

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: P226628

Luminaire Tested: **ISW-AF-600-LED-E1-T4W-7050-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35944)-DOWNLIGHT AND
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISW-AF-600-LED-E1-T4W-7050-ULG
Description: IMPACT ELITE LED WEDGE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV WIDE, WITH UPLIGHT GLOW
Light Source: (16) 5000K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5833.7 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U5 - G1

Input Watts (W): 50.4
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

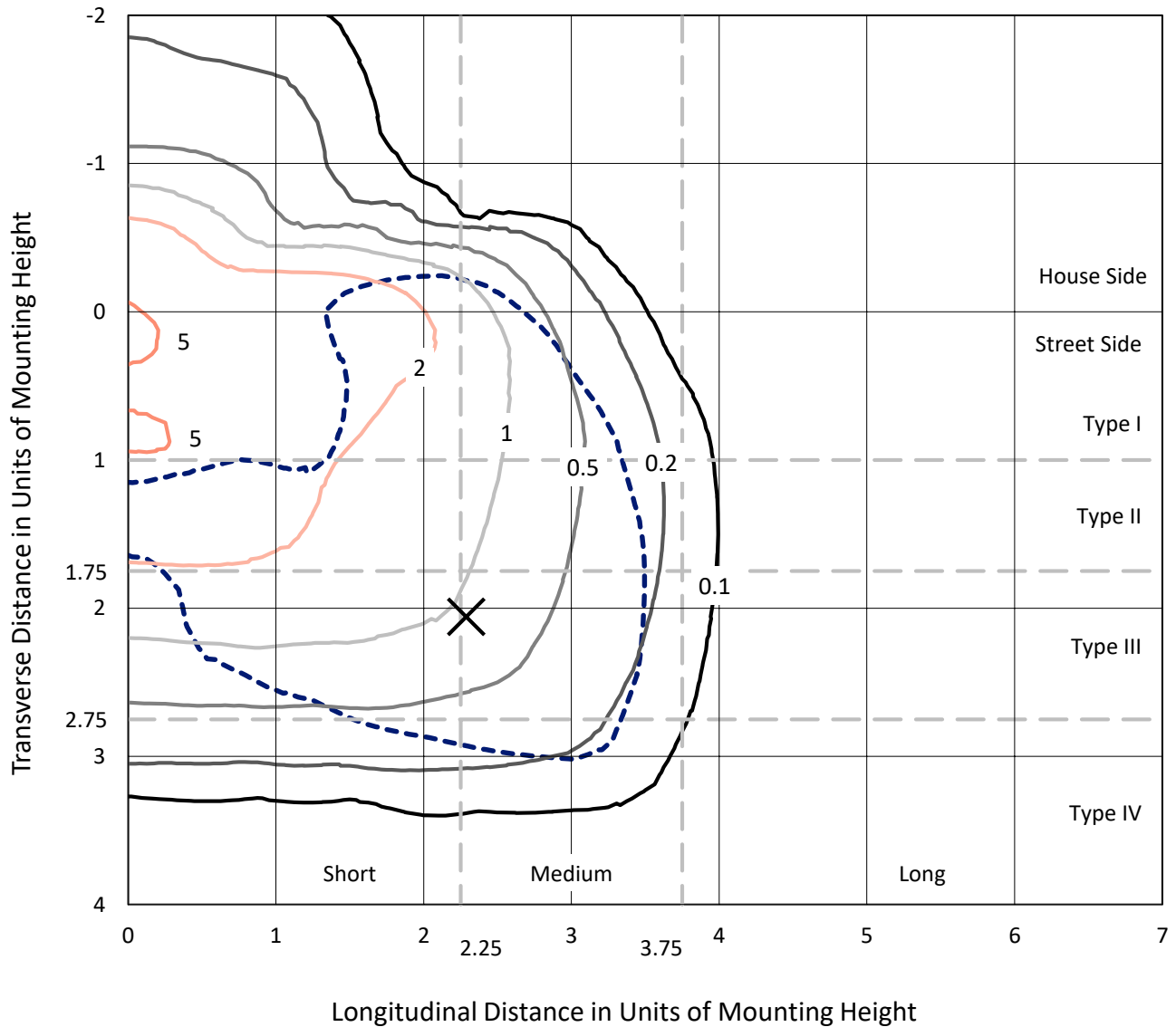


REPORT NUMBER: P226628

CATALOG NUMBER: ISW-AF-600-LED-E1-T4W-7050-ULG

Iso-Footcandle Lines of Horizontal Illumination

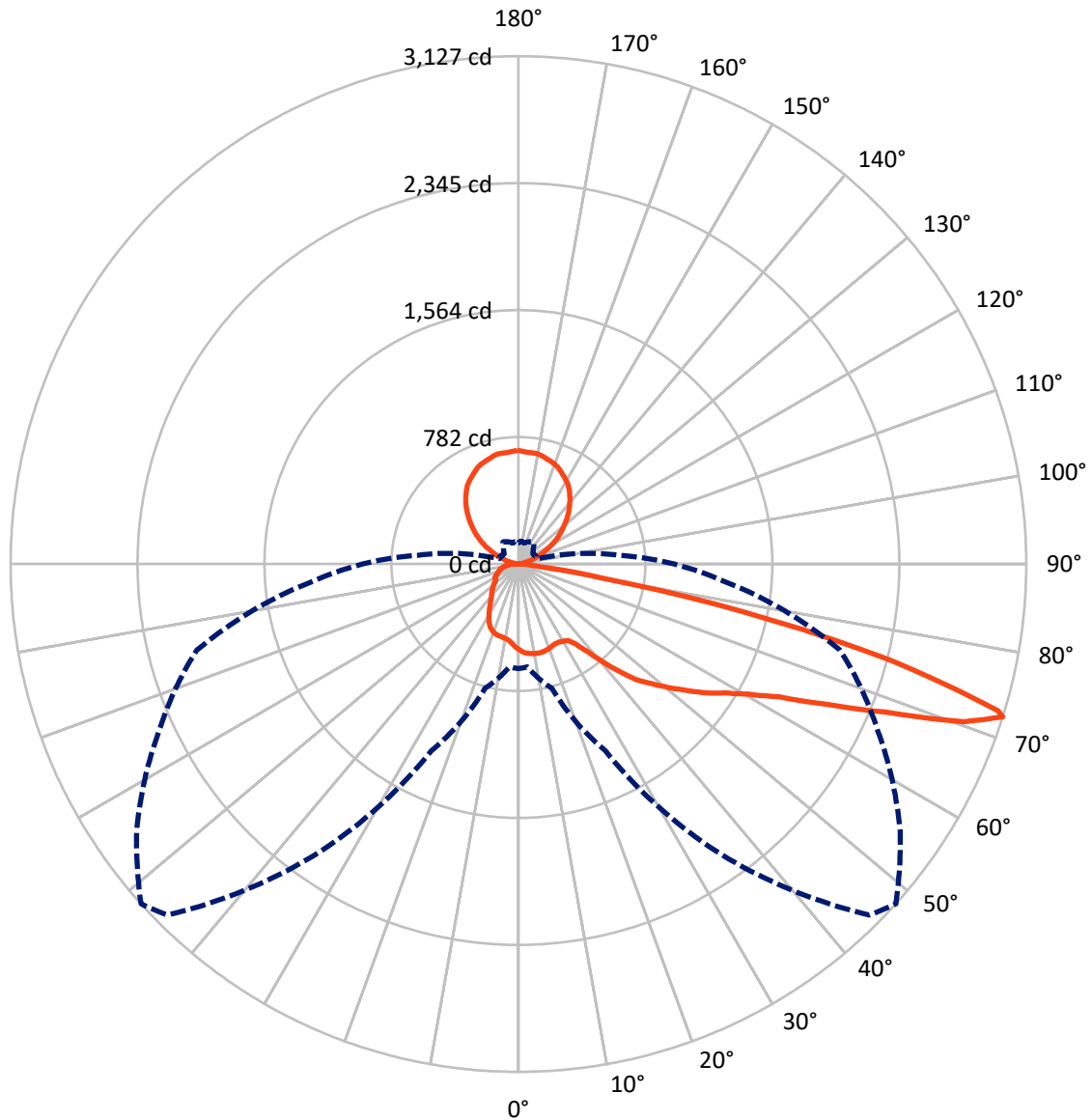
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P226628
CATALOG NUMBER: ISW-AF-600-LED-E1-T4W-7050-ULG

Luminous Intensity Polar Plot



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

