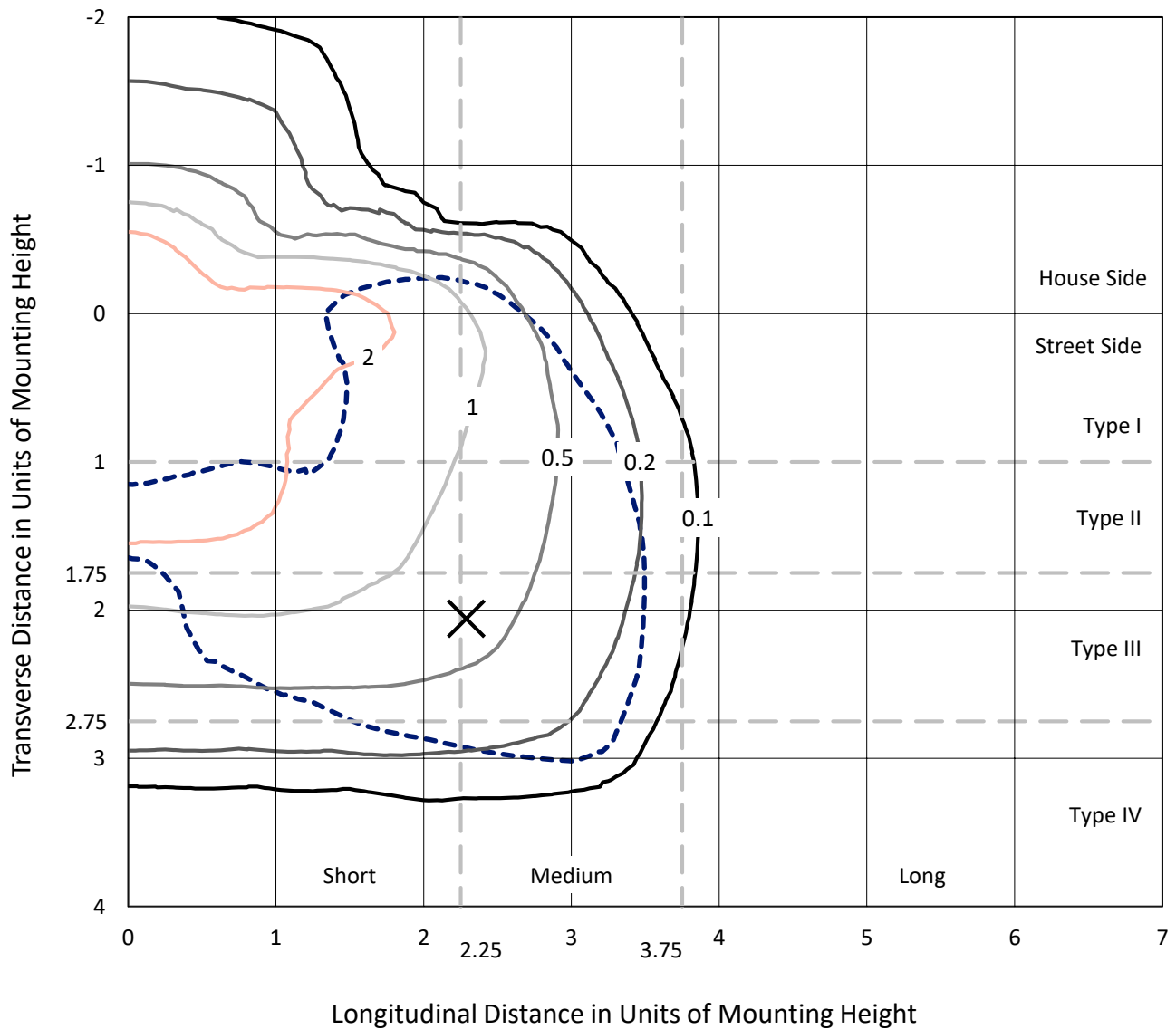
Input Watts (W): 25.31
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P226668
CATALOG NUMBER: ISW-AF-450-LED-E1-T4W-7050

