

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: P226766

Luminaire Tested: **ISW-AF-350-LED-E1-SL2-8030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226766
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35945)-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-SL2-8030-ULG
Description: IMPACT ELITE LED WEDGE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II 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: 3706.2 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U5 - G1

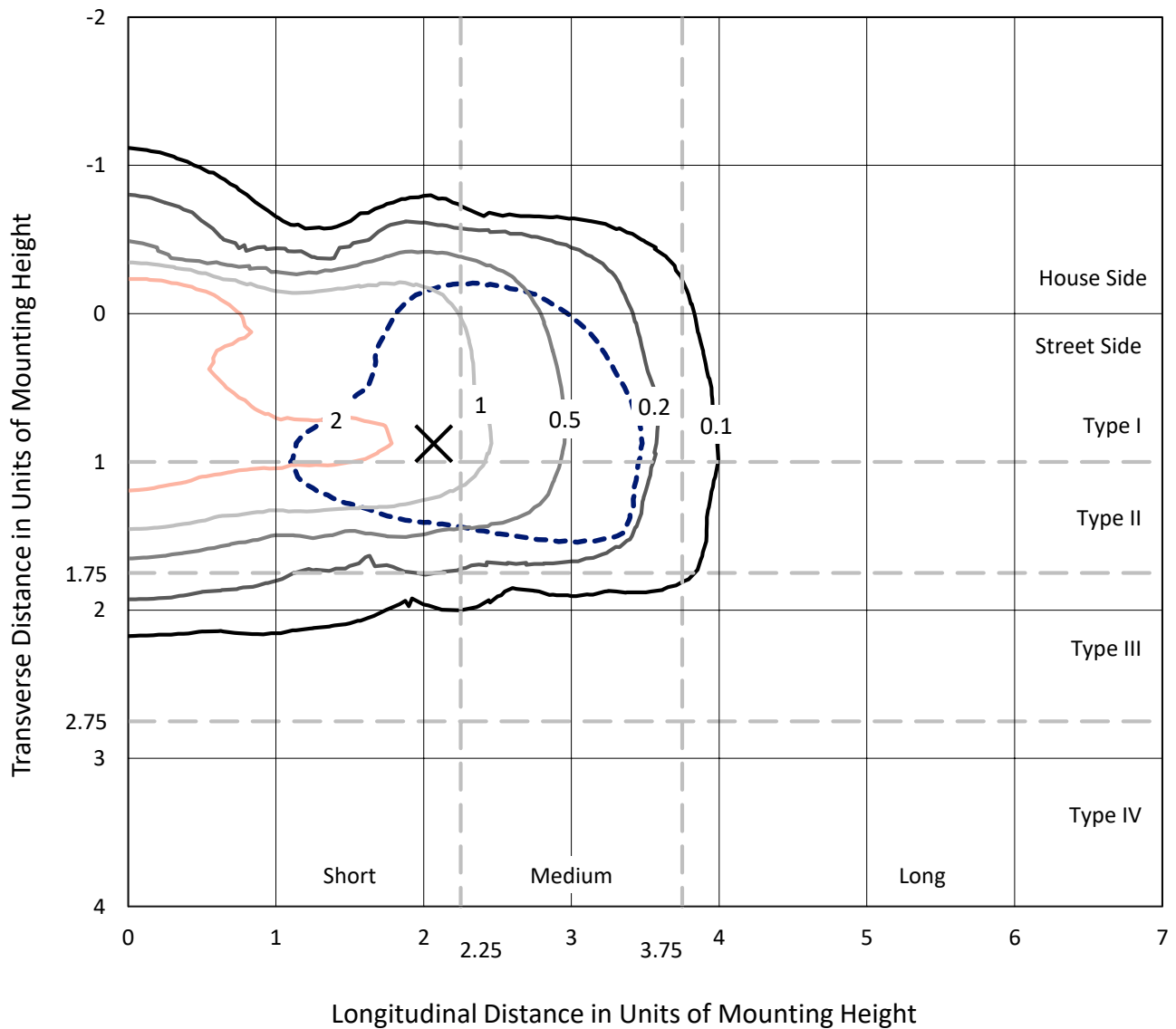
Input Watts (W): 36.79
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