REPORT NUMBER: P226628

CATALOG NUMBER: ISW-AF-600-LED-E1-T4W-7050-ULG

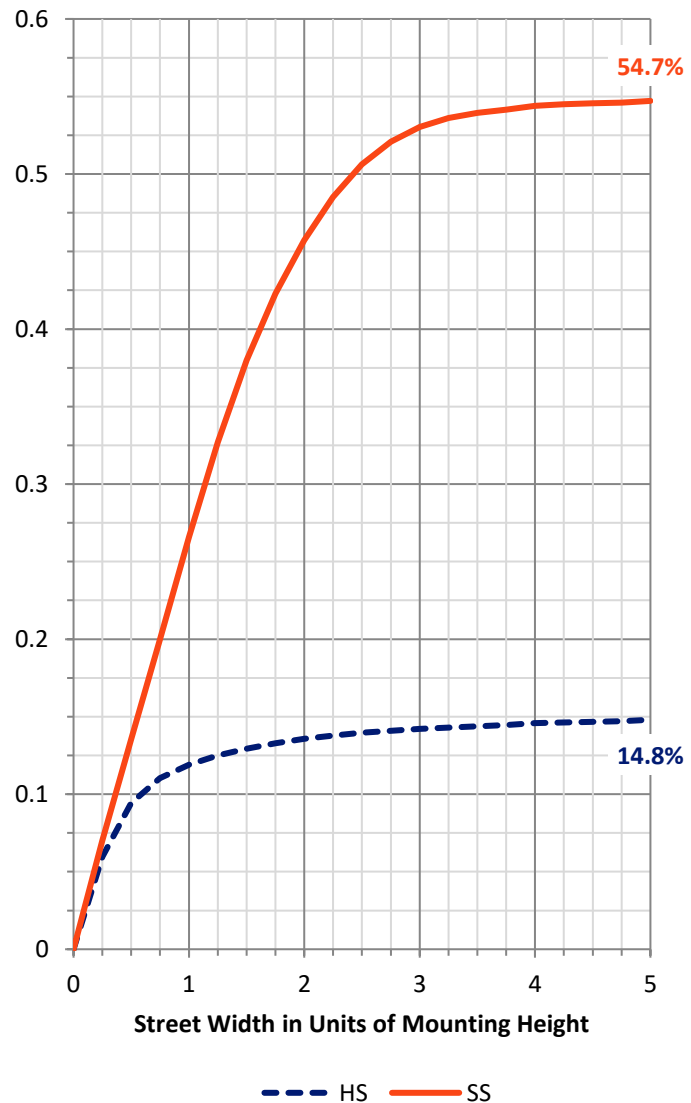
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 890.5 | 869.4 | 1759.9 |
| | % Fixture | 15.3 | 14.9 | 30.2 |
| Street Side | Lumens | 3205.6 | 868.2 | 4073.8 |
| | % Fixture | 54.9 | 14.9 | 69.8 |
| Total | Lumens | 4096.0 | 1737.6 | 5833.7 |
| | % Fixture | 70.2 | 29.8 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 49.8 | 0.9 |
| 10°-20° | 145.6 | 2.5 |
| 20°-30° | 224.5 | 3.8 |
| 30°-40° | 336.5 | 5.8 |
| 40°-50° | 560.4 | 9.6 |
| 50°-60° | 875.7 | 15.0 |
| 60°-70° | 1156.7 | 19.8 |
| 70°-80° | 669.1 | 11.5 |
| 80°-90° | 77.7 | 1.3 |
| 90°-100° | 11.8 | 0.2 |
| 100°-110° | 57.4 | 1.0 |
| 110°-120° | 166.1 | 2.8 |
| 120°-130° | 273.2 | 4.7 |
| 130°-140° | 336.8 | 5.8 |
| 140°-150° | 344.6 | 5.9 |
| 150°-160° | 290.3 | 5.0 |
| 160°-170° | 191.2 | 3.3 |
| 170°-180° | 66.3 | 1.1 |
| 0°-90° | 4096.0 | 70.2 |
| 0°-180° | 5833.7 | 100.0 |



