

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: P271597

Luminaire Tested: **ISS-AF-800-LED-E1-T2-7027-ULG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P271597  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29758)-DOWNLIGHT AND  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: ISS-AF-800-LED-E1-T2-7027-ULG  
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE WITH UPLIGHT  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II, WITH UPLIGHT GLOW  
Light Source: (16) 2700K CCT, 70 CRI LEDs and (1) UPLIGHT LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

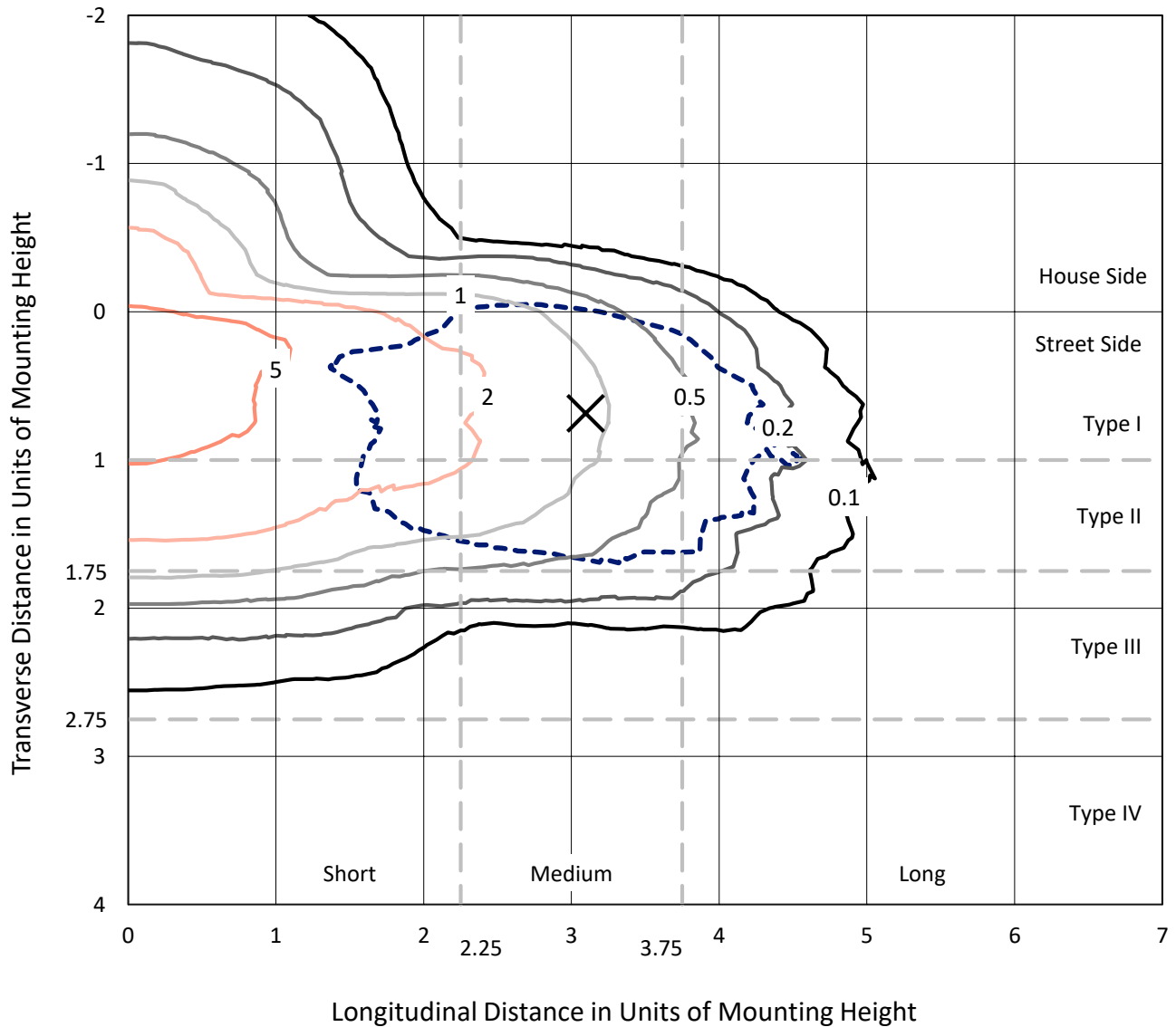
Lumens per Lamp: N/A  
Luminaire Lumens: 5562.2 lumens  
Efficiency: N/A  
Efficacy: 92.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')  
IES Classification: Type II - Medium - Non-Cutoff  
BUG Rating: B1 - U5 - G1  
  
Input Watts (W): 60.2  
Input Voltage (V): 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

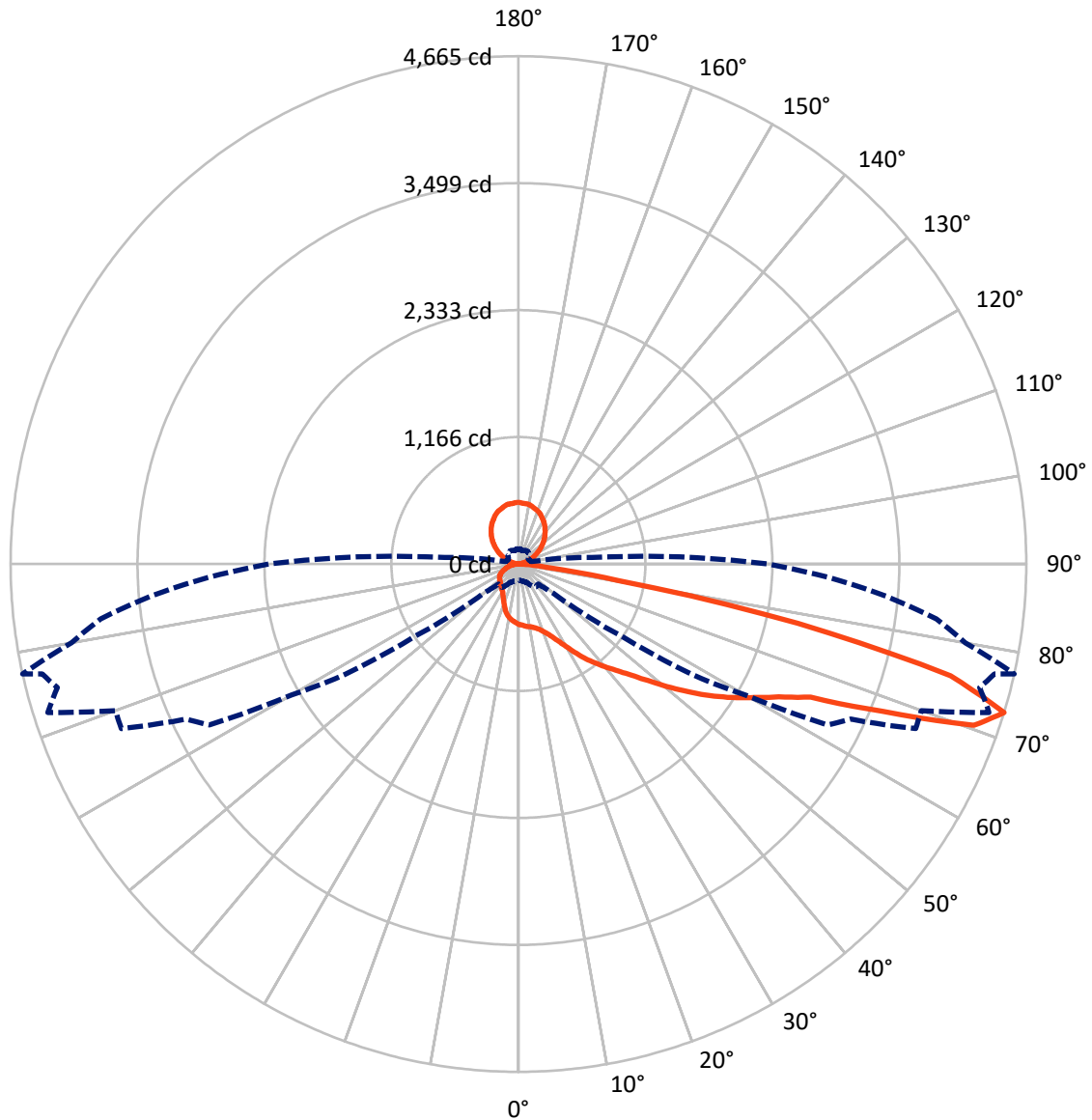
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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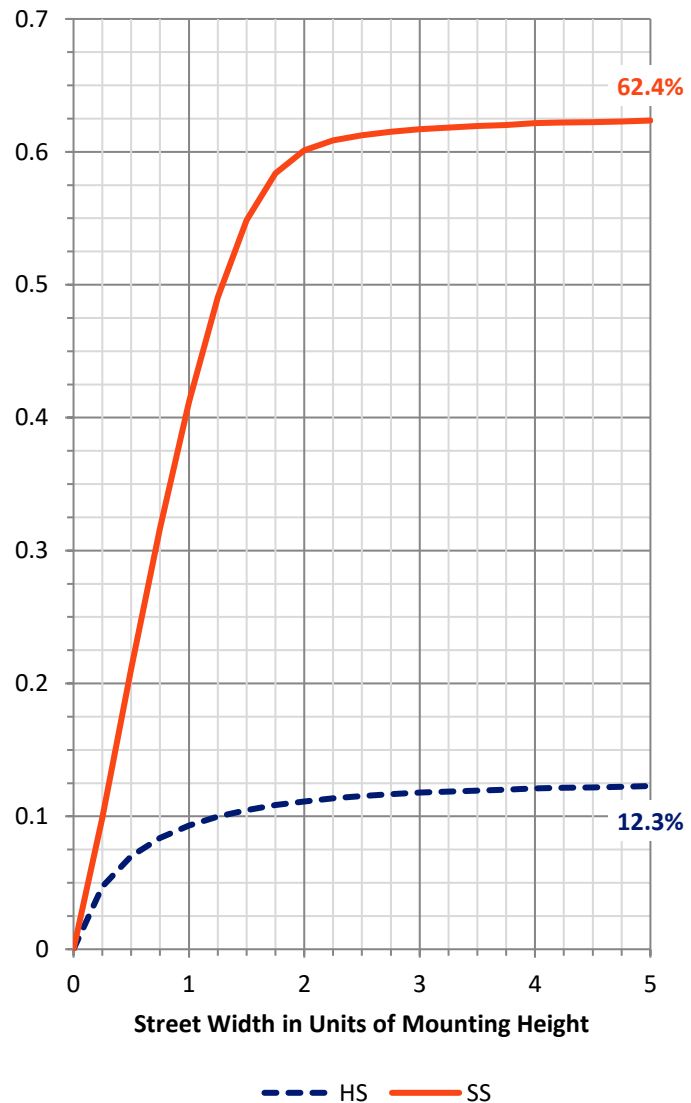
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 689.7    | 699.9  | 1389.6 |
|                    | % Fixture | 12.4     | 12.6   | 25.0   |
| <b>Street Side</b> | Lumens    | 3472.7   | 699.9  | 4172.6 |
|                    | % Fixture | 62.4     | 12.6   | 75.0   |
| <b>Total</b>       | Lumens    | 4162.5   | 1399.8 | 5562.2 |
|                    | % Fixture | 74.8     | 25.2   | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 51.6   | 0.9       |
| 10°-20°   | 158.3  | 2.8       |
| 20°-30°   | 281.0  | 5.1       |
| 30°-40°   | 445.2  | 8.0       |
| 40°-50°   | 667.9  | 12.0      |
| 50°-60°   | 865.5  | 15.6      |
| 60°-70°   | 983.4  | 17.7      |
| 70°-80°   | 652.6  | 11.7      |
| 80°-90°   | 57.1   | 1.0       |
| 90°-100°  | 4.7    | 0.1       |
| 100°-110° | 67.7   | 1.2       |
| 110°-120° | 150.2  | 2.7       |
| 120°-130° | 219.7  | 4.0       |
| 130°-140° | 260.7  | 4.7       |
| 140°-150° | 264.3  | 4.8       |
| 150°-160° | 226.8  | 4.1       |
| 160°-170° | 152.2  | 2.7       |
| 170°-180° | 53.3   | 1.0       |
| 0°-90°    | 4162.5 | 74.8      |
| 0°-180°   | 5562.2 | 100.0     |