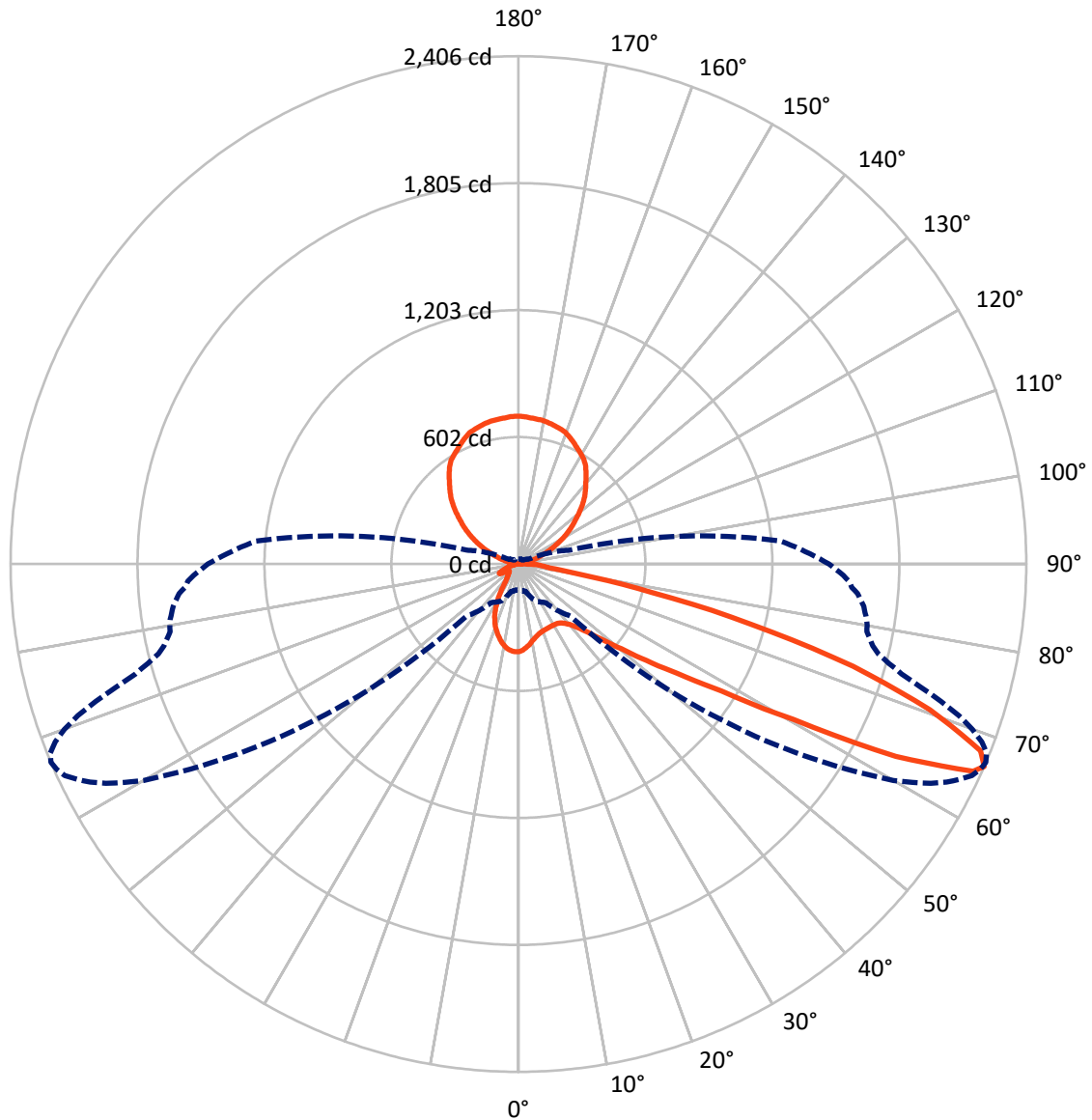


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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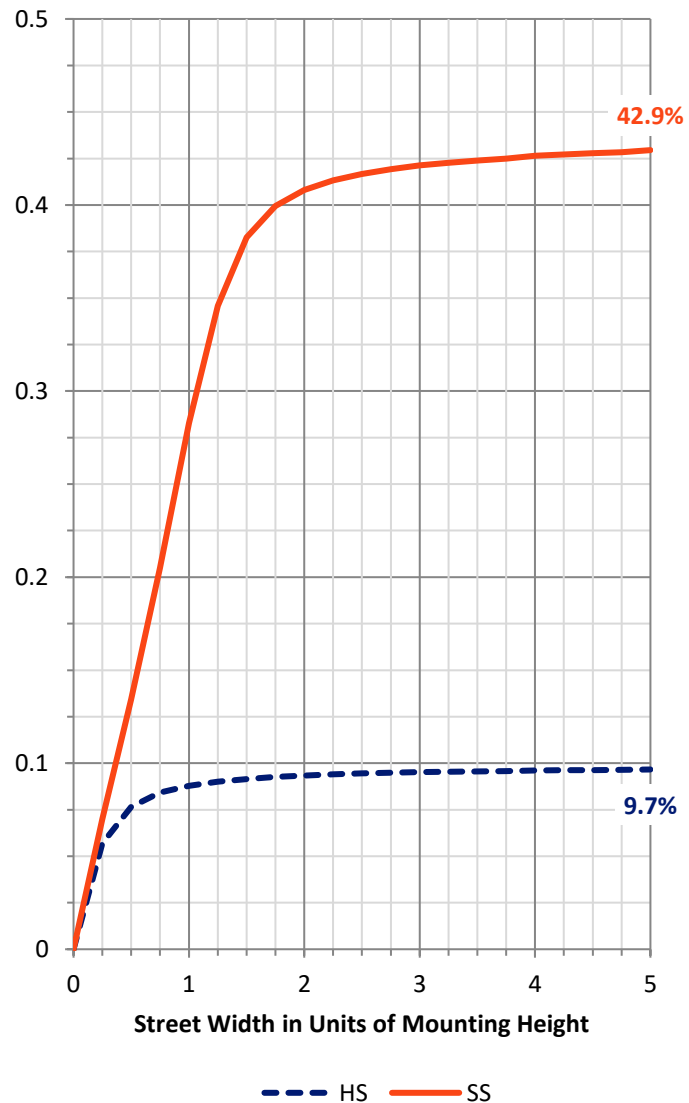
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 364.3 | 867.7 | 1232.0 |
| | % Fixture | 9.8 | 23.4 | 33.2 |
| Street Side | Lumens | 1606.1 | 868.1 | 2474.2 |
| | % Fixture | 43.3 | 23.4 | 66.8 |
| Total | Lumens | 1970.3 | 1735.9 | 3706.2 |
| | % Fixture | 53.2 | 46.8 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 36.0 | 1.0 |
| 10°-20° | 85.6 | 2.3 |
| 20°-30° | 117.4 | 3.2 |
| 30°-40° | 167.7 | 4.5 |
| 40°-50° | 271.9 | 7.3 |
| 50°-60° | 430.7 | 11.6 |
| 60°-70° | 545.8 | 14.7 |
| 70°-80° | 271.3 | 7.3 |
| 80°-90° | 44.0 | 1.2 |
| 90°-100° | 10.0 | 0.3 |
| 100°-110° | 57.4 | 1.5 |
| 110°-120° | 166.1 | 4.5 |
| 120°-130° | 273.2 | 7.4 |
| 130°-140° | 336.8 | 9.1 |
| 140°-150° | 344.6 | 9.3 |
| 150°-160° | 290.3 | 7.8 |
| 160°-170° | 191.2 | 5.2 |
| 170°-180° | 66.3 | 1.8 |
| 0°-90° | 1970.3 | 53.2 |
| 0°-180° | 3706.2 | 100.0 |



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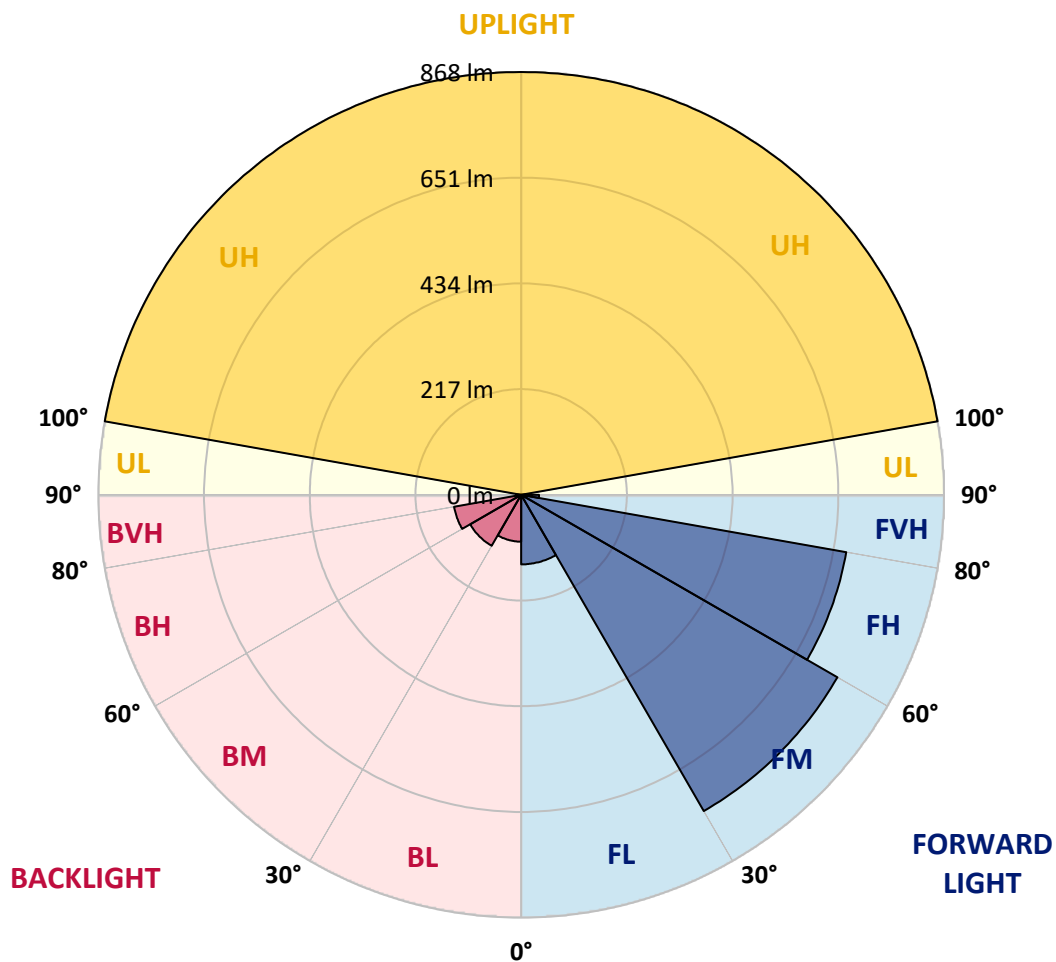
CATALOG NUMBER: ISW-AF-350-LED-E1-SL2-8030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|---------|---------|
| | | | B | U | G |
| FL (0°-30°) | 142.7 | 3.9 | | | |
| FM (30°-60°) | 749.4 | 20.2 | | | |
| FH (60°-80°) | 677.4 | 18.3 | | | G1/1800 |
| FVH (80°-90°) | 36.6 | 1.0 | | | G1/100 |
| BL (0°-30°) | 96.2 | 2.6 | B0/110 | | |
| BM (30°-60°) | 120.8 | 3.3 | B0/220 | | |
| BH (60°-80°) | 139.8 | 3.8 | B1/500 | | G1/500 |
| BVH (80°-90°) | 7.4 | 0.2 | | | G0/10 |
| UL (90°-100°) | 10.0 | 0.3 | | U1/10 | |
| UH (100°-180°) | 867.7 | 23.4 | | U4/1000 | |