REPORT NUMBER: P226628

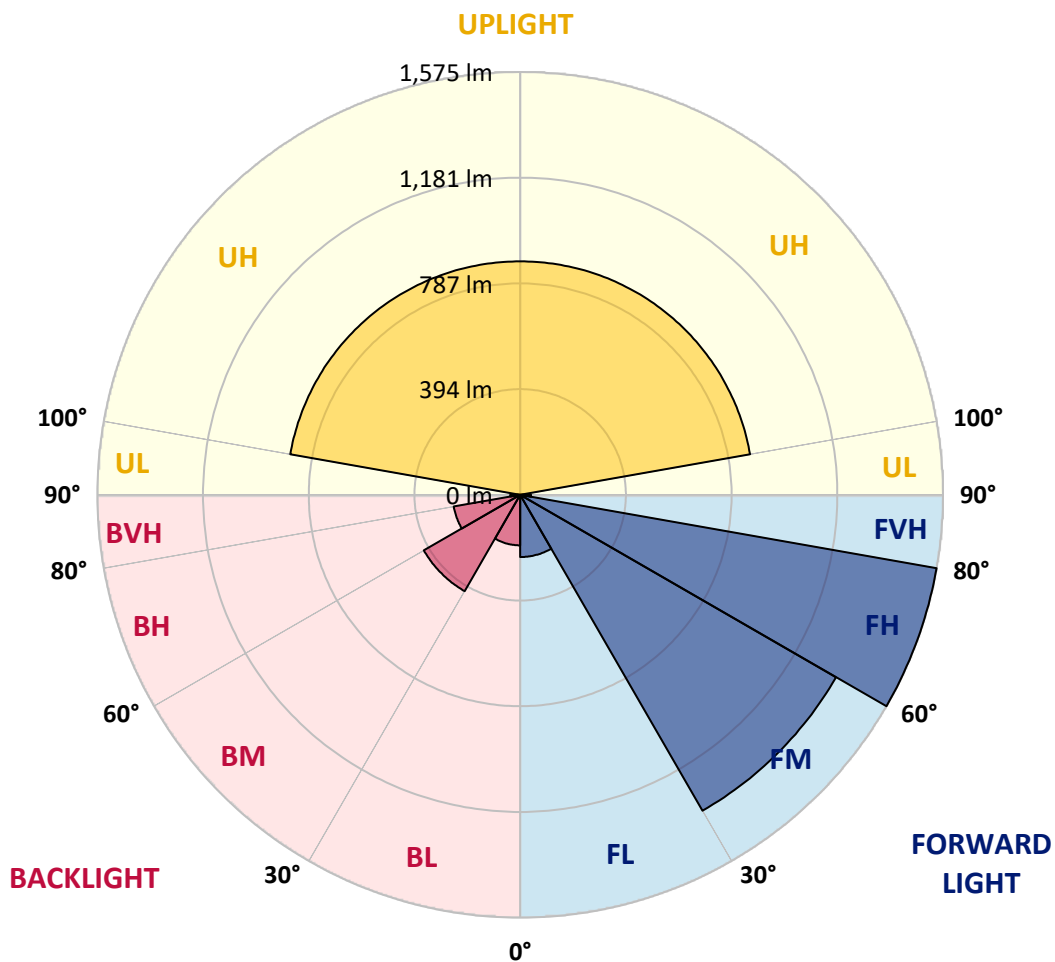
CATALOG NUMBER: ISW-AF-600-LED-E1-T4W-7050-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|---------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 231.7 | 4.0 | | | |
| FM | (30°-60°) | 1358.4 | 23.3 | | | |
| FH | (60°-80°) | 1574.7 | 27.0 | | | G1/1800 |
| FVH | (80°-90°) | 40.8 | 0.7 | | | G1/100 |
| BL | (0°-30°) | 188.3 | 3.2 | B1/500 | | |
| BM | (30°-60°) | 414.1 | 7.1 | B1/1000 | | |
| BH | (60°-80°) | 251.1 | 4.3 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 37.0 | 0.6 | | | G1/100 |
| UL | (90°-100°) | 11.8 | 0.2 | | U2/50 | |
| UH | (100°-180°) | 869.4 | 14.9 | | U4/1000 | |

