

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: P227233

Luminaire Tested: **IST-AF-1000-LED-E1-SLL-7050-ULG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P227233  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35948)-DOWNLIGHT AND  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: IST-AF-1000-LED-E1-SLL-7050-ULG  
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE WITH UPLIGHT  
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT, WITH  
UPLIGHT GLOW  
Light Source: (16) 5000K CCT, 70 CRI LEDs and (1) UPLIGHT LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6957.9 lumens  
Efficiency: N/A  
Efficacy: 97.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U5 - G2

Input Watts (W): 71.3  
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

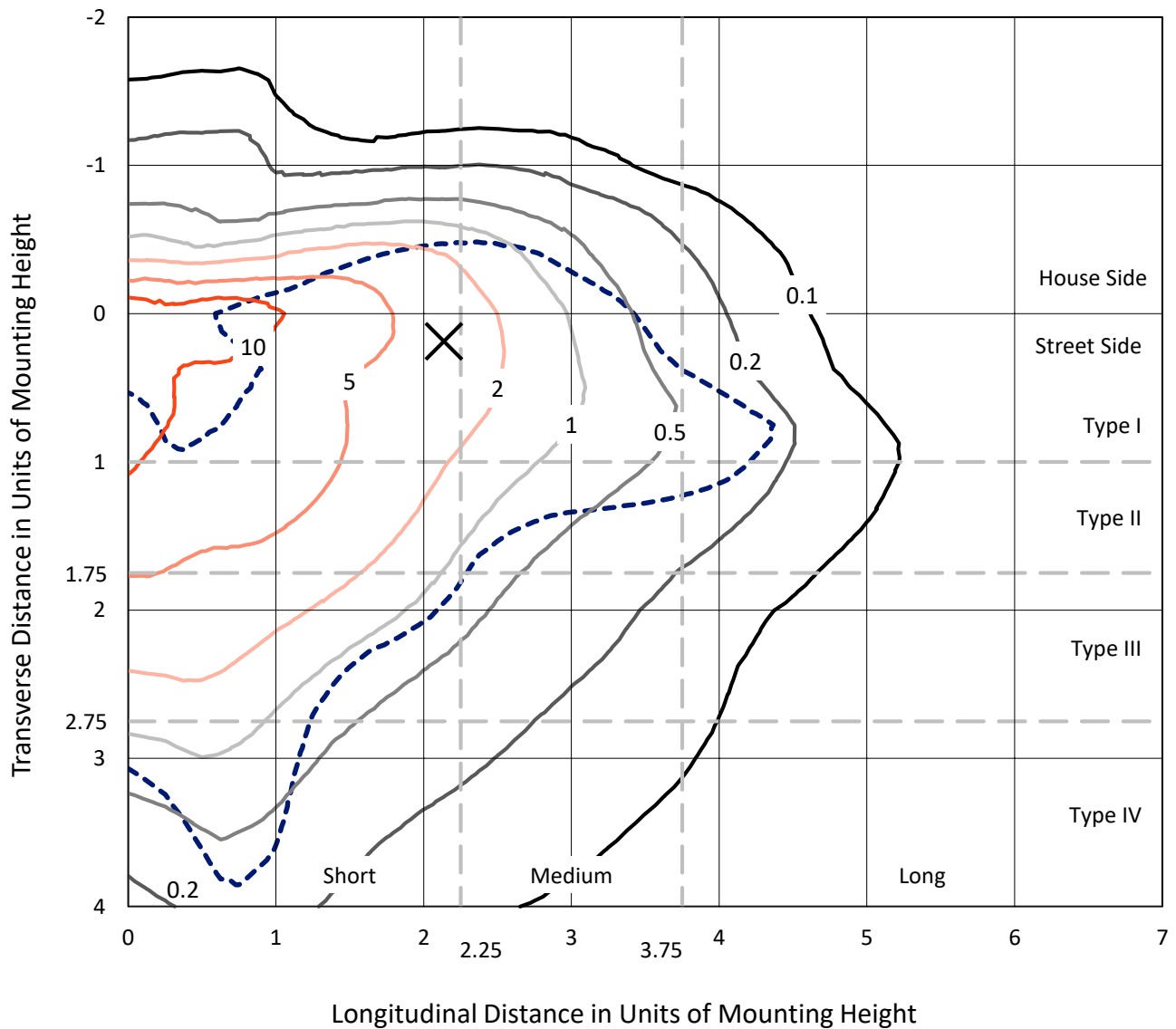


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### Iso-Footcandle Lines of Horizontal Illumination