BUG Rating: B1-U5-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 63° |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 |
| 2.5° | 385.4 | 386.2 | 391.3 | 393.9 | 397.8 | 399.0 | 403.4 | 405.2 | 406.7 | 406.4 | 406.4 |
| 5° | 350.7 | 353.4 | 355.8 | 361.1 | 366.7 | 373.5 | 382.1 | 388.6 | 389.8 | 391.3 | 392.2 |
| 7.5° | 324.4 | 326.2 | 330.3 | 334.2 | 341.3 | 350.7 | 362.9 | 371.2 | 372.9 | 373.5 | 375.6 |
| 10° | 305.7 | 306.9 | 310.5 | 315.5 | 323.8 | 333.0 | 345.7 | 354.3 | 356.9 | 358.1 | 359.9 |
| 12.5° | 291.2 | 293.0 | 296.3 | 301.6 | 310.5 | 319.9 | 333.3 | 341.9 | 343.6 | 345.1 | 347.8 |
| 15° | 282.1 | 283.2 | 286.2 | 292.1 | 300.1 | 309.6 | 322.6 | 333.0 | 334.2 | 335.6 | 338.0 |
| 17.5° | 280.3 | 281.2 | 283.0 | 287.4 | 293.6 | 302.8 | 316.1 | 324.7 | 326.8 | 328.8 | 331.2 |
| 20° | 287.4 | 288.0 | 288.6 | 289.2 | 292.7 | 298.6 | 311.7 | 320.8 | 322.6 | 324.4 | 327.3 |
| 22.5° | 302.8 | 303.7 | 302.2 | 300.1 | 297.5 | 298.6 | 309.6 | 319.1 | 320.2 | 322.0 | 324.4 |
| 25° | 329.4 | 328.5 | 324.1 | 320.8 | 311.4 | 303.7 | 310.2 | 318.2 | 319.7 | 321.4 | 324.1 |
| 27.5° | 360.8 | 359.6 | 356.9 | 348.1 | 332.4 | 316.7 | 313.7 | 319.7 | 320.5 | 322.0 | 324.4 |
| 30° | 394.5 | 394.8 | 392.5 | 382.7 | 362.6 | 336.2 | 321.7 | 323.2 | 323.8 | 325.0 | 326.5 |
| 32.5° | 425.0 | 429.5 | 429.2 | 428.6 | 399.9 | 362.6 | 337.1 | 331.2 | 330.3 | 331.2 | 331.8 |
| 35° | 460.2 | 461.1 | 469.4 | 473.6 | 450.2 | 401.0 | 359.6 | 346.6 | 343.0 | 343.3 | 342.7 |
| 37.5° | 498.1 | 499.3 | 513.5 | 520.6 | 502.6 | 444.9 | 389.5 | 369.4 | 366.1 | 362.9 | 360.5 |
| 40° | 553.2 | 557.9 | 565.3 | 573.3 | 564.4 | 503.8 | 428.9 | 401.6 | 393.4 | 392.8 | 388.0 |
| 42.5° | 635.5 | 634.0 | 630.4 | 636.9 | 626.3 | 569.8 | 476.5 | 447.2 | 441.0 | 432.7 | 426.2 |
| 45° | 716.3 | 719.5 | 704.1 | 707.1 | 707.7 | 646.1 | 545.5 | 504.3 | 501.1 | 491.3 | 484.2 |
| 47.5° | 770.7 | 767.2 | 746.5 | 761.5 | 798.5 | 735.2 | 625.4 | 582.2 | 575.4 | 570.3 | 565.9 |
| 50° | 773.7 | 770.7 | 757.4 | 784.0 | 863.1 | 893.6 | 736.7 | 686.4 | 676.6 | 667.7 | 665.1 |
| 52.5° | 701.5 | 697.3 | 701.8 | 755.9 | 886.4 | 1026.1 | 893.8 | 815.7 | 807.7 | 800.3 | 790.0 |
| 55° | 572.7 | 577.4 | 598.5 | 676.3 | 850.6 | 1120.3 | 1203.1 | 1015.5 | 981.2 | 980.9 | 955.4 |
| 57.5° | 427.7 | 422.9 | 438.6 | 511.7 | 760.1 | 1153.7 | 1487.3 | 1440.8 | 1364.2 | 1312.4 | 1249.9 |
| 60° | 288.6 | 289.8 | 304.3 | 341.9 | 528.9 | 1117.3 | 1677.6 | 1839.5 | 1812.6 | 1801.6 | 1784.7 |
| 62.5° | 200.1 | 201.9 | 215.2 | 250.4 | 309.3 | 898.9 | 1733.2 | 2063.0 | 2111.2 | 2151.2 | 2141.4 |
| 65° | 140.0 | 140.3 | 153.6 | 208.1 | 231.7 | 461.7 | 1610.4 | 2092.5 | 2164.5 | 2233.1 | 2294.7 |
| 66° | 123.4 | 123.7 | 134.7 | 193.6 | 222.3 | 348.4 | 1503.9 | 2051.4 | 2133.4 | 2213.3 | 2276.9 |
| 67.5° | 105.7 | 107.4 | 116.0 | 164.6 | 213.1 | 268.7 | 1242.2 | 1928.6 | 2014.4 | 2102.3 | 2186.4 |
| 70° | 72.5 | 73.1 | 80.8 | 133.5 | 199.5 | 235.9 | 708.0 | 1505.6 | 1624.3 | 1778.8 | 1868.2 |
| 72.5° | 51.8 | 51.2 | 52.1 | 82.6 | 204.8 | 234.4 | 372.0 | 990.9 | 1157.0 | 1292.5 | 1389.3 |
| 75° | 46.2 | 44.7 | 40.8 | 51.2 | 149.5 | 256.0 | 249.2 | 583.4 | 709.7 | 833.2 | 932.3 |
| 77.5° | 41.1 | 38.8 | 36.7 | 39.4 | 74.0 | 241.2 | 223.8 | 334.2 | 398.7 | 490.7 | 567.1 |
| 80° | 31.4 | 29.9 | 31.1 | 34.0 | 44.4 | 222.0 | 222.3 | 222.3 | 239.7 | 269.9 | 300.1 |
| 82.5° | 20.7 | 18.9 | 21.6 | 28.1 | 33.4 | 167.2 | 229.7 | 196.2 | 193.0 | 191.8 | 193.9 |
| 85° | 13.0 | 11.2 | 15.1 | 21.0 | 25.7 | 87.3 | 235.6 | 207.2 | 192.1 | 177.6 | 163.1 |
| 87.5° | 4.7 | 5.3 | 7.7 | 12.1 | 16.9 | 37.9 | 206.6 | 182.6 | 172.3 | 154.2 | 137.3 |
| 90° | 6.2 | 5.9 | 8.5 | 11.6 | 11.8 | 14.1 | 38.7 | 58.6 | 38.4 | 23.5 | 20.7 |
| 92.5° | 4.0 | 4.0 | 5.0 | 6.0 | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 95° | 5.0 | 5.0 | 6.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.5 | 7.6 | 7.7 | 7.8 |
| 97.5° | 7.0 | 7.0 | 8.0 | 8.0 | 9.0 | 9.0 | 12.0 | 11.0 | 10.8 | 10.6 | 10.4 |
| 100° | 8.0 | 8.0 | 9.0 | 10.0 | 12.0 | 21.0 | 29.0 | 27.5 | 27.2 | 26.9 | 26.6 |
| 102.5° | 11.0 | 11.0 | 13.0 | 18.0 | 27.0 | 40.0 | 50.0 | 48.5 | 48.2 | 47.9 | 47.6 |
| 105° | 21.0 | 22.0 | 27.0 | 36.0 | 48.0 | 63.0 | 72.0 | 71.0 | 70.8 | 70.6 | 70.4 |
| 107.5° | 41.0 | 42.0 | 49.0 | 58.0 | 73.0 | 88.0 | 95.0 | 94.5 | 94.4 | 94.3 | 94.2 |



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CATALOG NUMBER: ISW-AF-350-LED-E1-SL2-8030-ULG

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 63° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 66.0 | 68.0 | 74.0 | 87.0 | 102.0 | 114.0 | 120.0 | 120.5 | 120.6 | 120.7 | 120.8 |
| 112.5° | 99.0 | 99.0 | 106.0 | 121.0 | 134.0 | 143.0 | 148.0 | 149.0 | 149.2 | 149.4 | 149.6 |
| 115° | 140.0 | 139.0 | 147.0 | 159.0 | 168.0 | 174.0 | 179.0 | 180.5 | 180.8 | 181.1 | 181.4 |
| 117.5° | 184.0 | 184.0 | 189.0 | 197.0 | 202.0 | 205.0 | 211.0 | 213.0 | 213.4 | 213.8 | 214.2 |
| 120° | 225.0 | 223.0 | 226.0 | 233.0 | 237.0 | 243.0 | 246.0 | 248.0 | 248.4 | 248.8 | 249.2 |
| 122.5° | 263.0 | 260.0 | 261.0 | 267.0 | 271.0 | 277.0 | 279.0 | 281.0 | 281.4 | 281.8 | 282.2 |
| 125° | 298.0 | 294.0 | 296.0 | 299.0 | 305.0 | 310.0 | 313.0 | 314.0 | 314.2 | 314.4 | 314.6 |
| 127.5° | 330.0 | 329.0 | 329.0 | 333.0 | 339.0 | 340.0 | 345.0 | 345.5 | 345.6 | 345.7 | 345.8 |
| 130° | 363.0 | 361.0 | 362.0 | 366.0 | 370.0 | 372.0 | 377.0 | 379.0 | 379.4 | 379.8 | 380.2 |
| 132.5° | 396.0 | 394.0 | 393.0 | 401.0 | 404.0 | 405.0 | 411.0 | 413.5 | 414.0 | 414.5 | 415.0 |
| 135° | 429.0 | 426.0 | 426.0 | 432.0 | 435.0 | 437.0 | 443.0 | 445.5 | 446.0 | 446.5 | 447.0 |
| 137.5° | 460.0 | 457.0 | 459.0 | 460.0 | 464.0 | 468.0 | 473.0 | 474.0 | 474.2 | 474.4 | 474.6 |
| 140° | 488.0 | 485.0 | 487.0 | 489.0 | 491.0 | 497.0 | 500.0 | 501.0 | 501.2 | 501.4 | 501.6 |
| 142.5° | 518.0 | 515.0 | 517.0 | 518.0 | 521.0 | 525.0 | 527.0 | 530.0 | 530.6 | 531.2 | 531.8 |
| 145° | 550.0 | 546.0 | 544.0 | 547.0 | 550.0 | 551.0 | 556.0 | 559.0 | 559.6 | 560.2 | 560.8 |
| 147.5° | 575.0 | 572.0 | 571.0 | 574.0 | 574.0 | 575.0 | 580.0 | 582.5 | 583.0 | 583.5 | 584.0 |
| 150° | 595.0 | 592.0 | 593.0 | 593.0 | 593.0 | 593.0 | 597.0 | 598.5 | 598.8 | 599.1 | 599.4 |
| 152.5° | 611.0 | 608.0 | 608.0 | 609.0 | 610.0 | 610.0 | 611.0 | 612.5 | 612.8 | 613.1 | 613.4 |
| 155° | 629.0 | 625.0 | 625.0 | 627.0 | 630.0 | 628.0 | 626.0 | 628.5 | 629.0 | 629.5 | 630.0 |
| 157.5° | 646.0 | 643.0 | 643.0 | 644.0 | 646.0 | 645.0 | 644.0 | 646.0 | 646.4 | 646.8 | 647.2 |
| 160° | 663.0 | 660.0 | 659.0 | 656.0 | 655.0 | 655.0 | 658.0 | 661.0 | 661.6 | 662.2 | 662.8 |
| 162.5° | 673.0 | 669.0 | 669.0 | 665.0 | 661.0 | 663.0 | 667.0 | 669.0 | 669.4 | 669.8 | 670.2 |
| 165° | 681.0 | 678.0 | 676.0 | 676.0 | 673.0 | 673.0 | 672.0 | 674.5 | 675.0 | 675.5 | 676.0 |
| 167.5° | 690.0 | 687.0 | 684.0 | 686.0 | 688.0 | 685.0 | 678.0 | 681.0 | 681.6 | 682.2 | 682.8 |
| 170° | 698.0 | 695.0 | 692.0 | 692.0 | 693.0 | 691.0 | 686.0 | 687.5 | 687.8 | 688.1 | 688.4 |
| 172.5° | 699.0 | 697.0 | 695.0 | 693.0 | 690.0 | 690.0 | 689.0 | 690.5 | 690.8 | 691.1 | 691.4 |
| 175° | 700.0 | 698.0 | 697.0 | 695.0 | 691.0 | 690.0 | 690.0 | 692.5 | 693.0 | 693.5 | 694.0 |
| 177.5° | 707.0 | 705.0 | 700.0 | 699.0 | 697.0 | 695.0 | 694.0 | 696.5 | 697.0 | 697.5 | 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 |

