

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: P227026

Luminaire Tested: **ISW-AF-350-LED-E1-SL4-8030-ULG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P227026  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35947)-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-350-LED-E1-SL4-8030-ULG  
Description: IMPACT ELITE LED WEDGE LUMINAIRE WITH UPLIGHT  
LIGHT SQUARE WITH ACCUELED OPTICS-TYPE IV W/SPILL CONTROL, WITH UPLIGHT  
GLOW  
Light Source: (16) 3000K CCT, 80 CRI LEDs and (1) UPLIGHT LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

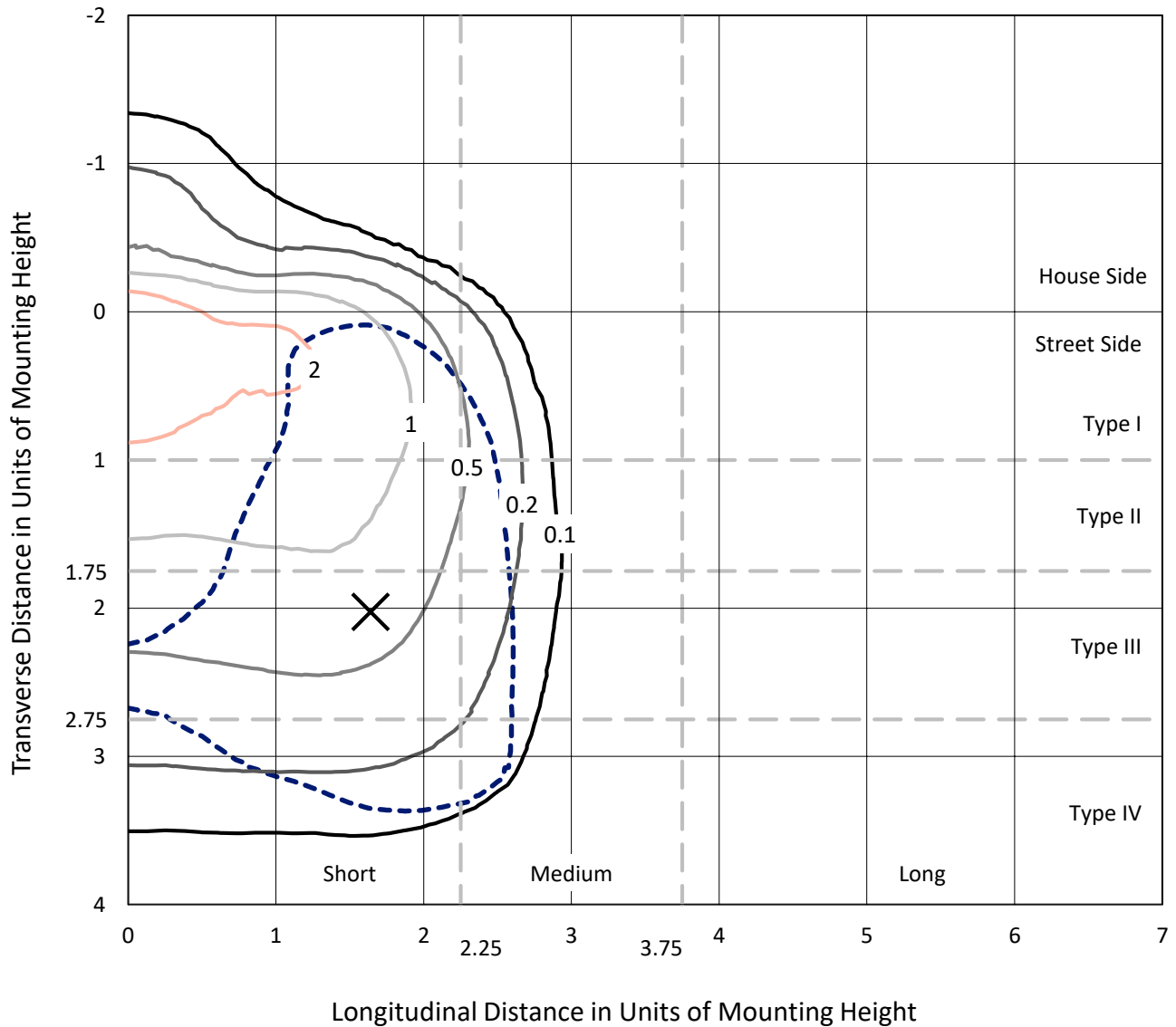
Lumens per Lamp: N/A  
Luminaire Lumens: 3559.8 lumens  
Efficiency: N/A  
Efficacy: 96.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B0 - U5 - G1  
  
Input Watts (W): 36.79  
Input Voltage (V): 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: P227026  
 CATALOG NUMBER: ISW-AF-350-LED-E1-SL4-8030-ULG

### Iso-Footcandle Lines of Horizontal Illumination

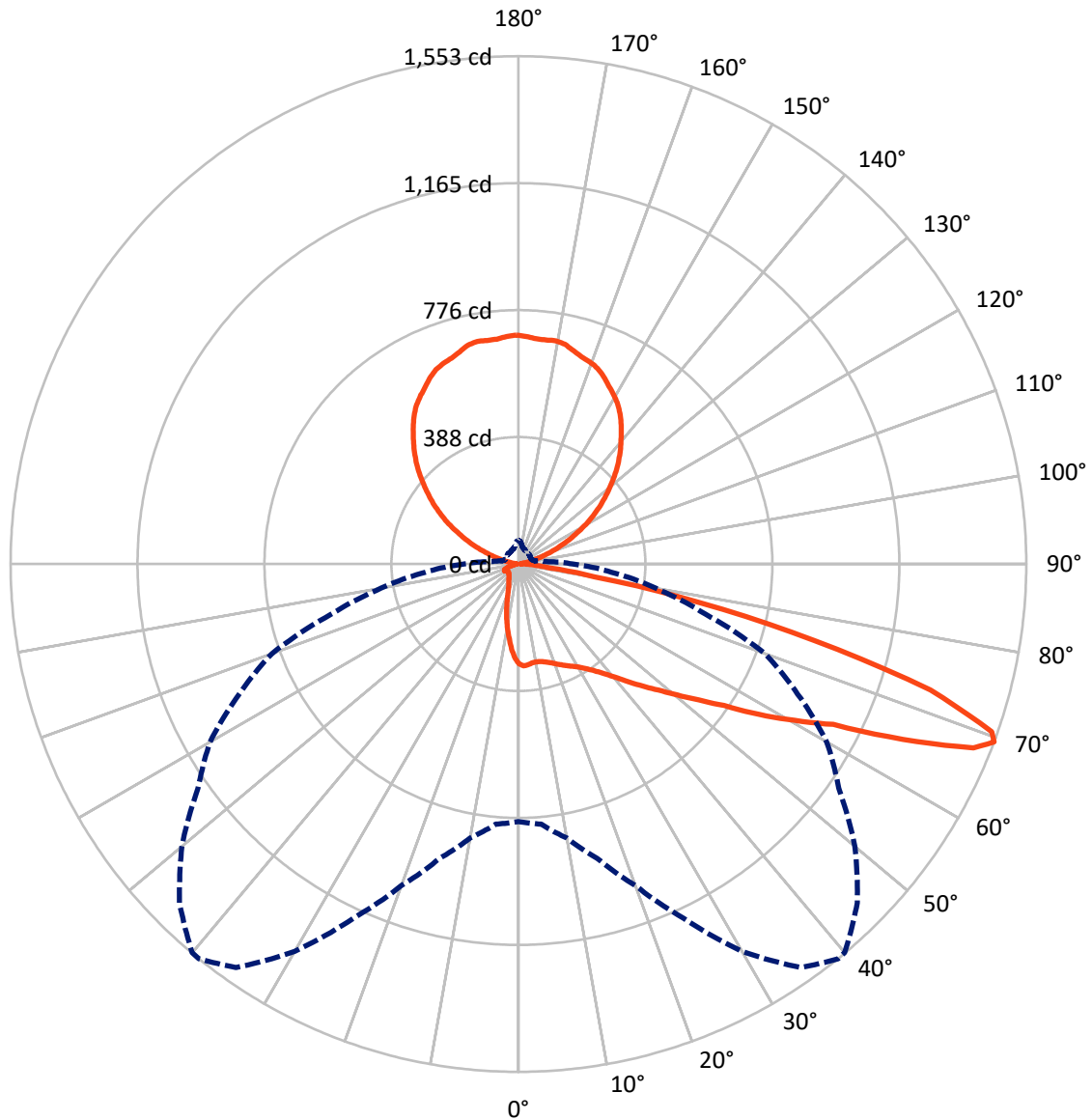
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P227026  
CATALOG NUMBER: ISW-AF-350-LED-E1-SL4-8030-ULG

### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P227026

CATALOG NUMBER: ISW-AF-350-LED-E1-SL4-8030-ULG

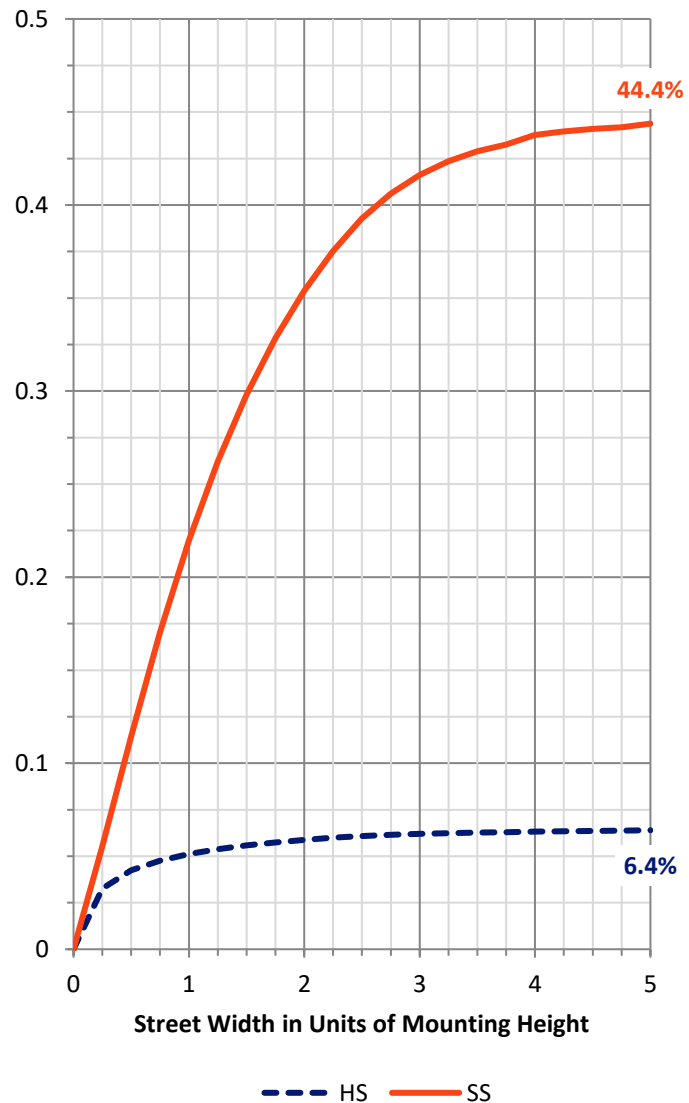
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 231.2    | 867.6  | 1098.9 |
|                    | % Fixture | 6.5      | 24.4   | 30.9   |
| <b>Street Side</b> | Lumens    | 1592.9   | 868.0  | 2460.9 |
|                    | % Fixture | 44.7     | 24.4   | 69.1   |
| <b>Total</b>       | Lumens    | 1824.1   | 1735.6 | 3559.8 |
|                    | % Fixture | 51.2     | 48.8   | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 26.4   | 0.7       |
| 10°-20°   | 66.5   | 1.9       |
| 20°-30°   | 103.5  | 2.9       |
| 30°-40°   | 156.4  | 4.4       |
| 40°-50°   | 250.3  | 7.0       |
| 50°-60°   | 393.3  | 11.0      |
| 60°-70°   | 529.6  | 14.9      |
| 70°-80°   | 262.7  | 7.4       |
| 80°-90°   | 35.5   | 1.0       |
| 90°-100°  | 9.8    | 0.3       |
| 100°-110° | 57.4   | 1.6       |
| 110°-120° | 166.1  | 4.7       |
| 120°-130° | 273.2  | 7.7       |
| 130°-140° | 336.8  | 9.5       |
| 140°-150° | 344.6  | 9.7       |
| 150°-160° | 290.3  | 8.2       |
| 160°-170° | 191.2  | 5.4       |
| 170°-180° | 66.3   | 1.9       |
| 0°-90°    | 1824.1 | 51.2      |
| 0°-180°   | 3559.8 | 100.0     |



REPORT NUMBER: P227026

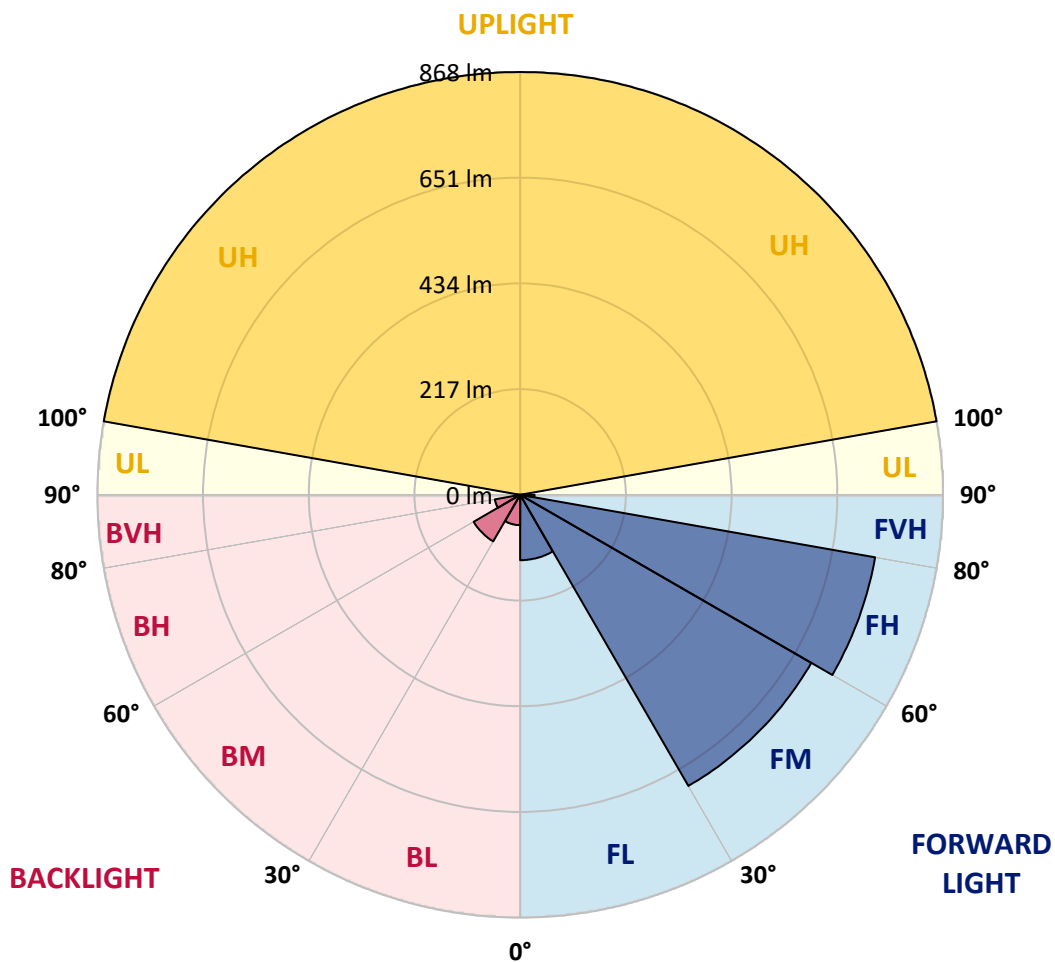
CATALOG NUMBER: ISW-AF-350-LED-E1-SL4-8030-ULG