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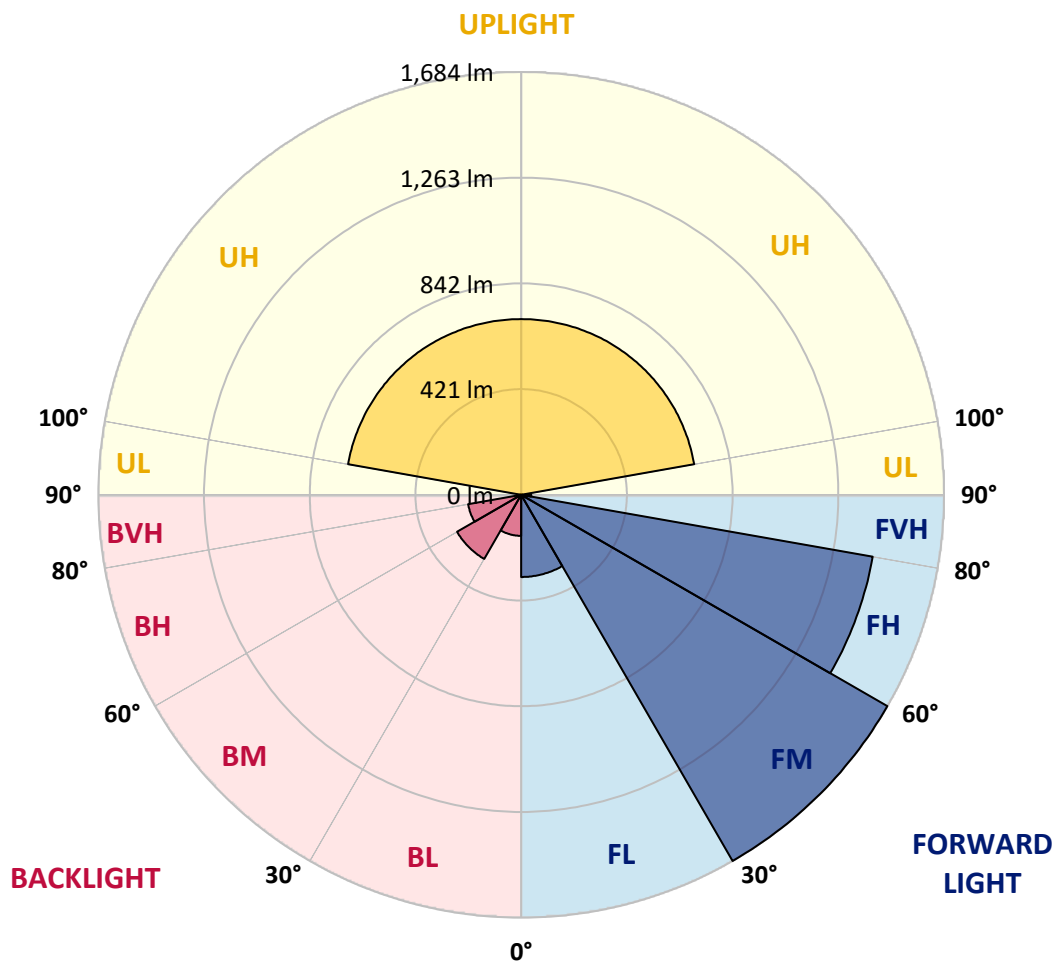
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |         |         |
|----------------|--------|-----------|-------------------------|---------|---------|
|                |        |           | B                       | U       | G       |
| FL (0°-30°)    | 327.5  | 5.9       |                         |         |         |
| FM (30°-60°)   | 1683.9 | 30.3      |                         |         |         |
| FH (60°-80°)   | 1421.5 | 25.6      |                         |         | G1/1800 |
| FVH (80°-90°)  | 39.9   | 0.7       |                         |         | G1/100  |
| BL (0°-30°)    | 163.4  | 2.9       | B1/500                  |         |         |
| BM (30°-60°)   | 294.6  | 5.3       | B1/1000                 |         |         |
| BH (60°-80°)   | 214.5  | 3.9       | B1/500                  |         | G1/500  |
| BVH (80°-90°)  | 17.2   | 0.3       |                         |         | G1/100  |
| UL (90°-100°)  | 4.7    | 0.1       |                         | U1/10   |         |
| UH (100°-180°) | 699.9  | 12.6      |                         | U4/1000 |         |

