

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: P271636

Luminaire Tested: **IST-AF-450-LED-E1-SLR-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P271636  
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: IST-AF-450-LED-E1-SLR-7027  
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (16) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

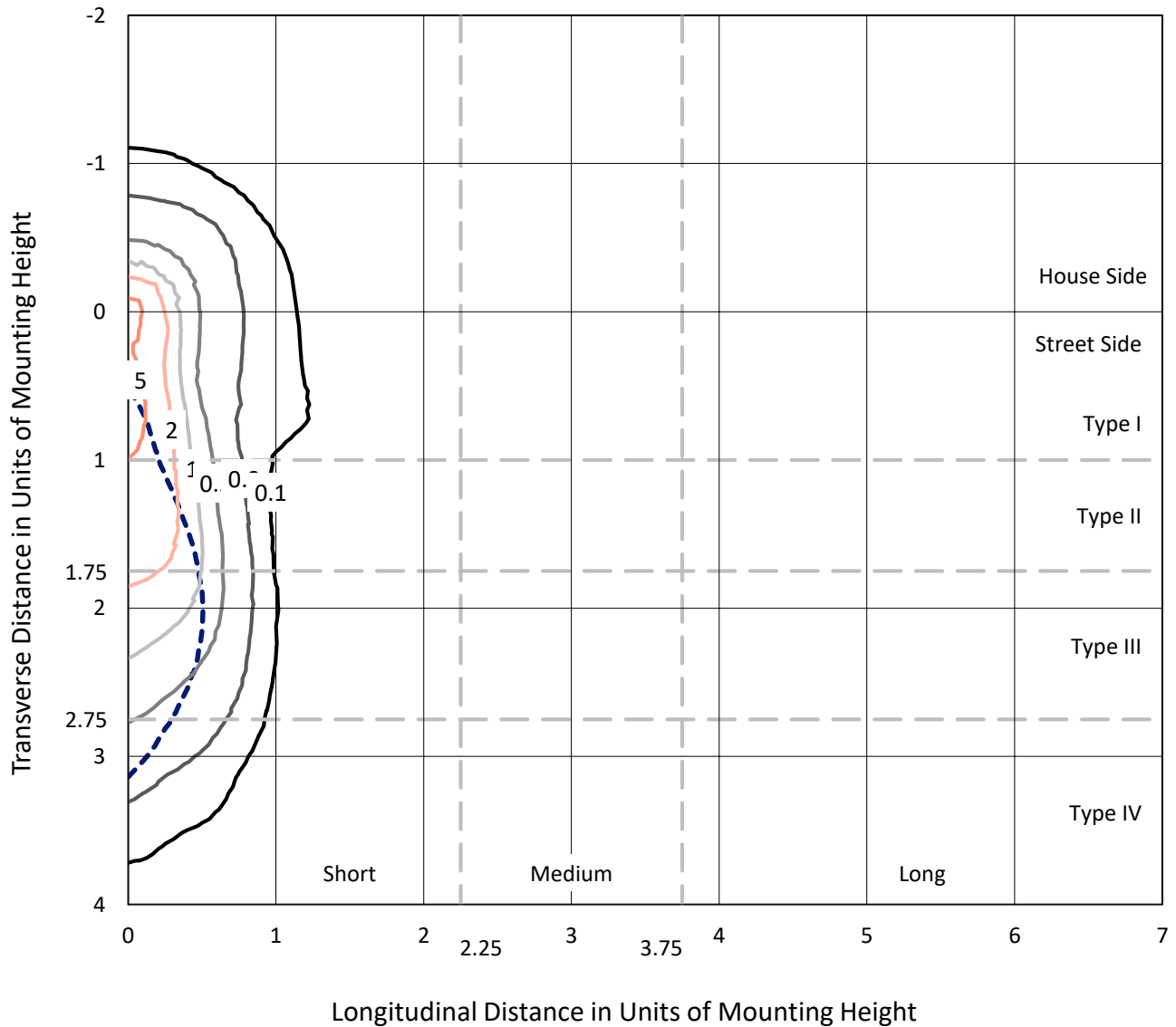
Lumens per Lamp: N/A  
Luminaire Lumens: 2350.2 lumens  
Efficiency: N/A  
Efficacy: 92.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U1 - G1  
  
Input Watts (W): 25.31  
Input Voltage (V): 120  
Input Current (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

