

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: P226335

Luminaire Tested: **ISW-AF-600-LED-E1-T2-ULG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P226335  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35937)-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-T2-ULG  
Description: IMPACT ELITE LED WEDGE LUMINAIRE WITH UPLIGHT  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II, WITH UPLIGHT GLOW  
Light Source: (16) 4000K CCT, 70 CRI LEDs and (1) UPLIGHT LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

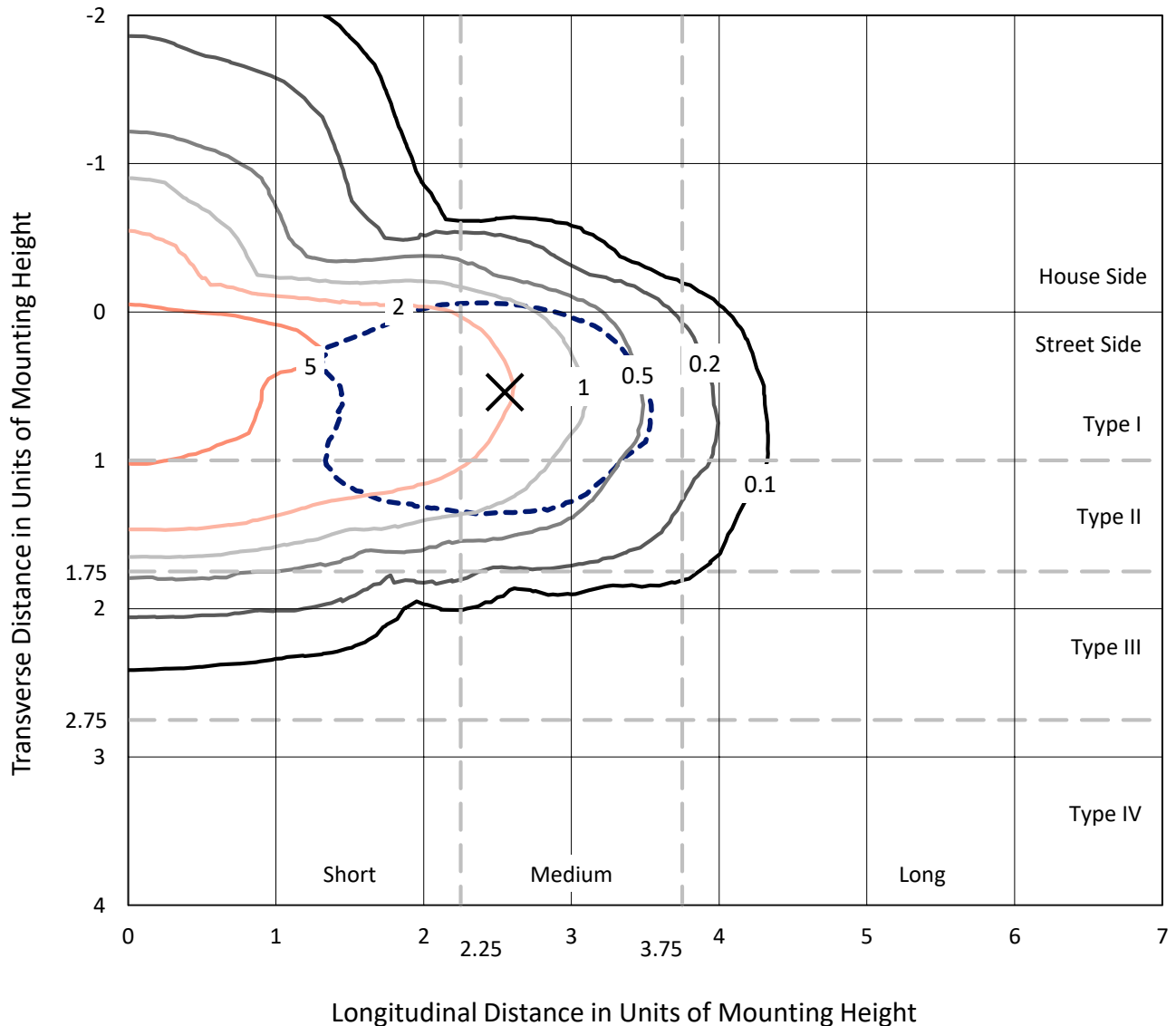
Lumens per Lamp: N/A  
Luminaire Lumens: 5963.5 lumens  
Efficiency: N/A  
Efficacy: 118.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')  
IES Classification: Type II - Medium - Non-Cutoff  
BUG Rating: B1 - U5 - G1  
  
Input Watts (W): 50.4  
Input Voltage (V): 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



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### Iso-Footcandle Lines of Horizontal Illumination

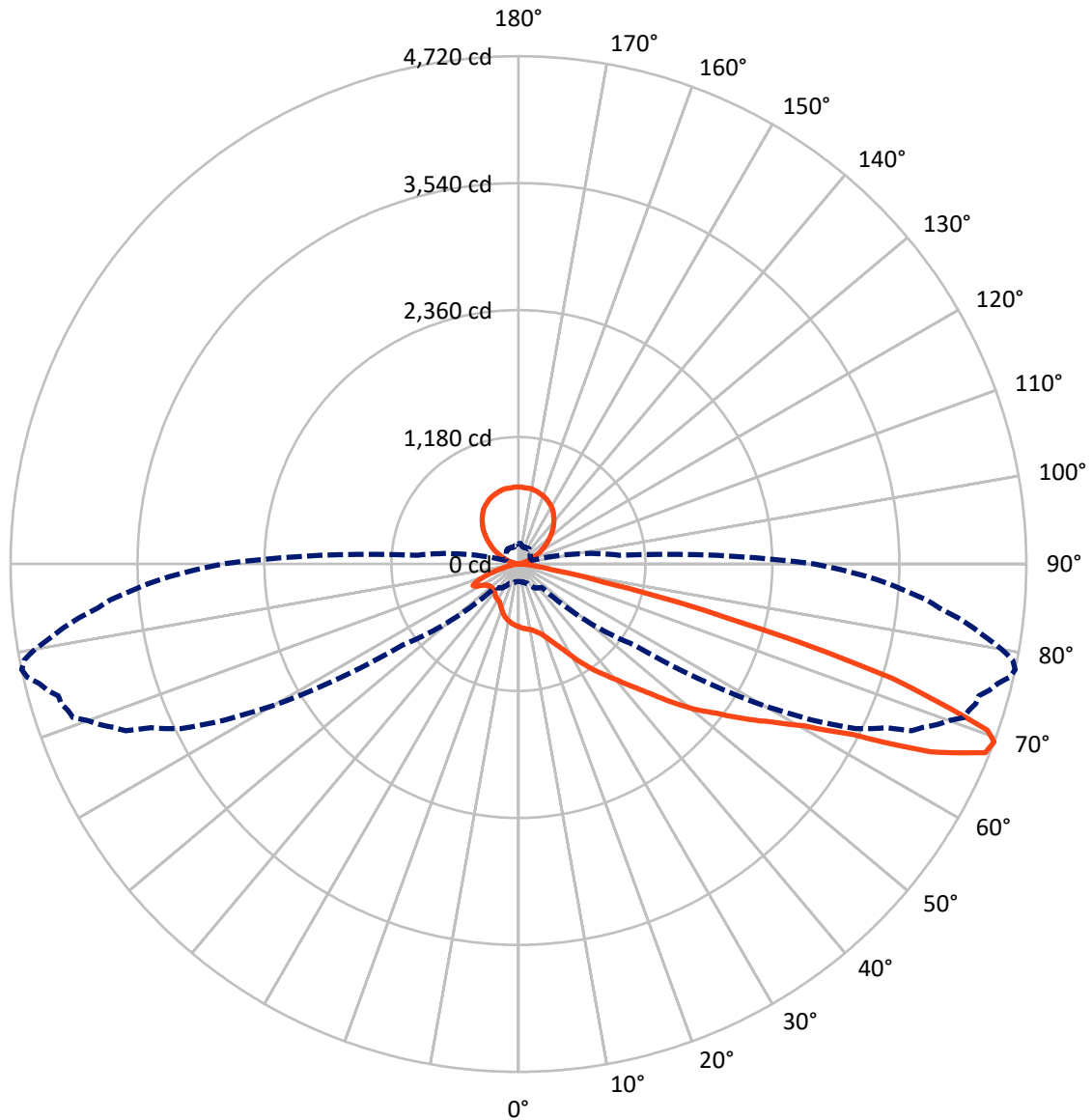
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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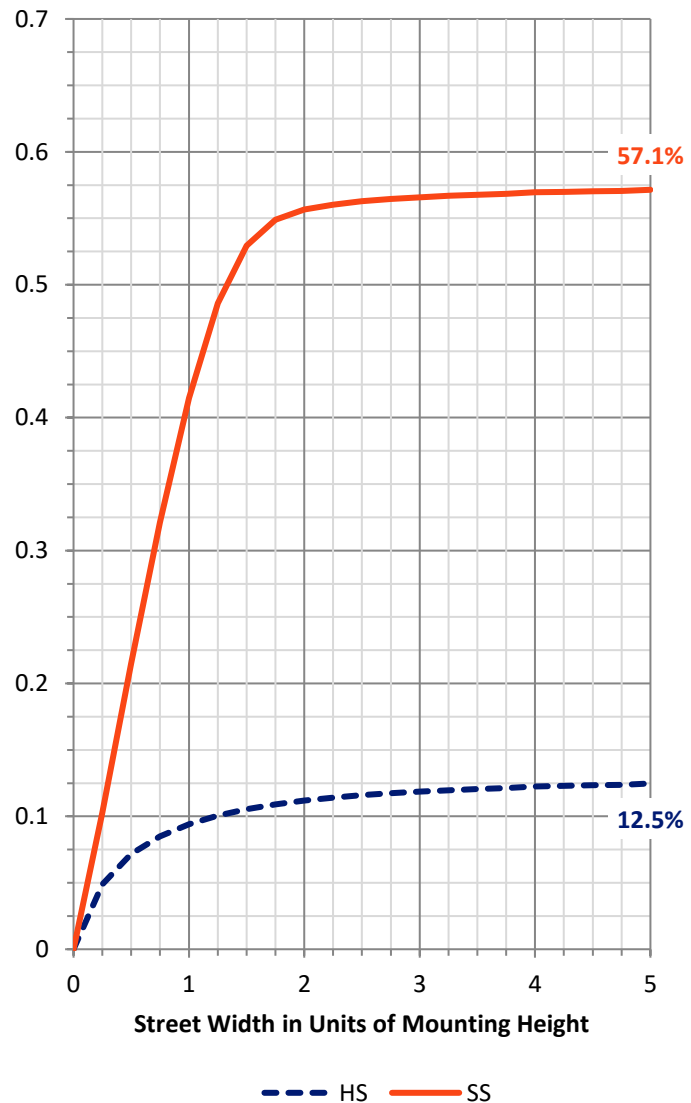
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 766.2    | 888.9  | 1655.1 |
|                    | % Fixture | 12.8     | 14.9   | 27.8   |
| <b>Street Side</b> | Lumens    | 3420.2   | 888.2  | 4308.4 |
|                    | % Fixture | 57.4     | 14.9   | 72.2   |
| <b>Total</b>       | Lumens    | 4186.4   | 1777.1 | 5963.5 |
|                    | % Fixture | 70.2     | 29.8   | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 54.1   | 0.9       |
| 10°-20°   | 163.3  | 2.7       |
| 20°-30°   | 292.7  | 4.9       |
| 30°-40°   | 477.9  | 8.0       |
| 40°-50°   | 706.8  | 11.9      |
| 50°-60°   | 922.9  | 15.5      |
| 60°-70°   | 1032.1 | 17.3      |
| 70°-80°   | 463.4  | 7.8       |
| 80°-90°   | 73.3   | 1.2       |
| 90°-100°  | 11.6   | 0.2       |
| 100°-110° | 58.7   | 1.0       |
| 110°-120° | 169.9  | 2.8       |
| 120°-130° | 279.4  | 4.7       |
| 130°-140° | 344.6  | 5.8       |
| 140°-150° | 352.5  | 5.9       |
| 150°-160° | 297.0  | 5.0       |
| 160°-170° | 195.5  | 3.3       |
| 170°-180° | 67.8   | 1.1       |
| 0°-90°    | 4186.4 | 70.2      |
| 0°-180°   | 5963.5 | 100.0     |



