

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: P227319

Luminaire Tested: **ISW-AF-450-LED-E1-SLR-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P227319  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35948)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: ISW-AF-450-LED-E1-SLR-7030  
Description: IMPACT ELITE LED WEDGE LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (16) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

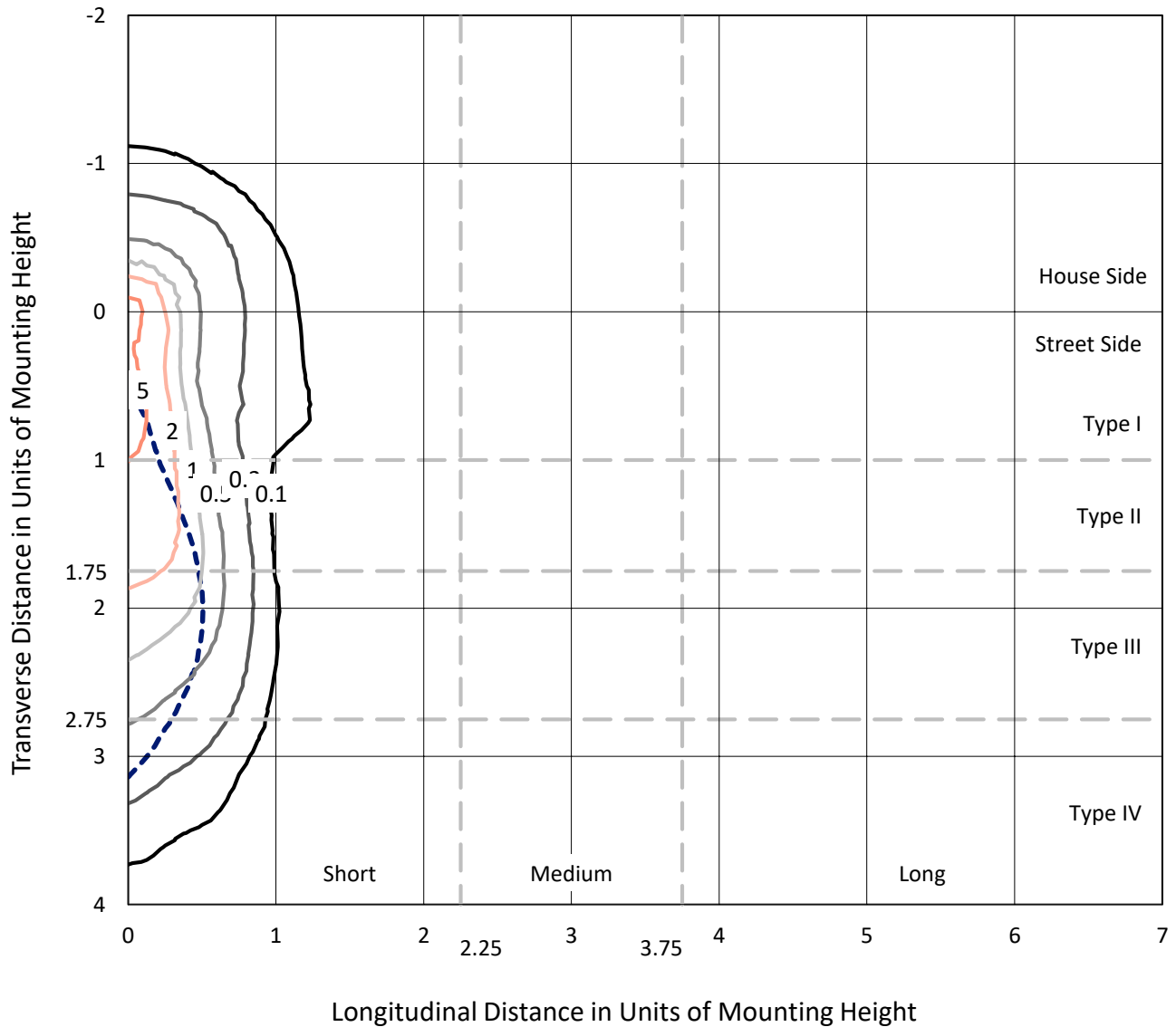
Lumens per Lamp: N/A  
Luminaire Lumens: 2394.6 lumens  
Efficiency: N/A  
Efficacy: 94.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U1 - G1  
  
Input Watts (W): 25.31  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

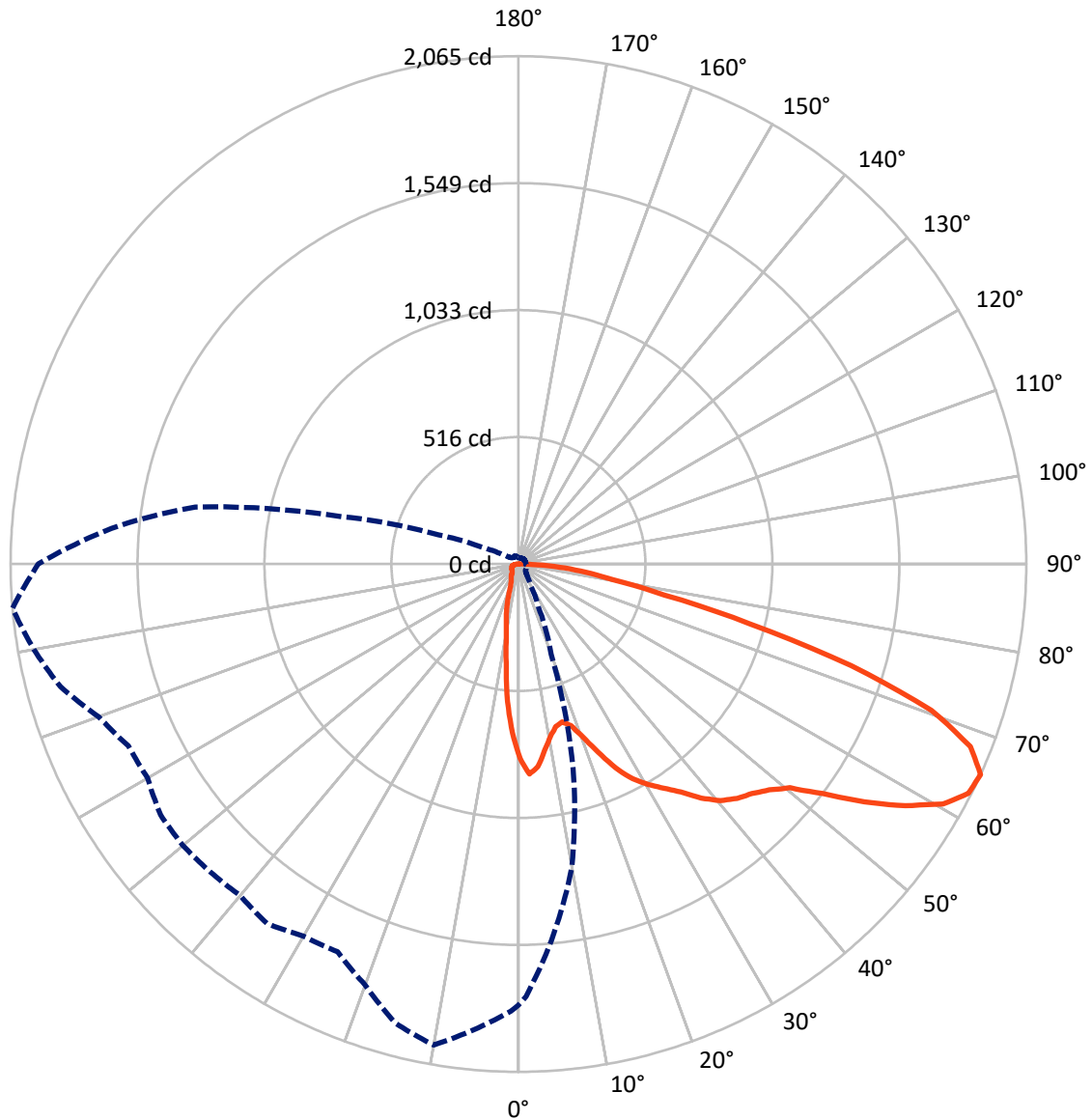
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 410.7    | 0.0    | 410.8  |
|                    | % Fixture | 17.2     | 0.0    | 17.2   |
| <b>Street Side</b> | Lumens    | 1983.7   | 0.1    | 1983.8 |
|                    | % Fixture | 82.8     | 0.0    | 82.8   |
| <b>Total</b>       | Lumens    | 2394.5   | 0.1    | 2394.6 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 58.6   | 2.4       |
| 10°-20°   | 112.8  | 4.7       |
| 20°-30°   | 160.8  | 6.7       |
| 30°-40°   | 233.3  | 9.7       |
| 40°-50°   | 333.7  | 13.9      |
| 50°-60°   | 512.4  | 21.4      |
| 60°-70°   | 593.1  | 24.8      |
| 70°-80°   | 302.6  | 12.6      |
| 80°-90°   | 87.3   | 3.6       |
| 90°-100°  | 0.1    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 2394.5 | 100.0     |
| 0°-180°   | 2394.6 | 100.0     |