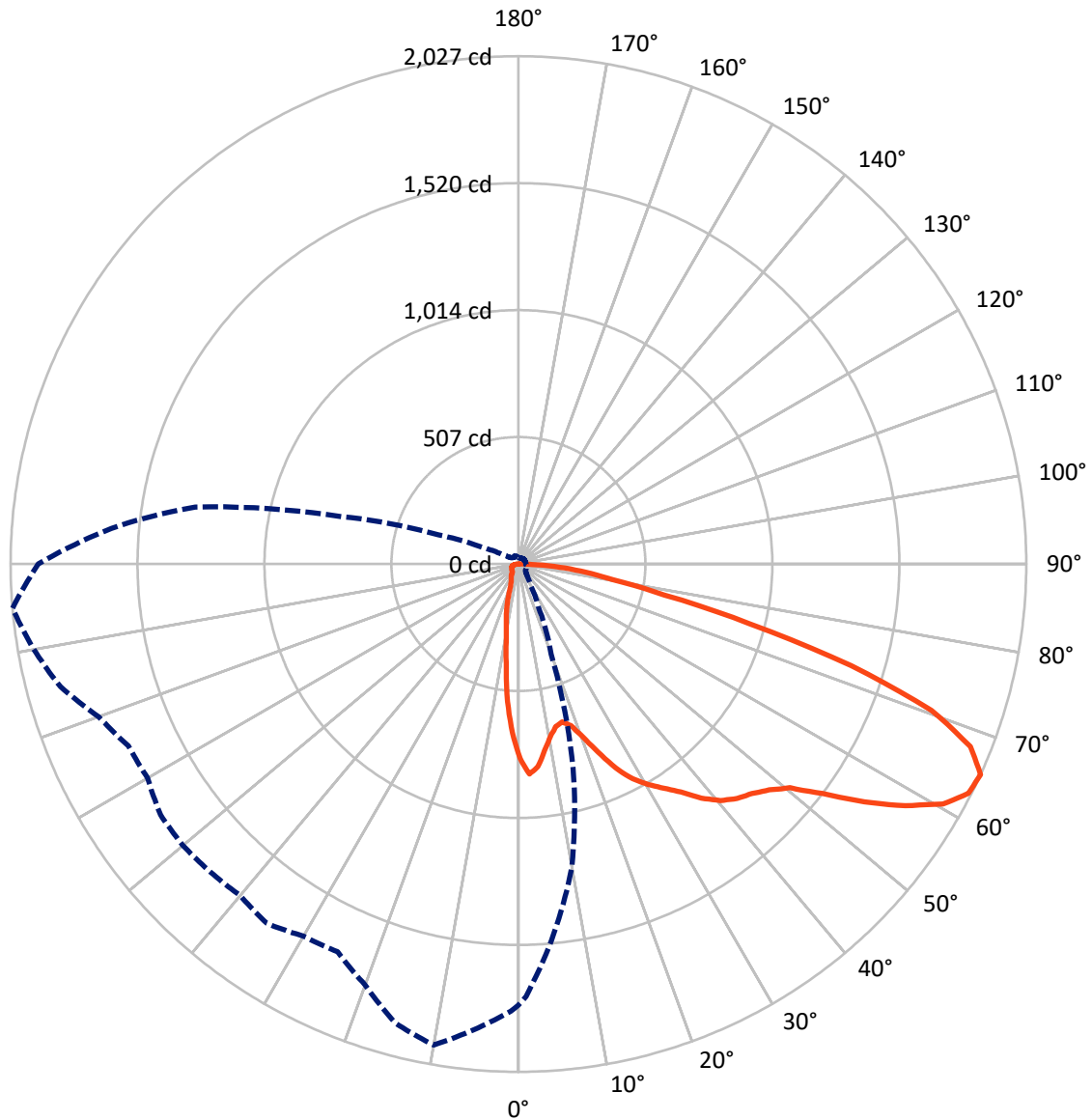
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 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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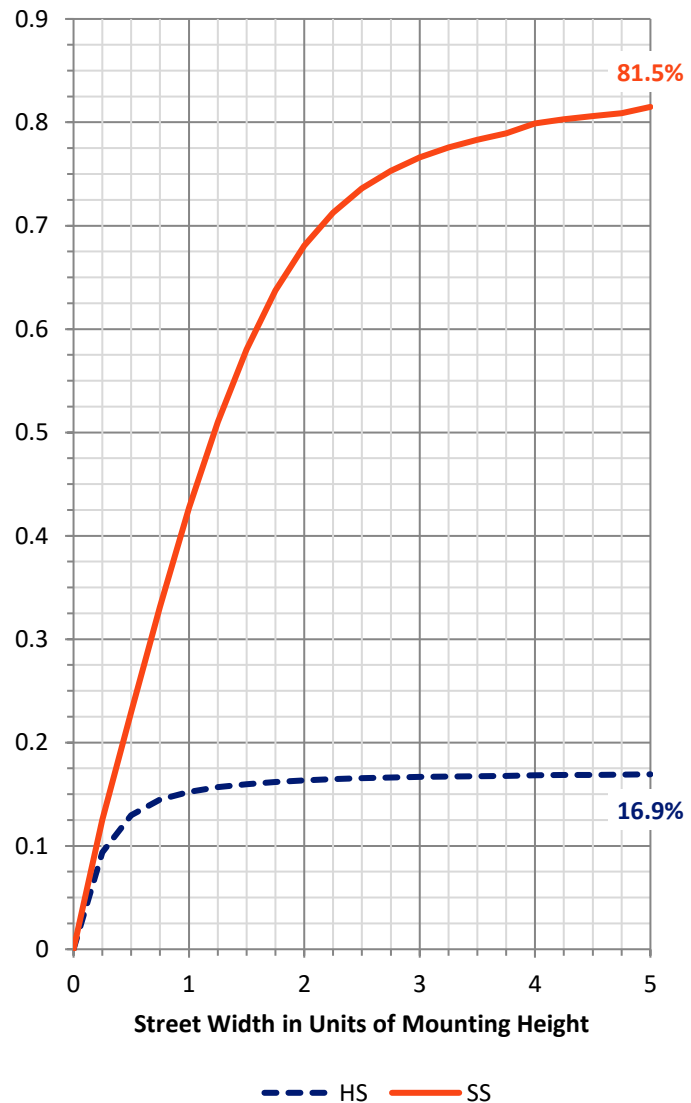
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 403.1    | 0.0    | 403.1  |
|                    | % Fixture | 17.2     | 0.0    | 17.2   |
| <b>Street Side</b> | Lumens    | 1947.0   | 0.1    | 1947.1 |
|                    | % Fixture | 82.8     | 0.0    | 82.8   |
| <b>Total</b>       | Lumens    | 2350.1   | 0.1    | 2350.2 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 57.5   | 2.4       |
| 10°-20°   | 110.7  | 4.7       |
| 20°-30°   | 157.8  | 6.7       |
| 30°-40°   | 229.0  | 9.7       |
| 40°-50°   | 327.5  | 13.9      |
| 50°-60°   | 502.9  | 21.4      |
| 60°-70°   | 582.1  | 24.8      |
| 70°-80°   | 296.9  | 12.6      |
| 80°-90°   | 85.7   | 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°    | 2350.1 | 100.0     |
| 0°-180°   | 2350.2 | 100.0     |