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CATALOG NUMBER: ISW-AF-350-LED-E1-SL2-8030-ULG

CANDELA DISTRIBUTION (continued):

| | 64° | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 |
| 2.5° | 406.7 | 408.2 | 408.7 | 408.2 | 408.4 | 410.2 | 409.6 | 410.5 | 410.5 | 411.1 | 411.1 |
| 5° | 393.4 | 394.5 | 396.9 | 396.6 | 399.0 | 399.9 | 400.8 | 401.9 | 403.4 | 404.3 | 406.1 |
| 7.5° | 377.7 | 380.0 | 382.1 | 383.3 | 384.8 | 387.7 | 388.6 | 391.3 | 393.6 | 396.0 | 397.8 |
| 10° | 362.6 | 365.8 | 368.2 | 369.1 | 372.3 | 373.8 | 377.1 | 379.1 | 382.1 | 385.1 | 387.7 |
| 12.5° | 349.8 | 352.8 | 354.0 | 356.9 | 359.9 | 362.9 | 364.3 | 368.2 | 371.2 | 375.0 | 378.6 |
| 15° | 340.4 | 343.3 | 345.7 | 347.8 | 350.7 | 353.7 | 356.1 | 359.9 | 363.5 | 367.3 | 370.6 |
| 17.5° | 334.5 | 336.2 | 339.2 | 341.0 | 344.5 | 348.1 | 350.7 | 355.2 | 359.0 | 362.3 | 366.7 |
| 20° | 330.0 | 332.1 | 334.7 | 337.4 | 340.7 | 345.1 | 347.5 | 352.2 | 356.4 | 360.2 | 364.3 |
| 22.5° | 327.6 | 329.7 | 332.4 | 335.0 | 338.6 | 342.1 | 346.0 | 350.1 | 354.6 | 358.7 | 362.9 |
| 25° | 326.8 | 328.5 | 330.9 | 333.6 | 337.4 | 341.3 | 344.5 | 349.3 | 353.1 | 357.5 | 362.6 |
| 27.5° | 327.1 | 328.2 | 330.9 | 333.3 | 337.1 | 340.7 | 343.9 | 348.7 | 353.1 | 357.2 | 362.3 |
| 30° | 328.2 | 329.1 | 331.8 | 333.9 | 337.1 | 340.7 | 343.6 | 348.7 | 352.5 | 356.9 | 362.3 |
| 32.5° | 332.4 | 333.6 | 334.7 | 336.2 | 339.2 | 341.9 | 345.4 | 349.8 | 353.4 | 357.8 | 362.3 |
| 35° | 342.1 | 341.3 | 342.1 | 342.7 | 344.8 | 347.5 | 350.1 | 354.0 | 357.2 | 361.1 | 365.8 |
| 37.5° | 357.5 | 355.8 | 356.4 | 356.1 | 356.1 | 357.8 | 360.5 | 363.2 | 365.8 | 369.7 | 374.4 |
| 40° | 386.0 | 381.5 | 380.3 | 377.1 | 376.2 | 377.7 | 379.4 | 379.7 | 383.0 | 388.0 | 390.1 |
| 42.5° | 422.7 | 416.7 | 417.6 | 412.3 | 410.8 | 409.0 | 411.4 | 409.9 | 412.0 | 415.3 | 419.7 |
| 45° | 480.7 | 475.0 | 469.1 | 460.5 | 462.3 | 455.8 | 454.0 | 454.6 | 454.3 | 455.5 | 460.8 |
| 47.5° | 549.9 | 542.5 | 538.7 | 535.4 | 529.2 | 525.4 | 520.3 | 512.9 | 514.7 | 517.1 | 521.8 |
| 50° | 651.1 | 648.8 | 641.4 | 630.7 | 629.2 | 623.6 | 622.1 | 615.6 | 613.3 | 613.0 | 612.7 |
| 52.5° | 786.4 | 771.0 | 768.1 | 758.0 | 750.3 | 745.0 | 743.2 | 734.0 | 724.8 | 730.2 | 729.6 |
| 55° | 951.3 | 938.5 | 922.3 | 913.4 | 907.2 | 894.4 | 891.2 | 879.6 | 874.3 | 871.4 | 864.0 |
| 57.5° | 1228.3 | 1183.6 | 1150.2 | 1133.6 | 1110.2 | 1086.5 | 1078.2 | 1054.6 | 1036.2 | 1023.2 | 1024.1 |
| 60° | 1711.3 | 1631.7 | 1537.9 | 1495.9 | 1398.5 | 1384.3 | 1317.4 | 1301.1 | 1260.9 | 1234.2 | 1218.8 |
| 62.5° | 2134.6 | 2113.0 | 2068.0 | 2006.7 | 1909.0 | 1796.6 | 1746.0 | 1645.3 | 1566.6 | 1532.3 | 1484.6 |
| 65° | 2336.7 | 2367.2 | 2379.6 | 2368.1 | 2329.0 | 2260.4 | 2200.0 | 2101.7 | 1969.7 | 1895.1 | 1802.5 |
| 66° | 2326.4 | 2371.7 | 2394.4 | 2406.3 | 2392.1 | 2351.5 | 2288.2 | 2207.4 | 2105.3 | 1991.6 | 1887.7 |
| 67.5° | 2250.6 | 2294.7 | 2326.4 | 2362.5 | 2362.5 | 2349.8 | 2324.0 | 2270.1 | 2197.9 | 2098.8 | 2005.5 |
| 70° | 1941.0 | 2000.8 | 2056.7 | 2067.7 | 2098.5 | 2089.0 | 2109.4 | 2075.1 | 2057.9 | 2016.5 | 1966.5 |
| 72.5° | 1512.1 | 1562.2 | 1610.1 | 1658.1 | 1650.1 | 1639.7 | 1637.6 | 1644.7 | 1609.8 | 1622.2 | 1609.2 |
| 75° | 1005.7 | 1091.9 | 1141.0 | 1136.3 | 1139.5 | 1142.2 | 1120.3 | 1071.4 | 1109.3 | 1061.4 | 1077.4 |
| 77.5° | 611.2 | 651.1 | 664.5 | 649.7 | 630.4 | 605.6 | 565.6 | 542.2 | 508.8 | 511.4 | 489.2 |
| 80° | 320.5 | 325.6 | 314.9 | 285.0 | 268.7 | 253.9 | 208.4 | 187.9 | 169.0 | 161.9 | 145.9 |
| 82.5° | 183.8 | 171.7 | 158.6 | 148.6 | 129.3 | 116.3 | 98.6 | 87.3 | 75.2 | 64.5 | 60.7 |
| 85° | 148.9 | 132.6 | 120.5 | 109.2 | 96.2 | 84.6 | 69.9 | 58.3 | 49.4 | 42.9 | 41.4 |
| 87.5° | 122.8 | 111.6 | 99.2 | 88.5 | 75.8 | 63.9 | 49.4 | 38.5 | 30.5 | 24.6 | 22.8 |
| 90° | 19.8 | 23.8 | 19.7 | 14.9 | 17.9 | 13.7 | 11.7 | 12.0 | 11.4 | 11.4 | 11.7 |
| 92.5° | 7.0 | 7.0 | 6.9 | 6.8 | 6.7 | 6.6 | 6.5 | 6.4 | 6.3 | 6.2 | 6.1 |
| 95° | 7.9 | 8.0 | 7.9 | 7.8 | 7.7 | 7.6 | 7.5 | 7.4 | 7.3 | 7.2 | 7.1 |
| 97.5° | 10.2 | 10.0 | 9.9 | 9.8 | 9.7 | 9.6 | 9.5 | 9.4 | 9.3 | 9.2 | 9.1 |
| 100° | 26.3 | 26.0 | 25.7 | 25.4 | 25.1 | 24.8 | 24.5 | 24.2 | 23.9 | 23.6 | 23.3 |
| 102.5° | 47.3 | 47.0 | 46.5 | 46.0 | 45.5 | 45.0 | 44.5 | 44.0 | 43.5 | 43.0 | 42.5 |
| 105° | 70.2 | 70.0 | 69.5 | 69.0 | 68.5 | 68.0 | 67.5 | 67.0 | 66.5 | 66.0 | 65.5 |
| 107.5° | 94.1 | 94.0 | 93.6 | 93.2 | 92.8 | 92.4 | 92.0 | 91.6 | 91.2 | 90.8 | 90.4 |