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

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 37.5°  | 40°    | 42.5°  | 45°    | 47.5°  | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 555.7  | 555.7  | 555.7  | 555.7  | 555.7  | 555.7  | 555.7  | 555.7  | 555.7  | 555.7  | 555.7  |
| 2.5°   | 602.0  | 599.3  | 597.8  | 595.0  | 592.3  | 590.8  | 586.6  | 583.8  | 588.0  | 586.6  | 586.6  |
| 5°     | 647.0  | 644.2  | 640.0  | 635.8  | 630.1  | 625.8  | 621.8  | 617.6  | 620.3  | 617.6  | 614.7  |
| 7.5°   | 683.5  | 680.6  | 675.1  | 670.9  | 665.3  | 659.6  | 654.0  | 652.6  | 649.8  | 645.6  | 644.2  |
| 10°    | 704.5  | 701.8  | 698.9  | 696.1  | 687.7  | 683.5  | 676.4  | 672.2  | 673.7  | 668.0  | 668.0  |
| 12.5°  | 724.1  | 721.4  | 719.9  | 719.9  | 713.0  | 708.8  | 705.9  | 701.8  | 704.5  | 696.1  | 693.3  |
| 15°    | 742.4  | 739.7  | 735.4  | 739.7  | 738.1  | 736.8  | 735.4  | 733.9  | 738.1  | 729.9  | 731.2  |
| 17.5°  | 771.9  | 770.5  | 762.0  | 756.5  | 757.9  | 762.0  | 764.9  | 763.5  | 763.5  | 759.2  | 760.7  |
| 20°    | 818.2  | 818.2  | 806.9  | 797.2  | 781.7  | 781.7  | 783.1  | 781.7  | 784.5  | 787.4  | 791.6  |
| 22.5°  | 853.3  | 850.4  | 846.2  | 837.8  | 821.1  | 806.9  | 806.9  | 801.4  | 805.6  | 806.9  | 815.4  |
| 25°    | 898.1  | 895.4  | 885.5  | 885.5  | 868.8  | 850.4  | 847.7  | 839.3  | 849.1  | 830.8  | 844.9  |
| 27.5°  | 952.9  | 950.1  | 937.5  | 931.9  | 923.5  | 901.0  | 895.4  | 896.8  | 906.6  | 880.0  | 894.0  |
| 30°    | 1021.7 | 1018.9 | 1003.5 | 988.0  | 974.0  | 950.1  | 947.4  | 945.9  | 968.4  | 937.5  | 955.8  |
| 32.5°  | 1108.7 | 1108.7 | 1091.9 | 1070.8 | 1042.8 | 1010.4 | 999.3  | 1000.6 | 1031.5 | 997.8  | 1028.6 |
| 35°    | 1240.6 | 1223.9 | 1192.9 | 1160.6 | 1131.1 | 1093.2 | 1077.9 | 1075.0 | 1103.1 | 1069.4 | 1104.5 |
| 37.5°  | 1324.8 | 1313.6 | 1285.6 | 1261.7 | 1229.4 | 1192.9 | 1181.7 | 1185.9 | 1209.7 | 1160.6 | 1211.2 |
| 40°    | 1400.6 | 1399.2 | 1381.0 | 1365.5 | 1333.3 | 1296.7 | 1310.8 | 1367.0 | 1430.1 | 1334.7 | 1336.0 |
| 42.5°  | 1451.1 | 1454.0 | 1452.6 | 1454.0 | 1435.7 | 1397.9 | 1421.7 | 1500.3 | 1608.3 | 1552.2 | 1500.3 |
| 45°    | 1459.6 | 1469.4 | 1473.6 | 1501.7 | 1519.9 | 1497.5 | 1510.1 | 1593.0 | 1809.1 | 1896.1 | 1661.7 |
| 47.5°  | 1480.7 | 1490.5 | 1482.0 | 1515.7 | 1599.9 | 1598.5 | 1649.1 | 1679.9 | 1709.4 | 1723.4 | 1900.3 |
| 50°    | 1508.7 | 1527.0 | 1518.6 | 1546.6 | 1615.3 | 1654.7 | 1698.2 | 1737.4 | 1713.6 | 1625.1 | 1672.9 |
| 52.5°  | 1510.1 | 1531.1 | 1577.4 | 1605.5 | 1672.9 | 1664.5 | 1693.9 | 1672.9 | 1709.4 | 1618.2 | 1664.5 |
| 55°    | 1386.6 | 1390.8 | 1525.5 | 1667.3 | 1785.2 | 1761.3 | 1743.1 | 1695.3 | 1741.6 | 1628.0 | 1686.9 |
| 57.5°  | 1191.5 | 1205.5 | 1345.9 | 1584.5 | 1837.1 | 1858.1 | 1852.6 | 1848.4 | 1884.8 | 1733.3 | 1797.8 |
| 60°    | 976.7  | 993.6  | 1126.9 | 1407.6 | 1729.1 | 1783.8 | 1859.5 | 1905.8 | 1999.9 | 1939.5 | 2046.2 |
| 62.5°  | 609.1  | 621.8  | 769.1  | 1120.0 | 1525.5 | 1633.6 | 1744.5 | 1799.2 | 1935.4 | 1963.4 | 2144.4 |
| 65°    | 290.5  | 294.7  | 352.2  | 609.1  | 1108.7 | 1312.2 | 1476.5 | 1593.0 | 1759.9 | 1886.2 | 2130.4 |
| 67.5°  | 225.9  | 227.3  | 248.4  | 324.2  | 568.4  | 704.5  | 891.2  | 1045.5 | 1223.9 | 1569.0 | 1872.2 |
| 70°    | 181.1  | 181.1  | 197.9  | 238.6  | 352.2  | 370.6  | 418.3  | 470.2  | 545.9  | 823.8  | 1069.4 |
| 72.5°  | 151.5  | 151.5  | 162.9  | 188.0  | 261.0  | 265.3  | 262.5  | 258.3  | 258.3  | 325.5  | 415.5  |
| 75°    | 127.6  | 126.3  | 133.3  | 150.2  | 193.7  | 199.2  | 196.5  | 186.7  | 175.3  | 175.3  | 197.9  |
| 77.5°  | 103.8  | 103.8  | 109.4  | 117.9  | 140.3  | 143.2  | 143.2  | 134.7  | 125.0  | 126.3  | 136.1  |
| 80°    | 81.4   | 81.4   | 85.6   | 91.2   | 98.3   | 96.8   | 96.8   | 88.4   | 81.4   | 79.9   | 85.6   |
| 82.5°  | 59.0   | 60.4   | 70.2   | 65.9   | 63.2   | 59.0   | 59.0   | 57.5   | 51.9   | 47.7   | 50.6   |
| 85°    | 18.2   | 19.7   | 33.7   | 39.3   | 32.2   | 26.7   | 25.2   | 21.0   | 22.5   | 18.2   | 21.0   |
| 87.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 1.3    | 0.0    | 0.0    | 0.0    | 1.3    | 0.0    | 1.3    |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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°    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 97.5°  | 2.0    | 2.0    | 2.0    | 3.0    | 4.0    | 5.1    | 6.4    | 7.6    | 8.8    | 9.8    | 10.8   |
| 100°   | 7.8    | 7.8    | 9.8    | 13.7   | 21.6   | 23.5   | 25.5   | 27.5   | 29.5   | 29.9   | 30.5   |
| 102.5° | 27.5   | 27.5   | 31.4   | 37.3   | 44.2   | 45.4   | 46.6   | 47.9   | 49.0   | 49.2   | 49.6   |
| 105°   | 53.0   | 53.0   | 55.0   | 59.8   | 64.8   | 65.8   | 66.7   | 67.7   | 68.7   | 68.9   | 69.2   |
| 107.5° | 76.5   | 75.5   | 78.5   | 82.5   | 86.3   | 87.1   | 87.9   | 88.6   | 89.3   | 89.8   | 90.3   |
| 110°   | 99.2   | 100.1  | 101.1  | 104.0  | 108.0  | 108.4  | 109.0  | 109.4  | 110.0  | 110.4  | 110.9  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 15°   | 25°   | 35°   | 37.5° | 40°   | 42.5° | 45°   | 47.5° | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 121.7 | 121.7 | 123.7 | 126.6 | 129.5 | 130.1 | 130.5 | 131.1 | 131.5 | 132.1 | 132.5 |
| 115°   | 143.3 | 144.3 | 146.2 | 148.2 | 151.2 | 151.6 | 152.2 | 152.6 | 153.1 | 153.6 | 154.1 |
| 117.5° | 165.8 | 166.8 | 168.8 | 170.8 | 173.7 | 174.2 | 174.7 | 175.2 | 175.7 | 175.9 | 176.2 |
| 120°   | 189.5 | 191.4 | 192.3 | 194.3 | 197.3 | 197.4 | 197.8 | 198.1 | 198.3 | 198.7 | 199.2 |
| 122.5° | 215.0 | 216.0 | 216.9 | 218.8 | 221.8 | 222.0 | 222.3 | 222.6 | 222.8 | 223.0 | 223.3 |
| 125°   | 239.5 | 241.5 | 242.5 | 243.4 | 246.3 | 246.6 | 246.9 | 247.1 | 247.3 | 247.6 | 247.8 |
| 127.5° | 262.0 | 264.0 | 265.0 | 267.0 | 269.0 | 269.4 | 269.9 | 270.4 | 270.9 | 271.4 | 271.8 |
| 130°   | 284.7 | 286.6 | 287.5 | 288.5 | 292.5 | 292.7 | 292.9 | 293.3 | 293.5 | 293.9 | 294.5 |
| 132.5° | 307.2 | 308.2 | 311.2 | 312.1 | 315.0 | 315.2 | 315.6 | 315.8 | 316.0 | 316.8 | 317.6 |
| 135°   | 329.8 | 330.8 | 332.7 | 334.7 | 338.6 | 338.6 | 338.6 | 338.6 | 338.6 | 339.4 | 340.1 |
| 137.5° | 352.3 | 353.3 | 356.3 | 357.3 | 360.2 | 360.2 | 360.2 | 360.2 | 360.2 | 360.7 | 361.2 |
| 140°   | 375.0 | 375.9 | 377.8 | 378.8 | 380.8 | 381.0 | 381.3 | 381.6 | 381.8 | 382.0 | 382.3 |
| 142.5° | 396.5 | 398.5 | 400.5 | 399.5 | 402.4 | 402.4 | 402.4 | 402.4 | 402.4 | 402.9 | 403.4 |
| 145°   | 417.2 | 418.1 | 420.0 | 420.0 | 423.0 | 423.2 | 423.6 | 423.8 | 424.0 | 424.4 | 425.0 |
| 147.5° | 435.8 | 435.8 | 438.7 | 439.7 | 443.7 | 443.9 | 444.1 | 444.4 | 444.6 | 444.8 | 445.1 |
| 150°   | 452.5 | 453.5 | 455.4 | 456.4 | 460.3 | 460.5 | 460.8 | 461.1 | 461.3 | 461.5 | 461.8 |
| 152.5° | 470.2 | 471.1 | 474.0 | 473.0 | 476.0 | 476.2 | 476.6 | 476.8 | 477.0 | 477.2 | 477.4 |
| 155°   | 489.8 | 490.7 | 492.7 | 491.7 | 493.7 | 493.7 | 493.7 | 493.7 | 493.7 | 493.9 | 494.2 |
| 157.5° | 503.5 | 505.5 | 507.5 | 506.5 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 | 509.4 |
| 160°   | 515.3 | 517.2 | 519.2 | 519.2 | 522.2 | 522.2 | 522.2 | 522.2 | 522.2 | 522.2 | 522.2 |
| 162.5° | 525.1 | 526.0 | 529.0 | 528.0 | 531.0 | 531.0 | 531.0 | 531.0 | 531.0 | 531.2 | 531.4 |
| 165°   | 535.9 | 536.8 | 538.8 | 537.8 | 541.8 | 541.8 | 541.8 | 541.8 | 541.8 | 541.9 | 542.3 |
| 167.5° | 544.7 | 545.7 | 548.7 | 547.7 | 550.6 | 550.4 | 550.1 | 549.9 | 549.7 | 549.7 | 549.7 |
| 170°   | 551.6 | 552.5 | 555.5 | 554.5 | 556.5 | 556.3 | 556.1 | 555.7 | 555.5 | 555.3 | 555.1 |
| 172.5° | 554.5 | 555.5 | 558.5 | 556.5 | 558.5 | 558.3 | 557.9 | 557.7 | 557.5 | 557.7 | 557.9 |
| 175°   | 556.5 | 558.5 | 559.5 | 558.5 | 561.4 | 561.4 | 561.4 | 561.4 | 561.4 | 561.6 | 561.9 |
| 177.5° | 561.4 | 562.4 | 564.3 | 563.3 | 567.3 | 567.1 | 566.8 | 566.5 | 566.3 | 566.3 | 566.3 |
| 180°   | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 |