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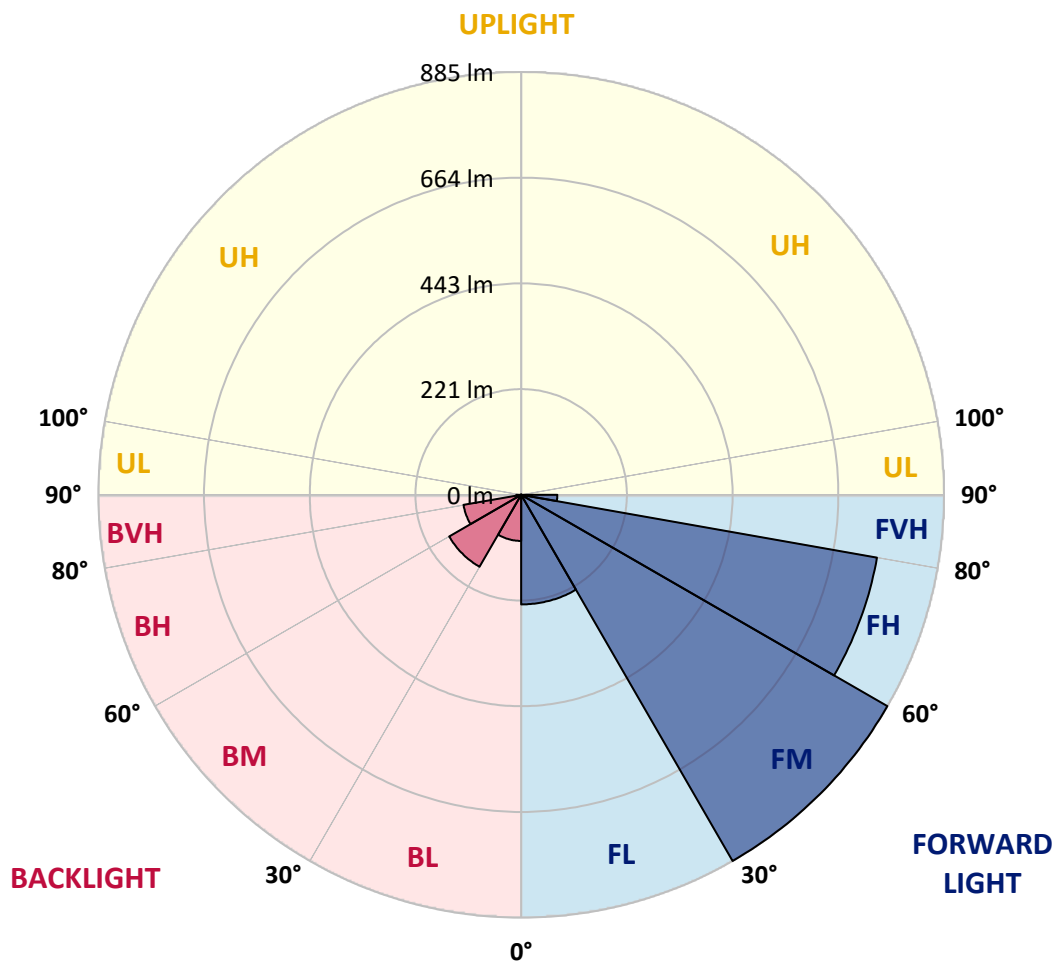
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |       |         |
|------|-------------|--------|-----------|-------------------------|-------|---------|
|      |             |        |           | B                       | U     | G       |
| FL   | (0°-30°)    | 229.5  | 9.8       |                         |       |         |
| FM   | (30°-60°)   | 885.3  | 37.7      |                         |       |         |
| FH   | (60°-80°)   | 756.4  | 32.2      |                         |       | G1/1800 |
| FVH  | (80°-90°)   | 75.7   | 3.2       |                         |       | G1/100  |
| BL   | (0°-30°)    | 96.5   | 4.1       | B0/110                  |       |         |
| BM   | (30°-60°)   | 174.1  | 7.4       | B0/220                  |       |         |
| BH   | (60°-80°)   | 122.6  | 5.2       | B1/500                  |       | G1/500  |
| BVH  | (80°-90°)   | 10.0   | 0.4       |                         |       | G0/10   |
| 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





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 1°     | 5°     | 10°    | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 776.5  | 776.5  | 776.5  | 776.5  | 776.5 | 776.5 | 776.5 | 776.5 | 776.5 | 776.5 | 776.5 |
| 2.5°   | 803.7  | 799.0  | 793.0  | 782.7  | 773.7 | 760.7 | 757.5 | 741.2 | 731.0 | 733.3 | 714.7 |
| 5°     | 754.7  | 751.9  | 737.3  | 714.3  | 699.3 | 669.7 | 652.6 | 643.9 | 619.4 | 616.2 | 609.5 |
| 7.5°   | 685.9  | 677.5  | 653.8  | 625.3  | 599.6 | 577.9 | 550.6 | 529.6 | 511.0 | 499.5 | 479.3 |
| 10°    | 626.8  | 618.2  | 592.5  | 557.7  | 526.9 | 496.4 | 474.2 | 447.0 | 420.5 | 399.8 | 383.7 |
| 12.5°  | 598.5  | 589.0  | 558.8  | 518.5  | 484.2 | 446.2 | 414.8 | 388.0 | 373.3 | 363.1 | 349.6 |
| 15°    | 609.5  | 595.7  | 559.6  | 511.5  | 468.6 | 428.3 | 395.2 | 366.3 | 348.8 | 333.0 | 317.2 |
| 17.5°  | 654.2  | 637.2  | 596.0  | 537.9  | 478.5 | 426.3 | 378.9 | 346.0 | 318.4 | 294.6 | 273.4 |
| 20°    | 731.0  | 718.3  | 658.5  | 577.1  | 500.0 | 427.5 | 365.1 | 322.0 | 288.4 | 258.4 | 229.8 |
| 22.5°  | 820.7  | 801.7  | 743.2  | 630.1  | 527.2 | 434.7 | 356.4 | 301.8 | 261.9 | 221.5 | 190.6 |
| 25°    | 914.8  | 900.2  | 822.7  | 701.3  | 569.2 | 449.3 | 349.6 | 284.0 | 230.5 | 185.9 | 151.8 |
| 27.5°  | 990.8  | 977.7  | 901.0  | 769.7  | 607.5 | 462.0 | 339.8 | 267.0 | 205.7 | 151.8 | 114.4 |
| 30°    | 1052.9 | 1041.9 | 961.5  | 825.8  | 654.2 | 466.3 | 325.9 | 247.2 | 178.0 | 122.6 | 94.5  |
| 32.5°  | 1122.5 | 1110.2 | 1019.7 | 865.0  | 675.2 | 462.4 | 310.1 | 228.6 | 155.9 | 108.3 | 81.0  |
| 35°    | 1198.9 | 1184.7 | 1084.5 | 907.4  | 692.5 | 448.5 | 296.6 | 215.1 | 145.2 | 98.5  | 72.0  |
| 37.5°  | 1266.9 | 1257.8 | 1143.1 | 949.3  | 712.4 | 425.5 | 283.5 | 200.5 | 138.0 | 91.4  | 64.9  |
| 40°    | 1319.9 | 1317.5 | 1208.0 | 984.0  | 727.8 | 409.0 | 272.9 | 189.0 | 129.0 | 88.7  | 62.5  |
| 42.5°  | 1362.5 | 1361.8 | 1261.0 | 1015.4 | 731.7 | 394.4 | 264.6 | 178.9 | 120.6 | 81.8  | 63.7  |
| 45°    | 1403.7 | 1403.3 | 1312.3 | 1058.8 | 734.5 | 395.2 | 258.4 | 172.5 | 113.5 | 77.5  | 60.2  |
| 47.5°  | 1442.9 | 1448.9 | 1366.1 | 1119.4 | 763.8 | 408.5 | 255.8 | 166.5 | 108.0 | 72.9  | 57.0  |
| 50°    | 1508.5 | 1502.7 | 1451.2 | 1201.2 | 810.8 | 434.7 | 252.0 | 161.3 | 102.9 | 68.5  | 53.8  |
| 52.5°  | 1633.2 | 1626.4 | 1580.6 | 1310.8 | 862.2 | 461.5 | 246.9 | 154.3 | 96.8  | 63.7  | 50.2  |
| 55°    | 1785.4 | 1794.5 | 1730.9 | 1444.0 | 932.4 | 484.2 | 241.3 | 144.8 | 89.0  | 58.1  | 47.9  |
| 57.5°  | 1874.9 | 1867.3 | 1794.5 | 1520.8 | 975.4 | 495.7 | 237.7 | 133.7 | 76.7  | 53.4  | 45.5  |
| 59°    | 1895.7 | 1883.2 | 1783.9 | 1533.9 | 986.9 | 490.0 | 235.7 | 123.0 | 70.3  | 51.0  | 44.3  |
| 60°    | 1893.8 | 1878.4 | 1766.9 | 1525.5 | 990.0 | 483.4 | 232.6 | 116.7 | 66.8  | 49.9  | 43.8  |
| 62.5°  | 1853.0 | 1828.9 | 1670.3 | 1425.1 | 945.7 | 449.7 | 219.5 | 101.7 | 62.2  | 48.3  | 41.5  |
| 65°    | 1760.5 | 1726.5 | 1508.2 | 1228.9 | 844.0 | 382.9 | 189.8 | 96.1  | 63.3  | 47.5  | 40.0  |
| 67.5°  | 1600.7 | 1573.4 | 1299.7 | 1016.9 | 672.8 | 309.3 | 164.1 | 93.7  | 64.9  | 48.3  | 37.5  |
| 70°    | 1302.1 | 1278.7 | 1014.2 | 761.4  | 503.9 | 246.0 | 149.1 | 92.5  | 63.7  | 46.4  | 35.7  |
| 72.5°  | 918.4  | 878.0  | 674.0  | 533.1  | 319.5 | 197.8 | 129.4 | 87.5  | 62.2  | 44.6  | 32.4  |
| 75°    | 558.8  | 566.4  | 428.3  | 388.3  | 201.7 | 135.6 | 101.7 | 73.6  | 55.0  | 40.0  | 29.3  |
| 77.5°  | 368.7  | 368.2  | 316.0  | 274.2  | 102.5 | 84.2  | 72.0  | 56.5  | 43.1  | 32.8  | 25.3  |
| 80°    | 250.0  | 252.7  | 229.3  | 187.0  | 57.0  | 50.7  | 47.1  | 41.1  | 31.6  | 25.0  | 21.0  |
| 82.5°  | 153.9  | 154.3  | 177.5  | 140.0  | 38.0  | 32.0  | 30.0  | 27.7  | 22.5  | 19.3  | 16.2  |
| 85°    | 53.4   | 54.5   | 62.2   | 98.8   | 25.7  | 21.0  | 21.0  | 19.3  | 17.0  | 13.0  | 10.7  |
| 87.5°  | 23.0   | 22.5   | 26.9   | 26.9   | 12.7  | 10.7  | 9.9   | 9.9   | 9.5   | 7.2   | 5.9   |
| 90°    | 1.5    | 1.2    | 1.2    | 1.5    | 2.0   | 2.8   | 2.3   | 2.8   | 2.8   | 2.3   | 1.5   |
| 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: IST-AF-450-LED-E1-SLR-7027