Iso-Footcandle Lines of Horizontal Illumination

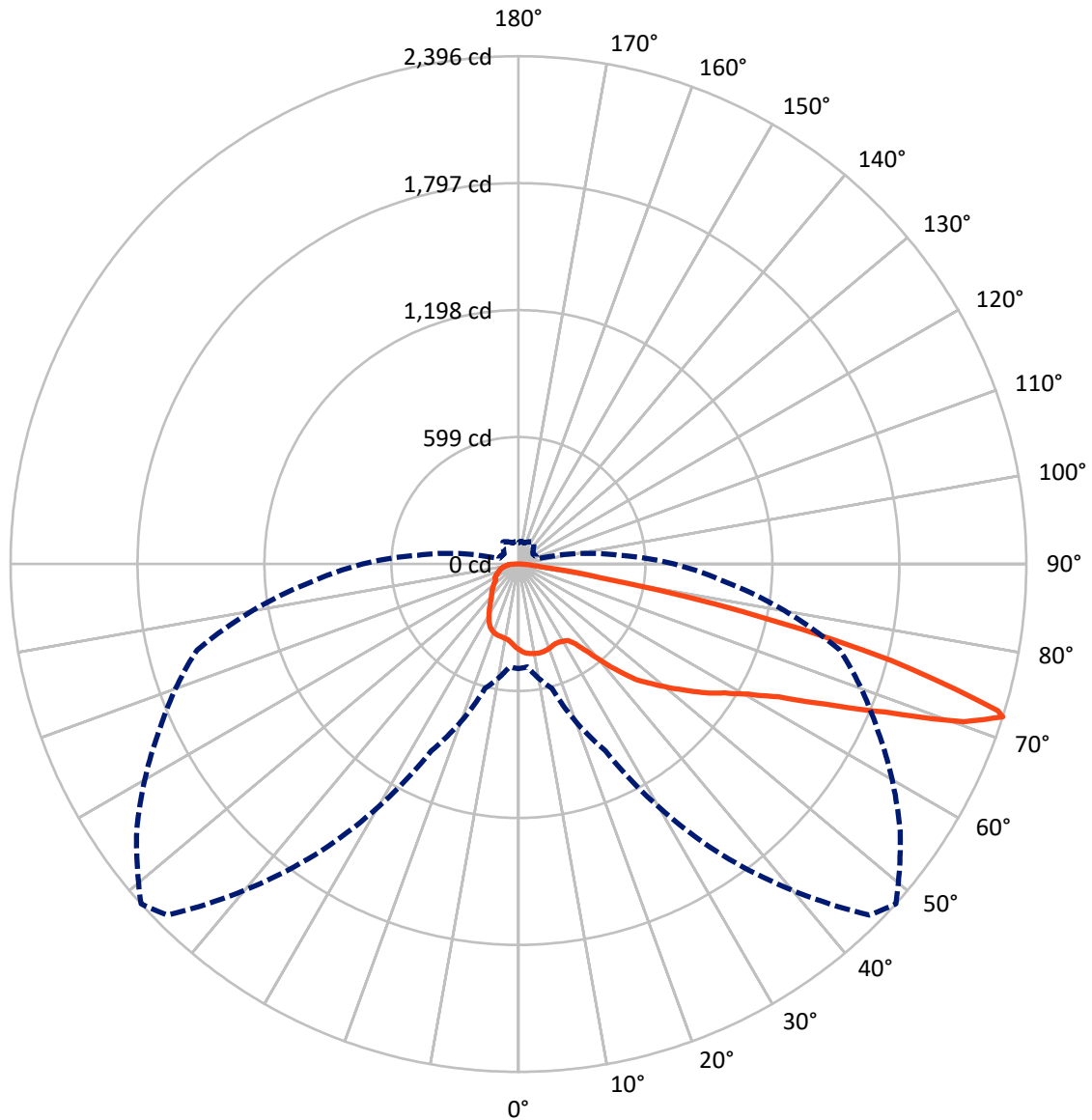
× Max cd
- - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
Type IV - Medium - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 681.8 | 1.4 | 683.2 |
| | % Fixture | 21.7 | 0.0 | 21.8 |
| Street Side | Lumens | 2455.3 | 0.5 | 2455.8 |
| | % Fixture | 78.2 | 0.0 | 78.2 |
| Total | Lumens | 3137.1 | 1.9 | 3139.0 |
| | % Fixture | 99.9 | 0.1 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 38.2 | 1.2 |
| 10°-20° | 111.5 | 3.6 |
| 20°-30° | 172.0 | 5.5 |
| 30°-40° | 257.8 | 8.2 |
| 40°-50° | 429.3 | 13.7 |
| 50°-60° | 670.8 | 21.4 |
| 60°-70° | 886.1 | 28.2 |
| 70°-80° | 512.6 | 16.3 |
| 80°-90° | 58.8 | 1.9 |
| 90°-100° | 1.9 | 0.1 |
| 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° | 3137.1 | 99.9 |
| 0°-180° | 3139.0 | 100.0 |