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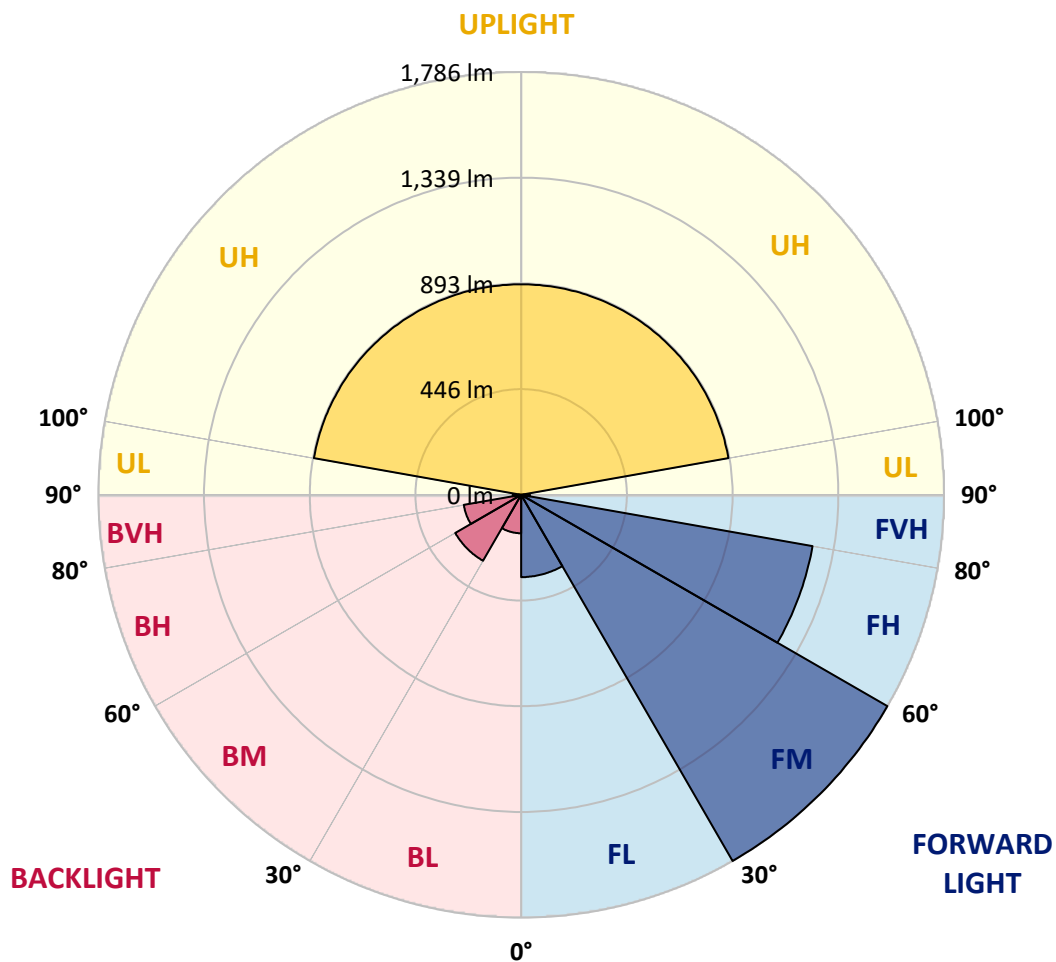
CATALOG NUMBER: ISW-AF-600-LED-E1-T2-ULG

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |         |         |
|----------------|--------|-----------|-------------------------|---------|---------|
|                |        |           | B                       | U       | G       |
| FL (0°-30°)    | 347.6  | 5.8       |                         |         |         |
| FM (30°-60°)   | 1785.8 | 29.9      |                         |         |         |
| FH (60°-80°)   | 1249.4 | 21.0      |                         |         | G1/1800 |
| FVH (80°-90°)  | 37.4   | 0.6       |                         |         | G1/100  |
| BL (0°-30°)    | 162.5  | 2.7       | B1/500                  |         |         |
| BM (30°-60°)   | 321.7  | 5.4       | B1/1000                 |         |         |
| BH (60°-80°)   | 246.1  | 4.1       | B1/500                  |         | G1/500  |
| BVH (80°-90°)  | 35.9   | 0.6       |                         |         | G1/100  |
| UL (90°-100°)  | 11.6   | 0.2       |                         | U2/50   |         |
| UH (100°-180°) | 888.9  | 14.9      |                         | U4/1000 |         |

**BUG Rating: B1-U5-G1**

Type II Medium





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CATALOG NUMBER: ISW-AF-600-LED-E1-T2-ULG