**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°     | 776.5 | 776.5 | 776.5 | 776.5 | 776.5 | 776.5 | 776.5 | 776.5 | 776.5 | 776.5 | 776.5 |
| 2.5°   | 709.2 | 704.8 | 692.5 | 689.4 | 693.3 | 685.5 | 683.5 | 681.5 | 666.8 | 674.4 | 665.6 |
| 5°     | 592.9 | 591.7 | 566.8 | 572.0 | 566.8 | 558.0 | 554.5 | 562.9 | 548.1 | 551.4 | 553.4 |
| 7.5°   | 455.6 | 450.9 | 434.3 | 423.2 | 416.5 | 410.5 | 403.1 | 390.9 | 400.3 | 398.3 | 413.3 |
| 10°    | 369.8 | 359.5 | 349.2 | 333.8 | 325.2 | 316.8 | 308.1 | 303.4 | 292.3 | 291.1 | 286.0 |
| 12.5°  | 339.0 | 324.4 | 311.4 | 297.9 | 288.7 | 272.2 | 258.4 | 249.5 | 242.5 | 231.4 | 223.0 |
| 15°    | 297.9 | 285.6 | 268.5 | 255.5 | 241.3 | 226.2 | 212.8 | 201.7 | 196.5 | 186.3 | 181.5 |
| 17.5°  | 256.3 | 237.7 | 217.1 | 204.1 | 184.3 | 168.9 | 157.8 | 150.6 | 143.2 | 136.8 | 131.3 |
| 20°    | 206.5 | 182.4 | 160.2 | 143.5 | 128.2 | 113.2 | 108.0 | 99.4  | 96.1  | 93.7  | 95.7  |
| 22.5°  | 157.0 | 132.1 | 109.1 | 96.5  | 88.2  | 84.2  | 79.9  | 78.3  | 77.2  | 76.7  | 77.5  |
| 25°    | 115.2 | 94.1  | 83.0  | 78.3  | 75.2  | 72.9  | 71.1  | 70.0  | 69.2  | 68.8  | 69.2  |
| 27.5°  | 89.0  | 78.0  | 72.3  | 69.2  | 66.8  | 65.3  | 64.5  | 63.3  | 62.9  | 62.5  | 62.9  |
| 30°    | 77.2  | 71.1  | 67.2  | 64.0  | 61.4  | 58.5  | 57.3  | 57.0  | 57.3  | 57.7  | 57.3  |
| 32.5°  | 67.2  | 62.9  | 58.5  | 55.8  | 53.8  | 52.2  | 52.2  | 51.5  | 51.5  | 52.6  | 53.0  |
| 35°    | 60.9  | 56.5  | 53.4  | 49.9  | 47.5  | 45.8  | 44.6  | 43.8  | 44.3  | 44.3  | 45.5  |
| 37.5°  | 55.8  | 52.6  | 49.9  | 46.7  | 44.3  | 42.7  | 42.0  | 41.1  | 40.7  | 40.3  | 40.3  |
| 40°    | 52.2  | 50.2  | 47.9  | 44.6  | 42.3  | 40.7  | 40.0  | 39.2  | 38.8  | 38.4  | 38.4  |
| 42.5°  | 52.2  | 48.3  | 46.7  | 43.8  | 41.1  | 39.5  | 38.4  | 37.5  | 36.8  | 36.8  | 36.8  |
| 45°    | 57.3  | 49.5  | 46.7  | 43.5  | 40.7  | 38.8  | 37.5  | 36.4  | 35.7  | 35.7  | 35.2  |
| 47.5°  | 55.8  | 55.3  | 47.5  | 43.5  | 41.1  | 38.8  | 37.2  | 36.0  | 35.2  | 34.9  | 34.5  |
| 50°    | 53.0  | 57.7  | 53.0  | 44.6  | 41.1  | 38.4  | 36.8  | 35.7  | 34.5  | 34.0  | 34.0  |
| 52.5°  | 51.5  | 53.8  | 55.0  | 46.4  | 41.5  | 38.4  | 36.4  | 35.2  | 34.5  | 33.7  | 33.2  |
| 55°    | 47.5  | 50.7  | 52.6  | 45.5  | 41.5  | 37.5  | 35.7  | 34.5  | 33.2  | 32.8  | 32.4  |
| 57.5°  | 43.5  | 45.8  | 50.7  | 45.5  | 40.3  | 37.2  | 34.9  | 33.2  | 32.4  | 32.0  | 31.6  |
| 59°    | 42.3  | 42.3  | 45.1  | 46.7  | 39.5  | 36.8  | 34.5  | 32.8  | 32.0  | 31.6  | 30.8  |
| 60°    | 41.1  | 41.1  | 42.7  | 47.9  | 39.2  | 36.4  | 34.0  | 32.4  | 31.2  | 31.2  | 30.8  |
| 62.5°  | 39.5  | 38.4  | 39.2  | 44.6  | 38.0  | 35.7  | 33.2  | 31.6  | 30.5  | 30.5  | 30.0  |
| 65°    | 37.5  | 36.0  | 36.0  | 37.2  | 35.7  | 34.0  | 32.4  | 30.8  | 29.3  | 29.3  | 29.6  |
| 67.5°  | 35.7  | 34.0  | 33.7  | 33.7  | 32.8  | 32.4  | 30.8  | 29.3  | 28.5  | 28.5  | 28.5  |
| 70°    | 32.8  | 31.6  | 31.2  | 30.5  | 30.5  | 30.0  | 28.8  | 27.7  | 26.9  | 27.3  | 26.9  |
| 72.5°  | 29.6  | 28.8  | 28.0  | 28.0  | 27.7  | 27.3  | 26.1  | 25.3  | 25.0  | 25.3  | 25.3  |
| 75°    | 26.5  | 25.3  | 25.3  | 24.5  | 24.5  | 24.2  | 23.0  | 22.5  | 22.2  | 22.5  | 23.0  |
| 77.5°  | 22.5  | 21.8  | 21.4  | 21.4  | 21.4  | 21.4  | 19.8  | 19.3  | 19.3  | 20.2  | 20.2  |
| 80°    | 18.5  | 18.1  | 17.8  | 17.8  | 17.8  | 17.3  | 16.6  | 16.2  | 16.2  | 16.6  | 17.0  |
| 82.5°  | 14.2  | 13.5  | 13.5  | 13.8  | 14.2  | 14.2  | 13.0  | 12.3  | 12.3  | 13.0  | 13.8  |
| 85°    | 9.5   | 9.5   | 9.5   | 9.9   | 9.9   | 10.3  | 9.5   | 8.4   | 8.7   | 9.2   | 10.3  |
| 87.5°  | 5.1   | 5.5   | 5.1   | 4.7   | 5.5   | 5.1   | 5.1   | 4.7   | 5.1   | 5.5   | 5.9   |
| 90°    | 1.5   | 1.5   | 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: P271636