BUG Rating: B1-U5-G1

Type IV Medium





REPORT NUMBER: P226628

CATALOG NUMBER: ISW-AF-600-LED-E1-T4W-7050-ULG

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 48° | 55° | 65° | 75° | 85° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 |
| 2.5° | 555.1 | 554.5 | 554.5 | 549.7 | 547.9 | 545.0 | 542.6 | 539.0 | 535.4 | 531.3 | 525.9 |
| 5° | 581.8 | 583.6 | 581.2 | 574.1 | 565.2 | 555.6 | 552.1 | 543.8 | 532.5 | 522.4 | 512.9 |
| 7.5° | 607.4 | 607.9 | 601.4 | 589.5 | 575.9 | 561.0 | 556.2 | 545.0 | 532.5 | 518.8 | 505.1 |
| 10° | 625.8 | 626.4 | 616.9 | 600.2 | 581.8 | 565.2 | 559.8 | 548.5 | 533.1 | 518.2 | 501.0 |
| 12.5° | 636.5 | 637.1 | 622.8 | 605.6 | 583.6 | 566.9 | 562.2 | 550.3 | 534.3 | 515.2 | 496.2 |
| 15° | 634.7 | 636.5 | 624.6 | 605.6 | 582.4 | 567.5 | 561.6 | 551.5 | 531.3 | 512.3 | 492.1 |
| 17.5° | 622.8 | 625.2 | 615.7 | 594.9 | 576.4 | 564.6 | 558.0 | 547.9 | 528.3 | 508.1 | 486.1 |
| 20° | 599.6 | 602.6 | 598.4 | 578.2 | 565.8 | 556.2 | 552.1 | 542.6 | 524.2 | 503.4 | 480.8 |
| 22.5° | 573.5 | 576.4 | 575.3 | 558.6 | 552.7 | 547.9 | 543.8 | 536.6 | 520.6 | 499.8 | 478.4 |
| 25° | 554.5 | 556.8 | 555.1 | 540.8 | 542.6 | 542.6 | 540.2 | 534.8 | 520.0 | 501.0 | 478.4 |
| 27.5° | 586.0 | 586.0 | 570.5 | 541.4 | 538.4 | 543.8 | 542.6 | 539.6 | 527.7 | 506.9 | 483.1 |
| 30° | 701.2 | 692.3 | 664.4 | 591.3 | 553.9 | 551.5 | 550.9 | 549.1 | 538.4 | 520.0 | 498.0 |
| 32.5° | 830.2 | 821.3 | 788.0 | 696.5 | 618.6 | 567.5 | 562.2 | 562.8 | 559.8 | 542.6 | 520.6 |
| 35° | 944.9 | 943.7 | 917.6 | 818.3 | 719.1 | 624.0 | 602.6 | 588.3 | 587.1 | 580.0 | 562.8 |
| 37.5° | 1037.6 | 1037.6 | 1040.0 | 927.1 | 827.8 | 713.7 | 677.5 | 632.3 | 632.3 | 628.2 | 617.5 |
| 40° | 1143.4 | 1148.1 | 1153.5 | 1025.7 | 944.3 | 820.7 | 779.7 | 711.3 | 690.5 | 697.1 | 699.5 |
| 42.5° | 1282.4 | 1288.4 | 1284.8 | 1147.5 | 1050.7 | 948.5 | 898.0 | 815.3 | 764.2 | 774.9 | 799.9 |
| 45° | 1376.3 | 1378.7 | 1404.3 | 1274.7 | 1184.4 | 1056.6 | 1013.8 | 900.3 | 849.8 | 871.8 | 915.8 |
| 47.5° | 1482.7 | 1488.7 | 1492.8 | 1419.1 | 1341.3 | 1179.0 | 1100.6 | 982.9 | 950.2 | 983.5 | 1053.1 |
| 50° | 1586.7 | 1579.0 | 1590.3 | 1587.3 | 1489.9 | 1287.8 | 1194.5 | 1060.2 | 1062.6 | 1107.7 | 1221.8 |