REPORT NUMBER: P227319

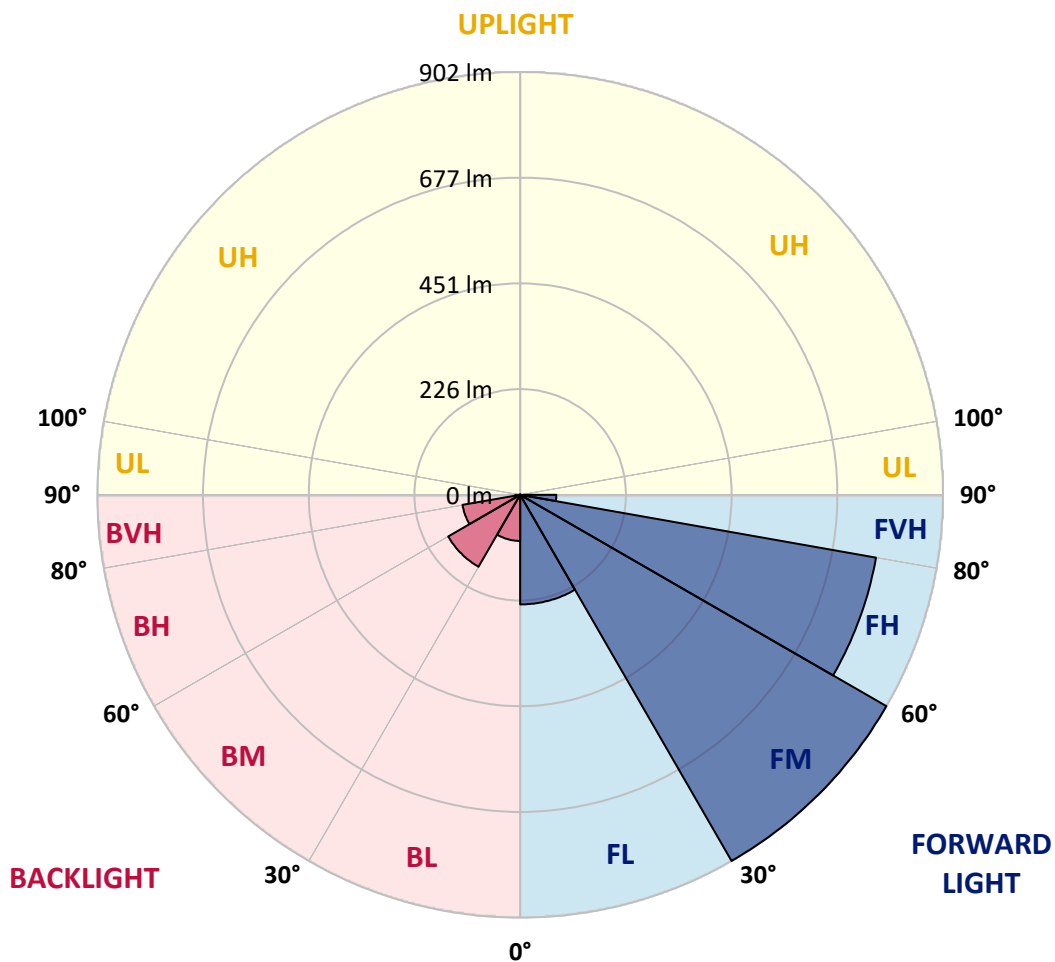
CATALOG NUMBER: ISW-AF-450-LED-E1-SLR-7030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |       |         |
|------|-------------|--------|-----------|-------------------------|-------|---------|
|      |             |        |           | B                       | U     | G       |
| FL   | (0°-30°)    | 233.9  | 9.8       |                         |       |         |
| FM   | (30°-60°)   | 902.0  | 37.7      |                         |       |         |
| FH   | (60°-80°)   | 770.7  | 32.2      |                         |       | G1/1800 |
| FVH  | (80°-90°)   | 77.2   | 3.2       |                         |       | G1/100  |
| BL   | (0°-30°)    | 98.3   | 4.1       | B0/110                  |       |         |
| BM   | (30°-60°)   | 177.4  | 7.4       | B0/220                  |       |         |
| BH   | (60°-80°)   | 124.9  | 5.2       | B1/500                  |       | G1/500  |
| BVH  | (80°-90°)   | 10.1   | 0.4       |                         |       | G1/100  |
| UL   | (90°-100°)  | 0.1    | 0.0       |                         | U1/10 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U1/10 |         |