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**CANDELA DISTRIBUTION (continued):**

|        | 52.5°  | 55°    | 57.5°  | 60°    | 62.5°  | 65°    | 67.5°  | 70°    | 72.5°  | 75°    | 77°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 555.7  | 555.7  | 555.7  | 555.7  | 555.7  | 555.7  | 555.7  | 555.7  | 555.7  | 555.7  | 555.7  |
| 2.5°   | 579.7  | 582.4  | 576.8  | 576.8  | 569.7  | 573.9  | 567.0  | 568.4  | 561.4  | 564.1  | 564.1  |
| 5°     | 607.7  | 609.1  | 602.0  | 599.3  | 592.3  | 592.3  | 585.2  | 585.2  | 575.5  | 578.1  | 575.5  |
| 7.5°   | 634.3  | 634.3  | 627.4  | 621.8  | 614.7  | 611.8  | 603.5  | 599.3  | 590.8  | 589.5  | 585.2  |
| 10°    | 656.8  | 656.8  | 647.0  | 641.4  | 632.9  | 628.7  | 617.6  | 613.4  | 603.5  | 596.5  | 592.3  |
| 12.5°  | 684.9  | 682.0  | 670.9  | 665.3  | 651.2  | 649.8  | 632.9  | 630.1  | 616.1  | 611.8  | 604.9  |
| 15°    | 718.6  | 721.4  | 703.1  | 701.8  | 682.0  | 680.6  | 658.2  | 656.8  | 635.8  | 634.3  | 624.5  |
| 17.5°  | 755.0  | 760.7  | 745.2  | 743.9  | 719.9  | 719.9  | 693.3  | 692.0  | 663.8  | 662.4  | 649.8  |
| 20°    | 787.4  | 794.3  | 784.5  | 787.4  | 766.3  | 767.7  | 738.1  | 738.1  | 698.9  | 696.1  | 684.9  |
| 22.5°  | 816.8  | 830.8  | 822.4  | 837.8  | 816.8  | 826.6  | 787.4  | 794.3  | 748.0  | 742.4  | 725.7  |
| 25°    | 846.2  | 864.5  | 861.7  | 887.0  | 871.5  | 888.3  | 847.7  | 861.7  | 801.4  | 805.6  | 783.1  |
| 27.5°  | 875.8  | 899.7  | 896.8  | 933.2  | 927.7  | 961.4  | 926.2  | 941.7  | 875.8  | 880.0  | 854.6  |
| 30°    | 924.9  | 951.6  | 941.7  | 979.6  | 979.6  | 1034.4 | 1007.7 | 1031.5 | 958.5  | 966.9  | 937.5  |
| 32.5°  | 990.8  | 1021.7 | 992.3  | 1041.3 | 1038.5 | 1110.1 | 1089.0 | 1129.8 | 1058.2 | 1069.4 | 1032.9 |
| 35°    | 1062.3 | 1111.6 | 1063.9 | 1118.5 | 1110.1 | 1184.5 | 1170.5 | 1236.4 | 1160.6 | 1173.3 | 1136.7 |
| 37.5°  | 1156.5 | 1215.4 | 1152.3 | 1200.0 | 1162.0 | 1247.7 | 1239.2 | 1329.0 | 1251.9 | 1284.1 | 1240.6 |
| 40°    | 1267.3 | 1313.6 | 1235.0 | 1275.8 | 1212.6 | 1300.9 | 1286.9 | 1410.5 | 1338.8 | 1390.8 | 1351.5 |
| 42.5°  | 1369.7 | 1402.1 | 1298.2 | 1348.7 | 1272.9 | 1362.8 | 1337.5 | 1486.2 | 1424.5 | 1504.5 | 1460.9 |
| 45°    | 1462.4 | 1498.9 | 1361.3 | 1417.4 | 1333.3 | 1431.4 | 1388.0 | 1559.2 | 1517.1 | 1637.8 | 1594.3 |
| 47.5°  | 1594.3 | 1541.0 | 1418.9 | 1491.8 | 1397.9 | 1505.9 | 1448.3 | 1644.9 | 1629.3 | 1800.7 | 1750.1 |
| 50°    | 1550.8 | 1585.9 | 1466.7 | 1542.4 | 1456.8 | 1588.7 | 1525.5 | 1747.2 | 1751.4 | 1977.5 | 1948.0 |
| 52.5°  | 1555.1 | 1614.0 | 1503.0 | 1608.3 | 1525.5 | 1703.7 | 1637.8 | 1870.8 | 1890.4 | 2148.7 | 2108.0 |
| 55°    | 1580.3 | 1667.3 | 1557.8 | 1699.5 | 1622.4 | 1831.5 | 1785.2 | 2004.1 | 2037.7 | 2310.0 | 2286.2 |
| 57.5°  | 1643.4 | 1764.1 | 1651.8 | 1837.1 | 1757.2 | 1977.5 | 1935.4 | 2141.6 | 2187.9 | 2471.5 | 2464.4 |
| 60°    | 1886.2 | 2029.5 | 1832.9 | 2037.7 | 1931.2 | 2143.1 | 2086.9 | 2286.2 | 2332.4 | 2625.8 | 2644.1 |
| 62.5°  | 2157.1 | 2405.5 | 2289.0 | 2502.3 | 2220.3 | 2434.9 | 2269.4 | 2464.4 | 2467.3 | 2791.4 | 2849.0 |
| 65°    | 2227.3 | 2608.9 | 2708.6 | 3105.8 | 2958.5 | 3178.8 | 2736.7 | 2867.2 | 2698.8 | 3093.1 | 3176.0 |
| 67.5°  | 2200.6 | 2668.0 | 2944.5 | 3392.1 | 3559.2 | 3943.6 | 3869.3 | 3824.4 | 3434.2 | 3717.7 | 3817.3 |
| 70°    | 1615.3 | 2110.7 | 2787.2 | 3241.9 | 3723.4 | 3976.0 | 4375.9 | 4416.7 | 4399.8 | 4360.6 | 4426.5 |
| 72.5°  | 735.4  | 1153.6 | 1886.2 | 2405.5 | 3199.9 | 3369.6 | 3949.3 | 3938.1 | 4533.0 | 4385.7 | 4489.5 |
| 75°    | 289.2  | 444.9  | 898.1  | 1343.1 | 2213.2 | 2422.3 | 3079.1 | 2916.3 | 3658.8 | 3442.7 | 3664.4 |
| 77.5°  | 158.6  | 199.2  | 336.9  | 576.8  | 1208.4 | 1319.3 | 1884.8 | 1612.5 | 2269.4 | 1894.6 | 1969.1 |
| 80°    | 95.4   | 119.3  | 154.4  | 219.0  | 513.7  | 543.1  | 804.2  | 648.4  | 927.7  | 704.5  | 683.5  |
| 82.5°  | 51.9   | 64.6   | 77.2   | 108.1  | 190.9  | 211.9  | 277.8  | 249.8  | 297.5  | 254.0  | 248.4  |
| 85°    | 21.0   | 28.0   | 29.5   | 43.5   | 63.2   | 73.0   | 88.4   | 95.4   | 116.5  | 106.7  | 103.8  |
| 87.5°  | 0.0    | 1.3    | 0.0    | 2.9    | 0.0    | 2.9    | 0.0    | 4.2    | 4.2    | 7.0    | 8.4    |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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°    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 97.5°  | 11.8   | 12.8   | 11.3   | 9.8    | 8.4    | 6.8    | 6.4    | 5.9    | 5.4    | 4.9    | 4.7    |
| 100°   | 30.9   | 31.4   | 30.9   | 30.5   | 29.9   | 29.5   | 28.7   | 27.9   | 27.3   | 26.5   | 26.3   |
| 102.5° | 49.9   | 50.0   | 49.9   | 49.6   | 49.2   | 49.0   | 48.6   | 48.1   | 47.6   | 47.1   | 47.3   |
| 105°   | 69.5   | 69.7   | 69.7   | 69.7   | 69.7   | 69.7   | 69.2   | 68.7   | 68.2   | 67.7   | 68.1   |
| 107.5° | 90.8   | 91.3   | 91.1   | 90.8   | 90.5   | 90.3   | 90.1   | 89.8   | 89.5   | 89.3   | 89.5   |
| 110°   | 111.4  | 111.9  | 111.9  | 111.9  | 111.9  | 111.9  | 111.7  | 111.4  | 111.1  | 110.9  | 111.1  |



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CATALOG NUMBER: ISS-AF-800-LED-E1-T2-7027-ULG