| 52.5° | 1677.0 | 1650.9 | 1677.0 | 1709.7 | 1681.2 | 1399.5 | 1290.8 | 1151.1 | 1185.6 | 1240.8 | 1420.9 |
| 55° | 1746.6 | 1683.6 | 1727.6 | 1820.3 | 1813.7 | 1498.2 | 1400.7 | 1272.3 | 1330.0 | 1405.5 | 1662.8 |
| 57.5° | 1604.5 | 1612.3 | 1733.5 | 1894.6 | 1891.6 | 1598.0 | 1497.0 | 1423.9 | 1494.6 | 1579.0 | 1949.2 |
| 60° | 1472.0 | 1506.5 | 1693.7 | 1906.4 | 1945.7 | 1706.8 | 1626.5 | 1596.2 | 1661.6 | 1764.4 | 2223.8 |
| 62.5° | 1401.9 | 1434.6 | 1628.9 | 1884.5 | 2031.8 | 1867.8 | 1800.7 | 1777.5 | 1866.6 | 1981.9 | 2468.6 |
| 65° | 1423.9 | 1444.1 | 1624.8 | 1917.7 | 2131.1 | 2111.5 | 2082.3 | 2043.7 | 2088.3 | 2196.4 | 2579.2 |
| 67.5° | 1362.1 | 1395.4 | 1590.3 | 1976.6 | 2312.3 | 2408.6 | 2433.0 | 2391.4 | 2353.9 | 2339.1 | 2418.1 |
| 70° | 1013.8 | 1045.9 | 1250.4 | 1733.5 | 2460.9 | 2924.4 | 2909.6 | 2770.5 | 2518.5 | 2308.2 | 1889.2 |
| 72° | 644.2 | 635.3 | 791.6 | 1270.0 | 2187.5 | 3057.0 | 3127.1 | 2869.8 | 2443.7 | 2049.7 | 1283.0 |
| 72.5° | 468.3 | 510.5 | 656.7 | 1129.1 | 2078.2 | 2984.5 | 3086.7 | 2837.7 | 2345.6 | 1936.2 | 1128.5 |
| 75° | 114.1 | 120.6 | 157.5 | 404.7 | 1217.1 | 2245.8 | 2374.1 | 2192.3 | 1712.1 | 1149.3 | 500.4 |
| 77.5° | 77.3 | 80.2 | 104.0 | 142.6 | 357.8 | 1280.7 | 1409.0 | 1210.5 | 766.0 | 391.0 | 222.9 |
| 80° | 57.6 | 59.4 | 75.5 | 101.0 | 148.6 | 436.8 | 515.2 | 409.5 | 190.8 | 216.9 | 158.7 |
| 82.5° | 40.4 | 41.6 | 57.1 | 74.3 | 98.6 | 102.2 | 136.1 | 150.4 | 123.6 | 142.0 | 92.7 |
| 85° | 27.9 | 27.9 | 41.6 | 51.1 | 62.4 | 50.5 | 54.1 | 75.5 | 83.8 | 84.4 | 56.5 |
| 87.5° | 14.9 | 16.6 | 24.4 | 32.7 | 32.7 | 23.2 | 25.6 | 38.6 | 46.9 | 50.5 | 33.9 |
| 90° | 10.3 | 10.3 | 17.1 | 20.5 | 15.7 | 12.9 | 12.3 | 14.7 | 20.3 | 25.0 | 17.7 |
| 92.5° | 4.0 | 4.0 | 5.0 | 6.0 | 6.0 | 6.0 | 6.3 | 7.0 | 7.0 | 6.0 | 6.0 |
| 95° | 5.0 | 5.0 | 6.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 8.0 | 7.0 | 7.0 |
| 97.5° | 7.0 | 7.0 | 8.0 | 8.0 | 9.0 | 9.0 | 9.9 | 12.0 | 10.0 | 9.0 | 8.0 |
| 100° | 8.0 | 8.0 | 9.0 | 10.0 | 12.0 | 21.0 | 23.4 | 29.0 | 26.0 | 23.0 | 19.0 |
| 102.5° | 11.0 | 11.0 | 13.0 | 18.0 | 27.0 | 40.0 | 43.0 | 50.0 | 47.0 | 42.0 | 39.0 |
| 105° | 21.0 | 22.0 | 27.0 | 36.0 | 48.0 | 63.0 | 65.7 | 72.0 | 70.0 | 65.0 | 61.0 |
| 107.5° | 41.0 | 42.0 | 49.0 | 58.0 | 73.0 | 88.0 | 90.1 | 95.0 | 94.0 | 90.0 | 87.0 |