REPORT NUMBER: P226766

CATALOG NUMBER: ISW-AF-350-LED-E1-SL2-8030-ULG

CANDELA DISTRIBUTION (continued):

| | 64° | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 120.9 | 121.0 | 120.8 | 120.6 | 120.4 | 120.2 | 120.0 | 119.8 | 119.6 | 119.4 | 119.2 |
| 112.5° | 149.8 | 150.0 | 149.9 | 149.8 | 149.7 | 149.6 | 149.5 | 149.4 | 149.3 | 149.2 | 149.1 |
| 115° | 181.7 | 182.0 | 181.7 | 181.4 | 181.1 | 180.8 | 180.5 | 180.2 | 179.9 | 179.6 | 179.3 |
| 117.5° | 214.6 | 215.0 | 214.5 | 214.0 | 213.5 | 213.0 | 212.5 | 212.0 | 211.5 | 211.0 | 210.5 |
| 120° | 249.6 | 250.0 | 249.5 | 249.0 | 248.5 | 248.0 | 247.5 | 247.0 | 246.5 | 246.0 | 245.5 |
| 122.5° | 282.6 | 283.0 | 282.5 | 282.0 | 281.5 | 281.0 | 280.5 | 280.0 | 279.5 | 279.0 | 278.5 |
| 125° | 314.8 | 315.0 | 314.5 | 314.0 | 313.5 | 313.0 | 312.5 | 312.0 | 311.5 | 311.0 | 310.5 |
| 127.5° | 345.9 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 |
| 130° | 380.6 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 |
| 132.5° | 415.5 | 416.0 | 415.8 | 415.6 | 415.4 | 415.2 | 415.0 | 414.8 | 414.6 | 414.4 | 414.2 |
| 135° | 447.5 | 448.0 | 447.9 | 447.8 | 447.7 | 447.6 | 447.5 | 447.4 | 447.3 | 447.2 | 447.1 |
| 137.5° | 474.8 | 475.0 | 475.1 | 475.2 | 475.3 | 475.4 | 475.5 | 475.6 | 475.7 | 475.8 | 475.9 |
| 140° | 501.8 | 502.0 | 502.2 | 502.4 | 502.6 | 502.8 | 503.0 | 503.2 | 503.4 | 503.6 | 503.8 |
| 142.5° | 532.4 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 |
| 145° | 561.4 | 562.0 | 561.9 | 561.8 | 561.7 | 561.6 | 561.5 | 561.4 | 561.3 | 561.2 | 561.1 |
| 147.5° | 584.5 | 585.0 | 585.1 | 585.2 | 585.3 | 585.4 | 585.5 | 585.6 | 585.7 | 585.8 | 585.9 |
| 150° | 599.7 | 600.0 | 600.3 | 600.6 | 600.9 | 601.2 | 601.5 | 601.8 | 602.1 | 602.4 | 602.7 |
| 152.5° | 613.7 | 614.0 | 614.4 | 614.8 | 615.2 | 615.6 | 616.0 | 616.4 | 616.8 | 617.2 | 617.6 |
| 155° | 630.5 | 631.0 | 631.5 | 632.0 | 632.5 | 633.0 | 633.5 | 634.0 | 634.5 | 635.0 | 635.5 |
| 157.5° | 647.6 | 648.0 | 648.2 | 648.4 | 648.6 | 648.8 | 649.0 | 649.2 | 649.4 | 649.6 | 649.8 |
| 160° | 663.4 | 664.0 | 663.7 | 663.4 | 663.1 | 662.8 | 662.5 | 662.2 | 661.9 | 661.6 | 661.3 |
| 162.5° | 670.6 | 671.0 | 670.9 | 670.8 | 670.7 | 670.6 | 670.5 | 670.4 | 670.3 | 670.2 | 670.1 |
| 165° | 676.5 | 677.0 | 677.3 | 677.6 | 677.9 | 678.2 | 678.5 | 678.8 | 679.1 | 679.4 | 679.7 |
| 167.5° | 683.4 | 684.0 | 684.4 | 684.8 | 685.2 | 685.6 | 686.0 | 686.4 | 686.8 | 687.2 | 687.6 |
| 170° | 688.7 | 689.0 | 689.5 | 690.0 | 690.5 | 691.0 | 691.5 | 692.0 | 692.5 | 693.0 | 693.5 |
| 172.5° | 691.7 | 692.0 | 692.2 | 692.4 | 692.6 | 692.8 | 693.0 | 693.2 | 693.4 | 693.6 | 693.8 |
| 175° | 694.5 | 695.0 | 695.1 | 695.2 | 695.3 | 695.4 | 695.5 | 695.6 | 695.7 | 695.8 | 695.9 |
| 177.5° | 698.5 | 699.0 | 699.2 | 699.4 | 699.6 | 699.8 | 700.0 | 700.2 | 700.4 | 700.6 | 700.8 |
| 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: P226766

CATALOG NUMBER: ISW-AF-350-LED-E1-SL2-8030-ULG

CANDELA DISTRIBUTION (continued):

| | 75° | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 |
| 2.5° | 412.0 | 412.0 | 412.6 | 413.2 | 413.5 | 413.5 | 413.5 | 414.1 | 414.4 | 413.5 | 414.4 |
| 5° | 407.0 | 408.4 | 409.6 | 410.5 | 410.8 | 411.7 | 412.6 | 413.2 | 414.1 | 414.1 | 414.7 |
| 7.5° | 400.2 | 402.8 | 404.3 | 405.8 | 407.3 | 408.7 | 410.5 | 411.7 | 412.3 | 413.5 | 414.4 |
| 10° | 391.6 | 394.8 | 397.8 | 400.2 | 402.2 | 405.2 | 407.6 | 409.3 | 412.0 | 412.3 | 414.4 |
| 12.5° | 382.4 | 387.1 | 389.5 | 393.9 | 396.9 | 401.3 | 403.7 | 406.4 | 409.3 | 410.8 | 413.2 |
| 15° | 375.9 | 380.0 | 384.5 | 388.6 | 393.4 | 398.7 | 401.6 | 405.2 | 409.3 | 412.6 | 415.5 |
| 17.5° | 370.9 | 376.5 | 381.5 | 386.8 | 392.8 | 398.4 | 402.8 | 406.7 | 412.0 | 413.8 | 416.7 |
| 20° | 369.4 | 375.6 | 380.6 | 386.2 | 392.5 | 399.9 | 405.2 | 409.3 | 414.7 | 417.6 | 420.3 |
| 22.5° | 368.8 | 374.7 | 380.6 | 387.4 | 394.2 | 401.9 | 407.6 | 412.9 | 418.2 | 420.9 | 422.9 |
| 25° | 368.2 | 374.4 | 380.9 | 388.6 | 396.0 | 404.0 | 410.5 | 415.5 | 420.6 | 423.2 | 425.0 |
| 27.5° | 368.2 | 374.7 | 381.8 | 389.5 | 397.5 | 406.4 | 412.6 | 417.3 | 421.8 | 424.1 | 424.7 |
| 30° | 367.9 | 374.7 | 381.5 | 390.1 | 398.7 | 407.9 | 414.7 | 419.1 | 422.9 | 424.4 | 423.8 |
| 32.5° | 368.5 | 375.6 | 383.0 | 391.6 | 400.5 | 409.3 | 416.4 | 421.5 | 423.5 | 423.2 | 422.9 |
| 35° | 371.4 | 378.0 | 386.5 | 395.1 | 404.3 | 412.6 | 419.4 | 422.9 | 424.7 | 424.1 | 422.7 |
| 37.5° | 379.4 | 386.0 | 394.5 | 404.0 | 411.1 | 420.6 | 426.8 | 429.5 | 429.8 | 428.0 | 424.4 |
| 40° | 396.0 | 402.5 | 410.2 | 420.6 | 429.2 | 435.7 | 441.6 | 444.6 | 442.8 | 439.5 | 435.7 |
| 42.5° | 422.4 | 430.6 | 439.8 | 448.1 | 458.2 | 467.0 | 468.5 | 470.3 | 467.3 | 461.1 | 456.4 |
| 45° | 464.7 | 469.7 | 481.6 | 487.8 | 500.8 | 505.2 | 508.5 | 509.4 | 502.9 | 497.8 | 489.5 |
| 47.5° | 525.7 | 535.4 | 543.7 | 549.6 | 559.1 | 565.0 | 571.5 | 568.6 | 563.5 | 555.0 | 544.0 |
| 50° | 621.5 | 627.8 | 638.4 | 649.1 | 659.1 | 663.3 | 663.3 | 660.3 | 657.1 | 640.5 | 627.2 |
| 52.5° | 739.3 | 739.9 | 755.3 | 768.1 | 776.6 | 770.4 | 777.8 | 770.4 | 768.4 | 756.8 | 745.9 |
| 55° | 875.8 | 870.2 | 888.8 | 900.1 | 907.8 | 915.2 | 913.7 | 912.8 | 905.1 | 892.1 | 878.8 |
| 57.5° | 1005.4 | 1021.7 | 1030.6 | 1047.2 | 1051.0 | 1056.0 | 1054.0 | 1051.0 | 1046.6 | 1039.2 | 1033.3 |
| 60° | 1192.5 | 1203.4 | 1211.4 | 1214.7 | 1225.6 | 1227.1 | 1234.5 | 1222.4 | 1225.3 | 1216.8 | 1198.1 |
| 62.5° | 1447.0 | 1435.2 | 1441.4 | 1441.4 | 1438.1 | 1426.6 | 1432.8 | 1437.6 | 1429.6 | 1422.5 | 1419.5 |
| 65° | 1732.0 | 1693.9 | 1657.2 | 1651.0 | 1634.1 | 1630.2 | 1625.5 | 1613.7 | 1608.6 | 1596.2 | 1586.1 |
| 66° | 1817.3 | 1758.1 | 1723.5 | 1702.2 | 1681.7 | 1677.3 | 1670.8 | 1658.4 | 1648.3 | 1630.8 | 1614.0 |
| 67.5° | 1912.9 | 1836.5 | 1784.4 | 1754.2 | 1729.1 | 1712.5 | 1699.5 | 1681.7 | 1665.8 | 1639.7 | 1612.8 |
| 70° | 1906.7 | 1843.6 | 1780.9 | 1735.0 | 1697.1 | 1663.1 | 1643.0 | 1604.8 | 1572.2 | 1534.9 | 1504.1 |
| 72.5° | 1602.1 | 1590.9 | 1554.5 | 1528.7 | 1482.2 | 1464.2 | 1410.9 | 1386.6 | 1341.7 | 1293.4 | 1278.6 |
| 75° | 1113.8 | 1069.7 | 1051.0 | 1040.7 | 1020.2 | 964.0 | 927.3 | 935.3 | 882.6 | 835.5 | 808.6 |
| 77.5° | 486.9 | 495.8 | 444.3 | 421.2 | 403.4 | 372.9 | 344.5 | 325.0 | 313.7 | 306.3 | 272.9 |
| 80° | 134.7 | 117.5 | 116.0 | 107.7 | 106.0 | 94.4 | 95.9 | 87.6 | 82.0 | 80.8 | 78.1 |
| 82.5° | 58.9 | 57.7 | 55.9 | 55.1 | 54.2 | 53.0 | 51.5 | 51.2 | 49.4 | 47.9 | 48.2 |
| 85° | 39.1 | 38.8 | 37.9 | 37.0 | 35.5 | 33.4 | 32.0 | 30.8 | 31.1 | 29.6 | 29.3 |
| 87.5° | 22.8 | 22.2 | 21.9 | 20.7 | 20.4 | 18.6 | 18.9 | 17.5 | 17.2 | 16.9 | 16.0 |
| 90° | 12.3 | 12.4 | 13.0 | 12.5 | 11.2 | 13.6 | 12.5 | 11.7 | 11.8 | 10.8 | 10.6 |
| 92.5° | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| 95° | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 97.5° | 9.0 | 8.9 | 8.8 | 8.7 | 8.6 | 8.5 | 8.4 | 8.3 | 8.2 | 8.1 | 8.0 |
| 100° | 23.0 | 22.6 | 22.2 | 21.8 | 21.4 | 21.0 | 20.6 | 20.2 | 19.8 | 19.4 | 19.0 |
| 102.5° | 42.0 | 41.7 | 41.4 | 41.1 | 40.8 | 40.5 | 40.2 | 39.9 | 39.6 | 39.3 | 39.0 |
| 105° | 65.0 | 64.6 | 64.2 | 63.8 | 63.4 | 63.0 | 62.6 | 62.2 | 61.8 | 61.4 | 61.0 |
| 107.5° | 90.0 | 89.7 | 89.4 | 89.1 | 88.8 | 88.5 | 88.2 | 87.9 | 87.6 | 87.3 | 87.0 |