**CANDELA DISTRIBUTION (continued):**

|        | 52.5° | 55°   | 57.5° | 60°   | 62.5° | 65°   | 67.5° | 70°   | 72.5° | 75°   | 77°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 132.9 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.3 | 132.9 | 132.7 | 132.5 | 132.9 |
| 115°   | 154.6 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.5 |
| 117.5° | 176.4 | 176.7 | 176.9 | 177.1 | 177.4 | 177.7 | 177.4 | 177.1 | 176.9 | 176.7 | 177.1 |
| 120°   | 199.7 | 200.2 | 200.2 | 200.2 | 200.2 | 200.2 | 200.2 | 200.2 | 200.2 | 200.2 | 200.6 |
| 122.5° | 223.6 | 223.8 | 223.8 | 223.8 | 223.8 | 223.8 | 223.9 | 224.3 | 224.6 | 224.8 | 225.6 |
| 125°   | 248.1 | 248.3 | 248.5 | 248.8 | 249.1 | 249.3 | 249.3 | 249.3 | 249.3 | 249.3 | 249.9 |
| 127.5° | 272.4 | 272.8 | 272.6 | 272.4 | 272.1 | 271.8 | 272.1 | 272.4 | 272.6 | 272.8 | 273.4 |
| 130°   | 294.9 | 295.5 | 295.5 | 295.5 | 295.5 | 295.5 | 295.6 | 295.9 | 296.2 | 296.4 | 297.0 |
| 132.5° | 318.2 | 319.0 | 319.0 | 319.0 | 319.0 | 319.0 | 319.2 | 319.4 | 319.8 | 320.0 | 320.5 |
| 135°   | 340.7 | 341.5 | 341.5 | 341.5 | 341.5 | 341.5 | 341.7 | 342.1 | 342.3 | 342.5 | 343.0 |
| 137.5° | 361.7 | 362.2 | 362.2 | 362.2 | 362.2 | 362.2 | 362.4 | 362.6 | 362.9 | 363.2 | 363.9 |
| 140°   | 382.6 | 382.8 | 382.8 | 382.8 | 382.8 | 382.8 | 383.3 | 383.8 | 384.3 | 384.7 | 385.6 |
| 142.5° | 403.9 | 404.3 | 404.3 | 404.3 | 404.3 | 404.3 | 404.6 | 404.9 | 405.1 | 405.3 | 405.9 |
| 145°   | 425.4 | 426.0 | 425.8 | 425.4 | 425.2 | 425.0 | 425.2 | 425.4 | 425.8 | 426.0 | 426.5 |
| 147.5° | 445.4 | 445.6 | 445.1 | 444.6 | 444.1 | 443.7 | 443.9 | 444.1 | 444.4 | 444.6 | 445.2 |
| 150°   | 462.1 | 462.3 | 461.8 | 461.3 | 460.8 | 460.3 | 460.3 | 460.3 | 460.3 | 460.3 | 461.1 |
| 152.5° | 477.8 | 478.0 | 477.8 | 477.4 | 477.2 | 477.0 | 477.0 | 477.0 | 477.0 | 477.0 | 477.6 |
| 155°   | 494.4 | 494.7 | 494.4 | 494.2 | 493.9 | 493.7 | 493.9 | 494.2 | 494.4 | 494.7 | 495.2 |
| 157.5° | 509.4 | 509.4 | 508.9 | 508.4 | 507.9 | 507.5 | 507.6 | 507.9 | 508.2 | 508.4 | 509.4 |
| 160°   | 522.2 | 522.2 | 521.6 | 521.2 | 520.7 | 520.2 | 520.2 | 520.2 | 520.2 | 520.2 | 520.7 |
| 162.5° | 531.8 | 532.0 | 531.4 | 531.0 | 530.4 | 530.0 | 529.6 | 529.0 | 528.6 | 528.0 | 528.5 |
| 165°   | 542.6 | 542.8 | 541.9 | 541.3 | 540.6 | 539.8 | 539.3 | 538.8 | 538.4 | 537.8 | 538.3 |
| 167.5° | 549.7 | 549.7 | 549.1 | 548.7 | 548.1 | 547.7 | 547.9 | 548.1 | 548.4 | 548.7 | 549.4 |
| 170°   | 554.7 | 554.5 | 554.3 | 554.1 | 553.7 | 553.5 | 554.1 | 554.5 | 555.1 | 555.5 | 556.5 |
| 172.5° | 558.3 | 558.5 | 557.9 | 557.5 | 556.9 | 556.5 | 556.7 | 556.9 | 557.3 | 557.5 | 558.0 |
| 175°   | 562.2 | 562.4 | 561.6 | 560.9 | 560.3 | 559.5 | 558.9 | 558.5 | 557.9 | 557.5 | 558.0 |
| 177.5° | 566.3 | 566.3 | 565.6 | 564.9 | 564.1 | 563.3 | 563.3 | 563.3 | 563.3 | 563.3 | 564.0 |
| 180°   | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 |



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CATALOG NUMBER: ISS-AF-800-LED-E1-T2-7027-ULG

**CANDELA DISTRIBUTION (continued):**

|        | 77.5°  | 80°    | 82.5°  | 85°    | 87.5°  | 90°    | 95°    | 100°  | 102.5° | 105°  | 107.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|-------|--------|
| 0°     | 555.7  | 555.7  | 555.7  | 555.7  | 555.7  | 555.7  | 555.7  | 555.7 | 555.7  | 555.7 | 555.7  |
| 2.5°   | 559.9  | 564.1  | 558.6  | 558.6  | 551.6  | 555.7  | 551.6  | 547.3 | 540.3  | 541.7 | 531.9  |
| 5°     | 569.7  | 572.6  | 565.7  | 562.8  | 558.6  | 557.2  | 548.8  | 540.3 | 530.4  | 530.4 | 519.3  |
| 7.5°   | 579.7  | 579.7  | 569.7  | 569.7  | 559.9  | 557.2  | 544.6  | 530.4 | 516.4  | 515.1 | 498.2  |
| 10°    | 585.2  | 583.8  | 571.2  | 571.2  | 557.2  | 555.7  | 540.3  | 519.3 | 499.6  | 494.0 | 470.2  |
| 12.5°  | 596.5  | 595.0  | 579.7  | 576.8  | 558.6  | 558.6  | 536.1  | 508.0 | 480.0  | 470.2 | 436.5  |
| 15°    | 610.5  | 611.8  | 593.7  | 589.5  | 568.4  | 567.0  | 536.1  | 494.0 | 456.1  | 440.7 | 399.9  |
| 17.5°  | 632.9  | 634.3  | 609.1  | 604.9  | 579.7  | 575.5  | 537.5  | 477.2 | 423.8  | 407.0 | 370.6  |
| 20°    | 662.4  | 658.2  | 624.5  | 623.2  | 589.5  | 585.2  | 536.1  | 451.8 | 391.5  | 374.8 | 342.4  |
| 22.5°  | 698.9  | 694.7  | 651.2  | 647.0  | 607.7  | 600.7  | 534.7  | 425.3 | 362.1  | 343.8 | 322.9  |
| 25°    | 749.5  | 743.9  | 690.4  | 684.9  | 635.8  | 624.5  | 533.3  | 397.2 | 336.9  | 322.9 | 310.2  |
| 27.5°  | 812.6  | 801.4  | 736.8  | 731.2  | 665.3  | 651.2  | 527.7  | 364.9 | 311.5  | 301.7 | 296.1  |
| 30°    | 888.3  | 878.5  | 795.8  | 787.4  | 704.5  | 686.2  | 522.1  | 335.4 | 293.4  | 289.2 | 284.9  |
| 32.5°  | 978.3  | 968.4  | 867.3  | 857.5  | 755.0  | 728.3  | 512.2  | 311.5 | 282.1  | 282.1 | 276.5  |
| 35°    | 1072.3 | 1063.9 | 944.5  | 937.5  | 811.2  | 776.0  | 499.6  | 290.5 | 272.3  | 272.3 | 266.7  |
| 37.5°  | 1156.5 | 1163.5 | 1028.6 | 1023.1 | 867.3  | 823.8  | 485.6  | 276.5 | 263.8  | 261.0 | 255.4  |
| 40°    | 1247.7 | 1264.5 | 1107.3 | 1111.6 | 926.2  | 874.3  | 468.7  | 265.3 | 254.0  | 251.3 | 249.8  |
| 42.5°  | 1340.3 | 1372.6 | 1190.2 | 1205.5 | 985.2  | 926.2  | 456.1  | 258.3 | 249.8  | 244.2 | 242.8  |
| 45°    | 1455.3 | 1501.7 | 1292.6 | 1322.0 | 1054.0 | 989.4  | 451.8  | 249.8 | 237.2  | 230.1 | 225.9  |
| 47.5°  | 1598.5 | 1660.2 | 1418.9 | 1452.6 | 1145.2 | 1065.2 | 460.3  | 247.0 | 228.8  | 220.4 | 211.9  |
| 50°    | 1768.3 | 1827.3 | 1569.0 | 1583.0 | 1247.7 | 1148.0 | 478.5  | 251.3 | 225.9  | 213.3 | 200.7  |
| 52.5°  | 1948.0 | 1992.9 | 1727.6 | 1712.2 | 1354.4 | 1229.4 | 499.6  | 252.6 | 219.0  | 206.3 | 190.9  |
| 55°    | 2133.3 | 2158.4 | 1875.0 | 1834.2 | 1451.1 | 1310.8 | 527.7  | 251.3 | 213.3  | 199.2 | 179.6  |
| 57.5°  | 2314.2 | 2322.7 | 2005.6 | 1966.2 | 1546.6 | 1407.6 | 562.8  | 247.0 | 204.9  | 190.9 | 169.8  |
| 60°    | 2491.1 | 2505.1 | 2150.0 | 2113.6 | 1650.5 | 1532.6 | 613.4  | 239.9 | 193.7  | 183.8 | 161.3  |
| 62.5°  | 2684.8 | 2731.0 | 2322.7 | 2328.2 | 1793.6 | 1727.6 | 708.8  | 231.5 | 182.4  | 171.3 | 148.8  |
| 65°    | 2948.7 | 3125.5 | 2607.6 | 2739.5 | 2068.7 | 2095.4 | 891.2  | 207.7 | 167.1  | 153.0 | 137.5  |
| 67.5°  | 3609.7 | 3803.3 | 3299.5 | 3352.8 | 2712.8 | 2554.3 | 1006.3 | 176.9 | 147.3  | 137.5 | 127.6  |
| 70°    | 4437.6 | 4298.7 | 3940.9 | 3618.0 | 3089.0 | 2625.8 | 885.5  | 148.8 | 130.5  | 125.0 | 119.3  |
| 72.5°  | 4665.1 | 4166.8 | 3872.1 | 3387.9 | 2856.0 | 2290.4 | 678.0  | 127.6 | 116.5  | 113.6 | 109.4  |
| 75°    | 4099.4 | 3378.1 | 3395.0 | 2691.8 | 2367.7 | 1745.9 | 463.2  | 109.4 | 101.1  | 99.6  | 98.3   |
| 77.5°  | 2621.6 | 1736.1 | 2113.6 | 1330.5 | 1367.0 | 808.4  | 225.9  | 91.2  | 87.0   | 87.0  | 84.2   |
| 80°    | 931.9  | 578.1  | 654.0  | 419.6  | 381.7  | 256.8  | 122.1  | 73.0  | 70.2   | 71.5  | 70.2   |
| 82.5°  | 279.4  | 221.7  | 217.5  | 169.8  | 131.9  | 108.1  | 67.4   | 56.1  | 53.3   | 54.8  | 51.9   |
| 85°    | 112.3  | 87.0   | 73.0   | 56.1   | 46.4   | 42.1   | 36.5   | 37.9  | 33.7   | 36.5  | 32.2   |
| 87.5°  | 7.0    | 5.6    | 4.2    | 5.6    | 0.0    | 2.9    | 7.0    | 5.6   | 1.3    | 5.6   | 4.2    |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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°    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0   | 1.0    | 1.0   | 1.0    |
| 97.5°  | 4.7    | 4.4    | 4.1    | 4.0    | 4.0    | 4.0    | 4.0    | 4.4   | 4.7    | 4.9   | 5.4    |
| 100°   | 26.3   | 26.1   | 25.7   | 25.5   | 25.1   | 24.5   | 25.5   | 26.1  | 26.3   | 26.5  | 27.3   |
| 102.5° | 47.3   | 47.6   | 47.9   | 48.1   | 47.6   | 47.1   | 48.1   | 47.6  | 47.3   | 47.1  | 47.6   |
| 105°   | 68.2   | 68.7   | 69.2   | 69.7   | 68.7   | 67.7   | 69.7   | 68.7  | 68.2   | 67.7  | 68.2   |
| 107.5° | 89.5   | 89.8   | 90.1   | 90.3   | 89.8   | 89.3   | 90.3   | 89.8  | 89.5   | 89.3  | 89.5   |
| 110°   | 111.1  | 111.4  | 111.7  | 111.9  | 111.4  | 110.9  | 111.9  | 111.4 | 111.1  | 110.9 | 111.1  |