REPORT NUMBER: P226628

CATALOG NUMBER: ISW-AF-600-LED-E1-T4W-7050-ULG

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 48° | 55° | 65° | 75° | 85° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 66.0 | 68.0 | 74.0 | 87.0 | 102.0 | 114.0 | 115.8 | 120.0 | 121.0 | 119.0 | 116.0 |
| 112.5° | 99.0 | 99.0 | 106.0 | 121.0 | 134.0 | 143.0 | 144.5 | 148.0 | 150.0 | 149.0 | 147.0 |
| 115° | 140.0 | 139.0 | 147.0 | 159.0 | 168.0 | 174.0 | 175.5 | 179.0 | 182.0 | 179.0 | 177.0 |
| 117.5° | 184.0 | 184.0 | 189.0 | 197.0 | 202.0 | 205.0 | 206.8 | 211.0 | 215.0 | 210.0 | 208.0 |
| 120° | 225.0 | 223.0 | 226.0 | 233.0 | 237.0 | 243.0 | 243.9 | 246.0 | 250.0 | 245.0 | 243.0 |
| 122.5° | 263.0 | 260.0 | 261.0 | 267.0 | 271.0 | 277.0 | 277.6 | 279.0 | 283.0 | 278.0 | 276.0 |
| 125° | 298.0 | 294.0 | 296.0 | 299.0 | 305.0 | 310.0 | 310.9 | 313.0 | 315.0 | 310.0 | 310.0 |
| 127.5° | 330.0 | 329.0 | 329.0 | 333.0 | 339.0 | 340.0 | 341.5 | 345.0 | 346.0 | 346.0 | 345.0 |
| 130° | 363.0 | 361.0 | 362.0 | 366.0 | 370.0 | 372.0 | 373.5 | 377.0 | 381.0 | 381.0 | 379.0 |
| 132.5° | 396.0 | 394.0 | 393.0 | 401.0 | 404.0 | 405.0 | 406.8 | 411.0 | 416.0 | 414.0 | 414.0 |
| 135° | 429.0 | 426.0 | 426.0 | 432.0 | 435.0 | 437.0 | 438.8 | 443.0 | 448.0 | 447.0 | 450.0 |
| 137.5° | 460.0 | 457.0 | 459.0 | 460.0 | 464.0 | 468.0 | 469.5 | 473.0 | 475.0 | 476.0 | 481.0 |
| 140° | 488.0 | 485.0 | 487.0 | 489.0 | 491.0 | 497.0 | 497.9 | 500.0 | 502.0 | 504.0 | 509.0 |
| 142.5° | 518.0 | 515.0 | 517.0 | 518.0 | 521.0 | 525.0 | 525.6 | 527.0 | 533.0 | 533.0 | 534.0 |
| 145° | 550.0 | 546.0 | 544.0 | 547.0 | 550.0 | 551.0 | 552.5 | 556.0 | 562.0 | 561.0 | 558.0 |
| 147.5° | 575.0 | 572.0 | 571.0 | 574.0 | 574.0 | 575.0 | 576.5 | 580.0 | 585.0 | 586.0 | 583.0 |
| 150° | 595.0 | 592.0 | 593.0 | 593.0 | 593.0 | 593.0 | 594.2 | 597.0 | 600.0 | 603.0 | 606.0 |
| 152.5° | 611.0 | 608.0 | 608.0 | 609.0 | 610.0 | 610.0 | 610.3 | 611.0 | 614.0 | 618.0 | 623.0 |
| 155° | 629.0 | 625.0 | 625.0 | 627.0 | 630.0 | 628.0 | 627.4 | 626.0 | 631.0 | 636.0 | 638.0 |
| 157.5° | 646.0 | 643.0 | 643.0 | 644.0 | 646.0 | 645.0 | 644.7 | 644.0 | 648.0 | 650.0 | 650.0 |
| 160° | 663.0 | 660.0 | 659.0 | 656.0 | 655.0 | 655.0 | 655.9 | 658.0 | 664.0 | 661.0 | 660.0 |
| 162.5° | 673.0 | 669.0 | 669.0 | 665.0 | 661.0 | 663.0 | 664.2 | 667.0 | 671.0 | 670.0 | 668.0 |
| 165° | 681.0 | 678.0 | 676.0 | 676.0 | 673.0 | 673.0 | 672.7 | 672.0 | 677.0 | 680.0 | 678.0 |
| 167.5° | 690.0 | 687.0 | 684.0 | 686.0 | 688.0 | 685.0 | 682.9 | 678.0 | 684.0 | 688.0 | 688.0 |
| 170° | 698.0 | 695.0 | 692.0 | 692.0 | 693.0 | 691.0 | 689.5 | 686.0 | 689.0 | 694.0 | 696.0 |
| 172.5° | 699.0 | 697.0 | 695.0 | 693.0 | 690.0 | 690.0 | 689.7 | 689.0 | 692.0 | 694.0 | 696.0 |
| 175° | 700.0 | 698.0 | 697.0 | 695.0 | 691.0 | 690.0 | 690.0 | 690.0 | 695.0 | 696.0 | 694.0 |
| 177.5° | 707.0 | 705.0 | 700.0 | 699.0 | 697.0 | 695.0 | 694.7 | 694.0 | 699.0 | 701.0 | 698.0 |
| 180° | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 |