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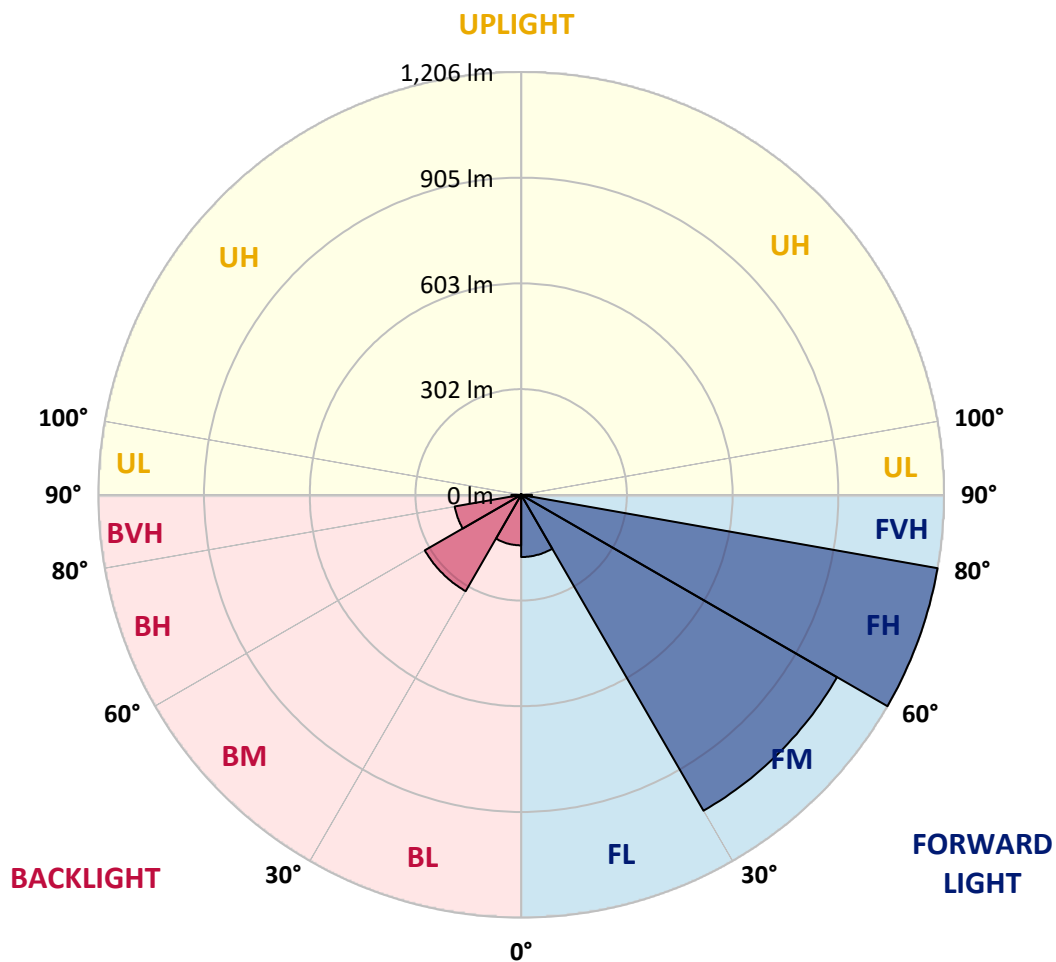
CATALOG NUMBER: ISW-AF-450-LED-E1-T4W-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|-------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 177.5 | 5.7 | | | |
| FM | (30°-60°) | 1040.7 | 33.2 | | | |
| FH | (60°-80°) | 1206.3 | 38.4 | | | G1/1800 |
| FVH | (80°-90°) | 30.8 | 1.0 | | | G1/100 |
| BL | (0°-30°) | 144.2 | 4.6 | B1/500 | | |
| BM | (30°-60°) | 317.2 | 10.1 | B1/1000 | | |
| BH | (60°-80°) | 192.4 | 6.1 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 27.9 | 0.9 | | | G1/100 |
| UL | (90°-100°) | 1.9 | 0.1 | | U1/10 | |
| UH | (100°-180°) | 1.4 | 0.0 | | U1/10 | |