**BUG Rating: B1-U1-G1**

Type IV Short





REPORT NUMBER: P227319

CATALOG NUMBER: ISW-AF-450-LED-E1-SLR-7030

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 1°     | 5°     | 10°    | 15°    | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0°     | 791.1  | 791.1  | 791.1  | 791.1  | 791.1  | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 |
| 2.5°   | 818.9  | 814.0  | 808.0  | 797.5  | 788.3  | 775.0 | 771.7 | 755.2 | 744.7 | 747.1 | 728.2 |
| 5°     | 768.9  | 766.1  | 751.2  | 727.8  | 712.5  | 682.3 | 664.9 | 656.1 | 631.1 | 627.9 | 621.0 |
| 7.5°   | 698.8  | 690.3  | 666.1  | 637.1  | 610.9  | 588.8 | 561.0 | 539.6 | 520.7 | 509.0 | 488.4 |
| 10°    | 638.7  | 629.9  | 603.7  | 568.2  | 536.8  | 505.8 | 483.2 | 455.4 | 428.4 | 407.4 | 390.9 |
| 12.5°  | 609.7  | 600.1  | 569.4  | 528.3  | 493.3  | 454.6 | 422.7 | 395.3 | 380.4 | 369.9 | 356.2 |
| 15°    | 621.0  | 606.9  | 570.2  | 521.1  | 477.5  | 436.4 | 402.6 | 373.2 | 355.4 | 339.3 | 323.2 |
| 17.5°  | 666.6  | 649.2  | 607.3  | 548.1  | 487.6  | 434.4 | 386.1 | 352.6 | 324.4 | 300.2 | 278.5 |
| 20°    | 744.7  | 731.8  | 671.0  | 588.0  | 509.4  | 435.6 | 372.0 | 328.0 | 293.8 | 263.2 | 234.1 |
| 22.5°  | 836.2  | 816.9  | 757.2  | 642.0  | 537.2  | 442.9 | 363.1 | 307.5 | 266.8 | 225.7 | 194.2 |
| 25°    | 932.1  | 917.2  | 838.2  | 714.5  | 579.9  | 457.8 | 356.2 | 289.3 | 234.9 | 189.4 | 154.7 |
| 27.5°  | 1009.5 | 996.2  | 918.0  | 784.2  | 619.0  | 470.7 | 346.2 | 272.0 | 209.6 | 154.7 | 116.5 |
| 30°    | 1072.8 | 1061.5 | 979.7  | 841.4  | 666.6  | 475.1 | 332.1 | 251.9 | 181.3 | 124.9 | 96.3  |
| 32.5°  | 1143.7 | 1131.2 | 1038.9 | 881.3  | 687.9  | 471.1 | 315.9 | 232.9 | 158.8 | 110.4 | 82.6  |
| 35°    | 1221.5 | 1207.0 | 1105.0 | 924.5  | 705.6  | 457.0 | 302.2 | 219.2 | 147.9 | 100.3 | 73.3  |
| 37.5°  | 1290.8 | 1281.5 | 1164.7 | 967.2  | 725.8  | 433.6 | 288.9 | 204.3 | 140.6 | 93.1  | 66.1  |
| 40°    | 1344.8 | 1342.4 | 1230.7 | 1002.6 | 741.5  | 416.7 | 278.1 | 192.6 | 131.4 | 90.3  | 63.7  |
| 42.5°  | 1388.3 | 1387.5 | 1284.7 | 1034.5 | 745.5  | 401.8 | 269.6 | 182.2 | 122.9 | 83.4  | 64.9  |
| 45°    | 1430.2 | 1429.8 | 1337.1 | 1078.8 | 748.4  | 402.6 | 263.2 | 175.7 | 115.7 | 79.0  | 61.3  |
| 47.5°  | 1470.1 | 1476.2 | 1391.9 | 1140.5 | 778.2  | 416.3 | 260.7 | 169.7 | 110.0 | 74.2  | 58.0  |
| 50°    | 1537.0 | 1531.0 | 1478.6 | 1223.9 | 826.1  | 442.9 | 256.7 | 164.4 | 104.8 | 69.7  | 54.8  |
| 52.5°  | 1664.0 | 1657.1 | 1610.4 | 1335.5 | 878.5  | 470.3 | 251.5 | 157.2 | 98.7  | 64.9  | 51.2  |
| 55°    | 1819.1 | 1828.4 | 1763.5 | 1471.3 | 949.9  | 493.3 | 245.8 | 147.5 | 90.7  | 59.2  | 48.8  |
| 57.5°  | 1910.2 | 1902.5 | 1828.4 | 1549.5 | 993.8  | 505.0 | 242.2 | 136.2 | 78.2  | 54.4  | 46.3  |
| 59°    | 1931.5 | 1918.7 | 1817.5 | 1562.8 | 1005.5 | 499.3 | 240.2 | 125.3 | 71.7  | 52.0  | 45.1  |
| 60°    | 1929.5 | 1913.8 | 1800.2 | 1554.3 | 1008.7 | 492.5 | 237.0 | 118.9 | 68.1  | 50.8  | 44.7  |
| 62.5°  | 1888.0 | 1863.4 | 1701.8 | 1452.0 | 963.6  | 458.2 | 223.7 | 103.6 | 63.3  | 49.2  | 42.3  |
| 65°    | 1793.7 | 1759.1 | 1536.6 | 1252.1 | 860.0  | 390.1 | 193.4 | 97.9  | 64.5  | 48.4  | 40.7  |
| 67.5°  | 1630.9 | 1603.1 | 1324.2 | 1036.1 | 685.5  | 315.1 | 167.2 | 95.5  | 66.1  | 49.2  | 38.3  |
| 70°    | 1326.7 | 1302.9 | 1033.3 | 775.8  | 513.4  | 250.7 | 151.9 | 94.3  | 64.9  | 47.2  | 36.3  |
| 72.5°  | 935.8  | 894.6  | 686.7  | 543.2  | 325.6  | 201.5 | 131.8 | 89.1  | 63.3  | 45.5  | 33.0  |
| 75°    | 569.4  | 577.1  | 436.4  | 395.7  | 205.5  | 138.2 | 103.6 | 75.0  | 56.0  | 40.7  | 29.8  |
| 77.5°  | 375.6  | 375.2  | 322.0  | 279.3  | 104.4  | 85.8  | 73.3  | 57.6  | 43.9  | 33.4  | 25.8  |
| 80°    | 254.7  | 257.5  | 233.7  | 190.6  | 58.0   | 51.6  | 48.0  | 41.9  | 32.2  | 25.4  | 21.4  |
| 82.5°  | 156.8  | 157.2  | 180.9  | 142.7  | 38.7   | 32.6  | 30.6  | 28.2  | 23.0  | 19.7  | 16.5  |
| 85°    | 54.4   | 55.6   | 63.3   | 100.7  | 26.2   | 21.4  | 21.4  | 19.7  | 17.3  | 13.3  | 10.9  |
| 87.5°  | 23.4   | 23.0   | 27.4   | 27.4   | 12.9   | 10.9  | 10.1  | 10.1  | 9.7   | 7.3   | 6.0   |
| 90°    | 1.6    | 1.2    | 1.2    | 1.6    | 2.0    | 2.8   | 2.4   | 2.8   | 2.8   | 2.4   | 1.6   |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



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CATALOG NUMBER: ISW-AF-450-LED-E1-SLR-7030

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 1°  | 5°  | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |





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**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 |
| 2.5°   | 722.6 | 718.1 | 705.6 | 702.4 | 706.4 | 698.4 | 696.4 | 694.4 | 679.4 | 687.1 | 678.2 |
| 5°     | 604.1 | 602.9 | 577.5 | 582.7 | 577.5 | 568.6 | 565.0 | 573.5 | 558.5 | 561.8 | 563.8 |
| 7.5°   | 464.2 | 459.4 | 442.5 | 431.2 | 424.4 | 418.3 | 410.7 | 398.2 | 407.8 | 405.8 | 421.1 |
| 10°    | 376.8 | 366.3 | 355.8 | 340.1 | 331.3 | 322.8 | 313.9 | 309.1 | 297.8 | 296.6 | 291.4 |
| 12.5°  | 345.4 | 330.5 | 317.2 | 303.5 | 294.2 | 277.3 | 263.2 | 254.3 | 247.0 | 235.8 | 227.3 |
| 15°    | 303.5 | 291.0 | 273.6 | 260.3 | 245.8 | 230.5 | 216.8 | 205.5 | 200.3 | 189.8 | 185.0 |
| 17.5°  | 261.1 | 242.2 | 221.2 | 207.9 | 187.8 | 172.1 | 160.8 | 153.5 | 145.9 | 139.4 | 133.8 |
| 20°    | 210.4 | 185.8 | 163.2 | 146.3 | 130.6 | 115.3 | 110.0 | 101.2 | 97.9  | 95.5  | 97.5  |
| 22.5°  | 160.0 | 134.6 | 111.2 | 98.3  | 89.9  | 85.8  | 81.4  | 79.8  | 78.6  | 78.2  | 79.0  |
| 25°    | 117.3 | 95.9  | 84.6  | 79.8  | 76.6  | 74.2  | 72.5  | 71.3  | 70.5  | 70.1  | 70.5  |
| 27.5°  | 90.7  | 79.4  | 73.7  | 70.5  | 68.1  | 66.5  | 65.7  | 64.5  | 64.1  | 63.7  | 64.1  |
| 30°    | 78.6  | 72.5  | 68.5  | 65.3  | 62.5  | 59.6  | 58.4  | 58.0  | 58.4  | 58.8  | 58.4  |
| 32.5°  | 68.5  | 64.1  | 59.6  | 56.8  | 54.8  | 53.2  | 53.2  | 52.4  | 52.4  | 53.6  | 54.0  |
| 35°    | 62.1  | 57.6  | 54.4  | 50.8  | 48.4  | 46.7  | 45.5  | 44.7  | 45.1  | 45.1  | 46.3  |
| 37.5°  | 56.8  | 53.6  | 50.8  | 47.6  | 45.1  | 43.5  | 42.7  | 41.9  | 41.5  | 41.1  | 41.1  |
| 40°    | 53.2  | 51.2  | 48.8  | 45.5  | 43.1  | 41.5  | 40.7  | 39.9  | 39.5  | 39.1  | 39.1  |
| 42.5°  | 53.2  | 49.2  | 47.6  | 44.7  | 41.9  | 40.3  | 39.1  | 38.3  | 37.5  | 37.5  | 37.5  |
| 45°    | 58.4  | 50.4  | 47.6  | 44.3  | 41.5  | 39.5  | 38.3  | 37.1  | 36.3  | 36.3  | 35.9  |
| 47.5°  | 56.8  | 56.4  | 48.4  | 44.3  | 41.9  | 39.5  | 37.9  | 36.7  | 35.9  | 35.5  | 35.1  |
| 50°    | 54.0  | 58.8  | 54.0  | 45.5  | 41.9  | 39.1  | 37.5  | 36.3  | 35.1  | 34.7  | 34.7  |
| 52.5°  | 52.4  | 54.8  | 56.0  | 47.2  | 42.3  | 39.1  | 37.1  | 35.9  | 35.1  | 34.3  | 33.9  |
| 55°    | 48.4  | 51.6  | 53.6  | 46.3  | 42.3  | 38.3  | 36.3  | 35.1  | 33.9  | 33.4  | 33.0  |
| 57.5°  | 44.3  | 46.7  | 51.6  | 46.3  | 41.1  | 37.9  | 35.5  | 33.9  | 33.0  | 32.6  | 32.2  |
| 59°    | 43.1  | 43.1  | 45.9  | 47.6  | 40.3  | 37.5  | 35.1  | 33.4  | 32.6  | 32.2  | 31.4  |
| 60°    | 41.9  | 41.9  | 43.5  | 48.8  | 39.9  | 37.1  | 34.7  | 33.0  | 31.8  | 31.8  | 31.4  |
| 62.5°  | 40.3  | 39.1  | 39.9  | 45.5  | 38.7  | 36.3  | 33.9  | 32.2  | 31.0  | 31.0  | 30.6  |
| 65°    | 38.3  | 36.7  | 36.7  | 37.9  | 36.3  | 34.7  | 33.0  | 31.4  | 29.8  | 29.8  | 30.2  |
| 67.5°  | 36.3  | 34.7  | 34.3  | 34.3  | 33.4  | 33.0  | 31.4  | 29.8  | 29.0  | 29.0  | 29.0  |
| 70°    | 33.4  | 32.2  | 31.8  | 31.0  | 31.0  | 30.6  | 29.4  | 28.2  | 27.4  | 27.8  | 27.4  |
| 72.5°  | 30.2  | 29.4  | 28.6  | 28.6  | 28.2  | 27.8  | 26.6  | 25.8  | 25.4  | 25.8  | 25.8  |
| 75°    | 27.0  | 25.8  | 25.8  | 25.0  | 25.0  | 24.6  | 23.4  | 23.0  | 22.6  | 23.0  | 23.4  |
| 77.5°  | 23.0  | 22.2  | 21.8  | 21.8  | 21.8  | 21.8  | 20.1  | 19.7  | 19.7  | 20.6  | 20.6  |
| 80°    | 18.9  | 18.5  | 18.1  | 18.1  | 18.1  | 17.7  | 16.9  | 16.5  | 16.5  | 16.9  | 17.3  |
| 82.5°  | 14.5  | 13.7  | 13.7  | 14.1  | 14.5  | 14.5  | 13.3  | 12.5  | 12.5  | 13.3  | 14.1  |
| 85°    | 9.7   | 9.7   | 9.7   | 10.1  | 10.1  | 10.5  | 9.7   | 8.5   | 8.9   | 9.3   | 10.5  |
| 87.5°  | 5.2   | 5.6   | 5.2   | 4.8   | 5.6   | 5.2   | 5.2   | 4.8   | 5.2   | 5.6   | 6.0   |
| 90°    | 1.6   | 1.6   | 1.2   | 0.8   | 0.4   | 0.8   | 0.8   | 1.2   | 0.4   | 0.4   | 0.8   |
| 92.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 95°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 97.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 100°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 102.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 105°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 107.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



REPORT NUMBER: P227319

CATALOG NUMBER: ISW-AF-450-LED-E1-SLR-7030

**CANDELA DISTRIBUTION (continued):**

|        | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 110°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |



REPORT NUMBER: P227319

CATALOG NUMBER: ISW-AF-450-LED-E1-SLR-7030

**CANDELA DISTRIBUTION (continued):**

|        | 105°  | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 |
| 2.5°   | 686.3 | 679.4 | 675.8 | 689.9 | 688.7 | 676.6 | 676.6 | 685.1 | 685.5 | 678.2 | 686.7 |
| 5°     | 566.2 | 559.4 | 565.8 | 560.2 | 563.4 | 563.0 | 567.8 | 559.0 | 562.6 | 559.4 | 551.7 |
| 7.5°   | 419.9 | 433.6 | 440.9 | 431.6 | 443.3 | 449.3 | 440.9 | 449.3 | 436.0 | 425.2 | 435.6 |
| 10°    | 288.9 | 304.3 | 301.4 | 316.3 | 322.0 | 325.2 | 331.3 | 323.6 | 314.3 | 311.5 | 303.9 |
| 12.5°  | 224.1 | 220.8 | 219.6 | 225.7 | 229.3 | 224.1 | 228.5 | 223.7 | 218.8 | 210.4 | 210.0 |
| 15°    | 175.3 | 170.1 | 166.4 | 159.6 | 157.2 | 158.4 | 160.4 | 160.4 | 150.7 | 151.1 | 154.7 |
| 17.5°  | 133.0 | 131.8 | 129.0 | 123.3 | 119.7 | 120.9 | 120.5 | 118.5 | 117.3 | 118.1 | 122.5 |
| 20°    | 99.9  | 98.7  | 100.3 | 102.0 | 100.7 | 101.2 | 99.5  | 97.5  | 96.7  | 97.5  | 98.3  |
| 22.5°  | 79.0  | 80.6  | 82.6  | 85.0  | 85.4  | 87.4  | 87.0  | 87.4  | 85.8  | 85.0  | 83.0  |
| 25°    | 72.1  | 72.9  | 71.7  | 72.1  | 72.1  | 74.2  | 73.7  | 73.7  | 72.1  | 71.7  | 72.1  |
| 27.5°  | 63.7  | 63.3  | 63.3  | 64.1  | 64.1  | 65.3  | 66.1  | 65.3  | 63.7  | 63.3  | 63.7  |
| 30°    | 58.8  | 58.4  | 58.0  | 58.4  | 58.0  | 58.4  | 59.2  | 59.2  | 58.4  | 57.2  | 57.6  |
| 32.5°  | 54.0  | 54.0  | 53.6  | 54.0  | 53.6  | 53.6  | 54.4  | 53.2  | 53.2  | 52.8  | 52.8  |
| 35°    | 47.6  | 48.4  | 49.2  | 49.6  | 49.6  | 49.6  | 50.4  | 49.2  | 48.8  | 48.4  | 48.4  |
| 37.5°  | 41.1  | 41.9  | 44.3  | 45.5  | 45.9  | 46.7  | 47.2  | 46.3  | 45.5  | 44.7  | 43.9  |
| 40°    | 39.1  | 39.1  | 39.9  | 41.5  | 43.1  | 43.5  | 44.3  | 43.1  | 42.7  | 41.5  | 40.3  |
| 42.5°  | 37.5  | 37.9  | 37.9  | 38.3  | 38.7  | 39.5  | 40.7  | 39.5  | 38.7  | 37.9  | 36.7  |
| 45°    | 36.3  | 36.3  | 36.3  | 36.3  | 35.9  | 35.9  | 36.3  | 35.5  | 35.1  | 34.7  | 34.7  |
| 47.5°  | 35.5  | 35.1  | 34.7  | 34.3  | 33.9  | 33.4  | 33.4  | 32.6  | 32.6  | 32.6  | 32.6  |
| 50°    | 34.7  | 33.9  | 33.4  | 33.0  | 32.2  | 32.2  | 32.2  | 31.4  | 31.0  | 31.0  | 31.4  |
| 52.5°  | 33.4  | 33.0  | 32.6  | 32.2  | 31.8  | 31.4  | 31.4  | 30.6  | 30.2  | 30.2  | 30.2  |
| 55°    | 33.0  | 32.6  | 31.8  | 31.4  | 31.0  | 31.4  | 31.0  | 30.6  | 29.8  | 29.8  | 29.8  |
| 57.5°  | 31.8  | 32.2  | 31.8  | 31.0  | 31.0  | 31.0  | 31.0  | 30.2  | 29.8  | 29.0  | 29.4  |
| 59°    | 31.4  | 31.8  | 31.4  | 31.0  | 30.6  | 31.0  | 31.0  | 29.8  | 29.4  | 29.0  | 29.0  |
| 60°    | 31.0  | 31.4  | 31.0  | 30.6  | 30.6  | 31.0  | 30.6  | 30.2  | 29.4  | 28.2  | 28.6  |
| 62.5°  | 30.6  | 30.6  | 30.2  | 30.2  | 29.8  | 30.2  | 29.8  | 29.0  | 28.2  | 27.4  | 27.0  |
| 65°    | 29.8  | 29.8  | 29.4  | 29.4  | 29.0  | 29.0  | 29.0  | 28.2  | 27.4  | 26.6  | 26.6  |
| 67.5°  | 29.4  | 29.0  | 28.6  | 28.6  | 28.2  | 28.2  | 28.2  | 27.4  | 26.2  | 25.8  | 25.4  |
| 70°    | 27.8  | 27.4  | 27.4  | 27.0  | 26.6  | 27.0  | 27.4  | 26.2  | 25.0  | 24.2  | 23.8  |
| 72.5°  | 26.2  | 25.8  | 25.8  | 25.4  | 25.4  | 25.8  | 26.2  | 25.0  | 23.4  | 22.6  | 22.2  |
| 75°    | 23.8  | 23.4  | 23.4  | 23.4  | 23.4  | 24.2  | 24.2  | 23.0  | 21.8  | 20.6  | 19.7  |
| 77.5°  | 20.6  | 21.0  | 21.0  | 21.0  | 21.0  | 21.8  | 21.8  | 21.0  | 19.7  | 18.9  | 17.7  |
| 80°    | 17.7  | 17.7  | 18.1  | 18.1  | 18.5  | 18.5  | 18.1  | 17.7  | 17.3  | 16.5  | 14.9  |
| 82.5°  | 14.9  | 14.9  | 14.9  | 14.9  | 14.9  | 14.5  | 13.7  | 14.5  | 14.5  | 13.7  | 12.5  |
| 85°    | 11.7  | 11.7  | 11.7  | 12.1  | 12.1  | 10.9  | 9.7   | 9.7   | 10.9  | 10.5  | 9.7   |
| 87.5°  | 6.9   | 6.9   | 7.3   | 8.5   | 7.7   | 7.3   | 6.0   | 6.4   | 6.0   | 6.9   | 5.6   |
| 90°    | 1.6   | 1.2   | 1.2   | 0.4   | 0.8   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 92.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 95°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 97.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 100°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 102.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 105°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 107.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



REPORT NUMBER: P227319  
 CATALOG NUMBER: ISW-AF-450-LED-E1-SLR-7030

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|        | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |        |
|--------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 110°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0°     |
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 2.5°   |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 5°     |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 7.5°   |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 10°    |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 12.5°  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 15°    |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 17.5°  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 20°    |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 22.5°  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 25°    |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 27.5°  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 30°    |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 32.5°  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 35°    |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 37.5°  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 40°    |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 42.5°  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 45°    |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 47.5°  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 50°    |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 52.5°  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 55°    |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 57.5°  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 59°    |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 60°    |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 62.5°  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 65°    |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 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° |



'227319  
 ISW-AF-450-LED-E1-SLR-7030

REPORT NUMBER: P227319  
 CATALOG NUMBER: ISW-AF-4!