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |         |         |
|----------------|--------|-----------|-------------------------|---------|---------|
|                |        |           | B                       | U       | G       |
| FL (0°-30°)    | 134.1  | 3.8       |                         |         |         |
| FM (30°-60°)   | 689.7  | 19.4      |                         |         |         |
| FH (60°-80°)   | 739.5  | 20.8      |                         |         | G1/1800 |
| FVH (80°-90°)  | 29.6   | 0.8       |                         |         | G1/100  |
| BL (0°-30°)    | 62.2   | 1.7       | B0/110                  |         |         |
| BM (30°-60°)   | 110.2  | 3.1       | B0/220                  |         |         |
| BH (60°-80°)   | 52.8   | 1.5       | B0/110                  |         | G0/110  |
| BVH (80°-90°)  | 5.9    | 0.2       |                         |         | G0/10   |
| UL (90°-100°)  | 9.8    | 0.3       |                         | U1/10   |         |
| UH (100°-180°) | 867.6  | 24.4      |                         | U4/1000 |         |

**BUG Rating: B0-U5-G1**

Type IV Short





REPORT NUMBER: P227026

CATALOG NUMBER: ISW-AF-350-LED-E1-SL4-8030-ULG

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°    | 25°    | 30°    | 35°    | 39°    | 40°    | 45°    |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 305.4 | 305.4 | 305.4 | 305.4 | 305.4  | 305.4  | 305.4  | 305.4  | 305.4  | 305.4  | 305.4  |
| 2.5°   | 312.8 | 313.1 | 313.1 | 313.4 | 312.2  | 312.2  | 312.5  | 311.4  | 312.0  | 311.7  | 310.2  |
| 5°     | 313.4 | 313.7 | 313.4 | 313.7 | 312.2  | 311.7  | 310.5  | 309.0  | 309.6  | 309.3  | 307.2  |
| 7.5°   | 312.0 | 312.2 | 311.7 | 312.0 | 310.2  | 309.0  | 307.2  | 306.0  | 305.1  | 304.9  | 302.2  |
| 10°    | 308.7 | 309.6 | 308.4 | 309.3 | 307.8  | 306.6  | 305.7  | 304.6  | 304.0  | 303.7  | 300.7  |
| 12.5°  | 304.0 | 304.6 | 304.9 | 306.0 | 306.0  | 306.3  | 306.3  | 305.4  | 305.7  | 305.4  | 303.1  |
| 15°    | 299.5 | 301.6 | 303.7 | 304.9 | 307.2  | 308.7  | 309.9  | 309.6  | 310.5  | 310.2  | 308.7  |
| 17.5°  | 299.5 | 301.3 | 304.9 | 308.7 | 313.1  | 315.2  | 317.0  | 317.0  | 317.3  | 316.7  | 314.3  |
| 20°    | 300.7 | 304.0 | 309.9 | 316.4 | 321.7  | 325.9  | 327.0  | 326.8  | 325.6  | 325.6  | 321.4  |
| 22.5°  | 310.5 | 312.5 | 319.1 | 326.2 | 333.6  | 337.7  | 338.0  | 337.1  | 334.7  | 334.2  | 329.1  |
| 25°    | 324.4 | 326.8 | 332.7 | 341.8 | 347.5  | 350.7  | 349.8  | 346.9  | 344.5  | 342.4  | 337.1  |
| 27.5°  | 346.0 | 347.8 | 353.7 | 359.9 | 363.2  | 364.3  | 360.8  | 356.6  | 354.0  | 353.1  | 346.0  |
| 30°    | 368.2 | 370.6 | 375.3 | 379.1 | 381.8  | 378.3  | 372.6  | 367.9  | 365.5  | 364.9  | 358.4  |
| 32.5°  | 395.4 | 395.7 | 399.0 | 399.9 | 400.2  | 394.2  | 386.5  | 382.1  | 381.2  | 380.0  | 375.0  |
| 35°    | 420.3 | 421.8 | 421.2 | 420.9 | 418.2  | 410.8  | 404.3  | 401.6  | 400.7  | 400.4  | 396.3  |
| 37.5°  | 442.5 | 444.8 | 443.4 | 440.7 | 437.4  | 431.5  | 424.7  | 421.8  | 424.7  | 422.9  | 423.8  |
| 40°    | 464.1 | 464.1 | 462.3 | 460.8 | 457.0  | 451.4  | 449.0  | 449.3  | 454.0  | 455.2  | 456.4  |
| 42.5°  | 482.7 | 482.4 | 480.7 | 479.5 | 478.9  | 477.7  | 476.5  | 482.1  | 491.3  | 493.1  | 495.8  |
| 45°    | 503.2 | 502.9 | 496.0 | 498.4 | 502.6  | 503.4  | 507.6  | 520.6  | 531.9  | 532.7  | 538.4  |
| 47.5°  | 523.0 | 520.6 | 514.1 | 516.5 | 528.3  | 534.5  | 541.3  | 559.7  | 575.4  | 578.6  | 594.3  |
| 50°    | 543.7 | 541.3 | 534.2 | 538.7 | 555.2  | 566.8  | 582.8  | 608.2  | 629.8  | 634.3  | 654.7  |
| 52.5°  | 565.3 | 565.0 | 559.4 | 566.2 | 586.6  | 610.0  | 635.2  | 663.9  | 690.2  | 695.8  | 726.0  |
| 55°    | 591.3 | 589.9 | 587.5 | 595.8 | 624.8  | 656.2  | 695.5  | 734.6  | 763.3  | 773.4  | 803.9  |
| 57.5°  | 620.7 | 620.1 | 620.4 | 637.5 | 672.4  | 720.1  | 768.3  | 821.0  | 868.4  | 875.5  | 903.9  |
| 60°    | 646.1 | 647.3 | 654.1 | 681.0 | 724.8  | 789.4  | 857.1  | 928.5  | 970.5  | 977.9  | 1005.7 |
| 62.5°  | 677.2 | 684.0 | 699.1 | 733.1 | 784.6  | 862.8  | 950.7  | 1026.1 | 1080.3 | 1095.4 | 1148.1 |
| 65°    | 751.8 | 757.1 | 785.2 | 826.4 | 892.1  | 992.1  | 1093.0 | 1202.8 | 1292.2 | 1305.8 | 1351.1 |
| 67.5°  | 806.2 | 819.8 | 863.9 | 931.1 | 1026.1 | 1154.0 | 1292.5 | 1425.4 | 1500.9 | 1507.1 | 1475.4 |
| 69°    | 787.3 | 798.5 | 850.6 | 931.7 | 1046.3 | 1195.1 | 1367.4 | 1506.2 | 1552.7 | 1551.5 | 1465.4 |
| 70°    | 758.3 | 768.6 | 826.1 | 904.8 | 1029.4 | 1190.4 | 1368.6 | 1506.8 | 1534.9 | 1524.3 | 1425.7 |
| 72.5°  | 635.2 | 644.3 | 698.2 | 780.5 | 901.2  | 1061.1 | 1228.9 | 1323.3 | 1317.4 | 1308.5 | 1145.7 |
| 75°    | 396.6 | 396.0 | 443.1 | 490.7 | 584.5  | 746.1  | 871.0  | 946.8  | 934.7  | 927.9  | 735.5  |
| 77.5°  | 148.3 | 158.6 | 175.8 | 227.0 | 270.2  | 357.5  | 458.5  | 542.8  | 566.2  | 536.3  | 396.0  |
| 80°    | 77.2  | 82.9  | 94.1  | 112.2 | 129.0  | 147.7  | 177.6  | 228.5  | 236.5  | 220.5  | 159.8  |
| 82.5°  | 61.0  | 67.8  | 79.0  | 94.4  | 106.3  | 99.2   | 93.5   | 96.8   | 96.2   | 91.8   | 81.4   |
| 85°    | 46.2  | 54.2  | 72.5  | 88.2  | 105.1  | 88.8   | 70.7   | 61.9   | 55.1   | 55.3   | 58.9   |
| 87.5°  | 23.1  | 29.9  | 57.1  | 77.0  | 91.5   | 58.9   | 46.2   | 35.8   | 29.9   | 28.7   | 38.5   |
| 90°    | 12.1  | 12.1  | 17.5  | 22.1  | 28.2   | 18.4   | 18.1   | 15.7   | 13.2   | 13.1   | 15.9   |
| 92.5°  | 4.0   | 4.0   | 4.5   | 5.0   | 5.5    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    |
| 95°    | 5.0   | 5.0   | 5.5   | 6.0   | 6.5    | 7.0    | 7.0    | 7.0    | 7.0    | 7.0    | 7.0    |
| 97.5°  | 7.0   | 7.0   | 7.5   | 8.0   | 8.0    | 8.0    | 8.5    | 9.0    | 9.0    | 9.0    | 9.0    |
| 100°   | 8.0   | 8.0   | 8.5   | 9.0   | 9.5    | 10.0   | 11.0   | 12.0   | 15.6   | 16.5   | 21.0   |
| 102.5° | 11.0  | 11.0  | 12.0  | 13.0  | 15.5   | 18.0   | 22.5   | 27.0   | 32.2   | 33.5   | 40.0   |
| 105°   | 21.0  | 22.0  | 24.5  | 27.0  | 31.5   | 36.0   | 42.0   | 48.0   | 54.0   | 55.5   | 63.0   |
| 107.5° | 41.0  | 42.0  | 45.5  | 49.0  | 53.5   | 58.0   | 65.5   | 73.0   | 79.0   | 80.5   | 88.0   |