BUG Rating: B1-U1-G1

Type IV Medium





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CATALOG NUMBER: ISW-AF-450-LED-E1-T4W-7050

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 48° | 55° | 65° | 75° | 85° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 403.8 | 403.8 | 403.8 | 403.8 | 403.8 | 403.8 | 403.8 | 403.8 | 403.8 | 403.8 | 403.8 |
| 2.5° | 425.2 | 424.8 | 424.8 | 421.1 | 419.8 | 417.5 | 415.7 | 412.9 | 410.2 | 407.0 | 402.9 |
| 5° | 445.7 | 447.1 | 445.2 | 439.8 | 433.0 | 425.7 | 422.9 | 416.6 | 407.9 | 400.2 | 392.9 |
| 7.5° | 465.3 | 465.7 | 460.7 | 451.6 | 441.1 | 429.8 | 426.1 | 417.5 | 407.9 | 397.4 | 387.0 |
| 10° | 479.4 | 479.8 | 472.6 | 459.8 | 445.7 | 433.0 | 428.9 | 420.2 | 408.4 | 397.0 | 383.8 |
| 12.5° | 487.6 | 488.0 | 477.1 | 463.9 | 447.1 | 434.3 | 430.7 | 421.6 | 409.3 | 394.7 | 380.1 |
| 15° | 486.2 | 487.6 | 478.5 | 463.9 | 446.2 | 434.8 | 430.2 | 422.5 | 407.0 | 392.4 | 377.0 |
| 17.5° | 477.1 | 478.9 | 471.7 | 455.7 | 441.6 | 432.5 | 427.5 | 419.8 | 404.7 | 389.2 | 372.4 |
| 20° | 459.4 | 461.6 | 458.4 | 443.0 | 433.4 | 426.1 | 422.9 | 415.7 | 401.5 | 385.6 | 368.3 |
| 22.5° | 439.3 | 441.6 | 440.7 | 427.9 | 423.4 | 419.8 | 416.6 | 411.1 | 398.8 | 382.9 | 366.5 |
| 25° | 424.8 | 426.6 | 425.2 | 414.3 | 415.7 | 415.7 | 413.8 | 409.7 | 398.4 | 383.8 | 366.5 |
| 27.5° | 448.9 | 448.9 | 437.1 | 414.7 | 412.5 | 416.6 | 415.7 | 413.4 | 404.3 | 388.3 | 370.1 |
| 30° | 537.2 | 530.4 | 509.0 | 453.0 | 424.3 | 422.5 | 422.0 | 420.7 | 412.5 | 398.4 | 381.5 |
| 32.5° | 636.0 | 629.2 | 603.7 | 533.6 | 473.9 | 434.8 | 430.7 | 431.1 | 428.9 | 415.7 | 398.8 |
| 35° | 723.9 | 723.0 | 702.9 | 626.9 | 550.9 | 478.0 | 461.6 | 450.7 | 449.8 | 444.3 | 431.1 |
| 37.5° | 794.9 | 794.9 | 796.7 | 710.2 | 634.2 | 546.8 | 519.0 | 484.4 | 484.4 | 481.2 | 473.0 |
| 40° | 875.9 | 879.6 | 883.7 | 785.8 | 723.4 | 628.7 | 597.3 | 544.9 | 529.0 | 534.0 | 535.8 |
| 42.5° | 982.5 | 987.0 | 984.3 | 879.1 | 804.9 | 726.6 | 687.9 | 624.6 | 585.5 | 593.7 | 612.8 |