REPORT NUMBER: P226628

CATALOG NUMBER: ISW-AF-600-LED-E1-T4W-7050-ULG

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 | 527.1 |
| 2.5° | 524.7 | 521.2 | 516.4 | 514.0 | 512.9 | 510.5 | 508.1 | 506.9 | 506.9 | 504.5 | 505.1 |
| 5° | 508.1 | 502.8 | 496.2 | 491.5 | 490.9 | 490.9 | 492.1 | 492.1 | 492.7 | 490.9 | 493.2 |
| 7.5° | 499.8 | 493.8 | 484.3 | 479.0 | 474.8 | 474.2 | 476.6 | 481.4 | 483.7 | 482.0 | 484.3 |
| 10° | 493.8 | 487.3 | 476.6 | 470.1 | 467.1 | 465.9 | 467.7 | 472.5 | 480.2 | 480.2 | 482.6 |
| 12.5° | 487.9 | 479.6 | 468.9 | 464.1 | 461.8 | 462.3 | 464.7 | 468.3 | 476.6 | 479.6 | 480.8 |
| 15° | 482.0 | 472.5 | 463.5 | 457.0 | 457.0 | 458.8 | 461.8 | 465.9 | 473.6 | 479.0 | 480.2 |
| 17.5° | 476.0 | 466.5 | 458.8 | 453.4 | 453.4 | 455.8 | 458.8 | 464.1 | 469.5 | 477.2 | 477.2 |
| 20° | 470.7 | 462.9 | 452.8 | 448.1 | 447.5 | 449.3 | 452.8 | 458.2 | 462.3 | 470.1 | 470.7 |
| 22.5° | 467.7 | 458.2 | 448.7 | 441.5 | 438.6 | 437.4 | 441.0 | 446.3 | 450.5 | 458.2 | 459.4 |
| 25° | 466.5 | 455.8 | 443.9 | 430.9 | 423.1 | 420.7 | 422.5 | 429.1 | 432.6 | 438.6 | 440.4 |
| 27.5° | 470.7 | 460.6 | 442.1 | 418.4 | 402.3 | 395.8 | 397.6 | 401.7 | 402.9 | 409.5 | 412.4 |
| 30° | 484.9 | 473.0 | 445.7 | 405.3 | 376.2 | 364.3 | 364.3 | 364.9 | 366.7 | 372.0 | 372.6 |
| 32.5° | 508.1 | 496.8 | 456.4 | 391.6 | 349.4 | 332.8 | 328.6 | 325.7 | 325.7 | 325.1 | 325.7 |
| 35° | 550.9 | 541.4 | 474.8 | 376.2 | 320.3 | 301.9 | 291.8 | 286.4 | 281.1 | 278.7 | 278.1 |
| 37.5° | 612.7 | 604.4 | 501.0 | 358.3 | 294.8 | 276.3 | 263.9 | 253.2 | 247.2 | 246.6 | 249.6 |
| 40° | 704.8 | 696.5 | 530.1 | 338.1 | 270.4 | 256.7 | 243.7 | 232.4 | 225.8 | 226.4 | 229.4 |
| 42.5° | 818.3 | 792.8 | 561.6 | 310.8 | 250.8 | 243.7 | 229.4 | 219.9 | 213.3 | 209.8 | 209.2 |
| 45° | 950.8 | 908.1 | 591.3 | 285.3 | 229.4 | 232.4 | 218.7 | 208.0 | 199.7 | 190.2 | 189.0 |
| 47.5° | 1116.1 | 1023.3 | 617.5 | 259.7 | 206.2 | 220.5 | 207.4 | 197.3 | 184.8 | 173.5 | 171.7 |
| 50° | 1288.4 | 1155.9 | 640.0 | 232.4 | 185.4 | 207.4 | 196.1 | 182.4 | 165.2 | 155.1 | 155.1 |
| 52.5° | 1487.5 | 1315.1 | 669.2 | 202.1 | 169.4 | 193.1 | 181.8 | 164.0 | 149.8 | 148.6 | 148.6 |
| 55° | 1709.1 | 1482.1 | 689.4 | 178.3 | 156.9 | 177.7 | 172.3 | 167.0 | 162.2 | 163.4 | 164.0 |
| 57.5° | 1940.9 | 1656.2 | 671.5 | 161.6 | 146.8 | 174.1 | 189.6 | 182.4 | 167.6 | 167.0 | 166.4 |
| 60° | 2140.6 | 1791.7 | 572.9 | 150.9 | 139.1 | 180.1 | 203.2 | 182.4 | 167.6 | 175.3 | 175.9 |
| 62.5° | 2271.3 | 1855.9 | 381.5 | 137.3 | 127.8 | 170.0 | 198.5 | 177.1 | 168.2 | 190.2 | 192.0 |
| 65° | 2253.5 | 1784.0 | 219.3 | 127.8 | 120.6 | 156.3 | 192.0 | 170.6 | 156.9 | 169.4 | 165.8 |
| 67.5° | 1987.9 | 1495.2 | 158.7 | 123.6 | 115.3 | 146.8 | 180.1 | 161.0 | 146.2 | 161.6 | 155.1 |
| 70° | 1428.6 | 1018.0 | 136.7 | 120.0 | 111.7 | 135.5 | 171.7 | 155.1 | 140.2 | 150.9 | 140.8 |
| 72° | 958.6 | 619.2 | 125.4 | 117.1 | 108.2 | 128.4 | 165.8 | 150.4 | 134.9 | 140.8 | 129.6 |
| 72.5° | 815.9 | 488.5 | 122.4 | 115.9 | 107.0 | 126.6 | 164.0 | 149.2 | 133.7 | 139.7 | 129.0 |
| 75° | 304.9 | 191.4 | 108.8 | 107.0 | 98.6 | 117.7 | 156.9 | 143.8 | 127.8 | 126.0 | 121.2 |
| 77.5° | 156.9 | 121.2 | 92.7 | 94.5 | 88.5 | 107.6 | 149.2 | 135.5 | 117.7 | 111.1 | 108.8 |
| 80° | 114.1 | 88.0 | 74.9 | 80.2 | 75.5 | 96.9 | 138.5 | 123.0 | 107.0 | 99.8 | 96.9 |
| 82.5° | 71.9 | 54.7 | 57.1 | 63.6 | 64.2 | 85.6 | 126.0 | 110.5 | 95.1 | 89.1 | 84.4 |
| 85° | 34.5 | 32.7 | 40.4 | 46.9 | 51.7 | 72.5 | 115.3 | 98.1 | 83.2 | 71.3 | 71.9 |
| 87.5° | 18.4 | 25.0 | 24.4 | 31.5 | 39.8 | 59.4 | 102.2 | 80.2 | 66.6 | 53.5 | 54.1 |
| 90° | 11.2 | 13.5 | 16.1 | 21.5 | 23.0 | 32.6 | 74.0 | 53.8 | 51.6 | 24.0 | 21.6 |
| 92.5° | 6.0 | 6.0 | 6.0 | 7.0 | 7.0 | 6.0 | 6.0 | 6.0 | 5.0 | 4.0 | 4.0 |
| 95° | 7.0 | 7.0 | 7.0 | 8.0 | 7.0 | 7.0 | 7.0 | 7.0 | 6.0 | 5.0 | 5.0 |
| 97.5° | 8.0 | 8.0 | 9.0 | 10.0 | 12.0 | 9.0 | 9.0 | 8.0 | 8.0 | 7.0 | 7.0 |
| 100° | 19.0 | 19.0 | 23.0 | 26.0 | 29.0 | 21.0 | 12.0 | 10.0 | 9.0 | 8.0 | 8.0 |
| 102.5° | 38.0 | 39.0 | 42.0 | 47.0 | 50.0 | 40.0 | 27.0 | 18.0 | 13.0 | 11.0 | 11.0 |
| 105° | 61.0 | 61.0 | 65.0 | 70.0 | 72.0 | 63.0 | 48.0 | 36.0 | 27.0 | 22.0 | 21.0 |
| 107.5° | 86.0 | 87.0 | 90.0 | 94.0 | 95.0 | 88.0 | 73.0 | 58.0 | 49.0 | 42.0 | 41.0 |