REPORT NUMBER: P227026

CATALOG NUMBER: ISW-AF-350-LED-E1-SL4-8030-ULG

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 39°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110°   | 66.0  | 68.0  | 71.0  | 74.0  | 80.5  | 87.0  | 94.5  | 102.0 | 106.8 | 108.0 | 114.0 |
| 112.5° | 99.0  | 99.0  | 102.5 | 106.0 | 113.5 | 121.0 | 127.5 | 134.0 | 137.6 | 138.5 | 143.0 |
| 115°   | 140.0 | 139.0 | 143.0 | 147.0 | 153.0 | 159.0 | 163.5 | 168.0 | 170.4 | 171.0 | 174.0 |
| 117.5° | 184.0 | 184.0 | 186.5 | 189.0 | 193.0 | 197.0 | 199.5 | 202.0 | 203.2 | 203.5 | 205.0 |
| 120°   | 225.0 | 223.0 | 224.5 | 226.0 | 229.5 | 233.0 | 235.0 | 237.0 | 239.4 | 240.0 | 243.0 |
| 122.5° | 263.0 | 260.0 | 260.5 | 261.0 | 264.0 | 267.0 | 269.0 | 271.0 | 273.4 | 274.0 | 277.0 |
| 125°   | 298.0 | 294.0 | 295.0 | 296.0 | 297.5 | 299.0 | 302.0 | 305.0 | 307.0 | 307.5 | 310.0 |
| 127.5° | 330.0 | 329.0 | 329.0 | 329.0 | 331.0 | 333.0 | 336.0 | 339.0 | 339.4 | 339.5 | 340.0 |
| 130°   | 363.0 | 361.0 | 361.5 | 362.0 | 364.0 | 366.0 | 368.0 | 370.0 | 370.8 | 371.0 | 372.0 |
| 132.5° | 396.0 | 394.0 | 393.5 | 393.0 | 397.0 | 401.0 | 402.5 | 404.0 | 404.4 | 404.5 | 405.0 |
| 135°   | 429.0 | 426.0 | 426.0 | 426.0 | 429.0 | 432.0 | 433.5 | 435.0 | 435.8 | 436.0 | 437.0 |
| 137.5° | 460.0 | 457.0 | 458.0 | 459.0 | 459.5 | 460.0 | 462.0 | 464.0 | 465.6 | 466.0 | 468.0 |
| 140°   | 488.0 | 485.0 | 486.0 | 487.0 | 488.0 | 489.0 | 490.0 | 491.0 | 493.4 | 494.0 | 497.0 |
| 142.5° | 518.0 | 515.0 | 516.0 | 517.0 | 517.5 | 518.0 | 519.5 | 521.0 | 522.6 | 523.0 | 525.0 |
| 145°   | 550.0 | 546.0 | 545.0 | 544.0 | 545.5 | 547.0 | 548.5 | 550.0 | 550.4 | 550.5 | 551.0 |
| 147.5° | 575.0 | 572.0 | 571.5 | 571.0 | 572.5 | 574.0 | 574.0 | 574.0 | 574.4 | 574.5 | 575.0 |
| 150°   | 595.0 | 592.0 | 592.5 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 |
| 152.5° | 611.0 | 608.0 | 608.0 | 608.0 | 608.5 | 609.0 | 609.5 | 610.0 | 610.0 | 610.0 | 610.0 |
| 155°   | 629.0 | 625.0 | 625.0 | 625.0 | 626.0 | 627.0 | 628.5 | 630.0 | 629.2 | 629.0 | 628.0 |
| 157.5° | 646.0 | 643.0 | 643.0 | 643.0 | 643.5 | 644.0 | 645.0 | 646.0 | 645.6 | 645.5 | 645.0 |
| 160°   | 663.0 | 660.0 | 659.5 | 659.0 | 657.5 | 656.0 | 655.5 | 655.0 | 655.0 | 655.0 | 655.0 |
| 162.5° | 673.0 | 669.0 | 669.0 | 669.0 | 667.0 | 665.0 | 663.0 | 661.0 | 661.8 | 662.0 | 663.0 |
| 165°   | 681.0 | 678.0 | 677.0 | 676.0 | 676.0 | 676.0 | 674.5 | 673.0 | 673.0 | 673.0 | 673.0 |
| 167.5° | 690.0 | 687.0 | 685.5 | 684.0 | 685.0 | 686.0 | 687.0 | 688.0 | 686.8 | 686.5 | 685.0 |
| 170°   | 698.0 | 695.0 | 693.5 | 692.0 | 692.0 | 692.0 | 692.5 | 693.0 | 692.2 | 692.0 | 691.0 |
| 172.5° | 699.0 | 697.0 | 696.0 | 695.0 | 694.0 | 693.0 | 691.5 | 690.0 | 690.0 | 690.0 | 690.0 |
| 175°   | 700.0 | 698.0 | 697.5 | 697.0 | 696.0 | 695.0 | 693.0 | 691.0 | 690.6 | 690.5 | 690.0 |
| 177.5° | 707.0 | 705.0 | 702.5 | 700.0 | 699.5 | 699.0 | 698.0 | 697.0 | 696.2 | 696.0 | 695.0 |
| 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: P227026