CATALOG NUMBER: IST-AF-450-LED-E1-SLR-7027

**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: P271636

CATALOG NUMBER: IST-AF-450-LED-E1-SLR-7027

**CANDELA DISTRIBUTION (continued):**

|        | 105°  | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 776.5 | 776.5 | 776.5 | 776.5 | 776.5 | 776.5 | 776.5 | 776.5 | 776.5 | 776.5 | 776.5 |
| 2.5°   | 673.5 | 666.8 | 663.3 | 677.1 | 676.0 | 664.0 | 664.0 | 672.4 | 672.8 | 665.6 | 674.0 |
| 5°     | 555.7 | 549.0 | 555.3 | 549.9 | 553.0 | 552.5 | 557.3 | 548.7 | 552.2 | 549.0 | 541.5 |
| 7.5°   | 412.1 | 425.5 | 432.7 | 423.6 | 435.0 | 441.0 | 432.7 | 441.0 | 428.0 | 417.4 | 427.5 |
| 10°    | 283.5 | 298.7 | 295.8 | 310.5 | 316.0 | 319.2 | 325.2 | 317.6 | 308.5 | 305.7 | 298.2 |
| 12.5°  | 219.9 | 216.7 | 215.5 | 221.5 | 225.0 | 219.9 | 224.3 | 219.5 | 214.8 | 206.5 | 206.1 |
| 15°    | 172.0 | 166.9 | 163.3 | 156.7 | 154.3 | 155.5 | 157.5 | 157.5 | 148.0 | 148.3 | 151.8 |
| 17.5°  | 130.5 | 129.4 | 126.6 | 121.0 | 117.5 | 118.7 | 118.3 | 116.3 | 115.2 | 115.9 | 120.2 |
| 20°    | 98.1  | 96.8  | 98.5  | 100.1 | 98.8  | 99.4  | 97.6  | 95.7  | 95.0  | 95.7  | 96.5  |
| 22.5°  | 77.5  | 79.1  | 81.0  | 83.5  | 83.8  | 85.8  | 85.4  | 85.8  | 84.2  | 83.5  | 81.5  |
| 25°    | 70.8  | 71.5  | 70.3  | 70.8  | 70.8  | 72.9  | 72.3  | 72.3  | 70.8  | 70.3  | 70.8  |
| 27.5°  | 62.5  | 62.2  | 62.2  | 62.9  | 62.9  | 64.0  | 64.9  | 64.0  | 62.5  | 62.2  | 62.5  |
| 30°    | 57.7  | 57.3  | 57.0  | 57.3  | 57.0  | 57.3  | 58.1  | 58.1  | 57.3  | 56.1  | 56.5  |
| 32.5°  | 53.0  | 53.0  | 52.6  | 53.0  | 52.6  | 52.6  | 53.4  | 52.2  | 52.2  | 51.8  | 51.8  |
| 35°    | 46.7  | 47.5  | 48.3  | 48.7  | 48.7  | 48.7  | 49.5  | 48.3  | 47.9  | 47.5  | 47.5  |
| 37.5°  | 40.3  | 41.1  | 43.5  | 44.6  | 45.1  | 45.8  | 46.4  | 45.5  | 44.6  | 43.8  | 43.1  |
| 40°    | 38.4  | 38.4  | 39.2  | 40.7  | 42.3  | 42.7  | 43.5  | 42.3  | 42.0  | 40.7  | 39.5  |
| 42.5°  | 36.8  | 37.2  | 37.2  | 37.5  | 38.0  | 38.8  | 40.0  | 38.8  | 38.0  | 37.2  | 36.0  |
| 45°    | 35.7  | 35.7  | 35.7  | 35.7  | 35.2  | 35.2  | 35.7  | 34.9  | 34.5  | 34.0  | 34.0  |
| 47.5°  | 34.9  | 34.5  | 34.0  | 33.7  | 33.2  | 32.8  | 32.8  | 32.0  | 32.0  | 32.0  | 32.0  |
| 50°    | 34.0  | 33.2  | 32.8  | 32.4  | 31.6  | 31.6  | 31.6  | 30.8  | 30.5  | 30.5  | 30.8  |
| 52.5°  | 32.8  | 32.4  | 32.0  | 31.6  | 31.2  | 30.8  | 30.8  | 30.0  | 29.6  | 29.6  | 29.6  |
| 55°    | 32.4  | 32.0  | 31.2  | 30.8  | 30.5  | 30.8  | 30.5  | 30.0  | 29.3  | 29.3  | 29.3  |
| 57.5°  | 31.2  | 31.6  | 31.2  | 30.5  | 30.5  | 30.5  | 30.5  | 29.6  | 29.3  | 28.5  | 28.8  |
| 59°    | 30.8  | 31.2  | 30.8  | 30.5  | 30.0  | 30.5  | 30.5  | 29.3  | 28.8  | 28.5  | 28.5  |
| 60°    | 30.5  | 30.8  | 30.5  | 30.0  | 30.0  | 30.5  | 30.0  | 29.6  | 28.8  | 27.7  | 28.0  |
| 62.5°  | 30.0  | 30.0  | 29.6  | 29.6  | 29.3  | 29.6  | 29.3  | 28.5  | 27.7  | 26.9  | 26.5  |
| 65°    | 29.3  | 29.3  | 28.8  | 28.8  | 28.5  | 28.5  | 28.5  | 27.7  | 26.9  | 26.1  | 26.1  |
| 67.5°  | 28.8  | 28.5  | 28.0  | 28.0  | 27.7  | 27.7  | 27.7  | 26.9  | 25.7  | 25.3  | 25.0  |
| 70°    | 27.3  | 26.9  | 26.9  | 26.5  | 26.1  | 26.5  | 26.9  | 25.7  | 24.5  | 23.7  | 23.4  |
| 72.5°  | 25.7  | 25.3  | 25.3  | 25.0  | 25.0  | 25.3  | 25.7  | 24.5  | 23.0  | 22.2  | 21.8  |
| 75°    | 23.4  | 23.0  | 23.0  | 23.0  | 23.0  | 23.7  | 23.7  | 22.5  | 21.4  | 20.2  | 19.3  |
| 77.5°  | 20.2  | 20.6  | 20.6  | 20.6  | 20.6  | 21.4  | 21.4  | 20.6  | 19.3  | 18.5  | 17.3  |
| 80°    | 17.3  | 17.3  | 17.8  | 17.8  | 18.1  | 18.1  | 17.8  | 17.3  | 17.0  | 16.2  | 14.6  |
| 82.5°  | 14.6  | 14.6  | 14.6  | 14.6  | 14.6  | 14.2  | 13.5  | 14.2  | 14.2  | 13.5  | 12.3  |
| 85°    | 11.5  | 11.5  | 11.5  | 11.9  | 11.9  | 10.7  | 9.5   | 9.5   | 10.7  | 10.3  | 9.5   |
| 87.5°  | 6.7   | 6.7   | 7.2   | 8.4   | 7.5   | 7.2   | 5.9   | 6.3   | 5.9   | 6.7   | 5.5   |
| 90°    | 1.5   | 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: P271636  
 CATALOG NUMBER: IST-AF-450-LED-E1-SLR-7027