REPORT NUMBER: P226628

CATALOG NUMBER: ISW-AF-600-LED-E1-T4W-7050-ULG

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 117.0 | 116.0 | 119.0 | 121.0 | 120.0 | 114.0 | 102.0 | 87.0 | 74.0 | 68.0 | 66.0 |
| 112.5° | 147.0 | 147.0 | 149.0 | 150.0 | 148.0 | 143.0 | 134.0 | 121.0 | 106.0 | 99.0 | 99.0 |
| 115° | 178.0 | 177.0 | 179.0 | 182.0 | 179.0 | 174.0 | 168.0 | 159.0 | 147.0 | 139.0 | 140.0 |
| 117.5° | 209.0 | 208.0 | 210.0 | 215.0 | 211.0 | 205.0 | 202.0 | 197.0 | 189.0 | 184.0 | 184.0 |
| 120° | 243.0 | 243.0 | 245.0 | 250.0 | 246.0 | 243.0 | 237.0 | 233.0 | 226.0 | 223.0 | 225.0 |
| 122.5° | 277.0 | 276.0 | 278.0 | 283.0 | 279.0 | 277.0 | 271.0 | 267.0 | 261.0 | 260.0 | 263.0 |
| 125° | 310.0 | 310.0 | 310.0 | 315.0 | 313.0 | 310.0 | 305.0 | 299.0 | 296.0 | 294.0 | 298.0 |
| 127.5° | 347.0 | 345.0 | 346.0 | 346.0 | 345.0 | 340.0 | 339.0 | 333.0 | 329.0 | 329.0 | 330.0 |
| 130° | 380.0 | 379.0 | 381.0 | 381.0 | 377.0 | 372.0 | 370.0 | 366.0 | 362.0 | 361.0 | 363.0 |
| 132.5° | 415.0 | 414.0 | 414.0 | 416.0 | 411.0 | 405.0 | 404.0 | 401.0 | 393.0 | 394.0 | 396.0 |
| 135° | 451.0 | 450.0 | 447.0 | 448.0 | 443.0 | 437.0 | 435.0 | 432.0 | 426.0 | 426.0 | 429.0 |
| 137.5° | 482.0 | 481.0 | 476.0 | 475.0 | 473.0 | 468.0 | 464.0 | 460.0 | 459.0 | 457.0 | 460.0 |
| 140° | 511.0 | 509.0 | 504.0 | 502.0 | 500.0 | 497.0 | 491.0 | 489.0 | 487.0 | 485.0 | 488.0 |
| 142.5° | 536.0 | 534.0 | 533.0 | 533.0 | 527.0 | 525.0 | 521.0 | 518.0 | 517.0 | 515.0 | 518.0 |
| 145° | 560.0 | 558.0 | 561.0 | 562.0 | 556.0 | 551.0 | 550.0 | 547.0 | 544.0 | 546.0 | 550.0 |
| 147.5° | 585.0 | 583.0 | 586.0 | 585.0 | 580.0 | 575.0 | 574.0 | 574.0 | 571.0 | 572.0 | 575.0 |
| 150° | 610.0 | 606.0 | 603.0 | 600.0 | 597.0 | 593.0 | 593.0 | 593.0 | 593.0 | 592.0 | 595.0 |
| 152.5° | 628.0 | 623.0 | 618.0 | 614.0 | 611.0 | 610.0 | 610.0 | 609.0 | 608.0 | 608.0 | 611.0 |
| 155° | 641.0 | 638.0 | 636.0 | 631.0 | 626.0 | 628.0 | 630.0 | 627.0 | 625.0 | 625.0 | 629.0 |
| 157.5° | 655.0 | 650.0 | 650.0 | 648.0 | 644.0 | 645.0 | 646.0 | 644.0 | 643.0 | 643.0 | 646.0 |
| 160° | 666.0 | 660.0 | 661.0 | 664.0 | 658.0 | 655.0 | 655.0 | 656.0 | 659.0 | 660.0 | 663.0 |
| 162.5° | 674.0 | 668.0 | 670.0 | 671.0 | 667.0 | 663.0 | 661.0 | 665.0 | 669.0 | 669.0 | 673.0 |
| 165° | 682.0 | 678.0 | 680.0 | 677.0 | 672.0 | 673.0 | 673.0 | 676.0 | 676.0 | 678.0 | 681.0 |
| 167.5° | 694.0 | 688.0 | 688.0 | 684.0 | 678.0 | 685.0 | 688.0 | 686.0 | 684.0 | 687.0 | 690.0 |
| 170° | 701.0 | 696.0 | 694.0 | 689.0 | 686.0 | 691.0 | 693.0 | 692.0 | 692.0 | 695.0 | 698.0 |
| 172.5° | 701.0 | 696.0 | 694.0 | 692.0 | 689.0 | 690.0 | 690.0 | 693.0 | 695.0 | 697.0 | 699.0 |
| 175° | 699.0 | 694.0 | 696.0 | 695.0 | 690.0 | 690.0 | 691.0 | 695.0 | 697.0 | 698.0 | 700.0 |
| 177.5° | 702.0 | 698.0 | 701.0 | 699.0 | 694.0 | 695.0 | 697.0 | 699.0 | 700.0 | 705.0 | 707.0 |
| 180° | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 |

(END OF REPORT)