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 60°    | 61°    | 62°    | 64°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 582.4  | 582.4  | 582.4  | 582.4  | 582.4  | 582.4  | 582.4  | 582.4  | 582.4  | 582.4  | 582.4  |
| 2.5°   | 623.7  | 623.7  | 621.9  | 620.6  | 618.8  | 614.0  | 606.7  | 605.5  | 604.9  | 603.6  | 602.4  |
| 5°     | 669.3  | 664.4  | 665.6  | 662.6  | 655.9  | 647.4  | 634.0  | 627.4  | 623.7  | 623.1  | 620.6  |
| 7.5°   | 706.3  | 707.0  | 705.1  | 699.1  | 690.0  | 679.6  | 661.3  | 651.0  | 648.0  | 646.2  | 641.9  |
| 10°    | 733.1  | 731.3  | 730.1  | 728.9  | 721.6  | 713.1  | 690.0  | 677.2  | 674.7  | 669.9  | 665.0  |
| 12.5°  | 752.6  | 752.6  | 752.6  | 751.4  | 747.1  | 740.4  | 722.2  | 709.4  | 706.3  | 699.7  | 695.4  |
| 15°    | 773.9  | 771.4  | 769.0  | 767.1  | 767.7  | 767.7  | 754.4  | 744.7  | 739.8  | 736.1  | 727.6  |
| 17.5°  | 819.5  | 814.0  | 808.5  | 801.2  | 789.6  | 786.6  | 786.0  | 785.4  | 778.7  | 778.1  | 769.6  |
| 20°    | 858.4  | 853.4  | 848.6  | 841.3  | 824.9  | 807.3  | 816.4  | 824.9  | 823.7  | 824.3  | 820.0  |
| 22.5°  | 906.3  | 902.8  | 893.0  | 884.4  | 863.2  | 841.9  | 843.1  | 861.4  | 863.8  | 866.2  | 867.5  |
| 25°    | 972.0  | 970.2  | 954.4  | 937.9  | 913.7  | 893.6  | 874.7  | 897.2  | 902.1  | 907.6  | 918.5  |
| 27.5°  | 1038.3 | 1034.0 | 1017.0 | 1002.4 | 972.0  | 950.7  | 924.6  | 936.7  | 944.1  | 954.4  | 971.4  |
| 30°    | 1124.0 | 1112.5 | 1106.3 | 1073.5 | 1045.6 | 1014.6 | 992.1  | 995.7  | 994.5  | 1006.7 | 1032.8 |
| 32.5°  | 1248.0 | 1229.8 | 1199.4 | 1166.6 | 1133.7 | 1092.4 | 1073.5 | 1073.0 | 1069.9 | 1083.9 | 1098.4 |
| 35°    | 1314.9 | 1310.6 | 1291.8 | 1258.9 | 1223.0 | 1184.2 | 1172.0 | 1160.4 | 1162.3 | 1169.5 | 1175.1 |
| 37.5°  | 1387.2 | 1383.5 | 1369.0 | 1350.7 | 1323.4 | 1344.7 | 1277.2 | 1260.2 | 1252.3 | 1248.6 | 1250.5 |
| 40°    | 1418.8 | 1421.9 | 1429.8 | 1432.8 | 1417.0 | 1519.1 | 1386.0 | 1330.0 | 1327.6 | 1322.2 | 1316.7 |
| 42.5°  | 1425.5 | 1433.4 | 1449.2 | 1483.9 | 1499.0 | 1721.5 | 1475.9 | 1408.5 | 1398.8 | 1394.5 | 1395.1 |
| 45°    | 1449.8 | 1462.0 | 1465.0 | 1496.6 | 1568.4 | 1731.9 | 1577.5 | 1477.8 | 1470.5 | 1469.9 | 1466.2 |
| 47.5°  | 1508.8 | 1525.2 | 1525.2 | 1539.1 | 1607.3 | 1751.9 | 1612.2 | 1547.1 | 1542.2 | 1539.7 | 1549.5 |
| 50°    | 1517.3 | 1539.1 | 1582.9 | 1627.9 | 1677.1 | 1768.4 | 1651.7 | 1622.5 | 1624.2 | 1629.8 | 1658.3 |
| 52.5°  | 1373.2 | 1395.1 | 1510.6 | 1643.2 | 1803.6 | 1813.4 | 1711.2 | 1722.8 | 1734.9 | 1761.6 | 1813.9 |
| 55°    | 1177.5 | 1193.3 | 1330.0 | 1542.2 | 1808.5 | 1984.1 | 1860.7 | 1893.0 | 1918.5 | 1926.4 | 2008.5 |
| 57.5°  | 927.0  | 948.9  | 1088.1 | 1363.5 | 1688.7 | 2032.8 | 2204.9 | 2219.4 | 2190.9 | 2216.9 | 2246.8 |
| 60°    | 502.2  | 499.7  | 693.6  | 986.0  | 1437.0 | 1942.8 | 2536.7 | 2787.1 | 2793.3 | 2833.4 | 2785.4 |
| 62.5°  | 280.8  | 280.8  | 336.8  | 506.4  | 924.6  | 1643.8 | 2696.0 | 3278.4 | 3354.4 | 3418.2 | 3558.6 |
| 65°    | 212.2  | 214.0  | 234.1  | 305.1  | 519.1  | 1037.7 | 2579.3 | 3446.1 | 3592.0 | 3738.6 | 3984.7 |
| 67.5°  | 176.3  | 176.3  | 190.9  | 227.4  | 324.6  | 471.1  | 1899.0 | 3109.4 | 3291.8 | 3466.8 | 3807.2 |
| 69°    | 163.6  | 164.1  | 175.0  | 200.0  | 271.7  | 306.4  | 1311.8 | 2636.5 | 2844.9 | 3087.5 | 3488.7 |
| 70°    | 157.4  | 155.6  | 165.9  | 186.6  | 246.2  | 241.9  | 961.1  | 2292.3 | 2454.1 | 2671.6 | 3133.1 |
| 72.5°  | 139.8  | 138.0  | 143.4  | 159.3  | 194.0  | 172.7  | 392.1  | 1233.4 | 1477.1 | 1720.9 | 2088.8 |
| 75°    | 124.6  | 122.8  | 127.1  | 134.3  | 150.8  | 132.0  | 196.9  | 516.7  | 625.5  | 808.5  | 1115.5 |
| 77.5°  | 110.1  | 106.4  | 110.1  | 114.9  | 118.6  | 98.5   | 133.7  | 238.9  | 293.0  | 359.9  | 508.2  |
| 80°    | 99.7   | 96.1   | 100.4  | 97.9   | 93.0   | 76.0   | 88.8   | 139.2  | 154.4  | 184.8  | 241.9  |
| 82.5°  | 71.1   | 70.5   | 95.4   | 98.5   | 74.2   | 55.3   | 63.2   | 89.4   | 99.7   | 105.2  | 127.7  |
| 85°    | 43.8   | 41.9   | 55.3   | 70.5   | 75.4   | 34.7   | 40.7   | 52.9   | 55.3   | 60.1   | 71.1   |
| 87.5°  | 22.5   | 23.1   | 29.8   | 36.5   | 49.2   | 20.7   | 24.3   | 31.0   | 31.0   | 31.0   | 35.3   |
| 90°    | 10.5   | 11.8   | 16.3   | 21.0   | 18.5   | 12.6   | 16.3   | 15.4   | 16.9   | 15.9   | 17.5   |
| 92.5°  | 4.1    | 4.1    | 5.1    | 6.1    | 6.1    | 6.1    | 7.2    | 7.2    | 7.2    | 7.2    | 7.2    |
| 95°    | 5.1    | 5.1    | 6.1    | 7.2    | 7.2    | 7.2    | 7.2    | 7.7    | 7.8    | 7.9    | 8.1    |
| 97.5°  | 7.2    | 7.2    | 8.2    | 8.2    | 9.2    | 9.2    | 12.3   | 11.3   | 11.0   | 10.8   | 10.4   |
| 100°   | 8.2    | 8.2    | 9.2    | 10.2   | 12.3   | 21.5   | 29.7   | 28.1   | 27.8   | 27.5   | 26.9   |
| 102.5° | 11.3   | 11.3   | 13.3   | 18.4   | 27.6   | 40.9   | 51.1   | 49.6   | 49.3   | 49.0   | 48.4   |
| 105°   | 21.5   | 22.5   | 27.6   | 36.8   | 49.1   | 64.4   | 73.7   | 72.6   | 72.4   | 72.2   | 71.8   |
| 107.5° | 41.9   | 43.0   | 50.1   | 59.3   | 74.7   | 90.0   | 97.2   | 96.7   | 96.6   | 96.5   | 96.3   |



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CATALOG NUMBER: ISW-AF-600-LED-E1-T2-ULG

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 60°   | 61°   | 62°   | 64°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110°   | 67.5  | 69.6  | 75.7  | 89.0  | 104.3 | 116.6 | 122.8 | 123.3 | 123.4 | 123.5 | 123.7 |
| 112.5° | 101.3 | 101.3 | 108.4 | 123.8 | 137.1 | 146.3 | 151.4 | 152.4 | 152.6 | 152.8 | 153.2 |
| 115°   | 143.2 | 142.2 | 150.4 | 162.6 | 171.9 | 178.0 | 183.1 | 184.6 | 184.9 | 185.3 | 185.9 |
| 117.5° | 188.2 | 188.2 | 193.3 | 201.5 | 206.6 | 209.7 | 215.8 | 217.9 | 218.3 | 218.7 | 219.5 |
| 120°   | 230.2 | 228.1 | 231.2 | 238.3 | 242.4 | 248.6 | 251.6 | 253.7 | 254.1 | 254.5 | 255.3 |
| 122.5° | 269.0 | 266.0 | 267.0 | 273.1 | 277.2 | 283.4 | 285.4 | 287.4 | 287.9 | 288.3 | 289.1 |
| 125°   | 304.8 | 300.7 | 302.8 | 305.9 | 312.0 | 317.1 | 320.2 | 321.2 | 321.4 | 321.6 | 322.0 |
| 127.5° | 337.6 | 336.6 | 336.6 | 340.6 | 346.8 | 347.8 | 352.9 | 353.4 | 353.5 | 353.6 | 353.8 |
| 130°   | 371.3 | 369.3 | 370.3 | 374.4 | 378.5 | 380.5 | 385.7 | 387.7 | 388.1 | 388.5 | 389.3 |
| 132.5° | 405.1 | 403.0 | 402.0 | 410.2 | 413.3 | 414.3 | 420.4 | 423.0 | 423.5 | 424.0 | 425.0 |
| 135°   | 438.8 | 435.8 | 435.8 | 441.9 | 445.0 | 447.0 | 453.2 | 455.7 | 456.2 | 456.7 | 457.8 |
| 137.5° | 470.6 | 467.5 | 469.5 | 470.6 | 474.6 | 478.7 | 483.9 | 484.9 | 485.1 | 485.3 | 485.7 |
| 140°   | 499.2 | 496.1 | 498.2 | 500.2 | 502.3 | 508.4 | 511.5 | 512.5 | 512.7 | 512.9 | 513.3 |
| 142.5° | 529.9 | 526.8 | 528.9 | 529.9 | 533.0 | 537.0 | 539.1 | 542.2 | 542.8 | 543.4 | 544.6 |
| 145°   | 562.6 | 558.5 | 556.5 | 559.6 | 562.6 | 563.6 | 568.8 | 571.8 | 572.4 | 573.1 | 574.3 |
| 147.5° | 588.2 | 585.1 | 584.1 | 587.2 | 587.2 | 588.2 | 593.3 | 595.9 | 596.4 | 596.9 | 597.9 |
| 150°   | 608.7 | 605.6 | 606.6 | 606.6 | 606.6 | 606.6 | 610.7 | 612.2 | 612.5 | 612.8 | 613.5 |
| 152.5° | 625.0 | 622.0 | 622.0 | 623.0 | 624.0 | 624.0 | 625.0 | 626.6 | 626.9 | 627.2 | 627.8 |
| 155°   | 643.4 | 639.3 | 639.3 | 641.4 | 644.5 | 642.4 | 640.4 | 642.9 | 643.4 | 643.9 | 645.0 |
| 157.5° | 660.8 | 657.8 | 657.8 | 658.8 | 660.8 | 659.8 | 658.8 | 660.8 | 661.2 | 661.6 | 662.5 |
| 160°   | 678.2 | 675.1 | 674.1 | 671.1 | 670.0 | 670.0 | 673.1 | 676.2 | 676.8 | 677.4 | 678.6 |
| 162.5° | 688.4 | 684.4 | 684.4 | 680.3 | 676.2 | 678.2 | 682.3 | 684.4 | 684.8 | 685.2 | 686.0 |
| 165°   | 696.6 | 693.6 | 691.5 | 691.5 | 688.4 | 688.4 | 687.4 | 690.0 | 690.5 | 691.0 | 692.0 |
| 167.5° | 705.8 | 702.8 | 699.7 | 701.7 | 703.8 | 700.7 | 693.6 | 696.6 | 697.2 | 697.9 | 699.1 |
| 170°   | 714.0 | 711.0 | 707.9 | 707.9 | 708.9 | 706.9 | 701.7 | 703.3 | 703.6 | 703.9 | 704.5 |
| 172.5° | 715.0 | 713.0 | 711.0 | 708.9 | 705.8 | 705.8 | 704.8 | 706.3 | 706.7 | 707.0 | 707.6 |
| 175°   | 716.1 | 714.0 | 713.0 | 711.0 | 706.9 | 705.8 | 705.8 | 708.4 | 708.9 | 709.4 | 710.4 |
| 177.5° | 723.2 | 721.2 | 716.1 | 715.0 | 713.0 | 711.0 | 709.9 | 712.5 | 713.0 | 713.5 | 714.5 |
| 180°   | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 |