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° |



271636  
 IST-AF-450-LED-E1-SLR-7027

REPORT NUMBER: P271636  
 CATALOG NUMBER: IST-AF-450

**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°     | 776.5 | 776.5 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 2.5°   | 726.5 | 730.1 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 5°     | 587.0 | 600.8 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 7.5°   | 443.9 | 462.4 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 10°    | 355.5 | 368.2 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 12.5°  | 312.1 | 330.3 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 15°    | 267.8 | 287.5 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 17.5°  | 219.5 | 243.6 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 20°    | 167.7 | 191.4 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 22.5°  | 117.9 | 138.0 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 25°    | 85.8  | 95.0  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 27.5°  | 76.4  | 79.9  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 30°    | 71.5  | 74.0  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 32.5°  | 64.5  | 66.8  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 35°    | 56.5  | 59.7  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 37.5°  | 52.6  | 55.0  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 40°    | 50.2  | 50.7  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 42.5°  | 48.3  | 48.3  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 45°    | 47.1  | 48.3  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 47.5°  | 47.9  | 53.0  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 50°    | 53.8  | 52.2  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 52.5°  | 55.0  | 49.0  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 55°    | 50.2  | 47.1  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 57.5°  | 45.1  | 41.1  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 59°    | 40.3  | 38.0  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 60°    | 37.5  | 36.8  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 62.5°  | 34.5  | 35.2  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 65°    | 32.0  | 33.7  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 67.5°  | 30.8  | 32.0  |
|      |      |      |      |      |      |      |      |      |      | 70°    | 28.8  | 29.6  |
|      |      |      |      |      |      |      |      |      |      | 72.5°  | 26.9  | 27.3  |
|      |      |      |      |      |      |      |      |      |      | 75°    | 24.2  | 24.5  |
|      |      |      |      |      |      |      |      |      |      | 77.5°  | 21.4  | 21.4  |
|      |      |      |      |      |      |      |      |      |      | 80°    | 17.3  | 17.3  |
|      |      |      |      |      |      |      |      |      |      | 82.5°  | 13.5  | 13.0  |
|      |      |      |      |      |      |      |      |      |      | 85°    | 8.7   | 8.4   |
|      |      |      |      |      |      |      |      |      |      | 87.5°  | 4.0   | 3.1   |
|      |      |      |      |      |      |      |      |      |      | 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: P271636