**TION (continued):**

**CANDELA DISTRIBUTION (con**

| 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° |        | 215°  | 220°  |
|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0°     | 791.1 | 791.1 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 2.5°   | 740.3 | 743.9 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 5°     | 598.0 | 612.1 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 7.5°   | 452.2 | 471.1 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 10°    | 362.3 | 375.2 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 12.5°  | 318.0 | 336.5 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 15°    | 272.8 | 293.0 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 17.5°  | 223.7 | 248.2 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 20°    | 170.9 | 195.0 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 22.5°  | 120.1 | 140.6 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 25°    | 87.4  | 96.7  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 27.5°  | 77.8  | 81.4  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 30°    | 72.9  | 75.4  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 32.5°  | 65.7  | 68.1  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 35°    | 57.6  | 60.9  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 37.5°  | 53.6  | 56.0  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 40°    | 51.2  | 51.6  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 42.5°  | 49.2  | 49.2  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 45°    | 48.0  | 49.2  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 47.5°  | 48.8  | 54.0  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 50°    | 54.8  | 53.2  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 52.5°  | 56.0  | 50.0  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 55°    | 51.2  | 48.0  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 57.5°  | 45.9  | 41.9  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 59°    | 41.1  | 38.7  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 60°    | 38.3  | 37.5  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 62.5°  | 35.1  | 35.9  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 65°    | 32.6  | 34.3  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 67.5°  | 31.4  | 32.6  |
|      |      |      |      |      |      |      |      |      |      | 70°    | 29.4  | 30.2  |
|      |      |      |      |      |      |      |      |      |      | 72.5°  | 27.4  | 27.8  |
|      |      |      |      |      |      |      |      |      |      | 75°    | 24.6  | 25.0  |
|      |      |      |      |      |      |      |      |      |      | 77.5°  | 21.8  | 21.8  |
|      |      |      |      |      |      |      |      |      |      | 80°    | 17.7  | 17.7  |
|      |      |      |      |      |      |      |      |      |      | 82.5°  | 13.7  | 13.3  |
|      |      |      |      |      |      |      |      |      |      | 85°    | 8.9   | 8.5   |
|      |      |      |      |      |      |      |      |      |      | 87.5°  | 4.0   | 3.2   |
|      |      |      |      |      |      |      |      |      |      | 90°    | 0.0   | 0.0   |
|      |      |      |      |      |      |      |      |      |      | 92.5°  | 0.0   | 0.0   |
|      |      |      |      |      |      |      |      |      |      | 95°    | 0.0   | 0.0   |
|      |      |      |      |      |      |      |      |      |      | 97.5°  | 0.0   | 0.0   |
|      |      |      |      |      |      |      |      |      |      | 100°   | 0.0   | 0.0   |
|      |      |      |      |      |      |      |      |      |      | 102.5° | 0.0   | 0.0   |
|      |      |      |      |      |      |      |      |      |      | 105°   | 0.0   | 0.0   |
|      |      |      |      |      |      |      |      |      |      | 107.5° | 0.0   | 0.0   |





REPORT NUMBER: P227319

CATALOG NUMBER: ISW-AF-450-LED-E1-SLR-7030

SLR-7030

**CANDELA DISTRIBUTION (continued):**

| 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° |        | 270°   | 275°   | 280°   | 285°   |
|------|------|------|------|------|------|------|------|--------|--------|--------|--------|--------|
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0°     | 791.1  | 791.1  | 791.1  | 791.1  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 2.5°   | 846.7  | 855.2  | 862.4  | 868.0  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 5°     | 808.4  | 828.2  | 851.9  | 872.1  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 7.5°   | 740.3  | 765.3  | 804.0  | 827.7  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 10°    | 675.8  | 712.5  | 754.8  | 789.1  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 12.5°  | 631.9  | 677.4  | 717.7  | 756.0  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 15°    | 619.8  | 666.1  | 702.4  | 737.5  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 17.5°  | 644.0  | 690.3  | 721.4  | 742.7  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 20°    | 700.8  | 750.4  | 770.1  | 768.5  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 22.5°  | 778.6  | 830.6  | 830.6  | 814.4  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 25°    | 881.3  | 918.8  | 898.3  | 867.6  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 27.5°  | 954.3  | 989.3  | 953.5  | 903.1  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 30°    | 1014.7 | 1040.5 | 995.0  | 934.1  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 32.5°  | 1067.9 | 1086.9 | 1026.8 | 966.8  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 35°    | 1131.6 | 1138.5 | 1059.9 | 995.8  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 37.5°  | 1202.1 | 1207.8 | 1107.4 | 1027.6 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 40°    | 1285.1 | 1265.0 | 1142.5 | 1057.1 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 42.5°  | 1336.3 | 1303.3 | 1167.9 | 1072.4 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 45°    | 1376.6 | 1331.5 | 1179.6 | 1081.2 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 47.5°  | 1426.2 | 1373.0 | 1200.1 | 1097.4 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 50°    | 1491.5 | 1430.6 | 1252.1 | 1142.9 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 52.5°  | 1625.3 | 1549.9 | 1345.6 | 1222.3 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 55°    | 1779.2 | 1707.9 | 1495.1 | 1353.3 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 57.5°  | 1902.5 | 1854.6 | 1628.5 | 1471.7 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 59°    | 1948.1 | 1927.5 | 1722.8 | 1572.1 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 60°    | 1965.0 | 1982.7 | 1772.8 | 1633.3 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 62.5°  | 1976.7 | 2053.7 | 1935.2 | 1816.3 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 65°    | 1952.5 | 2065.3 | 2000.9 | 1927.9 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 67.5°  | 1847.3 | 1982.3 | 1969.8 | 1905.8 |
|      |      |      |      |      |      |      |      | 70°    | 1632.1 | 1782.4 | 1826.0 | 1734.9 |
|      |      |      |      |      |      |      |      | 72.5°  | 1227.9 | 1414.5 | 1651.9 | 1509.2 |
|      |      |      |      |      |      |      |      | 75°    | 799.9  | 972.4  | 1410.5 | 1292.8 |
|      |      |      |      |      |      |      |      | 77.5°  | 500.9  | 606.9  | 1006.3 | 905.5  |
|      |      |      |      |      |      |      |      | 80°    | 333.3  | 390.1  | 638.7  | 581.5  |
|      |      |      |      |      |      |      |      | 82.5°  | 250.7  | 276.5  | 439.3  | 413.1  |
|      |      |      |      |      |      |      |      | 85°    | 132.2  | 168.5  | 341.7  | 433.2  |
|      |      |      |      |      |      |      |      | 87.5°  | 49.6   | 55.2   | 257.1  | 387.3  |
|      |      |      |      |      |      |      |      | 90°    | 0.0    | 0.0    | 0.4    | 0.0    |
|      |      |      |      |      |      |      |      | 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    |
|      |      |      |      |      |      |      |      | 95°    | 0.0    | 0.0    | 0.0    | 0.0    |
|      |      |      |      |      |      |      |      | 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    |
|      |      |      |      |      |      |      |      | 100°   | 0.0    | 0.0    | 0.0    | 0.0    |
|      |      |      |      |      |      |      |      | 102.5° | 0.0    | 0.0    | 0.0    | 0.0    |
|      |      |      |      |      |      |      |      | 105°   | 0.0    | 0.0    | 0.0    | 0.0    |
|      |      |      |      |      |      |      |      | 107.5° | 0.0    | 0.0    | 0.0    | 0.0    |