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**CANDELA DISTRIBUTION (continued):**

|        | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 582.4  | 582.4  | 582.4  | 582.4  | 582.4  | 582.4  | 582.4  | 582.4  | 582.4  | 582.4  | 582.4  |
| 2.5°   | 603.0  | 601.2  | 598.7  | 599.3  | 598.1  | 596.4  | 597.0  | 596.4  | 597.0  | 595.8  | 594.5  |
| 5°     | 620.6  | 619.4  | 615.8  | 615.2  | 614.0  | 612.7  | 610.9  | 609.1  | 608.5  | 607.3  | 604.9  |
| 7.5°   | 640.7  | 637.1  | 635.3  | 632.8  | 629.7  | 624.9  | 624.3  | 621.9  | 620.0  | 618.8  | 615.8  |
| 10°    | 661.3  | 657.1  | 654.7  | 651.6  | 648.7  | 645.6  | 642.5  | 638.3  | 634.0  | 632.8  | 629.2  |
| 12.5°  | 692.4  | 686.9  | 682.1  | 677.2  | 674.1  | 668.7  | 664.4  | 659.0  | 654.7  | 652.8  | 646.8  |
| 15°    | 726.4  | 719.1  | 714.2  | 710.6  | 705.7  | 700.9  | 695.4  | 690.6  | 683.8  | 678.4  | 672.9  |
| 17.5°  | 766.6  | 759.8  | 756.2  | 749.5  | 743.5  | 738.0  | 733.8  | 727.6  | 722.2  | 712.5  | 707.6  |
| 20°    | 819.5  | 814.0  | 809.7  | 802.4  | 795.8  | 790.2  | 786.6  | 773.9  | 766.6  | 758.0  | 750.1  |
| 22.5°  | 868.7  | 869.3  | 865.0  | 860.2  | 855.9  | 848.6  | 842.5  | 833.4  | 824.3  | 814.0  | 803.0  |
| 25°    | 922.2  | 927.0  | 927.6  | 926.4  | 924.0  | 915.4  | 912.5  | 903.4  | 896.0  | 879.0  | 874.1  |
| 27.5°  | 981.7  | 987.2  | 993.9  | 1002.4 | 1004.2 | 995.1  | 999.4  | 990.2  | 977.5  | 970.2  | 954.4  |
| 30°    | 1039.5 | 1054.7 | 1068.7 | 1078.4 | 1084.4 | 1088.7 | 1085.7 | 1082.7 | 1074.1 | 1062.0 | 1048.0 |
| 32.5°  | 1113.7 | 1129.4 | 1143.5 | 1164.7 | 1175.7 | 1189.1 | 1186.6 | 1187.9 | 1184.8 | 1172.6 | 1156.2 |
| 35°    | 1188.5 | 1202.4 | 1220.7 | 1234.6 | 1261.4 | 1275.9 | 1288.1 | 1287.5 | 1287.5 | 1280.2 | 1264.4 |
| 37.5°  | 1254.6 | 1262.6 | 1277.8 | 1300.9 | 1318.5 | 1341.6 | 1361.0 | 1369.0 | 1381.7 | 1382.3 | 1365.3 |
| 40°    | 1324.0 | 1331.9 | 1343.4 | 1360.4 | 1380.0 | 1407.3 | 1433.4 | 1458.9 | 1471.1 | 1483.9 | 1477.1 |
| 42.5°  | 1398.8 | 1407.3 | 1415.8 | 1426.7 | 1454.6 | 1475.9 | 1511.2 | 1545.9 | 1570.7 | 1596.9 | 1593.9 |
| 45°    | 1472.9 | 1482.7 | 1494.8 | 1511.2 | 1536.2 | 1570.7 | 1604.8 | 1643.8 | 1700.9 | 1731.9 | 1753.1 |
| 47.5°  | 1556.8 | 1572.6 | 1595.1 | 1621.3 | 1641.3 | 1677.1 | 1720.3 | 1780.5 | 1838.2 | 1891.7 | 1925.2 |
| 50°    | 1683.3 | 1689.3 | 1725.8 | 1751.3 | 1789.7 | 1826.1 | 1869.2 | 1922.1 | 1996.9 | 2051.6 | 2105.1 |
| 52.5°  | 1832.2 | 1855.3 | 1891.7 | 1920.9 | 1951.3 | 1987.8 | 2032.2 | 2079.6 | 2153.7 | 2215.2 | 2284.5 |
| 55°    | 2024.3 | 2057.1 | 2088.8 | 2104.5 | 2147.1 | 2179.9 | 2215.7 | 2262.6 | 2342.3 | 2409.0 | 2490.6 |
| 57.5°  | 2253.5 | 2286.3 | 2301.4 | 2324.6 | 2342.8 | 2379.3 | 2427.9 | 2459.5 | 2530.1 | 2599.3 | 2685.7 |
| 60°    | 2723.9 | 2703.2 | 2721.6 | 2685.7 | 2680.2 | 2683.2 | 2693.5 | 2717.9 | 2757.4 | 2821.8 | 2913.1 |
| 62.5°  | 3573.2 | 3543.4 | 3464.3 | 3435.8 | 3380.4 | 3305.7 | 3235.2 | 3225.5 | 3204.8 | 3253.4 | 3310.6 |
| 65°    | 4069.2 | 4177.4 | 4189.0 | 4219.4 | 4197.5 | 4139.2 | 4056.4 | 4029.7 | 3962.8 | 3916.1 | 3913.0 |
| 67.5°  | 3950.1 | 4112.4 | 4213.9 | 4342.1 | 4413.3 | 4482.6 | 4500.8 | 4524.5 | 4481.3 | 4460.1 | 4466.2 |
| 69°    | 3618.8 | 3739.1 | 3966.5 | 4054.1 | 4166.5 | 4258.9 | 4380.5 | 4401.8 | 4443.7 | 4449.7 | 4530.6 |
| 70°    | 3290.5 | 3467.4 | 3597.5 | 3728.8 | 3884.5 | 3985.9 | 4040.7 | 4130.6 | 4234.6 | 4285.7 | 4373.1 |
| 72.5°  | 2365.9 | 2423.7 | 2516.0 | 2686.3 | 2729.4 | 2834.6 | 2942.2 | 3018.8 | 3141.0 | 3227.3 | 3433.3 |
| 75°    | 1276.5 | 1311.2 | 1456.5 | 1553.1 | 1578.7 | 1613.3 | 1692.4 | 1711.2 | 1756.8 | 1784.7 | 1983.0 |
| 77.5°  | 583.0  | 635.9  | 654.7  | 707.6  | 677.8  | 692.4  | 711.3  | 707.0  | 719.7  | 780.5  | 849.9  |
| 80°    | 268.7  | 279.1  | 286.3  | 308.2  | 309.4  | 304.5  | 306.4  | 303.3  | 301.0  | 310.7  | 317.9  |
| 82.5°  | 130.7  | 146.5  | 146.5  | 159.9  | 166.5  | 164.7  | 168.4  | 167.2  | 169.6  | 167.2  | 175.0  |
| 85°    | 76.6   | 76.6   | 82.7   | 89.9   | 88.8   | 91.1   | 91.1   | 96.1   | 96.7   | 97.9   | 97.9   |
| 87.5°  | 35.9   | 39.5   | 41.3   | 44.4   | 45.6   | 47.5   | 48.6   | 48.6   | 49.2   | 48.0   | 49.2   |
| 90°    | 18.3   | 18.3   | 24.4   | 24.4   | 25.6   | 27.4   | 25.1   | 26.2   | 30.5   | 25.1   | 29.3   |
| 92.5°  | 7.2    | 7.1    | 7.0    | 6.9    | 6.8    | 6.6    | 6.5    | 6.4    | 6.3    | 6.2    | 6.1    |
| 95°    | 8.2    | 8.1    | 8.0    | 7.9    | 7.8    | 7.7    | 7.6    | 7.5    | 7.4    | 7.3    | 7.2    |
| 97.5°  | 10.2   | 10.1   | 10.0   | 9.9    | 9.8    | 9.7    | 9.6    | 9.5    | 9.4    | 9.3    | 9.2    |
| 100°   | 26.6   | 26.3   | 26.0   | 25.7   | 25.4   | 25.1   | 24.8   | 24.4   | 24.1   | 23.8   | 23.5   |
| 102.5° | 48.1   | 47.6   | 47.1   | 46.5   | 46.0   | 45.5   | 45.0   | 44.5   | 44.0   | 43.5   | 43.0   |
| 105°   | 71.6   | 71.1   | 70.6   | 70.1   | 69.6   | 69.0   | 68.5   | 68.0   | 67.5   | 67.0   | 66.5   |
| 107.5° | 96.2   | 95.7   | 95.3   | 94.9   | 94.5   | 94.1   | 93.7   | 93.3   | 92.9   | 92.5   | 92.1   |