| 45° | 1054.4 | 1056.2 | 1075.8 | 976.5 | 907.3 | 809.5 | 776.7 | 689.7 | 651.0 | 667.9 | 701.6 |
| 47.5° | 1135.9 | 1140.4 | 1143.6 | 1087.2 | 1027.5 | 903.2 | 843.1 | 753.0 | 728.0 | 753.5 | 806.7 |
| 50° | 1215.6 | 1209.6 | 1218.3 | 1216.0 | 1141.3 | 986.6 | 915.1 | 812.2 | 814.0 | 848.6 | 936.0 |
| 52.5° | 1284.8 | 1264.7 | 1284.8 | 1309.8 | 1287.9 | 1072.1 | 988.8 | 881.8 | 908.2 | 950.6 | 1088.5 |
| 55° | 1338.0 | 1289.8 | 1323.4 | 1394.5 | 1389.5 | 1147.7 | 1073.1 | 974.7 | 1018.9 | 1076.7 | 1273.8 |
| 57.5° | 1229.2 | 1235.1 | 1328.0 | 1451.4 | 1449.1 | 1224.2 | 1146.8 | 1090.8 | 1145.0 | 1209.6 | 1493.3 |
| 60° | 1127.7 | 1154.1 | 1297.5 | 1460.5 | 1490.5 | 1307.5 | 1246.1 | 1222.8 | 1272.9 | 1351.7 | 1703.6 |
| 62.5° | 1074.0 | 1099.0 | 1247.9 | 1443.6 | 1556.5 | 1430.9 | 1379.4 | 1361.7 | 1430.0 | 1518.3 | 1891.2 |
| 65° | 1090.8 | 1106.3 | 1244.7 | 1469.1 | 1632.6 | 1617.5 | 1595.2 | 1565.6 | 1599.8 | 1682.7 | 1975.8 |
| 67.5° | 1043.5 | 1069.0 | 1218.3 | 1514.2 | 1771.4 | 1845.2 | 1863.8 | 1832.0 | 1803.3 | 1791.9 | 1852.5 |
| 70° | 776.7 | 801.3 | 957.9 | 1328.0 | 1885.2 | 2240.3 | 2229.0 | 2122.4 | 1929.4 | 1768.2 | 1447.3 |
| 72° | 493.5 | 486.7 | 606.4 | 972.9 | 1675.8 | 2341.9 | 2395.6 | 2198.5 | 1872.0 | 1570.2 | 982.9 |
| 72.5° | 358.7 | 391.1 | 503.1 | 865.0 | 1592.1 | 2286.3 | 2364.6 | 2173.9 | 1796.9 | 1483.2 | 864.5 |
| 75° | 87.4 | 92.4 | 120.6 | 310.0 | 932.4 | 1720.4 | 1818.8 | 1679.5 | 1311.6 | 880.5 | 383.3 |
| 77.5° | 59.2 | 61.5 | 79.7 | 109.3 | 274.1 | 981.1 | 1079.4 | 927.4 | 586.8 | 299.6 | 170.7 |
| 80° | 44.2 | 45.5 | 57.8 | 77.4 | 113.8 | 334.6 | 394.7 | 313.7 | 146.1 | 166.2 | 121.6 |
| 82.5° | 31.0 | 31.9 | 43.7 | 56.9 | 75.6 | 78.3 | 104.3 | 115.2 | 94.7 | 108.8 | 71.0 |
| 85° | 21.4 | 21.4 | 31.9 | 39.2 | 47.8 | 38.7 | 41.4 | 57.8 | 64.2 | 64.6 | 43.2 |
| 87.5° | 11.4 | 12.7 | 18.7 | 25.0 | 25.0 | 17.8 | 19.6 | 29.6 | 36.0 | 38.7 | 25.9 |
| 90° | 4.1 | 4.1 | 7.7 | 9.6 | 5.9 | 4.6 | 4.1 | 5.9 | 8.6 | 12.3 | 8.2 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P226668