REPORT NUMBER: P226766
 CATALOG NUMBER: ISW-AF-350-LED-E1-SL2-8030-ULG

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 75° | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 110° | 119.0 | 118.7 | 118.4 | 118.1 | 117.8 | 117.5 | 117.2 | 116.9 | 116.6 | 116.3 | 116.0 | 0° |
| 112.5° | 149.0 | 148.8 | 148.6 | 148.4 | 148.2 | 148.0 | 147.8 | 147.6 | 147.4 | 147.2 | 147.0 | 2.5° |
| 115° | 179.0 | 178.8 | 178.6 | 178.4 | 178.2 | 178.0 | 177.8 | 177.6 | 177.4 | 177.2 | 177.0 | 5° |
| 117.5° | 210.0 | 209.8 | 209.6 | 209.4 | 209.2 | 209.0 | 208.8 | 208.6 | 208.4 | 208.2 | 208.0 | 7.5° |
| 120° | 245.0 | 244.8 | 244.6 | 244.4 | 244.2 | 244.0 | 243.8 | 243.6 | 243.4 | 243.2 | 243.0 | 10° |
| 122.5° | 278.0 | 277.8 | 277.6 | 277.4 | 277.2 | 277.0 | 276.8 | 276.6 | 276.4 | 276.2 | 276.0 | 12.5° |
| 125° | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 15° |
| 127.5° | 346.0 | 345.9 | 345.8 | 345.7 | 345.6 | 345.5 | 345.4 | 345.3 | 345.2 | 345.1 | 345.0 | 17.5° |
| 130° | 381.0 | 380.8 | 380.6 | 380.4 | 380.2 | 380.0 | 379.8 | 379.6 | 379.4 | 379.2 | 379.0 | 20° |
| 132.5° | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 22.5° |
| 135° | 447.0 | 447.3 | 447.6 | 447.9 | 448.2 | 448.5 | 448.8 | 449.1 | 449.4 | 449.7 | 450.0 | 25° |
| 137.5° | 476.0 | 476.5 | 477.0 | 477.5 | 478.0 | 478.5 | 479.0 | 479.5 | 480.0 | 480.5 | 481.0 | 27.5° |
| 140° | 504.0 | 504.5 | 505.0 | 505.5 | 506.0 | 506.5 | 507.0 | 507.5 | 508.0 | 508.5 | 509.0 | 30° |
| 142.5° | 533.0 | 533.1 | 533.2 | 533.3 | 533.4 | 533.5 | 533.6 | 533.7 | 533.8 | 533.9 | 534.0 | 32.5° |
| 145° | 561.0 | 560.7 | 560.4 | 560.1 | 559.8 | 559.5 | 559.2 | 558.9 | 558.6 | 558.3 | 558.0 | 35° |
| 147.5° | 586.0 | 585.7 | 585.4 | 585.1 | 584.8 | 584.5 | 584.2 | 583.9 | 583.6 | 583.3 | 583.0 | 37.5° |
| 150° | 603.0 | 603.3 | 603.6 | 603.9 | 604.2 | 604.5 | 604.8 | 605.1 | 605.4 | 605.7 | 606.0 | 40° |
| 152.5° | 618.0 | 618.5 | 619.0 | 619.5 | 620.0 | 620.5 | 621.0 | 621.5 | 622.0 | 622.5 | 623.0 | 42.5° |
| 155° | 636.0 | 636.2 | 636.4 | 636.6 | 636.8 | 637.0 | 637.2 | 637.4 | 637.6 | 637.8 | 638.0 | 45° |
| 157.5° | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 47.5° |
| 160° | 661.0 | 660.9 | 660.8 | 660.7 | 660.6 | 660.5 | 660.4 | 660.3 | 660.2 | 660.1 | 660.0 | 50° |
| 162.5° | 670.0 | 669.8 | 669.6 | 669.4 | 669.2 | 669.0 | 668.8 | 668.6 | 668.4 | 668.2 | 668.0 | 52.5° |
| 165° | 680.0 | 679.8 | 679.6 | 679.4 | 679.2 | 679.0 | 678.8 | 678.6 | 678.4 | 678.2 | 678.0 | 55° |
| 167.5° | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 57.5° |
| 170° | 694.0 | 694.2 | 694.4 | 694.6 | 694.8 | 695.0 | 695.2 | 695.4 | 695.6 | 695.8 | 696.0 | 60° |
| 172.5° | 694.0 | 694.2 | 694.4 | 694.6 | 694.8 | 695.0 | 695.2 | 695.4 | 695.6 | 695.8 | 696.0 | 62.5° |
| 175° | 696.0 | 695.8 | 695.6 | 695.4 | 695.2 | 695.0 | 694.8 | 694.6 | 694.4 | 694.2 | 694.0 | 65° |
| 177.5° | 701.0 | 700.7 | 700.4 | 700.1 | 699.8 | 699.5 | 699.2 | 698.9 | 698.6 | 698.3 | 698.0 | 66° |
| 180° | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 67.5° |
| | | | | | | | | | | | | 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: P226766
 NUMBER: ISW-AF-350-LED-E1-SL2-8030-ULG