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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|        | 77.5° | 80°   | 82.5° | 85°   | 87.5° | 90°   | 95°   | 100°  | 102.5° | 105°  | 107.5° |        |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|--------|
| 112.5° | 132.9 | 133.5 | 133.9 | 134.5 | 133.5 | 132.5 | 134.5 | 133.5 | 132.9  | 132.5 | 132.7  | 0°     |
| 115°   | 155.6 | 156.0 | 156.6 | 157.0 | 156.6 | 156.0 | 157.0 | 156.0 | 155.6  | 155.0 | 155.0  | 2.5°   |
| 117.5° | 177.1 | 177.7 | 178.1 | 178.7 | 177.7 | 176.7 | 178.7 | 177.7 | 177.1  | 176.7 | 176.9  | 5°     |
| 120°   | 200.7 | 201.2 | 201.7 | 202.2 | 201.2 | 200.2 | 202.2 | 201.2 | 200.7  | 200.2 | 200.2  | 7.5°   |
| 122.5° | 225.7 | 226.7 | 227.7 | 228.7 | 228.2 | 227.7 | 228.7 | 226.7 | 225.7  | 224.8 | 224.6  | 10°    |
| 125°   | 250.1 | 250.8 | 251.4 | 252.2 | 251.7 | 251.3 | 252.2 | 250.8 | 250.1  | 249.3 | 249.3  | 12.5°  |
| 127.5° | 273.6 | 274.3 | 275.0 | 275.8 | 274.3 | 272.8 | 275.8 | 274.3 | 273.6  | 272.8 | 272.6  | 15°    |
| 130°   | 297.2 | 297.9 | 298.6 | 299.3 | 298.3 | 297.4 | 299.3 | 297.9 | 297.2  | 296.4 | 296.2  | 17.5°  |
| 132.5° | 320.8 | 321.4 | 322.1 | 322.9 | 322.0 | 321.0 | 322.9 | 321.4 | 320.8  | 320.0 | 319.8  | 20°    |
| 135°   | 343.1 | 343.5 | 344.1 | 344.5 | 344.1 | 343.5 | 344.5 | 343.5 | 343.1  | 342.5 | 342.3  | 22.5°  |
| 137.5° | 364.2 | 365.1 | 366.1 | 367.0 | 366.1 | 365.1 | 367.0 | 365.1 | 364.2  | 363.2 | 362.9  | 25°    |
| 140°   | 385.7 | 386.7 | 387.7 | 388.7 | 387.7 | 386.7 | 388.7 | 386.7 | 385.7  | 384.7 | 384.3  | 27.5°  |
| 142.5° | 406.1 | 406.8 | 407.5 | 408.3 | 407.8 | 407.3 | 408.3 | 406.8 | 406.1  | 405.3 | 405.1  | 30°    |
| 145°   | 426.8 | 427.4 | 428.1 | 428.9 | 428.0 | 427.0 | 428.9 | 427.4 | 426.8  | 426.0 | 425.8  | 32.5°  |
| 147.5° | 445.4 | 446.1 | 446.7 | 447.5 | 446.1 | 444.6 | 447.5 | 446.1 | 445.4  | 444.6 | 444.4  | 35°    |
| 150°   | 461.3 | 462.3 | 463.3 | 464.2 | 462.8 | 461.3 | 464.2 | 462.3 | 461.3  | 460.3 | 460.3  | 37.5°  |
| 152.5° | 477.8 | 478.4 | 479.2 | 480.0 | 478.4 | 477.0 | 480.0 | 478.4 | 477.8  | 477.0 | 477.0  | 40°    |
| 155°   | 495.4 | 496.1 | 496.9 | 497.6 | 496.7 | 495.7 | 497.6 | 496.1 | 495.4  | 494.7 | 494.4  | 42.5°  |
| 157.5° | 509.6 | 510.9 | 512.1 | 513.3 | 511.9 | 510.3 | 513.3 | 510.9 | 509.6  | 508.4 | 508.2  | 45°    |
| 160°   | 520.9 | 521.6 | 522.4 | 523.2 | 522.2 | 521.2 | 523.2 | 521.6 | 520.9  | 520.2 | 520.2  | 47.5°  |
| 162.5° | 528.6 | 529.0 | 529.6 | 530.0 | 528.6 | 527.0 | 530.0 | 529.0 | 528.6  | 528.0 | 528.6  | 50°    |
| 165°   | 538.4 | 538.8 | 539.3 | 539.8 | 538.8 | 537.8 | 539.8 | 538.8 | 538.4  | 537.8 | 538.4  | 52.5°  |
| 167.5° | 549.7 | 550.6 | 551.6 | 552.5 | 551.6 | 550.6 | 552.5 | 550.6 | 549.7  | 548.7 | 548.4  | 55°    |
| 170°   | 556.7 | 557.9 | 559.3 | 560.5 | 559.5 | 558.5 | 560.5 | 557.9 | 556.7  | 555.5 | 555.1  | 57.5°  |
| 172.5° | 558.3 | 558.9 | 559.6 | 560.5 | 558.9 | 557.5 | 560.5 | 558.9 | 558.3  | 557.5 | 557.3  | 60°    |
| 175°   | 558.3 | 558.9 | 559.6 | 560.5 | 558.9 | 557.5 | 560.5 | 558.9 | 558.3  | 557.5 | 557.9  | 62.5°  |
| 177.5° | 564.1 | 564.9 | 565.6 | 566.3 | 564.9 | 563.3 | 566.3 | 564.9 | 564.1  | 563.3 | 563.3  | 65°    |
| 180°   | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3 | 565.3  | 565.3 | 565.3  | 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° |
|        |       |       |       |       |       |       |       |       |        |       |        | 110°   |