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**CANDELA DISTRIBUTION (continued):**

|        | 65°   | 66°   | 67°   | 68°   | 69°   | 70°   | 71°   | 72°   | 73°   | 74°   | 75°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110°   | 123.8 | 123.6 | 123.4 | 123.2 | 123.0 | 122.8 | 122.5 | 122.3 | 122.1 | 121.9 | 121.7 |
| 112.5° | 153.4 | 153.3 | 153.2 | 153.1 | 153.0 | 152.9 | 152.8 | 152.7 | 152.6 | 152.5 | 152.4 |
| 115°   | 186.2 | 185.9 | 185.6 | 185.3 | 184.9 | 184.6 | 184.3 | 184.0 | 183.7 | 183.4 | 183.1 |
| 117.5° | 219.9 | 219.4 | 218.9 | 218.4 | 217.9 | 217.4 | 216.9 | 216.4 | 215.8 | 215.3 | 214.8 |
| 120°   | 255.7 | 255.2 | 254.7 | 254.2 | 253.7 | 253.2 | 252.7 | 252.2 | 251.6 | 251.1 | 250.6 |
| 122.5° | 289.5 | 289.0 | 288.5 | 288.0 | 287.4 | 286.9 | 286.4 | 285.9 | 285.4 | 284.9 | 284.4 |
| 125°   | 322.2 | 321.7 | 321.2 | 320.7 | 320.2 | 319.7 | 319.2 | 318.6 | 318.1 | 317.6 | 317.1 |
| 127.5° | 353.9 | 353.9 | 353.9 | 353.9 | 353.9 | 353.9 | 353.9 | 353.9 | 353.9 | 353.9 | 353.9 |
| 130°   | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 |
| 132.5° | 425.5 | 425.3 | 425.1 | 424.9 | 424.7 | 424.5 | 424.3 | 424.1 | 423.9 | 423.7 | 423.5 |
| 135°   | 458.3 | 458.2 | 458.1 | 458.0 | 457.9 | 457.8 | 457.7 | 457.6 | 457.5 | 457.4 | 457.3 |
| 137.5° | 485.9 | 486.0 | 486.1 | 486.2 | 486.3 | 486.4 | 486.5 | 486.6 | 486.7 | 486.8 | 486.9 |
| 140°   | 513.5 | 513.7 | 513.9 | 514.1 | 514.3 | 514.5 | 514.7 | 515.0 | 515.2 | 515.4 | 515.6 |
| 142.5° | 545.2 | 545.2 | 545.2 | 545.2 | 545.2 | 545.2 | 545.2 | 545.2 | 545.2 | 545.2 | 545.2 |
| 145°   | 574.9 | 574.8 | 574.7 | 574.6 | 574.5 | 574.4 | 574.3 | 574.2 | 574.1 | 574.0 | 573.9 |
| 147.5° | 598.4 | 598.5 | 598.6 | 598.7 | 598.8 | 598.9 | 599.0 | 599.1 | 599.2 | 599.3 | 599.4 |
| 150°   | 613.8 | 614.1 | 614.4 | 614.7 | 615.0 | 615.3 | 615.6 | 615.9 | 616.2 | 616.5 | 616.8 |
| 152.5° | 628.1 | 628.5 | 628.9 | 629.3 | 629.7 | 630.1 | 630.5 | 631.0 | 631.4 | 631.8 | 632.2 |
| 155°   | 645.5 | 646.0 | 646.5 | 647.0 | 647.5 | 648.0 | 648.6 | 649.1 | 649.6 | 650.1 | 650.6 |
| 157.5° | 662.9 | 663.1 | 663.3 | 663.5 | 663.7 | 663.9 | 664.1 | 664.3 | 664.5 | 664.7 | 664.9 |
| 160°   | 679.2 | 678.9 | 678.6 | 678.3 | 678.0 | 677.7 | 677.4 | 677.1 | 676.8 | 676.5 | 676.2 |
| 162.5° | 686.4 | 686.3 | 686.2 | 686.1 | 686.0 | 685.9 | 685.8 | 685.7 | 685.6 | 685.5 | 685.4 |
| 165°   | 692.5 | 692.8 | 693.2 | 693.5 | 693.8 | 694.1 | 694.4 | 694.7 | 695.0 | 695.3 | 695.6 |
| 167.5° | 699.7 | 700.1 | 700.5 | 700.9 | 701.3 | 701.7 | 702.2 | 702.6 | 703.0 | 703.4 | 703.8 |
| 170°   | 704.8 | 705.3 | 705.8 | 706.3 | 706.9 | 707.4 | 707.9 | 708.4 | 708.9 | 709.4 | 709.9 |
| 172.5° | 707.9 | 708.1 | 708.3 | 708.5 | 708.7 | 708.9 | 709.1 | 709.3 | 709.5 | 709.7 | 709.9 |
| 175°   | 711.0 | 711.1 | 711.2 | 711.3 | 711.4 | 711.5 | 711.6 | 711.7 | 711.8 | 711.9 | 712.0 |
| 177.5° | 715.0 | 715.2 | 715.5 | 715.7 | 715.9 | 716.1 | 716.3 | 716.5 | 716.7 | 716.9 | 717.1 |
| 180°   | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 |



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CATALOG NUMBER: ISW-AF-600-LED-E1-T2-ULG