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

| 86° | 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 86° | |
|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|-------|
| 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 414.7 | 110° | 116.2 |
| 415.3 | 415.8 | 416.1 | 415.8 | 416.4 | 416.1 | 416.4 | 416.1 | 414.7 | 414.4 | 414.1 | 112.5° | 147.0 |
| 415.8 | 417.0 | 417.3 | 417.6 | 417.0 | 417.6 | 416.4 | 411.7 | 406.4 | 400.5 | 395.7 | 115° | 177.2 |
| 416.4 | 417.9 | 418.8 | 418.8 | 419.1 | 418.5 | 414.1 | 403.7 | 391.3 | 378.8 | 369.4 | 117.5° | 208.2 |
| 416.1 | 418.2 | 419.1 | 419.4 | 419.4 | 418.2 | 407.6 | 391.0 | 372.0 | 353.1 | 333.9 | 120° | 243.0 |
| 415.3 | 417.0 | 418.5 | 418.5 | 418.8 | 414.7 | 398.1 | 374.4 | 347.5 | 319.1 | 293.3 | 122.5° | 276.2 |
| 417.0 | 418.8 | 418.8 | 418.8 | 418.5 | 411.4 | 388.0 | 353.7 | 317.6 | 279.1 | 240.9 | 125° | 310.0 |
| 419.7 | 420.6 | 420.0 | 420.0 | 418.8 | 408.2 | 376.8 | 333.3 | 285.9 | 235.0 | 181.7 | 127.5° | 345.4 |
| 422.1 | 422.7 | 422.4 | 420.9 | 419.4 | 404.6 | 365.2 | 311.7 | 248.0 | 181.7 | 128.7 | 130° | 379.2 |
| 424.4 | 425.0 | 423.5 | 421.2 | 419.1 | 399.9 | 351.3 | 284.1 | 205.1 | 124.3 | 85.2 | 132.5° | 414.2 |
| 424.7 | 425.3 | 422.7 | 419.4 | 416.4 | 392.8 | 334.5 | 254.8 | 158.1 | 80.5 | 66.6 | 135° | 450.2 |
| 424.4 | 423.8 | 419.4 | 415.3 | 412.0 | 384.2 | 315.8 | 218.4 | 105.4 | 60.7 | 58.0 | 137.5° | 481.2 |
| 422.4 | 419.7 | 416.1 | 411.4 | 406.7 | 374.7 | 297.2 | 177.9 | 66.6 | 52.7 | 52.7 | 140° | 509.4 |
| 419.4 | 416.7 | 412.3 | 406.1 | 400.8 | 365.5 | 275.8 | 136.4 | 53.3 | 48.5 | 49.1 | 142.5° | 534.4 |
| 418.2 | 415.3 | 408.7 | 402.2 | 395.4 | 357.2 | 253.4 | 91.8 | 47.9 | 45.9 | 46.2 | 145° | 558.4 |
| 420.6 | 415.5 | 409.0 | 401.6 | 393.6 | 350.1 | 230.0 | 63.9 | 45.3 | 42.9 | 43.5 | 147.5° | 583.4 |
| 428.6 | 423.8 | 416.1 | 406.7 | 398.1 | 346.0 | 205.1 | 53.0 | 42.6 | 40.5 | 40.5 | 150° | 606.8 |
| 447.8 | 441.6 | 431.2 | 420.0 | 409.6 | 348.7 | 182.9 | 48.2 | 40.5 | 38.5 | 38.5 | 152.5° | 624.0 |
| 478.9 | 471.5 | 459.4 | 446.6 | 433.0 | 361.7 | 157.8 | 46.5 | 39.1 | 36.1 | 35.5 | 155° | 638.6 |
| 532.2 | 522.4 | 506.4 | 491.3 | 475.0 | 384.2 | 132.3 | 45.3 | 37.3 | 34.6 | 33.4 | 157.5° | 651.0 |
| 615.9 | 601.4 | 582.5 | 562.6 | 542.8 | 425.3 | 112.2 | 44.1 | 36.1 | 33.4 | 32.3 | 160° | 661.2 |
| 723.7 | 713.9 | 690.2 | 664.2 | 640.5 | 507.3 | 100.6 | 43.2 | 35.2 | 32.0 | 31.1 | 162.5° | 669.2 |
| 861.0 | 845.0 | 826.4 | 803.0 | 774.9 | 613.6 | 99.4 | 42.9 | 34.3 | 30.8 | 30.2 | 165° | 678.8 |
| 1006.0 | 999.8 | 968.1 | 953.6 | 923.1 | 755.0 | 121.1 | 43.5 | 33.7 | 29.9 | 29.0 | 167.5° | 689.2 |
| 1171.5 | 1173.8 | 1144.2 | 1128.3 | 1103.1 | 934.4 | 192.7 | 45.3 | 33.7 | 29.0 | 28.1 | 170° | 697.0 |
| 1387.8 | 1391.7 | 1356.8 | 1337.8 | 1316.5 | 1135.4 | 302.8 | 48.2 | 34.6 | 28.1 | 27.2 | 172.5° | 697.0 |
| 1565.1 | 1544.4 | 1521.9 | 1488.8 | 1461.8 | 1247.5 | 291.5 | 53.6 | 35.8 | 27.2 | 26.3 | 175° | 695.0 |
| 1583.5 | 1568.7 | 1540.3 | 1504.4 | 1471.6 | 1248.1 | 254.5 | 55.3 | 36.1 | 26.9 | 26.0 | 177.5° | 698.8 |
| 1581.1 | 1554.8 | 1522.5 | 1492.3 | 1460.0 | 1216.2 | 196.8 | 57.7 | 37.0 | 26.3 | 25.5 | 180° | 700.0 |
| 1471.6 | 1434.6 | 1403.2 | 1361.5 | 1327.7 | 1088.3 | 121.1 | 57.4 | 35.8 | 24.6 | 24.0 | | |
| 1213.5 | 1194.6 | 1157.3 | 1123.8 | 1088.6 | 880.8 | 82.9 | 51.2 | 31.7 | 22.2 | 22.5 | | |
| 784.9 | 763.3 | 725.4 | 706.5 | 686.7 | 563.5 | 64.5 | 41.7 | 26.9 | 19.8 | 20.7 | | |
| 261.9 | 253.4 | 239.4 | 247.1 | 235.6 | 219.6 | 47.4 | 31.7 | 21.6 | 17.2 | 18.4 | | |
| 78.4 | 76.7 | 79.3 | 74.6 | 79.0 | 66.9 | 31.1 | 22.2 | 16.6 | 14.8 | 16.3 | | |
| 46.5 | 45.9 | 45.9 | 45.9 | 44.7 | 41.7 | 20.4 | 15.4 | 12.7 | 12.4 | 13.6 | | |
| 28.4 | 27.8 | 28.1 | 27.8 | 28.4 | 25.5 | 13.9 | 10.7 | 9.5 | 9.2 | 11.0 | | |
| 16.3 | 16.3 | 16.6 | 16.0 | 16.3 | 15.7 | 9.8 | 6.8 | 6.2 | 5.9 | 8.0 | | |
| 10.8 | 10.8 | 10.0 | 9.7 | 10.0 | 11.1 | 11.7 | 11.1 | 8.8 | 8.5 | 10.7 | | |
| 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 7.0 | 7.0 | 6.0 | 6.0 | | |
| 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 8.0 | 7.0 | 7.0 | 7.0 | | |
| 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 9.0 | 10.0 | 12.0 | 9.0 | 9.0 | | |
| 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 23.0 | 26.0 | 29.0 | 21.0 | 12.0 | | |
| 38.8 | 38.6 | 38.4 | 38.2 | 38.0 | 39.0 | 42.0 | 47.0 | 50.0 | 40.0 | 27.0 | | |
| 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 65.0 | 70.0 | 72.0 | 63.0 | 48.0 | | |
| 86.8 | 86.6 | 86.4 | 86.2 | 86.0 | 87.0 | 90.0 | 94.0 | 95.0 | 88.0 | 73.0 | | |

'226766
 ISW-AF-350-LED-E1-SL2-8030-ULG

REPORT NUMBER: P226766
 CATALOG NUMBER: ISW-AF-3!

TION (continued):