REPORT NUMBER: P227319

CATALOG NUMBER: ISW-AF-450-LED-E1-SLR-7030

**CANDELA DISTRIBUTION (continued):**

| 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   |        | 270° | 275° | 280° | 285° | 290° |
|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|------|
| 791.1  | 791.1  | 791.1  | 791.1  | 791.1  | 791.1  | 791.1  | 110°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 872.9  | 880.1  | 884.6  | 881.3  | 886.6  | 887.8  | 882.2  | 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 889.0  | 909.2  | 923.7  | 933.7  | 937.8  | 941.4  | 939.8  | 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 859.2  | 890.2  | 917.2  | 935.8  | 942.2  | 947.0  | 942.6  | 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 826.1  | 858.4  | 883.8  | 902.3  | 901.9  | 906.7  | 898.3  | 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 795.1  | 826.5  | 849.1  | 848.3  | 842.7  | 828.6  | 826.1  | 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 770.5  | 787.0  | 792.7  | 791.5  | 775.4  | 767.3  | 766.1  | 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 758.4  | 757.6  | 744.7  | 730.6  | 715.3  | 714.5  | 704.0  | 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 760.4  | 734.3  | 710.5  | 686.3  | 669.8  | 666.1  | 667.4  | 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 785.8  | 739.5  | 694.8  | 670.2  | 650.8  | 645.2  | 647.6  | 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 817.7  | 755.6  | 700.0  | 662.5  | 646.8  | 640.0  | 641.2  | 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 839.0  | 774.1  | 717.3  | 671.0  | 649.6  | 643.2  | 647.2  | 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 866.4  | 799.5  | 740.7  | 692.7  | 660.9  | 652.4  | 655.3  | 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 893.4  | 826.9  | 773.7  | 719.3  | 680.7  | 664.9  | 669.4  | 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 922.5  | 858.8  | 805.2  | 755.6  | 710.1  | 685.5  | 691.1  | 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 956.3  | 895.9  | 849.9  | 804.4  | 757.6  | 737.1  | 739.5  | 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 988.9  | 932.1  | 902.7  | 868.9  | 841.4  | 810.0  | 810.0  | 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1008.3 | 979.3  | 971.2  | 961.5  | 945.4  | 922.9  | 918.0  | 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1032.1 | 1035.3 | 1053.8 | 1073.2 | 1078.0 | 1055.8 | 1049.0 | 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1076.8 | 1110.6 | 1171.5 | 1224.3 | 1234.8 | 1252.9 | 1232.0 | 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1139.7 | 1202.1 | 1304.9 | 1391.1 | 1415.7 | 1417.3 | 1418.9 | 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1211.4 | 1300.9 | 1436.7 | 1539.4 | 1583.4 | 1595.0 | 1586.6 | 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1334.3 | 1415.3 | 1564.0 | 1674.8 | 1731.3 | 1758.7 | 1751.4 | 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1456.0 | 1556.8 | 1687.7 | 1796.9 | 1857.0 | 1887.6 | 1894.1 | 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1539.0 | 1633.3 | 1754.2 | 1855.0 | 1914.2 | 1950.9 | 1954.1 | 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1589.8 | 1676.0 | 1794.1 | 1882.8 | 1942.0 | 1973.1 | 1984.3 | 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1743.8 | 1759.5 | 1840.1 | 1898.5 | 1940.0 | 1954.1 | 1962.6 | 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1815.9 | 1750.2 | 1740.9 | 1777.2 | 1780.8 | 1771.6 | 1759.9 | 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1715.5 | 1562.0 | 1505.2 | 1500.3 | 1485.4 | 1479.4 | 1442.3 | 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1489.9 | 1268.6 | 1168.3 | 1113.9 | 1146.9 | 1145.7 | 1107.8 |        |      |      |      |      |      |
| 1255.3 | 1030.1 | 899.9  | 821.7  | 812.0  | 810.4  | 777.4  |        |      |      |      |      |      |
| 1019.6 | 808.4  | 694.4  | 656.5  | 610.9  | 597.2  | 602.9  |        |      |      |      |      |      |
| 735.1  | 577.1  | 552.9  | 581.9  | 585.5  | 575.1  | 567.8  |        |      |      |      |      |      |
| 463.0  | 434.0  | 457.4  | 510.2  | 541.2  | 527.5  | 532.8  |        |      |      |      |      |      |
| 386.1  | 341.7  | 343.4  | 399.0  | 419.9  | 423.1  | 412.3  |        |      |      |      |      |      |
| 428.4  | 342.1  | 280.5  | 273.6  | 266.4  | 167.6  | 233.3  |        |      |      |      |      |      |
| 386.1  | 264.8  | 156.0  | 128.6  | 79.0   | 45.5   | 47.2   |        |      |      |      |      |      |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |        |      |      |      |      |      |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |        |      |      |      |      |      |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |        |      |      |      |      |      |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |        |      |      |      |      |      |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |        |      |      |      |      |      |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |        |      |      |      |      |      |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |        |      |      |      |      |      |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |        |      |      |      |      |      |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |        |      |      |      |      |      |