**CANDELA DISTRIBUTION (continued):**

|        | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    | 83°    | 84°    | 85°    | 86°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 582.4  | 582.4  | 582.4  | 582.4  | 582.4  | 582.4  | 582.4  | 582.4  | 582.4  | 582.4  | 582.4  |
| 2.5°   | 593.3  | 594.5  | 593.9  | 591.5  | 590.9  | 590.9  | 589.6  | 589.0  | 587.8  | 587.2  | 588.4  |
| 5°     | 604.3  | 604.3  | 602.4  | 600.0  | 597.5  | 597.0  | 596.4  | 593.3  | 592.1  | 590.9  | 589.6  |
| 7.5°   | 614.6  | 613.4  | 610.9  | 606.7  | 604.3  | 603.6  | 601.2  | 598.1  | 595.2  | 592.7  | 591.5  |
| 10°    | 625.5  | 624.3  | 619.4  | 616.4  | 611.5  | 610.9  | 606.7  | 603.0  | 600.0  | 597.0  | 594.5  |
| 12.5°  | 641.3  | 640.1  | 634.6  | 627.4  | 623.7  | 621.2  | 615.8  | 611.5  | 607.3  | 603.6  | 599.3  |
| 15°    | 665.6  | 660.8  | 657.1  | 649.9  | 644.4  | 639.5  | 632.8  | 626.8  | 620.6  | 614.6  | 610.9  |
| 17.5°  | 699.7  | 692.9  | 683.2  | 679.0  | 671.7  | 663.8  | 654.7  | 650.4  | 642.5  | 635.3  | 628.0  |
| 20°    | 744.1  | 737.3  | 722.2  | 716.7  | 706.3  | 694.8  | 687.5  | 678.4  | 671.7  | 660.2  | 652.2  |
| 22.5°  | 793.3  | 787.3  | 772.6  | 758.0  | 748.3  | 739.2  | 727.6  | 716.1  | 703.3  | 692.4  | 683.8  |
| 25°    | 857.1  | 848.0  | 835.2  | 820.6  | 806.1  | 793.3  | 777.4  | 761.1  | 750.1  | 735.0  | 722.8  |
| 27.5°  | 944.1  | 928.2  | 906.9  | 891.2  | 879.6  | 860.2  | 840.8  | 826.1  | 809.1  | 789.0  | 775.7  |
| 30°    | 1038.3 | 1020.6 | 1004.8 | 986.6  | 967.2  | 948.3  | 921.6  | 900.3  | 882.1  | 860.8  | 838.9  |
| 32.5°  | 1142.8 | 1127.6 | 1105.2 | 1081.5 | 1060.2 | 1036.5 | 1017.0 | 994.5  | 962.9  | 940.4  | 917.3  |
| 35°    | 1248.0 | 1230.4 | 1207.3 | 1187.2 | 1162.9 | 1138.5 | 1116.7 | 1086.9 | 1058.3 | 1026.1 | 993.9  |
| 37.5°  | 1349.5 | 1334.3 | 1308.8 | 1278.4 | 1257.1 | 1231.0 | 1208.5 | 1176.9 | 1142.8 | 1106.9 | 1082.7 |
| 40°    | 1462.6 | 1438.3 | 1420.7 | 1385.4 | 1363.5 | 1334.3 | 1302.1 | 1277.8 | 1244.9 | 1206.1 | 1171.4 |
| 42.5°  | 1592.0 | 1575.0 | 1556.2 | 1527.7 | 1504.6 | 1469.9 | 1429.2 | 1398.2 | 1367.8 | 1321.6 | 1273.6 |
| 45°    | 1756.2 | 1745.3 | 1714.3 | 1691.1 | 1660.1 | 1623.6 | 1588.4 | 1550.7 | 1502.7 | 1449.2 | 1405.4 |
| 47.5°  | 1953.1 | 1944.6 | 1916.7 | 1883.9 | 1843.2 | 1793.8 | 1761.0 | 1709.4 | 1668.6 | 1601.8 | 1549.5 |
| 50°    | 2131.8 | 2136.1 | 2120.9 | 2070.5 | 2034.0 | 1984.7 | 1933.1 | 1888.1 | 1825.5 | 1756.2 | 1689.3 |
| 52.5°  | 2345.2 | 2341.0 | 2302.7 | 2274.7 | 2231.6 | 2172.0 | 2115.5 | 2057.7 | 1989.0 | 1917.3 | 1834.0 |
| 55°    | 2549.5 | 2562.3 | 2535.5 | 2496.0 | 2443.7 | 2360.5 | 2303.3 | 2228.5 | 2156.2 | 2077.2 | 1981.1 |
| 57.5°  | 2747.6 | 2788.4 | 2767.7 | 2720.9 | 2667.4 | 2607.2 | 2531.9 | 2448.0 | 2373.2 | 2269.8 | 2161.7 |
| 60°    | 2994.5 | 3048.6 | 3057.1 | 3026.7 | 2968.3 | 2898.4 | 2799.3 | 2733.7 | 2630.9 | 2535.5 | 2452.2 |
| 62.5°  | 3374.4 | 3497.2 | 3489.9 | 3504.5 | 3463.2 | 3420.0 | 3303.9 | 3233.3 | 3099.6 | 3030.9 | 2914.8 |
| 65°    | 4009.0 | 4099.6 | 4208.4 | 4204.7 | 4176.2 | 4072.9 | 3952.5 | 3834.5 | 3746.5 | 3610.9 | 3489.9 |
| 67.5°  | 4541.6 | 4616.4 | 4680.7 | 4647.4 | 4581.7 | 4465.6 | 4324.5 | 4160.4 | 4026.0 | 3876.5 | 3717.8 |
| 69°    | 4591.4 | 4682.6 | 4720.3 | 4679.0 | 4561.0 | 4409.6 | 4271.6 | 4119.1 | 3934.3 | 3806.0 | 3612.7 |
| 70°    | 4457.7 | 4547.6 | 4623.6 | 4517.2 | 4409.0 | 4261.3 | 4110.5 | 3951.9 | 3786.6 | 3648.6 | 3453.4 |
| 72.5°  | 3540.9 | 3642.5 | 3632.2 | 3620.6 | 3534.3 | 3386.6 | 3248.0 | 3162.9 | 3046.8 | 2880.2 | 2739.2 |
| 75°    | 2058.9 | 2105.7 | 2023.7 | 2109.9 | 2006.6 | 1857.7 | 1877.2 | 1781.2 | 1696.1 | 1600.0 | 1525.8 |
| 77.5°  | 808.5  | 849.9  | 806.7  | 792.7  | 746.4  | 736.1  | 659.0  | 668.1  | 629.7  | 554.4  | 519.8  |
| 80°    | 306.4  | 311.9  | 304.5  | 289.4  | 286.3  | 268.7  | 263.8  | 246.8  | 238.9  | 214.0  | 204.9  |
| 82.5°  | 164.7  | 167.8  | 163.0  | 158.0  | 154.4  | 144.0  | 137.4  | 124.6  | 117.3  | 109.5  | 108.8  |
| 85°    | 94.8   | 92.4   | 89.9   | 87.6   | 82.0   | 76.0   | 71.1   | 66.3   | 60.8   | 56.6   | 52.3   |
| 87.5°  | 49.8   | 50.4   | 51.0   | 48.6   | 45.0   | 40.1   | 37.0   | 35.3   | 31.0   | 29.2   | 27.3   |
| 90°    | 25.4   | 21.0   | 22.6   | 26.0   | 24.6   | 21.4   | 20.6   | 18.5   | 16.5   | 16.3   | 14.4   |
| 92.5°  | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    |
| 95°    | 7.2    | 7.2    | 7.2    | 7.2    | 7.2    | 7.2    | 7.2    | 7.2    | 7.2    | 7.2    | 7.2    |
| 97.5°  | 9.1    | 9.0    | 8.9    | 8.8    | 8.7    | 8.6    | 8.5    | 8.4    | 8.3    | 8.2    | 8.2    |
| 100°   | 23.1   | 22.7   | 22.3   | 21.9   | 21.5   | 21.1   | 20.7   | 20.3   | 19.8   | 19.4   | 19.4   |
| 102.5° | 42.7   | 42.4   | 42.0   | 41.7   | 41.4   | 41.1   | 40.8   | 40.5   | 40.2   | 39.9   | 39.7   |
| 105°   | 66.1   | 65.7   | 65.3   | 64.9   | 64.4   | 64.0   | 63.6   | 63.2   | 62.8   | 62.4   | 62.4   |
| 107.5° | 91.8   | 91.5   | 91.1   | 90.8   | 90.5   | 90.2   | 89.9   | 89.6   | 89.3   | 89.0   | 88.8   |



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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|        | 76°   | 77°   | 78°   | 79°   | 80°   | 81°   | 82°   | 83°   | 84°   | 85°   | 86°   |        |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 110°   | 121.4 | 121.1 | 120.8 | 120.5 | 120.2 | 119.9 | 119.6 | 119.3 | 119.0 | 118.7 | 118.9 | 0°     |
| 112.5° | 152.2 | 152.0 | 151.8 | 151.6 | 151.4 | 151.2 | 151.0 | 150.8 | 150.6 | 150.4 | 150.4 | 2.5°   |
| 115°   | 182.9 | 182.7 | 182.5 | 182.3 | 182.1 | 181.9 | 181.7 | 181.5 | 181.3 | 181.1 | 181.3 | 5°     |
| 117.5° | 214.6 | 214.4 | 214.2 | 214.0 | 213.8 | 213.6 | 213.4 | 213.2 | 213.0 | 212.8 | 213.0 | 7.5°   |
| 120°   | 250.4 | 250.2 | 250.0 | 249.8 | 249.6 | 249.4 | 249.2 | 249.0 | 248.8 | 248.6 | 248.6 | 10°    |
| 122.5° | 284.2 | 284.0 | 283.8 | 283.6 | 283.4 | 283.2 | 282.9 | 282.7 | 282.5 | 282.3 | 282.5 | 12.5°  |
| 125°   | 317.1 | 317.1 | 317.1 | 317.1 | 317.1 | 317.1 | 317.1 | 317.1 | 317.1 | 317.1 | 317.1 | 15°    |
| 127.5° | 353.8 | 353.7 | 353.6 | 353.5 | 353.4 | 353.3 | 353.2 | 353.1 | 353.0 | 352.9 | 353.3 | 17.5°  |
| 130°   | 389.5 | 389.3 | 389.1 | 388.9 | 388.7 | 388.5 | 388.3 | 388.1 | 387.9 | 387.7 | 387.9 | 20°    |
| 132.5° | 423.5 | 423.5 | 423.5 | 423.5 | 423.5 | 423.5 | 423.5 | 423.5 | 423.5 | 423.5 | 423.7 | 22.5°  |
| 135°   | 457.6 | 457.9 | 458.2 | 458.5 | 458.8 | 459.1 | 459.4 | 459.7 | 460.0 | 460.3 | 460.5 | 25°    |
| 137.5° | 487.4 | 487.9 | 488.5 | 489.0 | 489.5 | 490.0 | 490.5 | 491.0 | 491.5 | 492.0 | 492.2 | 27.5°  |
| 140°   | 516.1 | 516.6 | 517.1 | 517.6 | 518.1 | 518.6 | 519.1 | 519.7 | 520.2 | 520.7 | 521.1 | 30°    |
| 142.5° | 545.3 | 545.4 | 545.5 | 545.6 | 545.7 | 545.8 | 545.9 | 546.1 | 546.2 | 546.3 | 546.7 | 32.5°  |
| 145°   | 573.6 | 573.3 | 573.0 | 572.6 | 572.3 | 572.0 | 571.7 | 571.4 | 571.1 | 570.8 | 571.2 | 35°    |
| 147.5° | 599.1 | 598.8 | 598.5 | 598.2 | 597.9 | 597.6 | 597.3 | 597.0 | 596.7 | 596.4 | 596.8 | 37.5°  |
| 150°   | 617.1 | 617.5 | 617.8 | 618.1 | 618.4 | 618.7 | 619.0 | 619.3 | 619.6 | 619.9 | 620.7 | 40°    |
| 152.5° | 632.7 | 633.2 | 633.7 | 634.2 | 634.7 | 635.3 | 635.8 | 636.3 | 636.8 | 637.3 | 638.3 | 42.5°  |
| 155°   | 650.8 | 651.0 | 651.2 | 651.4 | 651.6 | 651.8 | 652.0 | 652.2 | 652.4 | 652.6 | 653.3 | 45°    |
| 157.5° | 664.9 | 664.9 | 664.9 | 664.9 | 664.9 | 664.9 | 664.9 | 664.9 | 664.9 | 664.9 | 665.9 | 47.5°  |
| 160°   | 676.1 | 676.0 | 675.9 | 675.8 | 675.7 | 675.6 | 675.5 | 675.4 | 675.2 | 675.1 | 676.4 | 50°    |
| 162.5° | 685.2 | 685.0 | 684.8 | 684.6 | 684.4 | 684.1 | 683.9 | 683.7 | 683.5 | 683.3 | 684.6 | 52.5°  |
| 165°   | 695.4 | 695.2 | 695.0 | 694.8 | 694.6 | 694.4 | 694.2 | 694.0 | 693.8 | 693.6 | 694.4 | 55°    |
| 167.5° | 703.8 | 703.8 | 703.8 | 703.8 | 703.8 | 703.8 | 703.8 | 703.8 | 703.8 | 703.8 | 705.0 | 57.5°  |
| 170°   | 710.1 | 710.3 | 710.5 | 710.7 | 711.0 | 711.2 | 711.4 | 711.6 | 711.8 | 712.0 | 713.0 | 60°    |
| 172.5° | 710.1 | 710.3 | 710.5 | 710.7 | 711.0 | 711.2 | 711.4 | 711.6 | 711.8 | 712.0 | 713.0 | 62.5°  |
| 175°   | 711.8 | 711.6 | 711.4 | 711.2 | 711.0 | 710.7 | 710.5 | 710.3 | 710.1 | 709.9 | 711.0 | 65°    |
| 177.5° | 716.8 | 716.5 | 716.2 | 715.9 | 715.6 | 715.2 | 714.9 | 714.6 | 714.3 | 714.0 | 714.8 | 67.5°  |
| 180°   | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 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: P226335  
 NUMBER: ISW-AF-600-LED-E1-T2-ULG