CANDELA DISTRIBUTION (con

| 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | | 155° | 165° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| 116.4 | 116.6 | 116.8 | 117.0 | 116.0 | 119.0 | 121.0 | 120.0 | 114.0 | 102.0 | 0° | 414.7 | 414.7 |
| 147.0 | 147.0 | 147.0 | 147.0 | 147.0 | 149.0 | 150.0 | 148.0 | 143.0 | 134.0 | 2.5° | 411.7 | 409.6 |
| 177.4 | 177.6 | 177.8 | 178.0 | 177.0 | 179.0 | 182.0 | 179.0 | 174.0 | 168.0 | 5° | 388.3 | 382.7 |
| 208.4 | 208.6 | 208.8 | 209.0 | 208.0 | 210.0 | 215.0 | 211.0 | 205.0 | 202.0 | 7.5° | 354.6 | 348.1 |
| 243.0 | 243.0 | 243.0 | 243.0 | 243.0 | 245.0 | 250.0 | 246.0 | 243.0 | 237.0 | 10° | 316.1 | 306.3 |
| 276.4 | 276.6 | 276.8 | 277.0 | 276.0 | 278.0 | 283.0 | 279.0 | 277.0 | 271.0 | 12.5° | 267.0 | 247.7 |
| 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 315.0 | 313.0 | 310.0 | 305.0 | 15° | 210.1 | 184.4 |
| 345.8 | 346.2 | 346.6 | 347.0 | 345.0 | 346.0 | 346.0 | 345.0 | 340.0 | 339.0 | 17.5° | 144.7 | 124.0 |
| 379.4 | 379.6 | 379.8 | 380.0 | 379.0 | 381.0 | 381.0 | 377.0 | 372.0 | 370.0 | 20° | 101.5 | 93.8 |
| 414.4 | 414.6 | 414.8 | 415.0 | 414.0 | 414.0 | 416.0 | 411.0 | 405.0 | 404.0 | 22.5° | 78.4 | 78.7 |
| 450.4 | 450.6 | 450.8 | 451.0 | 450.0 | 447.0 | 448.0 | 443.0 | 437.0 | 435.0 | 25° | 65.1 | 68.1 |
| 481.4 | 481.6 | 481.8 | 482.0 | 481.0 | 476.0 | 475.0 | 473.0 | 468.0 | 464.0 | 27.5° | 57.4 | 60.4 |
| 509.8 | 510.2 | 510.6 | 511.0 | 509.0 | 504.0 | 502.0 | 500.0 | 497.0 | 491.0 | 30° | 52.7 | 55.3 |
| 534.8 | 535.2 | 535.6 | 536.0 | 534.0 | 533.0 | 533.0 | 527.0 | 525.0 | 521.0 | 32.5° | 49.4 | 50.6 |
| 558.8 | 559.2 | 559.6 | 560.0 | 558.0 | 561.0 | 562.0 | 556.0 | 551.0 | 550.0 | 35° | 45.6 | 46.2 |
| 583.8 | 584.2 | 584.6 | 585.0 | 583.0 | 586.0 | 585.0 | 580.0 | 575.0 | 574.0 | 37.5° | 42.3 | 42.3 |
| 607.6 | 608.4 | 609.2 | 610.0 | 606.0 | 603.0 | 600.0 | 597.0 | 593.0 | 593.0 | 40° | 39.4 | 39.1 |
| 625.0 | 626.0 | 627.0 | 628.0 | 623.0 | 618.0 | 614.0 | 611.0 | 610.0 | 610.0 | 42.5° | 36.7 | 36.4 |
| 639.2 | 639.8 | 640.4 | 641.0 | 638.0 | 636.0 | 631.0 | 626.0 | 628.0 | 630.0 | 45° | 34.0 | 34.3 |
| 652.0 | 653.0 | 654.0 | 655.0 | 650.0 | 650.0 | 648.0 | 644.0 | 645.0 | 646.0 | 47.5° | 32.6 | 32.9 |
| 662.4 | 663.6 | 664.8 | 666.0 | 660.0 | 661.0 | 664.0 | 658.0 | 655.0 | 655.0 | 50° | 31.1 | 31.4 |
| 670.4 | 671.6 | 672.8 | 674.0 | 668.0 | 670.0 | 671.0 | 667.0 | 663.0 | 661.0 | 52.5° | 29.9 | 29.9 |
| 679.6 | 680.4 | 681.2 | 682.0 | 678.0 | 680.0 | 677.0 | 672.0 | 673.0 | 673.0 | 55° | 28.7 | 28.4 |
| 690.4 | 691.6 | 692.8 | 694.0 | 688.0 | 688.0 | 684.0 | 678.0 | 685.0 | 688.0 | 57.5° | 27.8 | 27.2 |
| 698.0 | 699.0 | 700.0 | 701.0 | 696.0 | 694.0 | 689.0 | 686.0 | 691.0 | 693.0 | 60° | 26.9 | 26.3 |
| 698.0 | 699.0 | 700.0 | 701.0 | 696.0 | 694.0 | 692.0 | 689.0 | 690.0 | 690.0 | 62.5° | 26.3 | 25.5 |
| 696.0 | 697.0 | 698.0 | 699.0 | 694.0 | 696.0 | 695.0 | 690.0 | 690.0 | 691.0 | 65° | 25.7 | 25.2 |
| 699.6 | 700.4 | 701.2 | 702.0 | 698.0 | 701.0 | 699.0 | 694.0 | 695.0 | 697.0 | 66° | 25.5 | 24.9 |
| 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 67.5° | 25.2 | 24.6 |
| | | | | | | | | | | 70° | 24.0 | 23.4 |
| | | | | | | | | | | 72.5° | 22.2 | 21.9 |
| | | | | | | | | | | 75° | 20.4 | 19.8 |
| | | | | | | | | | | 77.5° | 18.1 | 17.8 |
| | | | | | | | | | | 80° | 15.4 | 15.1 |
| | | | | | | | | | | 82.5° | 13.0 | 12.4 |
| | | | | | | | | | | 85° | 10.4 | 9.8 |
| | | | | | | | | | | 87.5° | 7.1 | 6.5 |
| | | | | | | | | | | 90° | 9.8 | 9.1 |
| | | | | | | | | | | 92.5° | 6.0 | 5.0 |
| | | | | | | | | | | 95° | 7.0 | 6.0 |
| | | | | | | | | | | 97.5° | 8.0 | 8.0 |
| | | | | | | | | | | 100° | 10.0 | 9.0 |
| | | | | | | | | | | 102.5° | 18.0 | 13.0 |
| | | | | | | | | | | 105° | 36.0 | 27.0 |
| | | | | | | | | | | 107.5° | 58.0 | 49.0 |



REPORT NUMBER: P226766

CATALOG NUMBER: ISW-AF-350-LED-E1-

50-LED-E1-SL2-8030-ULG

tinued):

| 175° | 180° |
|-------|-------|
| 414.7 | 414.7 |
| 407.9 | 410.5 |
| 380.9 | 380.0 |
| 342.7 | 343.0 |
| 296.6 | 297.2 |
| 236.8 | 233.2 |
| 169.6 | 171.1 |
| 118.1 | 117.8 |
| 94.7 | 95.3 |
| 81.1 | 81.1 |
| 72.2 | 72.2 |
| 63.6 | 63.9 |
| 57.7 | 58.3 |
| 52.4 | 52.7 |
| 47.1 | 47.4 |
| 42.6 | 42.6 |
| 39.7 | 40.0 |
| 37.6 | 37.6 |
| 35.5 | 35.5 |
| 33.7 | 34.3 |
| 32.0 | 32.3 |
| 30.2 | 30.5 |
| 28.4 | 28.4 |
| 26.9 | 26.9 |
| 25.7 | 25.5 |
| 24.9 | 24.3 |
| 24.0 | 23.7 |
| 23.7 | 23.4 |
| 23.4 | 23.1 |
| 22.8 | 22.5 |
| 21.9 | 21.6 |
| 20.1 | 19.5 |
| 18.4 | 17.8 |
| 16.9 | 16.0 |
| 14.2 | 13.6 |
| 10.4 | 9.8 |
| 6.2 | 6.2 |
| 6.5 | 6.5 |
| 4.0 | 4.0 |
| 5.0 | 5.0 |
| 7.0 | 7.0 |
| 8.0 | 8.0 |
| 11.0 | 11.0 |
| 22.0 | 21.0 |
| 42.0 | 41.0 |

CANDELA DISTRIBUTION (continued):

| | 155° | 165° | 175° |
|--------|-------|-------|-------|
| 110° | 87.0 | 74.0 | 68.0 |
| 112.5° | 121.0 | 106.0 | 99.0 |
| 115° | 159.0 | 147.0 | 139.0 |
| 117.5° | 197.0 | 189.0 | 184.0 |
| 120° | 233.0 | 226.0 | 223.0 |
| 122.5° | 267.0 | 261.0 | 260.0 |
| 125° | 299.0 | 296.0 | 294.0 |
| 127.5° | 333.0 | 329.0 | 329.0 |
| 130° | 366.0 | 362.0 | 361.0 |
| 132.5° | 401.0 | 393.0 | 394.0 |
| 135° | 432.0 | 426.0 | 426.0 |
| 137.5° | 460.0 | 459.0 | 457.0 |
| 140° | 489.0 | 487.0 | 485.0 |
| 142.5° | 518.0 | 517.0 | 515.0 |
| 145° | 547.0 | 544.0 | 546.0 |
| 147.5° | 574.0 | 571.0 | 572.0 |
| 150° | 593.0 | 593.0 | 592.0 |
| 152.5° | 609.0 | 608.0 | 608.0 |
| 155° | 627.0 | 625.0 | 625.0 |
| 157.5° | 644.0 | 643.0 | 643.0 |
| 160° | 656.0 | 659.0 | 660.0 |
| 162.5° | 665.0 | 669.0 | 669.0 |
| 165° | 676.0 | 676.0 | 678.0 |
| 167.5° | 686.0 | 684.0 | 687.0 |
| 170° | 692.0 | 692.0 | 695.0 |
| 172.5° | 693.0 | 695.0 | 697.0 |
| 175° | 695.0 | 697.0 | 698.0 |
| 177.5° | 699.0 | 700.0 | 705.0 |
| 180° | 700.0 | 700.0 | 700.0 |



-SL2-8030-ULG

| 180° |
|-------|
| 66.0 |
| 99.0 |
| 140.0 |
| 184.0 |
| 225.0 |
| 263.0 |
| 298.0 |
| 330.0 |
| 363.0 |
| 396.0 |
| 429.0 |
| 460.0 |
| 488.0 |
| 518.0 |
| 550.0 |
| 575.0 |
| 595.0 |
| 611.0 |
| 629.0 |
| 646.0 |
| 663.0 |
| 673.0 |
| 681.0 |
| 690.0 |
| 698.0 |
| 699.0 |
| 700.0 |
| 707.0 |
| 700.0 |

(END OF REPORT)