CATALOG NUMBER: ISW-AF-350-LED-E1-SL4-8030-ULG

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 70°    | 75°    | 80°   | 85°   | 90°   | 95°   | 100°  |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0°     | 305.4  | 305.4  | 305.4  | 305.4  | 305.4  | 305.4  | 305.4 | 305.4 | 305.4 | 305.4 | 305.4 |
| 2.5°   | 309.0  | 309.0  | 308.4  | 308.1  | 307.2  | 306.0  | 305.1 | 303.7 | 302.8 | 301.3 | 299.5 |
| 5°     | 305.1  | 304.0  | 303.4  | 302.2  | 300.4  | 298.9  | 297.2 | 295.1 | 292.7 | 289.8 | 286.5 |
| 7.5°   | 300.1  | 298.3  | 296.3  | 295.7  | 293.6  | 291.8  | 289.8 | 286.8 | 283.5 | 278.2 | 274.1 |
| 10°    | 298.0  | 296.3  | 294.5  | 293.3  | 290.6  | 288.6  | 286.2 | 282.4 | 278.2 | 271.1 | 263.4 |
| 12.5°  | 300.1  | 298.3  | 296.6  | 294.5  | 292.1  | 289.8  | 286.5 | 281.8 | 276.1 | 267.0 | 257.5 |
| 15°    | 305.1  | 303.4  | 300.4  | 298.3  | 295.1  | 293.0  | 288.6 | 283.2 | 275.0 | 263.7 | 251.3 |
| 17.5°  | 310.8  | 308.1  | 305.4  | 302.2  | 299.2  | 296.6  | 291.8 | 285.0 | 274.7 | 261.3 | 245.4 |
| 20°    | 316.1  | 313.1  | 309.0  | 306.6  | 303.7  | 299.8  | 294.8 | 286.5 | 274.1 | 256.6 | 239.1 |
| 22.5°  | 322.3  | 318.5  | 314.0  | 311.4  | 309.0  | 305.7  | 299.8 | 289.2 | 274.1 | 253.9 | 232.0 |
| 25°    | 330.3  | 325.3  | 320.8  | 318.2  | 316.7  | 314.3  | 307.2 | 295.4 | 276.1 | 252.5 | 226.1 |
| 27.5°  | 339.8  | 333.3  | 329.4  | 327.6  | 327.3  | 325.6  | 318.5 | 303.7 | 280.9 | 252.5 | 220.5 |
| 30°    | 351.0  | 345.4  | 340.4  | 340.4  | 343.9  | 342.7  | 334.7 | 316.4 | 288.3 | 253.4 | 216.4 |
| 32.5°  | 366.7  | 361.1  | 358.1  | 361.1  | 364.9  | 366.1  | 356.9 | 334.4 | 300.4 | 257.5 | 212.2 |
| 35°    | 389.8  | 386.2  | 384.2  | 388.6  | 396.3  | 399.3  | 388.0 | 361.4 | 318.2 | 265.5 | 209.8 |
| 37.5°  | 420.3  | 417.6  | 415.0  | 422.6  | 437.1  | 443.1  | 426.8 | 392.5 | 343.6 | 278.8 | 208.7 |
| 40°    | 455.2  | 455.5  | 458.5  | 473.8  | 487.8  | 500.2  | 481.8 | 439.5 | 378.5 | 297.7 | 209.8 |
| 42.5°  | 496.6  | 499.9  | 510.0  | 531.3  | 558.2  | 568.0  | 550.2 | 496.3 | 422.1 | 320.5 | 212.8 |
| 45°    | 548.1  | 556.7  | 573.9  | 605.6  | 638.1  | 653.2  | 628.1 | 568.0 | 476.8 | 356.9 | 221.1 |
| 47.5°  | 602.9  | 621.8  | 650.8  | 689.3  | 727.2  | 737.0  | 705.9 | 632.8 | 530.4 | 389.2 | 233.8 |
| 50°    | 673.0  | 696.1  | 725.1  | 771.3  | 811.6  | 817.5  | 776.3 | 692.9 | 577.1 | 417.3 | 246.0 |
| 52.5°  | 738.4  | 769.8  | 806.8  | 860.4  | 901.2  | 893.8  | 840.6 | 746.4 | 614.1 | 436.6 | 252.8 |
| 55°    | 827.8  | 860.4  | 902.1  | 948.9  | 989.4  | 971.7  | 898.9 | 792.0 | 643.7 | 450.8 | 254.8 |
| 57.5°  | 929.9  | 954.8  | 995.6  | 1043.6 | 1070.2 | 1039.7 | 956.3 | 836.4 | 671.9 | 451.1 | 238.6 |
| 60°    | 1030.3 | 1059.3 | 1104.3 | 1151.3 | 1166.1 | 1113.4 | 996.2 | 843.2 | 644.0 | 402.5 | 190.9 |
| 62.5°  | 1178.9 | 1208.2 | 1230.9 | 1238.6 | 1212.0 | 1106.0 | 949.8 | 771.3 | 555.2 | 317.6 | 135.3 |
| 65°    | 1344.9 | 1311.7 | 1267.6 | 1226.2 | 1153.7 | 992.7  | 819.0 | 633.7 | 430.9 | 212.2 | 93.2  |
| 67.5°  | 1388.4 | 1287.5 | 1191.6 | 1099.2 | 964.0  | 790.5  | 617.7 | 445.7 | 276.4 | 120.8 | 63.3  |
| 69°    | 1343.1 | 1195.7 | 1088.9 | 942.4  | 802.7  | 591.6  | 425.6 | 285.6 | 165.2 | 84.1  | 53.0  |
| 70°    | 1260.2 | 1106.9 | 962.2  | 805.3  | 621.8  | 451.9  | 282.9 | 187.1 | 107.7 | 61.3  | 47.7  |
| 72.5°  | 951.0  | 760.3  | 586.0  | 380.6  | 232.0  | 128.7  | 90.6  | 64.8  | 51.2  | 45.0  | 40.8  |
| 75°    | 549.9  | 366.1  | 239.7  | 127.9  | 75.8   | 56.2   | 49.1  | 43.8  | 40.5  | 39.1  | 35.5  |
| 77.5°  | 232.0  | 145.0  | 98.3   | 71.9   | 50.9   | 43.5   | 37.9  | 34.9  | 34.6  | 33.7  | 30.5  |
| 80°    | 105.7  | 90.6   | 77.2   | 54.2   | 38.8   | 33.1   | 29.0  | 28.4  | 29.0  | 28.1  | 24.9  |
| 82.5°  | 78.4   | 77.2   | 64.5   | 41.7   | 29.6   | 22.2   | 18.1  | 18.9  | 21.3  | 23.1  | 20.1  |
| 85°    | 65.4   | 65.4   | 54.2   | 31.1   | 19.5   | 14.2   | 13.9  | 15.7  | 17.8  | 19.2  | 16.3  |
| 87.5°  | 60.1   | 57.7   | 31.1   | 16.0   | 11.2   | 9.2    | 8.6   | 7.7   | 7.7   | 13.3  | 11.2  |
| 90°    | 12.9   | 9.7    | 9.5    | 10.2   | 10.5   | 10.2   | 9.8   | 8.5   | 8.5   | 8.5   | 9.5   |
| 92.5°  | 6.5    | 7.0    | 7.0    | 7.0    | 6.5    | 6.0    | 6.0   | 6.0   | 6.0   | 6.0   | 6.0   |
| 95°    | 7.0    | 7.0    | 7.5    | 8.0    | 7.5    | 7.0    | 7.0   | 7.0   | 7.0   | 7.0   | 7.0   |
| 97.5°  | 10.5   | 12.0   | 11.0   | 10.0   | 9.5    | 9.0    | 8.5   | 8.0   | 8.0   | 8.0   | 8.5   |
| 100°   | 25.0   | 29.0   | 27.5   | 26.0   | 24.5   | 23.0   | 21.0  | 19.0  | 19.0  | 19.0  | 21.0  |
| 102.5° | 45.0   | 50.0   | 48.5   | 47.0   | 44.5   | 42.0   | 40.5  | 39.0  | 38.0  | 39.0  | 40.5  |
| 105°   | 67.5   | 72.0   | 71.0   | 70.0   | 67.5   | 65.0   | 63.0  | 61.0  | 61.0  | 61.0  | 63.0  |
| 107.5° | 91.5   | 95.0   | 94.5   | 94.0   | 92.0   | 90.0   | 88.5  | 87.0  | 86.0  | 87.0  | 88.5  |