CATALOG NUMBER: ISW-AF-450-LED-E1-T4W-7050

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 48° | 55° | 65° | 75° | 85° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P226668

CATALOG NUMBER: ISW-AF-450-LED-E1-T4W-7050

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 403.8 | 403.8 | 403.8 | 403.8 | 403.8 | 403.8 | 403.8 | 403.8 | 403.8 | 403.8 | 403.8 |
| 2.5° | 402.0 | 399.3 | 395.6 | 393.8 | 392.9 | 391.1 | 389.2 | 388.3 | 388.3 | 386.5 | 387.0 |
| 5° | 389.2 | 385.2 | 380.1 | 376.5 | 376.0 | 376.0 | 377.0 | 377.0 | 377.4 | 376.0 | 377.9 |
| 7.5° | 382.9 | 378.3 | 371.0 | 366.9 | 363.8 | 363.3 | 365.1 | 368.8 | 370.6 | 369.2 | 371.0 |
| 10° | 378.3 | 373.3 | 365.1 | 360.1 | 357.8 | 356.9 | 358.3 | 361.9 | 367.9 | 367.9 | 369.7 |
| 12.5° | 373.8 | 367.4 | 359.2 | 355.6 | 353.7 | 354.2 | 356.0 | 358.7 | 365.1 | 367.4 | 368.3 |
| 15° | 369.2 | 361.9 | 355.1 | 350.1 | 350.1 | 351.5 | 353.7 | 356.9 | 362.8 | 366.9 | 367.9 |
| 17.5° | 364.7 | 357.4 | 351.5 | 347.4 | 347.4 | 349.2 | 351.5 | 355.6 | 359.7 | 365.6 | 365.6 |
| 20° | 360.6 | 354.6 | 346.9 | 343.3 | 342.8 | 344.2 | 346.9 | 351.0 | 354.2 | 360.1 | 360.6 |
| 22.5° | 358.3 | 351.0 | 343.7 | 338.3 | 336.0 | 335.1 | 337.8 | 341.9 | 345.1 | 351.0 | 351.9 |
| 25° | 357.4 | 349.2 | 340.1 | 330.1 | 324.1 | 322.3 | 323.7 | 328.7 | 331.4 | 336.0 | 337.3 |
| 27.5° | 360.6 | 352.8 | 338.7 | 320.5 | 308.2 | 303.2 | 304.6 | 307.8 | 308.7 | 313.7 | 316.0 |
| 30° | 371.5 | 362.4 | 341.4 | 310.5 | 288.2 | 279.1 | 279.1 | 279.5 | 280.9 | 285.0 | 285.4 |
| 32.5° | 389.2 | 380.6 | 349.6 | 300.0 | 267.7 | 254.9 | 251.8 | 249.5 | 249.5 | 249.0 | 249.5 |
| 35° | 422.0 | 414.7 | 363.8 | 288.2 | 245.4 | 231.3 | 223.5 | 219.4 | 215.3 | 213.5 | 213.1 |
| 37.5° | 469.4 | 463.0 | 383.8 | 274.5 | 225.8 | 211.7 | 202.1 | 193.9 | 189.4 | 188.9 | 191.2 |
| 40° | 539.9 | 533.6 | 406.1 | 259.0 | 207.1 | 196.7 | 186.7 | 178.0 | 173.0 | 173.5 | 175.7 |
| 42.5° | 626.9 | 607.3 | 430.2 | 238.1 | 192.1 | 186.7 | 175.7 | 168.4 | 163.4 | 160.7 | 160.3 |
| 45° | 728.4 | 695.6 | 453.0 | 218.5 | 175.7 | 178.0 | 167.5 | 159.3 | 153.0 | 145.7 | 144.8 |