CATALOG NUMBER: IST-AF-450-LED-E1-SLR-7027

SLR-7027

**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°     | 776.5  | 776.5  | 776.5  | 776.5  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 2.5°   | 831.0  | 839.4  | 846.5  | 852.0  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 5°     | 793.5  | 812.9  | 836.1  | 855.9  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 7.5°   | 726.5  | 751.2  | 789.1  | 812.3  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 10°    | 663.3  | 699.3  | 740.8  | 774.5  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 12.5°  | 620.2  | 664.8  | 704.5  | 742.0  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 15°    | 608.3  | 653.8  | 689.4  | 723.9  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 17.5°  | 632.0  | 677.5  | 708.0  | 729.0  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 20°    | 687.8  | 736.5  | 755.8  | 754.3  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 22.5°  | 764.2  | 815.2  | 815.2  | 799.3  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 25°    | 865.0  | 901.8  | 881.7  | 851.5  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 27.5°  | 936.7  | 971.0  | 935.9  | 886.4  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 30°    | 996.0  | 1021.2 | 976.5  | 916.8  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 32.5°  | 1048.1 | 1066.7 | 1007.8 | 948.9  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 35°    | 1110.7 | 1117.4 | 1040.2 | 977.4  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 37.5°  | 1179.8 | 1185.4 | 1086.9 | 1008.5 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 40°    | 1261.3 | 1241.5 | 1121.4 | 1037.5 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 42.5°  | 1311.5 | 1279.2 | 1146.2 | 1052.5 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 45°    | 1351.1 | 1306.9 | 1157.7 | 1061.2 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 47.5°  | 1399.8 | 1347.5 | 1177.9 | 1077.1 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 50°    | 1463.9 | 1404.1 | 1228.9 | 1121.7 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 52.5°  | 1595.2 | 1521.2 | 1320.7 | 1199.7 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 55°    | 1746.2 | 1676.2 | 1467.4 | 1328.2 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 57.5°  | 1867.3 | 1820.2 | 1598.4 | 1444.5 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 59°    | 1912.0 | 1891.8 | 1690.9 | 1543.0 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 60°    | 1928.6 | 1946.0 | 1739.9 | 1603.0 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 62.5°  | 1940.1 | 2015.7 | 1899.4 | 1782.7 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 65°    | 1916.4 | 2027.0 | 1963.9 | 1892.2 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 67.5°  | 1813.0 | 1945.5 | 1933.3 | 1870.5 |
|      |      |      |      |      |      |      |      | 70°    | 1601.9 | 1749.4 | 1792.2 | 1702.7 |
|      |      |      |      |      |      |      |      | 72.5°  | 1205.2 | 1388.3 | 1621.4 | 1481.2 |
|      |      |      |      |      |      |      |      | 75°    | 785.1  | 954.4  | 1384.4 | 1268.9 |
|      |      |      |      |      |      |      |      | 77.5°  | 491.6  | 595.7  | 987.7  | 888.7  |
|      |      |      |      |      |      |      |      | 80°    | 327.2  | 382.9  | 626.8  | 570.7  |
|      |      |      |      |      |      |      |      | 82.5°  | 246.0  | 271.4  | 431.2  | 405.5  |
|      |      |      |      |      |      |      |      | 85°    | 129.7  | 165.4  | 335.3  | 425.2  |
|      |      |      |      |      |      |      |      | 87.5°  | 48.7   | 54.2   | 252.3  | 380.2  |
|      |      |      |      |      |      |      |      | 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: P271636

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**CANDELA DISTRIBUTION (continued):**

| 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   |        | 270° | 275° | 280° | 285° | 290° |
|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|------|
| 776.5  | 776.5  | 776.5  | 776.5  | 776.5  | 776.5  | 776.5  | 110°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 856.7  | 863.8  | 868.2  | 865.0  | 870.2  | 871.4  | 865.9  | 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 872.5  | 892.4  | 906.6  | 916.5  | 920.4  | 924.0  | 922.4  | 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 843.3  | 873.7  | 900.2  | 918.4  | 924.7  | 929.5  | 925.2  | 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 810.8  | 842.5  | 867.4  | 885.5  | 885.2  | 890.0  | 881.7  | 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 780.4  | 811.2  | 833.4  | 832.5  | 827.1  | 813.2  | 810.8  | 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 756.2  | 772.5  | 778.0  | 776.9  | 761.0  | 753.0  | 751.9  | 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 744.3  | 743.5  | 731.0  | 717.0  | 702.0  | 701.3  | 691.0  | 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 746.3  | 720.7  | 697.4  | 673.5  | 657.4  | 653.8  | 655.0  | 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 771.3  | 725.8  | 681.9  | 657.8  | 638.8  | 633.2  | 635.6  | 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 802.5  | 741.6  | 687.0  | 650.2  | 634.8  | 628.2  | 629.4  | 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 823.5  | 759.8  | 704.0  | 658.5  | 637.5  | 631.3  | 635.2  | 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 850.3  | 784.7  | 727.0  | 679.8  | 648.7  | 640.3  | 643.2  | 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 876.8  | 811.6  | 759.3  | 706.0  | 668.1  | 652.6  | 657.0  | 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 905.4  | 842.9  | 790.3  | 741.6  | 696.9  | 672.8  | 678.3  | 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 938.5  | 879.4  | 834.2  | 789.5  | 743.5  | 723.5  | 725.8  | 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 970.6  | 914.8  | 886.0  | 852.9  | 825.8  | 795.0  | 795.0  | 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 989.7  | 961.2  | 953.2  | 943.7  | 927.9  | 905.9  | 901.0  | 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1013.0 | 1016.2 | 1034.3 | 1053.4 | 1058.0 | 1036.3 | 1029.5 | 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1056.9 | 1090.0 | 1149.8 | 1201.7 | 1211.9 | 1229.7 | 1209.2 | 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1118.6 | 1179.8 | 1280.7 | 1365.3 | 1389.5 | 1391.0 | 1392.6 | 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1189.0 | 1276.9 | 1410.1 | 1510.9 | 1554.1 | 1565.5 | 1557.2 | 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1309.5 | 1389.0 | 1535.0 | 1643.8 | 1699.2 | 1726.1 | 1719.0 | 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1429.0 | 1527.9 | 1656.5 | 1763.6 | 1822.6 | 1852.7 | 1859.0 | 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1510.5 | 1603.0 | 1721.7 | 1820.7 | 1878.7 | 1914.7 | 1917.9 | 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1560.4 | 1645.0 | 1760.9 | 1847.9 | 1906.0 | 1936.6 | 1947.5 | 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1711.5 | 1726.9 | 1806.0 | 1863.4 | 1904.0 | 1917.9 | 1926.2 | 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1782.2 | 1717.8 | 1708.7 | 1744.3 | 1747.8 | 1738.8 | 1727.4 | 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1683.7 | 1533.0 | 1477.4 | 1472.5 | 1457.9 | 1452.0 | 1415.5 | 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1462.4 | 1245.1 | 1146.7 | 1093.2 | 1125.7 | 1124.5 | 1087.3 |        |      |      |      |      |      |
| 1232.0 | 1011.0 | 883.2  | 806.5  | 797.0  | 795.4  | 763.0  |        |      |      |      |      |      |
| 1000.7 | 793.5  | 681.5  | 644.4  | 599.6  | 586.1  | 591.7  |        |      |      |      |      |      |
| 721.5  | 566.4  | 542.7  | 571.1  | 574.6  | 564.5  | 557.3  |        |      |      |      |      |      |
| 454.5  | 426.0  | 449.0  | 500.7  | 531.2  | 517.7  | 522.9  |        |      |      |      |      |      |
| 378.9  | 335.3  | 337.0  | 391.6  | 412.1  | 415.3  | 404.7  |        |      |      |      |      |      |
| 420.5  | 335.8  | 275.3  | 268.5  | 261.5  | 164.5  | 229.0  |        |      |      |      |      |      |
| 378.9  | 259.9  | 153.1  | 126.2  | 77.5   | 44.6   | 46.4   |        |      |      |      |      |      |
| 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    |        |      |      |      |      |      |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |        |      |      |      |      |      |