REPORT NUMBER: P227026

CATALOG NUMBER: ISW-AF-350-LED-E1-SL4-8030-ULG

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110°   | 117.0 | 120.0 | 120.5 | 121.0 | 120.0 | 119.0 | 117.5 | 116.0 | 117.0 | 116.0 | 117.5 |
| 112.5° | 145.5 | 148.0 | 149.0 | 150.0 | 149.5 | 149.0 | 148.0 | 147.0 | 147.0 | 147.0 | 148.0 |
| 115°   | 176.5 | 179.0 | 180.5 | 182.0 | 180.5 | 179.0 | 178.0 | 177.0 | 178.0 | 177.0 | 178.0 |
| 117.5° | 208.0 | 211.0 | 213.0 | 215.0 | 212.5 | 210.0 | 209.0 | 208.0 | 209.0 | 208.0 | 209.0 |
| 120°   | 244.5 | 246.0 | 248.0 | 250.0 | 247.5 | 245.0 | 244.0 | 243.0 | 243.0 | 243.0 | 244.0 |
| 122.5° | 278.0 | 279.0 | 281.0 | 283.0 | 280.5 | 278.0 | 277.0 | 276.0 | 277.0 | 276.0 | 277.0 |
| 125°   | 311.5 | 313.0 | 314.0 | 315.0 | 312.5 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 |
| 127.5° | 342.5 | 345.0 | 345.5 | 346.0 | 346.0 | 346.0 | 345.5 | 345.0 | 347.0 | 345.0 | 345.5 |
| 130°   | 374.5 | 377.0 | 379.0 | 381.0 | 381.0 | 381.0 | 380.0 | 379.0 | 380.0 | 379.0 | 380.0 |
| 132.5° | 408.0 | 411.0 | 413.5 | 416.0 | 415.0 | 414.0 | 414.0 | 414.0 | 415.0 | 414.0 | 414.0 |
| 135°   | 440.0 | 443.0 | 445.5 | 448.0 | 447.5 | 447.0 | 448.5 | 450.0 | 451.0 | 450.0 | 448.5 |
| 137.5° | 470.5 | 473.0 | 474.0 | 475.0 | 475.5 | 476.0 | 478.5 | 481.0 | 482.0 | 481.0 | 478.5 |
| 140°   | 498.5 | 500.0 | 501.0 | 502.0 | 503.0 | 504.0 | 506.5 | 509.0 | 511.0 | 509.0 | 506.5 |
| 142.5° | 526.0 | 527.0 | 530.0 | 533.0 | 533.0 | 533.0 | 533.5 | 534.0 | 536.0 | 534.0 | 533.5 |
| 145°   | 553.5 | 556.0 | 559.0 | 562.0 | 561.5 | 561.0 | 559.5 | 558.0 | 560.0 | 558.0 | 559.5 |
| 147.5° | 577.5 | 580.0 | 582.5 | 585.0 | 585.5 | 586.0 | 584.5 | 583.0 | 585.0 | 583.0 | 584.5 |
| 150°   | 595.0 | 597.0 | 598.5 | 600.0 | 601.5 | 603.0 | 604.5 | 606.0 | 610.0 | 606.0 | 604.5 |
| 152.5° | 610.5 | 611.0 | 612.5 | 614.0 | 616.0 | 618.0 | 620.5 | 623.0 | 628.0 | 623.0 | 620.5 |
| 155°   | 627.0 | 626.0 | 628.5 | 631.0 | 633.5 | 636.0 | 637.0 | 638.0 | 641.0 | 638.0 | 637.0 |
| 157.5° | 644.5 | 644.0 | 646.0 | 648.0 | 649.0 | 650.0 | 650.0 | 650.0 | 655.0 | 650.0 | 650.0 |
| 160°   | 656.5 | 658.0 | 661.0 | 664.0 | 662.5 | 661.0 | 660.5 | 660.0 | 666.0 | 660.0 | 660.5 |
| 162.5° | 665.0 | 667.0 | 669.0 | 671.0 | 670.5 | 670.0 | 669.0 | 668.0 | 674.0 | 668.0 | 669.0 |
| 165°   | 672.5 | 672.0 | 674.5 | 677.0 | 678.5 | 680.0 | 679.0 | 678.0 | 682.0 | 678.0 | 679.0 |
| 167.5° | 681.5 | 678.0 | 681.0 | 684.0 | 686.0 | 688.0 | 688.0 | 688.0 | 694.0 | 688.0 | 688.0 |
| 170°   | 688.5 | 686.0 | 687.5 | 689.0 | 691.5 | 694.0 | 695.0 | 696.0 | 701.0 | 696.0 | 695.0 |
| 172.5° | 689.5 | 689.0 | 690.5 | 692.0 | 693.0 | 694.0 | 695.0 | 696.0 | 701.0 | 696.0 | 695.0 |
| 175°   | 690.0 | 690.0 | 692.5 | 695.0 | 695.5 | 696.0 | 695.0 | 694.0 | 699.0 | 694.0 | 695.0 |
| 177.5° | 694.5 | 694.0 | 696.5 | 699.0 | 700.0 | 701.0 | 699.5 | 698.0 | 702.0 | 698.0 | 699.5 |
| 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: P227026

CATALOG NUMBER: ISW-AF-350-LED-E1-SL4-8030-ULG

**CANDELA DISTRIBUTION (continued):**

|        | 105°  | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 305.4 | 305.4 | 305.4 | 305.4 | 305.4 | 305.4 | 305.4 | 305.4 | 305.4 | 305.4 | 305.4 |
| 2.5°   | 298.0 | 296.9 | 293.9 | 293.3 | 292.4 | 291.2 | 290.9 | 289.5 | 286.5 | 285.9 | 286.2 |
| 5°     | 284.4 | 279.7 | 276.4 | 273.8 | 271.7 | 266.4 | 264.3 | 261.9 | 257.8 | 256.6 | 254.8 |
| 7.5°   | 268.4 | 262.8 | 256.3 | 251.6 | 246.0 | 240.3 | 235.9 | 230.3 | 225.8 | 223.2 | 218.4 |
| 10°    | 256.0 | 248.3 | 239.7 | 230.3 | 222.9 | 214.3 | 208.7 | 202.1 | 195.0 | 188.5 | 183.8 |
| 12.5°  | 246.5 | 235.9 | 223.5 | 212.2 | 201.6 | 192.4 | 182.3 | 173.1 | 164.3 | 155.4 | 147.7 |
| 15°    | 238.8 | 225.5 | 209.8 | 195.6 | 182.6 | 169.0 | 157.8 | 145.0 | 133.8 | 126.1 | 116.3 |
| 17.5°  | 230.6 | 213.4 | 194.7 | 178.2 | 161.3 | 147.1 | 132.9 | 119.6 | 108.9 | 98.9  | 90.9  |
| 20°    | 220.5 | 199.8 | 179.7 | 160.4 | 141.2 | 124.9 | 110.4 | 97.7  | 87.3  | 79.3  | 73.4  |
| 22.5°  | 209.3 | 185.0 | 161.6 | 140.6 | 121.3 | 105.4 | 91.8  | 82.3  | 74.6  | 70.1  | 68.4  |
| 25°    | 198.3 | 170.5 | 144.1 | 121.1 | 101.8 | 88.2  | 79.0  | 71.0  | 67.2  | 65.4  | 65.4  |
| 27.5°  | 188.2 | 155.7 | 126.4 | 103.9 | 85.2  | 74.6  | 67.5  | 64.2  | 62.4  | 62.4  | 63.3  |
| 30°    | 178.8 | 140.9 | 109.5 | 86.7  | 71.9  | 63.9  | 60.1  | 58.9  | 59.2  | 60.4  | 61.6  |
| 32.5°  | 167.8 | 126.7 | 95.0  | 74.6  | 62.4  | 57.1  | 54.2  | 54.5  | 55.9  | 58.0  | 60.1  |
| 35°    | 156.3 | 111.6 | 82.3  | 65.4  | 55.9  | 51.8  | 50.0  | 50.3  | 52.4  | 55.1  | 57.1  |
| 37.5°  | 145.9 | 99.4  | 72.5  | 58.3  | 51.2  | 48.5  | 47.1  | 47.4  | 48.8  | 52.1  | 54.8  |
| 40°    | 135.6 | 89.1  | 64.5  | 54.2  | 48.5  | 45.9  | 45.0  | 44.7  | 45.9  | 48.8  | 52.1  |
| 42.5°  | 126.7 | 80.2  | 59.8  | 51.2  | 46.8  | 44.4  | 43.2  | 43.2  | 43.8  | 46.2  | 49.4  |
| 45°    | 121.3 | 74.9  | 56.5  | 49.1  | 45.3  | 43.2  | 42.0  | 41.4  | 42.3  | 43.8  | 46.8  |
| 47.5°  | 121.3 | 72.2  | 54.5  | 47.7  | 44.1  | 42.3  | 40.8  | 40.5  | 40.8  | 42.3  | 45.3  |
| 50°    | 125.5 | 72.8  | 54.2  | 47.1  | 43.5  | 41.1  | 39.7  | 39.7  | 40.3  | 42.3  | 44.7  |
| 52.5°  | 129.0 | 74.0  | 55.1  | 47.7  | 43.5  | 40.5  | 38.8  | 38.5  | 39.4  | 41.4  | 43.5  |
| 55°    | 128.5 | 74.0  | 55.9  | 48.5  | 44.4  | 40.8  | 38.5  | 38.2  | 38.8  | 40.8  | 42.9  |
| 57.5°  | 114.8 | 69.6  | 55.1  | 49.1  | 45.6  | 42.3  | 40.0  | 39.1  | 39.7  | 41.4  | 43.2  |
| 60°    | 92.9  | 61.9  | 52.7  | 49.1  | 47.4  | 45.0  | 42.6  | 42.0  | 42.3  | 44.1  | 46.2  |
| 62.5°  | 72.8  | 55.1  | 49.7  | 48.8  | 48.2  | 47.1  | 46.2  | 45.6  | 45.6  | 47.1  | 48.8  |
| 65°    | 59.2  | 49.7  | 47.4  | 47.7  | 48.2  | 47.9  | 47.7  | 47.4  | 47.4  | 48.2  | 50.0  |
| 67.5°  | 49.4  | 44.7  | 44.1  | 45.0  | 45.6  | 45.9  | 46.2  | 45.9  | 46.2  | 47.1  | 49.1  |
| 69°    | 45.0  | 42.0  | 41.4  | 42.0  | 43.2  | 43.5  | 44.1  | 43.8  | 44.1  | 45.0  | 47.1  |
| 70°    | 42.3  | 40.0  | 39.4  | 40.3  | 41.1  | 41.4  | 42.0  | 41.7  | 42.0  | 42.9  | 45.0  |
| 72.5°  | 36.7  | 34.0  | 33.1  | 33.7  | 34.6  | 34.6  | 35.5  | 35.8  | 35.2  | 35.5  | 37.0  |
| 75°    | 31.4  | 28.4  | 26.9  | 27.2  | 27.2  | 27.2  | 27.8  | 27.8  | 27.2  | 26.9  | 27.2  |
| 77.5°  | 26.3  | 23.1  | 21.3  | 21.3  | 21.3  | 21.0  | 20.1  | 20.4  | 20.7  | 20.4  | 20.7  |
| 80°    | 20.7  | 18.1  | 16.3  | 16.3  | 16.3  | 15.7  | 15.4  | 15.4  | 16.0  | 16.6  | 16.3  |
| 82.5°  | 16.0  | 13.3  | 12.4  | 12.1  | 12.1  | 11.5  | 11.5  | 12.1  | 11.8  | 12.1  | 12.7  |
| 85°    | 11.5  | 9.5   | 8.6   | 8.9   | 8.6   | 8.0   | 8.3   | 9.2   | 9.2   | 8.9   | 9.5   |
| 87.5°  | 7.1   | 5.9   | 5.6   | 5.9   | 5.3   | 4.4   | 4.1   | 4.4   | 5.0   | 4.7   | 5.3   |
| 90°    | 9.9   | 9.6   | 9.6   | 8.6   | 7.9   | 7.6   | 7.6   | 8.1   | 8.9   | 8.9   | 8.6   |
| 92.5°  | 6.0   | 6.5   | 7.0   | 7.0   | 7.0   | 6.5   | 6.0   | 6.0   | 6.0   | 6.0   | 6.0   |
| 95°    | 7.0   | 7.5   | 8.0   | 7.5   | 7.0   | 7.0   | 7.0   | 7.0   | 7.0   | 7.0   | 7.0   |
| 97.5°  | 9.0   | 9.5   | 10.0  | 11.0  | 12.0  | 10.5  | 9.0   | 9.0   | 9.0   | 8.5   | 8.0   |
| 100°   | 23.0  | 24.5  | 26.0  | 27.5  | 29.0  | 25.0  | 21.0  | 16.5  | 12.0  | 11.0  | 10.0  |
| 102.5° | 42.0  | 44.5  | 47.0  | 48.5  | 50.0  | 45.0  | 40.0  | 33.5  | 27.0  | 22.5  | 18.0  |
| 105°   | 65.0  | 67.5  | 70.0  | 71.0  | 72.0  | 67.5  | 63.0  | 55.5  | 48.0  | 42.0  | 36.0  |
| 107.5° | 90.0  | 92.0  | 94.0  | 94.5  | 95.0  | 91.5  | 88.0  | 80.5  | 73.0  | 65.5  | 58.0  |