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

| 87°    | 88°    | 89°    | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 110°   | 87°   |
|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|--------|-------|
| 582.4  | 582.4  | 582.4  | 582.4  | 582.4  | 582.4 | 582.4 | 582.4 | 582.4 | 582.4 | 582.4 | 110°   | 119.1 |
| 586.7  | 586.7  | 584.8  | 583.6  | 579.3  | 572.0 | 564.8 | 558.0 | 548.9 | 545.2 | 540.4 | 112.5° | 150.4 |
| 588.4  | 587.2  | 585.4  | 583.0  | 574.5  | 557.4 | 539.8 | 521.0 | 501.6 | 483.9 | 463.2 | 115°   | 181.5 |
| 589.6  | 587.2  | 584.8  | 581.8  | 569.6  | 543.5 | 508.2 | 471.1 | 436.5 | 410.3 | 399.4 | 117.5° | 213.2 |
| 590.2  | 588.4  | 585.4  | 581.1  | 564.2  | 525.2 | 468.7 | 415.2 | 384.8 | 374.5 | 372.7 | 120°   | 248.6 |
| 597.0  | 593.9  | 589.0  | 584.2  | 561.7  | 505.1 | 424.3 | 373.3 | 361.1 | 365.9 | 374.5 | 122.5° | 282.7 |
| 605.5  | 601.8  | 595.8  | 590.9  | 560.5  | 479.0 | 381.2 | 349.5 | 353.8 | 367.1 | 381.2 | 125°   | 317.1 |
| 620.6  | 614.6  | 607.9  | 603.0  | 562.9  | 446.8 | 346.5 | 337.4 | 350.2 | 367.1 | 386.1 | 127.5° | 353.7 |
| 643.1  | 634.6  | 626.8  | 618.3  | 566.5  | 406.7 | 325.8 | 329.5 | 344.6 | 362.9 | 383.6 | 130°   | 388.1 |
| 671.2  | 661.3  | 650.4  | 637.7  | 570.8  | 372.0 | 314.3 | 321.0 | 334.9 | 350.8 | 367.8 | 132.5° | 423.9 |
| 708.8  | 695.4  | 681.5  | 665.6  | 576.8  | 334.3 | 303.9 | 311.3 | 319.8 | 328.9 | 337.4 | 135°   | 460.7 |
| 756.2  | 738.0  | 722.8  | 701.5  | 583.0  | 308.8 | 295.4 | 297.9 | 299.7 | 301.0 | 300.3 | 137.5° | 492.4 |
| 819.5  | 791.5  | 773.9  | 747.7  | 589.6  | 295.4 | 285.7 | 282.6 | 279.7 | 275.4 | 270.5 | 140°   | 521.5 |
| 886.3  | 863.2  | 835.2  | 801.8  | 593.9  | 286.3 | 276.6 | 266.9 | 258.4 | 254.1 | 254.1 | 142.5° | 547.1 |
| 964.1  | 935.6  | 900.3  | 858.4  | 588.4  | 276.6 | 264.4 | 251.6 | 246.8 | 252.3 | 250.4 | 145°   | 571.6 |
| 1041.9 | 1002.4 | 963.5  | 915.4  | 575.1  | 265.7 | 251.0 | 244.4 | 248.1 | 240.7 | 236.5 | 147.5° | 597.2 |
| 1127.6 | 1083.9 | 1029.8 | 973.8  | 555.6  | 254.1 | 244.4 | 248.1 | 235.3 | 226.8 | 230.4 | 150°   | 621.5 |
| 1223.7 | 1172.0 | 1113.7 | 1037.7 | 542.9  | 246.8 | 234.1 | 237.1 | 226.2 | 220.0 | 218.2 | 152.5° | 639.3 |
| 1354.4 | 1280.8 | 1209.7 | 1120.3 | 552.6  | 235.3 | 214.0 | 226.2 | 220.0 | 214.6 | 209.7 | 155°   | 653.9 |
| 1482.7 | 1404.2 | 1320.3 | 1215.2 | 569.6  | 226.8 | 198.1 | 214.6 | 218.8 | 209.7 | 200.6 | 157.5° | 667.0 |
| 1611.6 | 1528.2 | 1430.4 | 1313.1 | 590.2  | 221.3 | 186.0 | 200.6 | 215.8 | 204.9 | 197.5 | 160°   | 677.6 |
| 1747.1 | 1641.9 | 1541.6 | 1415.2 | 617.0  | 215.8 | 176.3 | 188.4 | 210.3 | 204.9 | 194.0 | 162.5° | 685.8 |
| 1889.3 | 1765.3 | 1665.1 | 1528.2 | 663.8  | 207.9 | 164.1 | 178.7 | 204.9 | 204.3 | 190.3 | 165°   | 695.2 |
| 2054.7 | 1944.0 | 1815.1 | 1676.0 | 728.9  | 198.8 | 153.2 | 171.4 | 200.0 | 201.8 | 186.0 | 167.5° | 706.2 |
| 2336.1 | 2221.8 | 2066.3 | 1933.7 | 857.7  | 186.6 | 146.5 | 164.1 | 192.1 | 196.9 | 182.4 | 170°   | 714.0 |
| 2792.7 | 2637.1 | 2494.2 | 2370.2 | 1078.4 | 169.6 | 141.7 | 156.2 | 183.6 | 190.9 | 179.3 | 172.5° | 714.0 |
| 3316.0 | 3164.1 | 2991.4 | 2782.9 | 1201.1 | 153.7 | 134.9 | 146.5 | 175.0 | 184.8 | 176.3 | 175°   | 712.0 |
| 3538.5 | 3339.7 | 3130.0 | 2882.6 | 1083.9 | 141.1 | 127.7 | 137.4 | 165.3 | 176.3 | 172.1 | 177.5° | 715.7 |
| 3436.4 | 3235.2 | 2991.4 | 2748.9 | 942.9  | 134.3 | 123.4 | 132.5 | 158.0 | 170.8 | 167.8 | 180°   | 716.1 |
| 3258.9 | 3056.5 | 2838.9 | 2547.7 | 841.9  | 130.7 | 120.4 | 129.5 | 155.0 | 167.8 | 165.3 |        |       |
| 2577.4 | 2396.9 | 2196.3 | 1974.4 | 573.9  | 118.6 | 110.7 | 120.4 | 142.8 | 156.8 | 156.2 |        |       |
| 1365.9 | 1313.1 | 1164.7 | 1034.6 | 297.3  | 105.8 | 100.4 | 110.1 | 132.0 | 146.5 | 146.5 |        |       |
| 491.7  | 446.2  | 426.8  | 354.4  | 158.0  | 92.4  | 89.9  | 97.3  | 119.8 | 133.7 | 133.1 |        |       |
| 186.0  | 181.2  | 162.3  | 152.0  | 100.4  | 75.4  | 76.0  | 83.3  | 105.2 | 118.6 | 117.9 |        |       |
| 105.2  | 95.4   | 92.4   | 89.4   | 63.8   | 59.5  | 62.6  | 69.9  | 89.9  | 101.5 | 103.3 |        |       |
| 50.4   | 46.9   | 45.6   | 42.6   | 41.9   | 45.6  | 49.2  | 55.3  | 71.7  | 85.7  | 83.9  |        |       |
| 24.3   | 23.1   | 22.5   | 21.9   | 29.8   | 29.2  | 35.9  | 38.3  | 48.0  | 68.1  | 61.4  |        |       |
| 15.0   | 15.0   | 14.4   | 13.2   | 15.7   | 18.9  | 20.8  | 23.5  | 27.2  | 47.7  | 40.4  |        |       |
| 6.1    | 6.1    | 6.1    | 6.1    | 6.1    | 6.1   | 7.2   | 7.2   | 6.1   | 6.1   | 6.1   |        |       |
| 7.2    | 7.2    | 7.2    | 7.2    | 7.2    | 7.2   | 8.2   | 7.2   | 7.2   | 7.2   | 7.2   |        |       |
| 8.2    | 8.2    | 8.2    | 8.2    | 8.2    | 9.2   | 10.2  | 12.3  | 9.2   | 9.2   | 8.2   |        |       |
| 19.4   | 19.4   | 19.4   | 19.4   | 19.4   | 23.5  | 26.6  | 29.7  | 21.5  | 12.3  | 10.2  |        |       |
| 39.5   | 39.3   | 39.1   | 38.9   | 39.9   | 43.0  | 48.1  | 51.1  | 40.9  | 27.6  | 18.4  |        |       |
| 62.4   | 62.4   | 62.4   | 62.4   | 62.4   | 66.5  | 71.6  | 73.7  | 64.4  | 49.1  | 36.8  |        |       |
| 88.6   | 88.4   | 88.2   | 88.0   | 89.0   | 92.1  | 96.2  | 97.2  | 90.0  | 74.7  | 59.3  |        |       |