REPORT NUMBER: P227319

CATALOG NUMBER: ISW-AF-450-LED-E1-SLR-7030

**CANDELA DISTRIBUTION (continued):**

| 295° | 300° | 305° | 310° | 315° | 320° |        | 325°   | 330°   | 335°   | 340°   | 345°   | 350°   |
|------|------|------|------|------|------|--------|--------|--------|--------|--------|--------|--------|
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0°     | 791.1  | 791.1  | 791.1  | 791.1  | 791.1  | 791.1  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 2.5°   | 880.9  | 873.3  | 864.8  | 853.5  | 855.6  | 841.9  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 5°     | 927.3  | 914.0  | 895.9  | 872.9  | 851.5  | 824.1  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 7.5°   | 922.5  | 901.1  | 870.9  | 836.2  | 808.0  | 768.5  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 10°    | 880.9  | 853.1  | 828.6  | 792.7  | 756.0  | 721.4  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 12.5°  | 822.9  | 807.2  | 785.8  | 758.8  | 723.4  | 687.9  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 15°    | 759.6  | 760.9  | 748.0  | 740.7  | 723.0  | 694.8  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 17.5°  | 707.7  | 719.7  | 726.6  | 737.9  | 739.9  | 726.2  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 20°    | 673.0  | 689.9  | 711.3  | 742.3  | 775.0  | 789.1  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 22.5°  | 653.7  | 674.6  | 708.9  | 765.3  | 824.9  | 860.8  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 25°    | 650.0  | 677.8  | 725.8  | 794.7  | 872.1  | 922.5  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 27.5°  | 656.1  | 692.3  | 749.2  | 827.7  | 903.9  | 976.9  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 30°    | 675.4  | 717.7  | 779.8  | 864.4  | 943.4  | 1015.9 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 32.5°  | 694.0  | 746.3  | 814.9  | 897.5  | 976.9  | 1049.0 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 35°    | 723.8  | 776.6  | 846.7  | 922.9  | 999.8  | 1081.6 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 37.5°  | 769.3  | 815.7  | 871.7  | 942.6  | 1022.8 | 1107.4 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 40°    | 834.2  | 864.8  | 901.1  | 957.1  | 1034.1 | 1124.8 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 42.5°  | 931.3  | 937.8  | 950.3  | 979.3  | 1044.2 | 1144.9 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 45°    | 1056.6 | 1037.3 | 1026.4 | 1022.4 | 1066.7 | 1157.8 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 47.5°  | 1202.1 | 1164.2 | 1120.7 | 1099.8 | 1110.2 | 1178.4 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 50°    | 1391.5 | 1329.9 | 1244.4 | 1184.0 | 1178.8 | 1238.8 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 52.5°  | 1565.2 | 1484.6 | 1377.0 | 1305.7 | 1276.7 | 1351.6 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 55°    | 1729.2 | 1667.2 | 1545.5 | 1456.8 | 1446.7 | 1501.1 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 57.5°  | 1873.1 | 1819.5 | 1720.0 | 1604.3 | 1608.3 | 1661.1 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 59°    | 1947.7 | 1902.9 | 1810.6 | 1693.0 | 1701.8 | 1774.4 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 60°    | 1974.3 | 1936.8 | 1848.9 | 1749.8 | 1761.1 | 1836.4 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 62.5°  | 1972.2 | 1948.1 | 1884.4 | 1837.6 | 1895.3 | 1950.5 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 65°    | 1784.1 | 1747.4 | 1740.1 | 1821.9 | 1933.2 | 1986.4 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 67.5°  | 1418.9 | 1436.3 | 1505.2 | 1645.8 | 1832.4 | 1909.8 |
|      |      |      |      |      |      | 70°    | 1053.8 | 1084.5 | 1176.3 | 1352.8 | 1609.2 | 1742.9 |
|      |      |      |      |      |      | 72.5°  | 775.0  | 805.6  | 890.2  | 1083.6 | 1323.8 | 1442.3 |
|      |      |      |      |      |      | 75°    | 608.1  | 617.4  | 678.2  | 830.2  | 1043.3 | 1140.5 |
|      |      |      |      |      |      | 77.5°  | 561.8  | 534.0  | 509.0  | 590.4  | 703.6  | 787.0  |
|      |      |      |      |      |      | 80°    | 523.1  | 470.3  | 411.5  | 436.0  | 463.4  | 552.1  |
|      |      |      |      |      |      | 82.5°  | 406.2  | 371.2  | 325.2  | 356.6  | 369.5  | 372.4  |
|      |      |      |      |      |      | 85°    | 237.8  | 211.6  | 268.0  | 379.6  | 375.6  | 328.8  |
|      |      |      |      |      |      | 87.5°  | 83.8   | 108.8  | 122.5  | 210.4  | 254.3  | 220.0  |
|      |      |      |      |      |      | 90°    | 0.0    | 1.2    | 3.6    | 4.0    | 6.0    | 2.0    |
|      |      |      |      |      |      | 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
|      |      |      |      |      |      | 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
|      |      |      |      |      |      | 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
|      |      |      |      |      |      | 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
|      |      |      |      |      |      | 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
|      |      |      |      |      |      | 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
|      |      |      |      |      |      | 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P227319

CATALOG NUMBER: ISW-AF-450-LED-E1-SLR-7030

**CANDELA DISTRIBUTION (continued):**

| 355°   | 359°   | 360°   |        | 325° | 330° | 335° | 340° | 345° | 350° | 355° |
|--------|--------|--------|--------|------|------|------|------|------|------|------|
| 791.1  | 791.1  | 791.1  | 110°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 831.0  | 819.7  | 818.9  | 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 802.4  | 777.0  | 768.9  | 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 734.3  | 704.8  | 698.8  | 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 677.0  | 644.4  | 638.7  | 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 647.6  | 616.6  | 609.7  | 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 658.9  | 624.6  | 621.0  | 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 701.2  | 664.9  | 666.6  | 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 773.7  | 750.4  | 744.7  | 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 868.9  | 843.5  | 836.2  | 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 949.9  | 937.0  | 932.1  | 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1008.3 | 1014.3 | 1009.5 | 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1055.0 | 1075.2 | 1072.8 | 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1103.0 | 1142.1 | 1143.7 | 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1138.5 | 1207.4 | 1221.5 | 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1184.0 | 1276.3 | 1290.8 | 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1218.7 | 1327.1 | 1344.8 | 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1252.5 | 1369.0 | 1388.3 | 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1280.3 | 1410.5 | 1430.2 | 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1311.7 | 1450.8 | 1470.1 | 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1368.2 | 1514.0 | 1537.0 | 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1489.5 | 1631.3 | 1664.0 | 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1664.8 | 1793.3 | 1819.1 | 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1822.7 | 1903.3 | 1910.2 | 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1887.6 | 1933.6 | 1931.5 | 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1935.2 | 1940.8 | 1929.5 | 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1961.0 | 1907.4 | 1888.0 | 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1893.7 | 1819.1 | 1793.7 | 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1699.4 | 1659.9 | 1630.9 | 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1445.5 | 1345.6 | 1326.7 |        |      |      |      |      |      |      |      |
| 1095.7 | 964.0  | 935.8  |        |      |      |      |      |      |      |      |
| 765.7  | 607.7  | 569.4  |        |      |      |      |      |      |      |      |
| 503.3  | 390.1  | 375.6  |        |      |      |      |      |      |      |      |
| 326.4  | 259.1  | 254.7  |        |      |      |      |      |      |      |      |
| 227.7  | 170.1  | 156.8  |        |      |      |      |      |      |      |      |
| 139.8  | 56.8   | 54.4   |        |      |      |      |      |      |      |      |
| 43.5   | 26.2   | 23.4   |        |      |      |      |      |      |      |      |
| 1.2    | 1.6    | 1.6    |        |      |      |      |      |      |      |      |
| 0.0    | 0.0    | 0.0    |        |      |      |      |      |      |      |      |
| 0.0    | 0.0    | 0.0    |        |      |      |      |      |      |      |      |
| 0.0    | 0.0    | 0.0    |        |      |      |      |      |      |      |      |
| 0.0    | 0.0    | 0.0    |        |      |      |      |      |      |      |      |
| 0.0    | 0.0    | 0.0    |        |      |      |      |      |      |      |      |
| 0.0    | 0.0    | 0.0    |        |      |      |      |      |      |      |      |
| 0.0    | 0.0    | 0.0    |        |      |      |      |      |      |      |      |
| 0.0    | 0.0    | 0.0    |        |      |      |      |      |      |      |      |