| 47.5° | 855.0 | 784.0 | 473.0 | 198.9 | 158.0 | 168.9 | 158.9 | 151.1 | 141.6 | 132.9 | 131.6 |
| 50° | 987.0 | 885.5 | 490.3 | 178.0 | 142.0 | 158.9 | 150.2 | 139.8 | 126.6 | 118.8 | 118.8 |
| 52.5° | 1139.5 | 1007.5 | 512.6 | 154.8 | 129.7 | 148.0 | 139.3 | 125.7 | 114.7 | 113.8 | 113.8 |
| 55° | 1309.3 | 1135.4 | 528.1 | 136.6 | 120.2 | 136.1 | 132.0 | 127.9 | 124.3 | 125.2 | 125.7 |
| 57.5° | 1486.9 | 1268.8 | 514.4 | 123.8 | 112.4 | 133.4 | 145.2 | 139.8 | 128.4 | 127.9 | 127.5 |
| 60° | 1639.9 | 1372.6 | 438.9 | 115.6 | 106.5 | 137.9 | 155.7 | 139.8 | 128.4 | 134.3 | 134.8 |
| 62.5° | 1740.0 | 1421.8 | 292.3 | 105.2 | 97.9 | 130.2 | 152.1 | 135.7 | 128.8 | 145.7 | 147.0 |
| 65° | 1726.4 | 1366.7 | 168.0 | 97.9 | 92.4 | 119.7 | 147.0 | 130.7 | 120.2 | 129.7 | 127.0 |
| 67.5° | 1522.9 | 1145.4 | 121.6 | 94.7 | 88.3 | 112.4 | 137.9 | 123.4 | 112.0 | 123.8 | 118.8 |
| 70° | 1094.5 | 779.9 | 104.7 | 92.0 | 85.6 | 103.8 | 131.6 | 118.8 | 107.4 | 115.6 | 107.9 |
| 72° | 734.3 | 474.4 | 96.1 | 89.7 | 82.9 | 98.3 | 127.0 | 115.2 | 103.3 | 107.9 | 99.2 |
| 72.5° | 625.1 | 374.2 | 93.8 | 88.8 | 81.9 | 97.0 | 125.7 | 114.3 | 102.4 | 107.0 | 98.8 |
| 75° | 233.5 | 146.6 | 83.3 | 81.9 | 75.6 | 90.1 | 120.2 | 110.2 | 97.9 | 96.5 | 92.9 |
| 77.5° | 120.2 | 92.9 | 71.0 | 72.4 | 67.8 | 82.4 | 114.3 | 103.8 | 90.1 | 85.1 | 83.3 |
| 80° | 87.4 | 67.4 | 57.4 | 61.5 | 57.8 | 74.2 | 106.1 | 94.2 | 81.9 | 76.5 | 74.2 |
| 82.5° | 55.1 | 41.9 | 43.7 | 48.7 | 49.2 | 65.6 | 96.5 | 84.7 | 72.8 | 68.3 | 64.6 |
| 85° | 26.4 | 25.0 | 31.0 | 36.0 | 39.6 | 55.5 | 88.3 | 75.1 | 63.7 | 54.6 | 55.1 |
| 87.5° | 14.1 | 19.1 | 18.7 | 24.1 | 30.5 | 45.5 | 78.3 | 61.5 | 51.0 | 41.0 | 41.4 |
| 90° | 3.2 | 5.0 | 5.5 | 9.6 | 12.3 | 19.6 | 50.5 | 35.1 | 34.1 | 14.6 | 12.7 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P226668

CATALOG NUMBER: ISW-AF-450-LED-E1-T4W-7050

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|-----|------|------|------|------|------|------|------|------|------|
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 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)