'226335  
 ISW-AF-600-LED-E1-T2-ULG

REPORT NUMBER: P226335  
 CATALOG NUMBER: ISW-AF-6I

**TION (continued):**

**CANDELA DISTRIBUTION (con**

| 88°   | 89°   | 90°   | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  |        | 165°  | 175°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| 119.3 | 119.5 | 119.7 | 118.7 | 121.7 | 123.8 | 122.8 | 116.6 | 104.3 | 89.0  | 0°     | 582.4 | 582.4 |
| 150.4 | 150.4 | 150.4 | 150.4 | 152.4 | 153.4 | 151.4 | 146.3 | 137.1 | 123.8 | 2.5°   | 536.1 | 527.6 |
| 181.7 | 181.9 | 182.1 | 181.1 | 183.1 | 186.2 | 183.1 | 178.0 | 171.9 | 162.6 | 5°     | 448.1 | 446.8 |
| 213.4 | 213.6 | 213.8 | 212.8 | 214.8 | 219.9 | 215.8 | 209.7 | 206.6 | 201.5 | 7.5°   | 392.7 | 384.8 |
| 248.6 | 248.6 | 248.6 | 248.6 | 250.6 | 255.7 | 251.6 | 248.6 | 242.4 | 238.3 | 10°    | 374.5 | 373.9 |
| 282.9 | 283.2 | 283.4 | 282.3 | 284.4 | 289.5 | 285.4 | 283.4 | 277.2 | 273.1 | 12.5°  | 382.4 | 384.2 |
| 317.1 | 317.1 | 317.1 | 317.1 | 317.1 | 322.2 | 320.2 | 317.1 | 312.0 | 305.9 | 15°    | 392.7 | 396.4 |
| 354.1 | 354.6 | 355.0 | 352.9 | 353.9 | 353.9 | 352.9 | 347.8 | 346.8 | 340.6 | 17.5°  | 399.4 | 406.1 |
| 388.3 | 388.5 | 388.7 | 387.7 | 389.7 | 389.7 | 385.7 | 380.5 | 378.5 | 374.4 | 20°    | 397.5 | 405.5 |
| 424.1 | 424.3 | 424.5 | 423.5 | 423.5 | 425.5 | 420.4 | 414.3 | 413.3 | 410.2 | 22.5°  | 377.5 | 381.2 |
| 460.9 | 461.1 | 461.4 | 460.3 | 457.3 | 458.3 | 453.2 | 447.0 | 445.0 | 441.9 | 25°    | 341.7 | 342.9 |
| 492.7 | 492.9 | 493.1 | 492.0 | 486.9 | 485.9 | 483.9 | 478.7 | 474.6 | 470.6 | 27.5°  | 298.5 | 297.3 |
| 521.9 | 522.3 | 522.7 | 520.7 | 515.6 | 513.5 | 511.5 | 508.4 | 502.3 | 500.2 | 30°    | 268.1 | 260.1 |
| 547.5 | 547.9 | 548.3 | 546.3 | 545.2 | 545.2 | 539.1 | 537.0 | 533.0 | 529.9 | 32.5°  | 254.1 | 249.2 |
| 572.0 | 572.4 | 572.9 | 570.8 | 573.9 | 574.9 | 568.8 | 563.6 | 562.6 | 559.6 | 35°    | 244.4 | 236.5 |
| 597.6 | 598.0 | 598.4 | 596.4 | 599.4 | 598.4 | 593.3 | 588.2 | 587.2 | 587.2 | 37.5°  | 253.5 | 252.9 |
| 622.4 | 623.2 | 624.0 | 619.9 | 616.8 | 613.8 | 610.7 | 606.6 | 606.6 | 606.6 | 40°    | 262.0 | 260.8 |
| 640.4 | 641.4 | 642.4 | 637.3 | 632.2 | 628.1 | 625.0 | 624.0 | 624.0 | 623.0 | 42.5°  | 247.5 | 236.5 |
| 654.5 | 655.1 | 655.7 | 652.6 | 650.6 | 645.5 | 640.4 | 642.4 | 644.5 | 641.4 | 45°    | 220.7 | 207.9 |
| 668.0 | 669.0 | 670.0 | 664.9 | 664.9 | 662.9 | 658.8 | 659.8 | 660.8 | 658.8 | 47.5°  | 202.4 | 195.2 |
| 678.8 | 680.1 | 681.3 | 675.1 | 676.2 | 679.2 | 673.1 | 670.0 | 670.0 | 671.1 | 50°    | 194.0 | 191.5 |
| 687.0 | 688.2 | 689.5 | 683.3 | 685.4 | 686.4 | 682.3 | 678.2 | 676.2 | 680.3 | 52.5°  | 191.5 | 197.5 |
| 696.0 | 696.8 | 697.7 | 693.6 | 695.6 | 692.5 | 687.4 | 688.4 | 688.4 | 691.5 | 55°    | 190.3 | 196.9 |
| 707.5 | 708.7 | 709.9 | 703.8 | 703.8 | 699.7 | 693.6 | 700.7 | 703.8 | 701.7 | 57.5°  | 181.8 | 193.3 |
| 715.0 | 716.1 | 717.1 | 712.0 | 709.9 | 704.8 | 701.7 | 706.9 | 708.9 | 707.9 | 60°    | 175.6 | 189.7 |
| 715.0 | 716.1 | 717.1 | 712.0 | 709.9 | 707.9 | 704.8 | 705.8 | 705.8 | 708.9 | 62.5°  | 172.1 | 187.8 |
| 713.0 | 714.0 | 715.0 | 709.9 | 712.0 | 711.0 | 705.8 | 705.8 | 706.9 | 711.0 | 65°    | 169.0 | 189.0 |
| 716.5 | 717.3 | 718.1 | 714.0 | 717.1 | 715.0 | 709.9 | 711.0 | 713.0 | 715.0 | 67.5°  | 164.1 | 192.7 |
| 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 69°    | 161.7 | 192.1 |
|       |       |       |       |       |       |       |       |       |       | 70°    | 159.3 | 190.3 |
|       |       |       |       |       |       |       |       |       |       | 72.5°  | 150.8 | 175.6 |
|       |       |       |       |       |       |       |       |       |       | 75°    | 140.5 | 155.0 |
|       |       |       |       |       |       |       |       |       |       | 77.5°  | 127.1 | 133.1 |
|       |       |       |       |       |       |       |       |       |       | 80°    | 112.4 | 116.1 |
|       |       |       |       |       |       |       |       |       |       | 82.5°  | 97.9  | 111.8 |
|       |       |       |       |       |       |       |       |       |       | 85°    | 76.6  | 94.8  |
|       |       |       |       |       |       |       |       |       |       | 87.5°  | 56.6  | 52.3  |
|       |       |       |       |       |       |       |       |       |       | 90°    | 39.4  | 28.8  |
|       |       |       |       |       |       |       |       |       |       | 92.5°  | 5.1   | 4.1   |
|       |       |       |       |       |       |       |       |       |       | 95°    | 6.1   | 5.1   |
|       |       |       |       |       |       |       |       |       |       | 97.5°  | 8.2   | 7.2   |
|       |       |       |       |       |       |       |       |       |       | 100°   | 9.2   | 8.2   |
|       |       |       |       |       |       |       |       |       |       | 102.5° | 13.3  | 11.3  |
|       |       |       |       |       |       |       |       |       |       | 105°   | 27.6  | 22.5  |
|       |       |       |       |       |       |       |       |       |       | 107.5° | 50.1  | 43.0  |



REPORT NUMBER: P226335

CATALOG NUMBER: ISW-AF-600-LED-E1-

00-LED-E1-T2-ULG

**tinued):**

|       |
|-------|
| 180°  |
| 582.4 |
| 529.5 |
| 443.1 |
| 385.4 |
| 375.6 |
| 383.0 |
| 397.5 |
| 408.5 |
| 407.2 |
| 384.2 |
| 344.0 |
| 302.1 |
| 266.3 |
| 254.7 |
| 240.1 |
| 255.9 |
| 263.2 |
| 238.9 |
| 207.9 |
| 194.0 |
| 190.3 |
| 199.4 |
| 196.3 |
| 194.0 |
| 190.3 |
| 187.2 |
| 186.6 |
| 187.8 |
| 185.4 |
| 182.4 |
| 164.1 |
| 147.7 |
| 133.1 |
| 117.3 |
| 99.1  |
| 74.2  |
| 56.6  |
| 25.2  |
| 4.1   |
| 5.1   |
| 7.2   |
| 8.2   |
| 11.3  |
| 21.5  |
| 41.9  |

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 175°  | 180°  |
|--------|-------|-------|-------|
| 110°   | 75.7  | 69.6  | 67.5  |
| 112.5° | 108.4 | 101.3 | 101.3 |
| 115°   | 150.4 | 142.2 | 143.2 |
| 117.5° | 193.3 | 188.2 | 188.2 |
| 120°   | 231.2 | 228.1 | 230.2 |
| 122.5° | 267.0 | 266.0 | 269.0 |
| 125°   | 302.8 | 300.7 | 304.8 |
| 127.5° | 336.6 | 336.6 | 337.6 |
| 130°   | 370.3 | 369.3 | 371.3 |
| 132.5° | 402.0 | 403.0 | 405.1 |
| 135°   | 435.8 | 435.8 | 438.8 |
| 137.5° | 469.5 | 467.5 | 470.6 |
| 140°   | 498.2 | 496.1 | 499.2 |
| 142.5° | 528.9 | 526.8 | 529.9 |
| 145°   | 556.5 | 558.5 | 562.6 |
| 147.5° | 584.1 | 585.1 | 588.2 |
| 150°   | 606.6 | 605.6 | 608.7 |
| 152.5° | 622.0 | 622.0 | 625.0 |
| 155°   | 639.3 | 639.3 | 643.4 |
| 157.5° | 657.8 | 657.8 | 660.8 |
| 160°   | 674.1 | 675.1 | 678.2 |
| 162.5° | 684.4 | 684.4 | 688.4 |
| 165°   | 691.5 | 693.6 | 696.6 |
| 167.5° | 699.7 | 702.8 | 705.8 |
| 170°   | 707.9 | 711.0 | 714.0 |
| 172.5° | 711.0 | 713.0 | 715.0 |
| 175°   | 713.0 | 714.0 | 716.1 |
| 177.5° | 716.1 | 721.2 | 723.2 |
| 180°   | 716.1 | 716.1 | 716.1 |

(END OF F

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report