NUMBER: P271597  
 NUMBER: ISS-AF-800-LED-E1-T2-7027-ULG

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

| 110°  | 112.5° | 115°  | 117.5° | 120°  | 122.5° | 125°  | 127.5° | 130°  | 135°  | 145°  | 110°   |       |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|--------|-------|
| 555.7 | 555.7  | 555.7 | 555.7  | 555.7 | 555.7  | 555.7 | 555.7  | 555.7 | 555.7 | 555.7 | 112.5° | 132.9 |
| 538.9 | 529.1  | 533.3 | 529.1  | 531.9 | 523.5  | 526.2 | 519.3  | 519.3 | 517.9 | 510.9 | 115°   | 155.0 |
| 520.7 | 510.9  | 509.5 | 499.6  | 501.1 | 489.8  | 488.4 | 475.7  | 475.7 | 464.5 | 443.5 | 117.5° | 177.1 |
| 495.4 | 480.0  | 478.5 | 458.9  | 457.6 | 442.1  | 436.5 | 422.5  | 421.0 | 408.4 | 395.7 | 120°   | 200.2 |
| 463.2 | 439.3  | 435.0 | 409.8  | 411.2 | 394.4  | 393.0 | 383.1  | 383.1 | 377.5 | 377.5 | 122.5° | 224.3 |
| 426.7 | 399.9  | 397.2 | 377.5  | 378.9 | 367.7  | 369.1 | 363.5  | 366.3 | 369.1 | 378.9 | 125°   | 249.3 |
| 393.0 | 371.9  | 369.1 | 356.4  | 357.9 | 355.1  | 359.3 | 359.3  | 363.5 | 370.6 | 387.3 | 127.5° | 272.4 |
| 364.9 | 346.7  | 348.0 | 342.4  | 348.0 | 346.7  | 355.1 | 353.7  | 362.1 | 370.6 | 391.5 | 130°   | 295.9 |
| 339.6 | 329.8  | 334.0 | 332.6  | 339.6 | 339.6  | 346.7 | 348.0  | 355.1 | 366.3 | 390.1 | 132.5° | 319.4 |
| 322.9 | 320.0  | 324.2 | 324.2  | 329.8 | 331.3  | 338.2 | 342.4  | 346.7 | 357.9 | 378.9 | 135°   | 342.1 |
| 313.0 | 311.5  | 315.8 | 317.2  | 321.4 | 322.9  | 329.8 | 329.8  | 336.9 | 343.8 | 355.1 | 137.5° | 362.6 |
| 299.0 | 296.1  | 301.7 | 301.7  | 307.4 | 306.0  | 314.4 | 311.5  | 318.6 | 321.4 | 324.2 | 140°   | 383.8 |
| 289.2 | 284.9  | 289.2 | 287.6  | 291.9 | 287.6  | 291.9 | 287.6  | 291.9 | 291.9 | 287.6 | 142.5° | 404.9 |
| 279.4 | 275.2  | 276.5 | 270.9  | 275.2 | 269.4  | 270.9 | 265.3  | 268.1 | 265.3 | 266.7 | 145°   | 425.4 |
| 269.4 | 263.8  | 263.8 | 256.8  | 256.8 | 249.8  | 252.6 | 247.0  | 252.6 | 256.8 | 255.4 | 147.5° | 444.1 |
| 255.4 | 251.3  | 251.3 | 245.6  | 248.4 | 245.6  | 251.3 | 248.4  | 249.8 | 244.2 | 234.4 | 150°   | 460.3 |
| 247.0 | 249.8  | 248.4 | 252.6  | 249.8 | 245.6  | 241.4 | 233.0  | 231.5 | 228.8 | 223.2 | 152.5° | 477.0 |
| 234.4 | 237.2  | 230.1 | 235.7  | 231.5 | 233.0  | 230.1 | 225.9  | 223.2 | 220.4 | 214.8 | 155°   | 494.2 |
| 216.1 | 216.1  | 210.6 | 219.0  | 214.8 | 223.2  | 220.4 | 220.4  | 217.5 | 213.3 | 209.1 | 157.5° | 507.9 |
| 200.7 | 202.1  | 196.5 | 203.5  | 200.7 | 211.9  | 210.6 | 214.8  | 214.8 | 211.9 | 200.7 | 160°   | 520.2 |
| 190.9 | 188.0  | 183.8 | 190.9  | 189.5 | 199.2  | 200.7 | 209.1  | 207.7 | 209.1 | 199.2 | 162.5° | 529.0 |
| 182.4 | 176.9  | 172.7 | 176.9  | 176.9 | 185.2  | 188.0 | 197.9  | 199.2 | 202.1 | 196.5 | 165°   | 538.8 |
| 172.7 | 165.6  | 162.9 | 165.6  | 165.6 | 174.0  | 178.2 | 185.2  | 189.5 | 197.9 | 195.1 | 167.5° | 548.1 |
| 164.2 | 154.4  | 151.5 | 154.4  | 155.8 | 164.2  | 168.4 | 175.3  | 181.1 | 192.2 | 190.9 | 170°   | 554.5 |
| 154.4 | 146.0  | 143.2 | 147.3  | 148.8 | 157.2  | 161.3 | 168.4  | 172.7 | 185.2 | 185.2 | 172.5° | 556.9 |
| 143.2 | 136.1  | 136.1 | 137.5  | 140.3 | 148.8  | 151.5 | 161.3  | 162.9 | 178.2 | 179.6 | 175°   | 558.5 |
| 133.3 | 129.2  | 129.2 | 130.5  | 133.3 | 140.3  | 141.8 | 151.5  | 153.0 | 168.4 | 172.7 | 177.5° | 563.3 |
| 125.0 | 122.1  | 122.1 | 123.4  | 125.0 | 130.5  | 131.9 | 141.8  | 144.5 | 158.6 | 165.6 | 180°   | 565.3 |
| 116.5 | 113.6  | 112.3 | 112.3  | 116.5 | 120.7  | 123.4 | 133.3  | 134.7 | 147.3 | 155.8 |        |       |
| 106.7 | 103.8  | 103.8 | 102.5  | 106.7 | 109.4  | 115.2 | 120.7  | 123.4 | 136.1 | 141.8 |        |       |
| 96.8  | 94.1   | 94.1  | 92.6   | 95.4  | 101.1  | 102.5 | 108.1  | 109.4 | 120.7 | 126.3 |        |       |
| 84.2  | 81.4   | 81.4  | 81.4   | 84.2  | 85.6   | 87.0  | 92.6   | 95.4  | 105.2 | 110.9 |        |       |
| 70.2  | 67.4   | 68.8  | 67.4   | 71.5  | 65.9   | 70.2  | 75.7   | 78.6  | 84.2  | 81.4  |        |       |
| 53.3  | 49.0   | 50.6  | 50.6   | 51.9  | 47.7   | 50.6  | 53.3   | 56.1  | 60.4  | 59.0  |        |       |
| 33.7  | 29.5   | 32.2  | 29.5   | 32.2  | 28.0   | 30.9  | 30.9   | 33.7  | 30.9  | 29.5  |        |       |
| 7.0   | 2.9    | 7.0   | 2.9    | 8.4   | 0.0    | 4.2   | 0.0    | 2.9   | 1.3   | 0.0   |        |       |
| 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0   | 0.0   |        |       |
| 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0   | 0.0   |        |       |
| 1.0   | 1.0    | 1.0   | 1.0    | 1.0   | 1.0    | 1.0   | 1.0    | 1.0   | 1.0   | 1.0   |        |       |
| 5.9   | 6.4    | 6.8   | 8.4    | 9.8   | 11.3   | 12.8  | 11.8   | 10.8  | 8.8   | 4.0   |        |       |
| 27.9  | 28.7   | 29.5  | 29.9   | 30.5  | 30.9   | 31.4  | 30.9   | 30.5  | 29.5  | 21.6  |        |       |
| 48.1  | 48.6   | 49.0  | 49.2   | 49.6  | 49.9   | 50.0  | 49.9   | 49.6  | 49.0  | 44.2  |        |       |
| 68.7  | 69.2   | 69.7  | 69.7   | 69.7  | 69.7   | 69.7  | 69.5   | 69.2  | 68.7  | 64.8  |        |       |
| 89.8  | 90.1   | 90.3  | 90.5   | 90.8  | 91.1   | 91.3  | 90.8   | 90.3  | 89.3  | 86.3  |        |       |
| 111.4 | 111.7  | 111.9 | 111.9  | 111.9 | 111.9  | 111.9 | 111.4  | 110.9 | 110.0 | 108.0 |        |       |

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 ISS-AF-800-LED-E1-T2-7027-ULG