REPORT NUMBER: P227026  
 CATALOG NUMBER: ISW-AF-350-LED-E1-SL4-8030-ULG

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|        | 105°  | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |        |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 110°   | 119.0 | 120.0 | 121.0 | 120.5 | 120.0 | 117.0 | 114.0 | 108.0 | 102.0 | 94.5  | 87.0  | 0°     |
| 112.5° | 149.0 | 149.5 | 150.0 | 149.0 | 148.0 | 145.5 | 143.0 | 138.5 | 134.0 | 127.5 | 121.0 | 2.5°   |
| 115°   | 179.0 | 180.5 | 182.0 | 180.5 | 179.0 | 176.5 | 174.0 | 171.0 | 168.0 | 163.5 | 159.0 | 5°     |
| 117.5° | 210.0 | 212.5 | 215.0 | 213.0 | 211.0 | 208.0 | 205.0 | 203.5 | 202.0 | 199.5 | 197.0 | 7.5°   |
| 120°   | 245.0 | 247.5 | 250.0 | 248.0 | 246.0 | 244.5 | 243.0 | 240.0 | 237.0 | 235.0 | 233.0 | 10°    |
| 122.5° | 278.0 | 280.5 | 283.0 | 281.0 | 279.0 | 278.0 | 277.0 | 274.0 | 271.0 | 269.0 | 267.0 | 12.5°  |
| 125°   | 310.0 | 312.5 | 315.0 | 314.0 | 313.0 | 311.5 | 310.0 | 307.5 | 305.0 | 302.0 | 299.0 | 15°    |
| 127.5° | 346.0 | 346.0 | 346.0 | 345.5 | 345.0 | 342.5 | 340.0 | 339.5 | 339.0 | 336.0 | 333.0 | 17.5°  |
| 130°   | 381.0 | 381.0 | 381.0 | 379.0 | 377.0 | 374.5 | 372.0 | 371.0 | 370.0 | 368.0 | 366.0 | 20°    |
| 132.5° | 414.0 | 415.0 | 416.0 | 413.5 | 411.0 | 408.0 | 405.0 | 404.5 | 404.0 | 402.5 | 401.0 | 22.5°  |
| 135°   | 447.0 | 447.5 | 448.0 | 445.5 | 443.0 | 440.0 | 437.0 | 436.0 | 435.0 | 433.5 | 432.0 | 25°    |
| 137.5° | 476.0 | 475.5 | 475.0 | 474.0 | 473.0 | 470.5 | 468.0 | 466.0 | 464.0 | 462.0 | 460.0 | 27.5°  |
| 140°   | 504.0 | 503.0 | 502.0 | 501.0 | 500.0 | 498.5 | 497.0 | 494.0 | 491.0 | 490.0 | 489.0 | 30°    |
| 142.5° | 533.0 | 533.0 | 533.0 | 530.0 | 527.0 | 526.0 | 525.0 | 523.0 | 521.0 | 519.5 | 518.0 | 32.5°  |
| 145°   | 561.0 | 561.5 | 562.0 | 559.0 | 556.0 | 553.5 | 551.0 | 550.5 | 550.0 | 548.5 | 547.0 | 35°    |
| 147.5° | 586.0 | 585.5 | 585.0 | 582.5 | 580.0 | 577.5 | 575.0 | 574.5 | 574.0 | 574.0 | 574.0 | 37.5°  |
| 150°   | 603.0 | 601.5 | 600.0 | 598.5 | 597.0 | 595.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 40°    |
| 152.5° | 618.0 | 616.0 | 614.0 | 612.5 | 611.0 | 610.5 | 610.0 | 610.0 | 610.0 | 609.5 | 609.0 | 42.5°  |
| 155°   | 636.0 | 633.5 | 631.0 | 628.5 | 626.0 | 627.0 | 628.0 | 629.0 | 630.0 | 628.5 | 627.0 | 45°    |
| 157.5° | 650.0 | 649.0 | 648.0 | 646.0 | 644.0 | 644.5 | 645.0 | 645.5 | 646.0 | 645.0 | 644.0 | 47.5°  |
| 160°   | 661.0 | 662.5 | 664.0 | 661.0 | 658.0 | 656.5 | 655.0 | 655.0 | 655.0 | 655.5 | 656.0 | 50°    |
| 162.5° | 670.0 | 670.5 | 671.0 | 669.0 | 667.0 | 665.0 | 663.0 | 662.0 | 661.0 | 663.0 | 665.0 | 52.5°  |
| 165°   | 680.0 | 678.5 | 677.0 | 674.5 | 672.0 | 672.5 | 673.0 | 673.0 | 673.0 | 674.5 | 676.0 | 55°    |
| 167.5° | 688.0 | 686.0 | 684.0 | 681.0 | 678.0 | 681.5 | 685.0 | 686.5 | 688.0 | 687.0 | 686.0 | 57.5°  |
| 170°   | 694.0 | 691.5 | 689.0 | 687.5 | 686.0 | 688.5 | 691.0 | 692.0 | 693.0 | 692.5 | 692.0 | 60°    |
| 172.5° | 694.0 | 693.0 | 692.0 | 690.5 | 689.0 | 689.5 | 690.0 | 690.0 | 690.0 | 691.5 | 693.0 | 62.5°  |
| 175°   | 696.0 | 695.5 | 695.0 | 692.5 | 690.0 | 690.0 | 690.0 | 690.5 | 691.0 | 693.0 | 695.0 | 65°    |
| 177.5° | 701.0 | 700.0 | 699.0 | 696.5 | 694.0 | 694.5 | 695.0 | 696.0 | 697.0 | 698.0 | 699.0 | 67.5°  |
| 180°   | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 69°    |
|        |       |       |       |       |       |       |       |       |       |       |       | 70°    |
|        |       |       |       |       |       |       |       |       |       |       |       | 72.5°  |
|        |       |       |       |       |       |       |       |       |       |       |       | 75°    |
|        |       |       |       |       |       |       |       |       |       |       |       | 77.5°  |
|        |       |       |       |       |       |       |       |       |       |       |       | 80°    |
|        |       |       |       |       |       |       |       |       |       |       |       | 82.5°  |
|        |       |       |       |       |       |       |       |       |       |       |       | 85°    |
|        |       |       |       |       |       |       |       |       |       |       |       | 87.5°  |
|        |       |       |       |       |       |       |       |       |       |       |       | 90°    |
|        |       |       |       |       |       |       |       |       |       |       |       | 92.5°  |
|        |       |       |       |       |       |       |       |       |       |       |       | 95°    |
|        |       |       |       |       |       |       |       |       |       |       |       | 97.5°  |
|        |       |       |       |       |       |       |       |       |       |       |       | 100°   |
|        |       |       |       |       |       |       |       |       |       |       |       | 102.5° |
|        |       |       |       |       |       |       |       |       |       |       |       | 105°   |
|        |       |       |       |       |       |       |       |       |       |       |       | 107.5° |