REPORT NUMBER: P271636

CATALOG NUMBER: IST-AF-450-LED-E1-SLR-7027

**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°     | 776.5  | 776.5  | 776.5  | 776.5  | 776.5  | 776.5  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 2.5°   | 864.6  | 857.2  | 848.8  | 837.7  | 839.7  | 826.4  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 5°     | 910.2  | 897.0  | 879.4  | 856.7  | 835.7  | 808.8  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 7.5°   | 905.4  | 884.4  | 854.7  | 820.7  | 793.0  | 754.3  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 10°    | 864.6  | 837.3  | 813.2  | 778.0  | 742.0  | 708.0  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 12.5°  | 807.7  | 792.2  | 771.3  | 744.8  | 710.0  | 675.2  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 15°    | 745.5  | 746.9  | 734.2  | 727.0  | 709.6  | 681.9  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 17.5°  | 694.6  | 706.3  | 713.2  | 724.2  | 726.2  | 712.7  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 20°    | 660.5  | 677.1  | 698.2  | 728.5  | 760.7  | 774.5  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 22.5°  | 641.6  | 662.1  | 695.7  | 751.2  | 809.6  | 844.9  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 25°    | 638.0  | 665.3  | 712.4  | 780.0  | 855.9  | 905.4  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 27.5°  | 643.9  | 679.5  | 735.4  | 812.3  | 887.2  | 958.9  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 30°    | 662.9  | 704.5  | 765.4  | 848.4  | 926.0  | 997.1  |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 32.5°  | 681.2  | 732.5  | 799.9  | 880.9  | 958.9  | 1029.5 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 35°    | 710.4  | 762.2  | 831.0  | 905.9  | 981.3  | 1061.5 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 37.5°  | 755.0  | 800.6  | 855.5  | 925.2  | 1003.9 | 1086.9 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 40°    | 818.7  | 848.8  | 884.4  | 939.4  | 1014.9 | 1103.9 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 42.5°  | 914.0  | 920.4  | 932.7  | 961.2  | 1024.9 | 1123.7 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 45°    | 1037.0 | 1018.0 | 1007.4 | 1003.5 | 1047.0 | 1136.4 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 47.5°  | 1179.8 | 1142.6 | 1100.0 | 1079.4 | 1089.6 | 1156.6 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 50°    | 1365.7 | 1305.2 | 1221.3 | 1162.0 | 1156.9 | 1215.9 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 52.5°  | 1536.2 | 1457.1 | 1351.5 | 1281.5 | 1253.0 | 1326.5 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 55°    | 1697.2 | 1636.4 | 1516.9 | 1429.8 | 1420.0 | 1473.3 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 57.5°  | 1838.4 | 1785.8 | 1688.2 | 1574.5 | 1578.5 | 1630.3 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 59°    | 1911.6 | 1867.7 | 1777.0 | 1661.7 | 1670.3 | 1741.5 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 60°    | 1937.7 | 1900.9 | 1814.7 | 1717.4 | 1728.5 | 1802.4 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 62.5°  | 1935.7 | 1912.0 | 1849.5 | 1803.5 | 1860.2 | 1914.4 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 65°    | 1751.1 | 1715.0 | 1707.9 | 1788.2 | 1897.4 | 1949.6 |
| 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 67.5°  | 1392.6 | 1409.7 | 1477.4 | 1615.3 | 1798.5 | 1874.4 |
|      |      |      |      |      |      | 70°    | 1034.3 | 1064.4 | 1154.5 | 1327.8 | 1579.4 | 1710.6 |
|      |      |      |      |      |      | 72.5°  | 760.7  | 790.7  | 873.7  | 1063.5 | 1299.3 | 1415.5 |
|      |      |      |      |      |      | 75°    | 596.8  | 606.0  | 665.6  | 814.9  | 1024.0 | 1119.4 |
|      |      |      |      |      |      | 77.5°  | 551.4  | 524.1  | 499.5  | 579.5  | 690.5  | 772.5  |
|      |      |      |      |      |      | 80°    | 513.4  | 461.5  | 403.9  | 428.0  | 454.8  | 541.9  |
|      |      |      |      |      |      | 82.5°  | 398.7  | 364.4  | 319.2  | 350.0  | 362.6  | 365.5  |
|      |      |      |      |      |      | 85°    | 233.4  | 207.7  | 263.0  | 372.5  | 368.7  | 322.7  |
|      |      |      |      |      |      | 87.5°  | 82.3   | 106.8  | 120.2  | 206.5  | 249.5  | 216.0  |
|      |      |      |      |      |      | 90°    | 0.0    | 1.2    | 3.5    | 4.0    | 5.9    | 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    |



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**CANDELA DISTRIBUTION (continued):**

| 355°   | 359°   | 360°   |        | 325° | 330° | 335° | 340° | 345° | 350° | 355° |
|--------|--------|--------|--------|------|------|------|------|------|------|------|
| 776.5  | 776.5  | 776.5  | 110°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 815.6  | 804.5  | 803.7  | 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 787.5  | 762.6  | 754.7  | 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 720.7  | 691.8  | 685.9  | 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 664.5  | 632.5  | 626.8  | 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 635.6  | 605.2  | 598.5  | 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 646.7  | 613.0  | 609.5  | 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 688.2  | 652.6  | 654.2  | 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 759.3  | 736.5  | 731.0  | 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 852.9  | 827.9  | 820.7  | 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 932.4  | 919.7  | 914.8  | 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 989.7  | 995.5  | 990.8  | 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1035.5 | 1055.3 | 1052.9 | 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1082.5 | 1120.9 | 1122.5 | 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1117.4 | 1185.0 | 1198.9 | 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1162.0 | 1252.7 | 1266.9 | 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1196.1 | 1302.5 | 1319.9 | 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1229.3 | 1343.7 | 1362.5 | 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1256.5 | 1384.4 | 1403.7 | 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1287.5 | 1423.9 | 1442.9 | 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1342.9 | 1486.0 | 1508.5 | 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1461.9 | 1601.0 | 1633.2 | 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1633.9 | 1760.0 | 1785.4 | 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1789.0 | 1868.0 | 1874.9 | 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1852.7 | 1897.8 | 1895.7 | 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1899.4 | 1904.9 | 1893.8 | 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1924.7 | 1872.1 | 1853.0 | 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1858.6 | 1785.4 | 1760.5 | 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1668.0 | 1629.2 | 1600.7 | 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 1418.7 | 1320.7 | 1302.1 |        |      |      |      |      |      |      |      |
| 1075.5 | 946.2  | 918.4  |        |      |      |      |      |      |      |      |
| 751.5  | 596.5  | 558.8  |        |      |      |      |      |      |      |      |
| 494.0  | 382.9  | 368.7  |        |      |      |      |      |      |      |      |
| 320.3  | 254.3  | 250.0  |        |      |      |      |      |      |      |      |
| 223.5  | 166.9  | 153.9  |        |      |      |      |      |      |      |      |
| 137.2  | 55.8   | 53.4   |        |      |      |      |      |      |      |      |
| 42.7   | 25.7   | 23.0   |        |      |      |      |      |      |      |      |
| 1.2    | 1.5    | 1.5    |        |      |      |      |      |      |      |      |
| 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    |        |      |      |      |      |      |      |      |