REPORT NUMBER: P271597  
 CATALOG NUMBER: ISS-AF-800

**TION (continued):**

**CANDELA DISTRIBUTION (con**

| 112.5° | 115°  | 117.5° | 120°  | 122.5° | 125°  | 127.5° | 130°  | 135°  | 145°  |        | 155°  | 165°  |
|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|--------|-------|-------|
| 133.3  | 133.5 | 133.5  | 133.5 | 133.5  | 133.5 | 132.9  | 132.5 | 131.5 | 129.5 | 0°     | 555.7 | 555.7 |
| 155.0  | 155.0 | 155.0  | 155.0 | 155.0  | 155.0 | 154.6  | 154.1 | 153.1 | 151.2 | 2.5°   | 503.8 | 498.2 |
| 177.4  | 177.7 | 177.4  | 177.1 | 176.9  | 176.7 | 176.4  | 176.2 | 175.7 | 173.7 | 5°     | 432.3 | 422.5 |
| 200.2  | 200.2 | 200.2  | 200.2 | 200.2  | 200.2 | 199.7  | 199.2 | 198.3 | 197.3 | 7.5°   | 388.8 | 385.9 |
| 223.9  | 223.8 | 223.8  | 223.8 | 223.8  | 223.8 | 223.6  | 223.3 | 222.8 | 221.8 | 10°    | 380.3 | 384.6 |
| 249.3  | 249.3 | 249.1  | 248.8 | 248.5  | 248.3 | 248.1  | 247.8 | 247.3 | 246.3 | 12.5°  | 390.1 | 397.2 |
| 272.1  | 271.8 | 272.1  | 272.4 | 272.6  | 272.8 | 272.4  | 271.8 | 270.9 | 269.0 | 15°    | 402.8 | 415.5 |
| 295.6  | 295.5 | 295.5  | 295.5 | 295.5  | 295.5 | 294.9  | 294.5 | 293.5 | 292.5 | 17.5°  | 412.6 | 429.5 |
| 319.2  | 319.0 | 319.0  | 319.0 | 319.0  | 319.0 | 318.2  | 317.6 | 316.0 | 315.0 | 20°    | 414.0 | 430.8 |
| 341.7  | 341.5 | 341.5  | 341.5 | 341.5  | 341.5 | 340.7  | 340.1 | 338.6 | 338.6 | 22.5°  | 401.5 | 412.6 |
| 362.4  | 362.2 | 362.2  | 362.2 | 362.2  | 362.2 | 361.7  | 361.2 | 360.2 | 360.2 | 25°    | 369.1 | 374.8 |
| 383.3  | 382.8 | 382.8  | 382.8 | 382.8  | 382.8 | 382.6  | 382.3 | 381.8 | 380.8 | 27.5°  | 328.4 | 327.1 |
| 404.6  | 404.3 | 404.3  | 404.3 | 404.3  | 404.3 | 403.9  | 403.4 | 402.4 | 402.4 | 30°    | 286.3 | 283.4 |
| 425.2  | 425.0 | 425.2  | 425.4 | 425.8  | 426.0 | 425.4  | 425.0 | 424.0 | 423.0 | 32.5°  | 270.9 | 261.0 |
| 443.9  | 443.7 | 444.1  | 444.6 | 445.1  | 445.6 | 445.4  | 445.1 | 444.6 | 443.7 | 35°    | 247.0 | 244.2 |
| 460.3  | 460.3 | 460.8  | 461.3 | 461.8  | 462.3 | 462.1  | 461.8 | 461.3 | 460.3 | 37.5°  | 238.6 | 262.5 |
| 477.0  | 477.0 | 477.2  | 477.4 | 477.8  | 478.0 | 477.8  | 477.4 | 477.0 | 476.0 | 40°    | 228.8 | 258.3 |
| 493.9  | 493.7 | 493.9  | 494.2 | 494.4  | 494.7 | 494.4  | 494.2 | 493.7 | 493.7 | 42.5°  | 220.4 | 237.2 |
| 507.6  | 507.5 | 507.9  | 508.4 | 508.9  | 509.4 | 509.4  | 509.4 | 509.4 | 509.4 | 45°    | 204.9 | 211.9 |
| 520.2  | 520.2 | 520.7  | 521.2 | 521.6  | 522.2 | 522.2  | 522.2 | 522.2 | 522.2 | 47.5°  | 197.9 | 195.1 |
| 529.6  | 530.0 | 530.4  | 531.0 | 531.4  | 532.0 | 531.8  | 531.4 | 531.0 | 531.0 | 50°    | 192.2 | 192.2 |
| 539.3  | 539.8 | 540.6  | 541.3 | 541.9  | 542.8 | 542.6  | 542.3 | 541.8 | 541.8 | 52.5°  | 188.0 | 185.2 |
| 547.9  | 547.7 | 548.1  | 548.7 | 549.1  | 549.7 | 549.7  | 549.7 | 549.7 | 550.6 | 55°    | 182.4 | 179.6 |
| 554.1  | 553.5 | 553.7  | 554.1 | 554.3  | 554.5 | 554.7  | 555.1 | 555.5 | 556.5 | 57.5°  | 178.2 | 171.3 |
| 556.7  | 556.5 | 556.9  | 557.5 | 557.9  | 558.5 | 558.3  | 557.9 | 557.5 | 558.5 | 60°    | 174.0 | 167.1 |
| 558.9  | 559.5 | 560.3  | 560.9 | 561.6  | 562.4 | 562.2  | 561.9 | 561.4 | 561.4 | 62.5°  | 171.3 | 162.9 |
| 563.3  | 563.3 | 564.1  | 564.9 | 565.6  | 566.3 | 566.3  | 566.3 | 566.3 | 567.3 | 65°    | 167.1 | 158.6 |
| 565.3  | 565.3 | 565.3  | 565.3 | 565.3  | 565.3 | 565.3  | 565.3 | 565.3 | 565.3 | 67.5°  | 161.3 | 150.2 |
|        |       |        |       |        |       |        |       |       |       | 70°    | 150.2 | 140.3 |
|        |       |        |       |        |       |        |       |       |       | 72.5°  | 139.0 | 127.6 |
|        |       |        |       |        |       |        |       |       |       | 75°    | 122.1 | 112.3 |
|        |       |        |       |        |       |        |       |       |       | 77.5°  | 102.5 | 91.2  |
|        |       |        |       |        |       |        |       |       |       | 80°    | 77.2  | 70.2  |
|        |       |        |       |        |       |        |       |       |       | 82.5°  | 56.1  | 47.7  |
|        |       |        |       |        |       |        |       |       |       | 85°    | 25.2  | 18.2  |
|        |       |        |       |        |       |        |       |       |       | 87.5°  | 0.0   | 0.0   |
|        |       |        |       |        |       |        |       |       |       | 90°    | 0.0   | 0.0   |
|        |       |        |       |        |       |        |       |       |       | 92.5°  | 0.0   | 0.0   |
|        |       |        |       |        |       |        |       |       |       | 95°    | 1.0   | 1.0   |
|        |       |        |       |        |       |        |       |       |       | 97.5°  | 3.0   | 2.0   |
|        |       |        |       |        |       |        |       |       |       | 100°   | 13.7  | 9.8   |
|        |       |        |       |        |       |        |       |       |       | 102.5° | 37.3  | 31.4  |
|        |       |        |       |        |       |        |       |       |       | 105°   | 59.8  | 55.0  |
|        |       |        |       |        |       |        |       |       |       | 107.5° | 82.5  | 78.5  |
|        |       |        |       |        |       |        |       |       |       | 110°   | 104.0 | 101.1 |



REPORT NUMBER: P271597

CATALOG NUMBER: ISS-AF-800-LED-E1-1

0-LED-E1-T2-7027-ULG

**tinued):**

| 175°  | 180°  |
|-------|-------|
| 555.7 | 555.7 |
| 495.4 | 494.0 |
| 419.6 | 416.8 |
| 385.9 | 384.6 |
| 385.9 | 385.9 |
| 402.8 | 402.8 |
| 422.5 | 422.5 |
| 436.5 | 437.8 |
| 440.7 | 442.1 |
| 419.6 | 419.6 |
| 378.9 | 378.9 |
| 325.5 | 331.3 |
| 277.8 | 283.4 |
| 247.0 | 251.3 |
| 237.2 | 238.6 |
| 261.0 | 262.5 |
| 256.8 | 259.6 |
| 220.4 | 221.7 |
| 197.9 | 197.9 |
| 189.5 | 188.0 |
| 189.5 | 186.7 |
| 195.1 | 193.7 |
| 186.7 | 186.7 |
| 182.4 | 182.4 |
| 178.2 | 178.2 |
| 176.9 | 175.3 |
| 176.9 | 174.0 |
| 174.0 | 169.8 |
| 164.2 | 153.0 |
| 140.3 | 130.5 |
| 113.6 | 112.3 |
| 88.4  | 89.8  |
| 67.4  | 67.4  |
| 49.0  | 40.7  |
| 14.0  | 14.0  |
| 0.0   | 0.0   |
| 0.0   | 0.0   |
| 0.0   | 0.0   |
| 1.0   | 1.0   |
| 2.0   | 2.0   |
| 7.8   | 7.8   |
| 27.5  | 27.5  |
| 53.0  | 53.0  |
| 75.5  | 76.5  |
| 100.1 | 99.2  |

**CANDELA DISTRIBUTION (continued):**

|        | 155°  | 165°  | 175°  |
|--------|-------|-------|-------|
| 112.5° | 126.6 | 123.7 | 121.7 |
| 115°   | 148.2 | 146.2 | 144.3 |
| 117.5° | 170.8 | 168.8 | 166.8 |
| 120°   | 194.3 | 192.3 | 191.4 |
| 122.5° | 218.8 | 216.9 | 216.0 |
| 125°   | 243.4 | 242.5 | 241.5 |
| 127.5° | 267.0 | 265.0 | 264.0 |
| 130°   | 288.5 | 287.5 | 286.6 |
| 132.5° | 312.1 | 311.2 | 308.2 |
| 135°   | 334.7 | 332.7 | 330.8 |
| 137.5° | 357.3 | 356.3 | 353.3 |
| 140°   | 378.8 | 377.8 | 375.9 |
| 142.5° | 399.5 | 400.5 | 398.5 |
| 145°   | 420.0 | 420.0 | 418.1 |
| 147.5° | 439.7 | 438.7 | 435.8 |
| 150°   | 456.4 | 455.4 | 453.5 |
| 152.5° | 473.0 | 474.0 | 471.1 |
| 155°   | 491.7 | 492.7 | 490.7 |
| 157.5° | 506.5 | 507.5 | 505.5 |
| 160°   | 519.2 | 519.2 | 517.2 |
| 162.5° | 528.0 | 529.0 | 526.0 |
| 165°   | 537.8 | 538.8 | 536.8 |
| 167.5° | 547.7 | 548.7 | 545.7 |
| 170°   | 554.5 | 555.5 | 552.5 |
| 172.5° | 556.5 | 558.5 | 555.5 |
| 175°   | 558.5 | 559.5 | 558.5 |
| 177.5° | 563.3 | 564.3 | 562.4 |
| 180°   | 565.3 | 565.3 | 565.3 |



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|       |
|-------|
| 180°  |
| <hr/> |
| 121.7 |
| 143.3 |
| 165.8 |
| 189.5 |
| 215.0 |
| 239.5 |
| 262.0 |
| 284.7 |
| 307.2 |
| 329.8 |
| 352.3 |
| 375.0 |
| 396.5 |
| 417.2 |
| 435.8 |
| 452.5 |
| 470.2 |
| 489.8 |
| 503.5 |
| 515.3 |
| 525.1 |
| 535.9 |
| 544.7 |
| 551.6 |
| 554.5 |
| 556.5 |
| 561.4 |
| 565.3 |

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