NUMBER: P227026  
 NUMBER: ISW-AF-350-LED-E1-SL4-8030-ULG

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

| 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 305.4 | 305.4 | 305.4 | 305.4 | 305.4 |
| 284.1 | 285.0 | 281.2 | 282.9 | 281.8 |
| 253.1 | 251.6 | 251.3 | 250.4 | 248.6 |
| 216.7 | 215.5 | 211.9 | 213.1 | 210.4 |
| 179.1 | 178.8 | 172.3 | 172.6 | 169.3 |
| 144.4 | 139.1 | 136.4 | 132.6 | 134.7 |
| 111.9 | 107.4 | 101.8 | 100.3 | 102.4 |
| 84.4  | 79.9  | 77.2  | 74.9  | 74.0  |
| 69.8  | 67.2  | 65.7  | 64.8  | 64.2  |
| 67.5  | 66.9  | 66.6  | 66.0  | 65.7  |
| 66.0  | 66.6  | 66.6  | 66.6  | 66.0  |
| 64.5  | 65.7  | 66.0  | 65.7  | 65.1  |
| 63.0  | 63.9  | 63.9  | 63.6  | 62.7  |
| 61.0  | 61.9  | 61.9  | 61.6  | 61.0  |
| 58.6  | 59.2  | 59.5  | 59.5  | 59.8  |
| 56.8  | 57.4  | 58.0  | 58.6  | 59.5  |
| 54.8  | 55.6  | 55.9  | 57.1  | 58.3  |
| 52.1  | 53.3  | 53.9  | 54.8  | 55.9  |
| 49.4  | 50.9  | 51.2  | 52.4  | 53.6  |
| 48.2  | 49.4  | 49.4  | 50.3  | 51.2  |
| 46.8  | 47.4  | 47.1  | 47.7  | 47.9  |
| 45.3  | 45.9  | 45.6  | 46.2  | 46.5  |
| 44.1  | 44.7  | 45.3  | 45.9  | 46.2  |
| 44.7  | 45.6  | 45.9  | 46.8  | 47.1  |
| 47.4  | 48.5  | 49.7  | 50.9  | 51.8  |
| 50.0  | 51.5  | 54.2  | 59.5  | 61.6  |
| 51.5  | 53.6  | 59.8  | 69.0  | 71.6  |
| 50.6  | 53.3  | 60.7  | 70.4  | 73.7  |
| 48.8  | 50.9  | 58.9  | 69.0  | 71.9  |
| 46.5  | 48.5  | 56.5  | 67.5  | 70.1  |
| 37.6  | 38.8  | 47.7  | 58.0  | 59.8  |
| 27.5  | 28.4  | 35.2  | 39.4  | 39.1  |
| 21.3  | 22.5  | 24.9  | 25.2  | 24.9  |
| 16.9  | 17.5  | 18.6  | 18.6  | 18.9  |
| 13.0  | 13.3  | 13.9  | 13.3  | 13.0  |
| 9.8   | 9.5   | 9.2   | 8.9   | 8.6   |
| 5.6   | 5.6   | 4.7   | 4.1   | 3.8   |
| 8.1   | 7.9   | 6.9   | 5.6   | 5.0   |
| 5.5   | 5.0   | 4.5   | 4.0   | 4.0   |
| 6.5   | 6.0   | 5.5   | 5.0   | 5.0   |
| 8.0   | 8.0   | 7.5   | 7.0   | 7.0   |
| 9.5   | 9.0   | 8.5   | 8.0   | 8.0   |
| 15.5  | 13.0  | 12.0  | 11.0  | 11.0  |
| 31.5  | 27.0  | 24.5  | 22.0  | 21.0  |
| 53.5  | 49.0  | 45.5  | 42.0  | 41.0  |

**CANDELA DISTRIBUTION:**

|        | 160°  |
|--------|-------|
| 110°   | 80.5  |
| 112.5° | 113.5 |
| 115°   | 153.0 |
| 117.5° | 193.0 |
| 120°   | 229.5 |
| 122.5° | 264.0 |
| 125°   | 297.5 |
| 127.5° | 331.0 |
| 130°   | 364.0 |
| 132.5° | 397.0 |
| 135°   | 429.0 |
| 137.5° | 459.5 |
| 140°   | 488.0 |
| 142.5° | 517.5 |
| 145°   | 545.5 |
| 147.5° | 572.5 |
| 150°   | 593.0 |
| 152.5° | 608.5 |
| 155°   | 626.0 |
| 157.5° | 643.5 |
| 160°   | 657.5 |
| 162.5° | 667.0 |
| 165°   | 676.0 |
| 167.5° | 685.0 |
| 170°   | 692.0 |
| 172.5° | 694.0 |
| 175°   | 696.0 |
| 177.5° | 699.5 |
| 180°   | 700.0 |

'227026

ISW-AF-350-LED-E1-SL4-8030-ULG

**TION (continued):**

| 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|
| 74.0  | 71.0  | 68.0  | 66.0  |
| 106.0 | 102.5 | 99.0  | 99.0  |
| 147.0 | 143.0 | 139.0 | 140.0 |
| 189.0 | 186.5 | 184.0 | 184.0 |
| 226.0 | 224.5 | 223.0 | 225.0 |
| 261.0 | 260.5 | 260.0 | 263.0 |
| 296.0 | 295.0 | 294.0 | 298.0 |
| 329.0 | 329.0 | 329.0 | 330.0 |
| 362.0 | 361.5 | 361.0 | 363.0 |
| 393.0 | 393.5 | 394.0 | 396.0 |
| 426.0 | 426.0 | 426.0 | 429.0 |
| 459.0 | 458.0 | 457.0 | 460.0 |
| 487.0 | 486.0 | 485.0 | 488.0 |
| 517.0 | 516.0 | 515.0 | 518.0 |
| 544.0 | 545.0 | 546.0 | 550.0 |
| 571.0 | 571.5 | 572.0 | 575.0 |
| 593.0 | 592.5 | 592.0 | 595.0 |
| 608.0 | 608.0 | 608.0 | 611.0 |
| 625.0 | 625.0 | 625.0 | 629.0 |
| 643.0 | 643.0 | 643.0 | 646.0 |
| 659.0 | 659.5 | 660.0 | 663.0 |
| 669.0 | 669.0 | 669.0 | 673.0 |
| 676.0 | 677.0 | 678.0 | 681.0 |
| 684.0 | 685.5 | 687.0 | 690.0 |
| 692.0 | 693.5 | 695.0 | 698.0 |
| 695.0 | 696.0 | 697.0 | 699.0 |
| 697.0 | 697.5 | 698.0 | 700.0 |
| 700.0 | 702.5 | 705.0 | 707.0 |
| 700.0 | 700.0 | 700.0 | 700.0 |

(END OF REPORT)