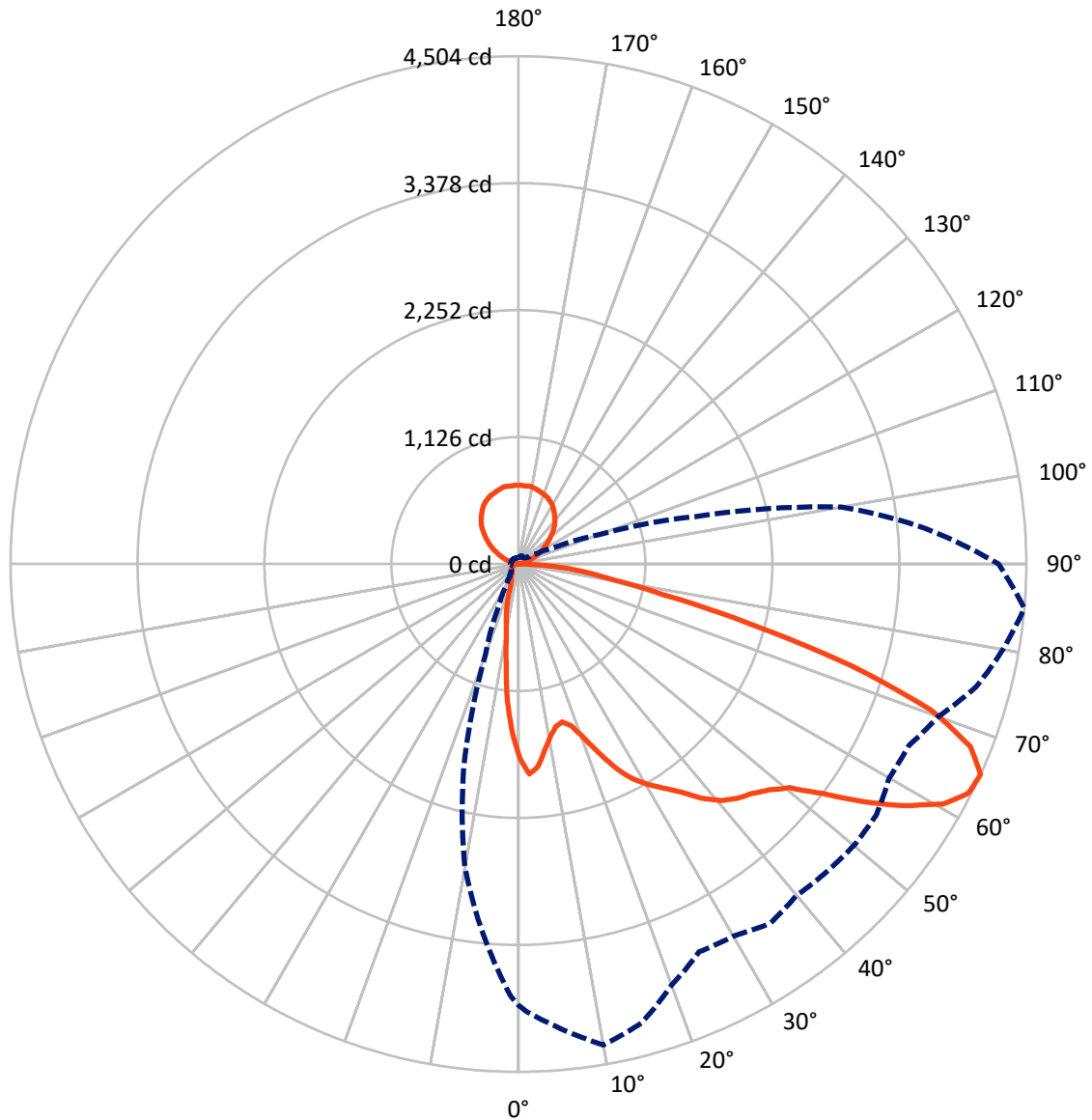
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.9 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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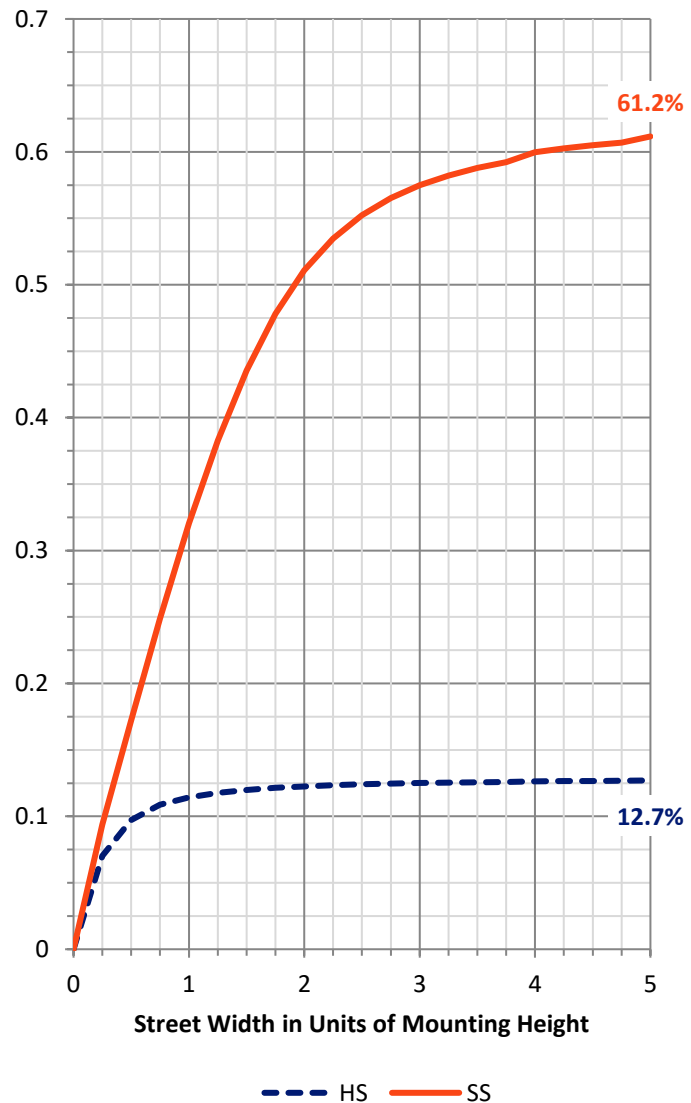
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 896.2    | 867.6  | 1763.8 |
|                    | % Fixture | 12.9     | 12.5   | 25.3   |
| <b>Street Side</b> | Lumens    | 4326.4   | 867.8  | 5194.1 |
|                    | % Fixture | 62.2     | 12.5   | 74.7   |
| <b>Total</b>       | Lumens    | 5222.6   | 1735.4 | 6957.9 |
|                    | % Fixture | 75.1     | 24.9   | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 127.8  | 1.8       |
| 10°-20°   | 245.9  | 3.5       |
| 20°-30°   | 350.6  | 5.0       |
| 30°-40°   | 508.7  | 7.3       |
| 40°-50°   | 727.7  | 10.5      |
| 50°-60°   | 1117.3 | 16.1      |
| 60°-70°   | 1293.3 | 18.6      |
| 70°-80°   | 659.8  | 9.5       |
| 80°-90°   | 191.4  | 2.8       |
| 90°-100°  | 9.5    | 0.1       |
| 100°-110° | 57.4   | 0.8       |
| 110°-120° | 166.1  | 2.4       |
| 120°-130° | 273.2  | 3.9       |
| 130°-140° | 336.8  | 4.8       |
| 140°-150° | 344.6  | 5.0       |
| 150°-160° | 290.3  | 4.2       |
| 160°-170° | 191.2  | 2.7       |
| 170°-180° | 66.3   | 1.0       |
| 0°-90°    | 5222.6 | 75.1      |
| 0°-180°   | 6957.9 | 100.0     |

**Coefficient of Utilization**



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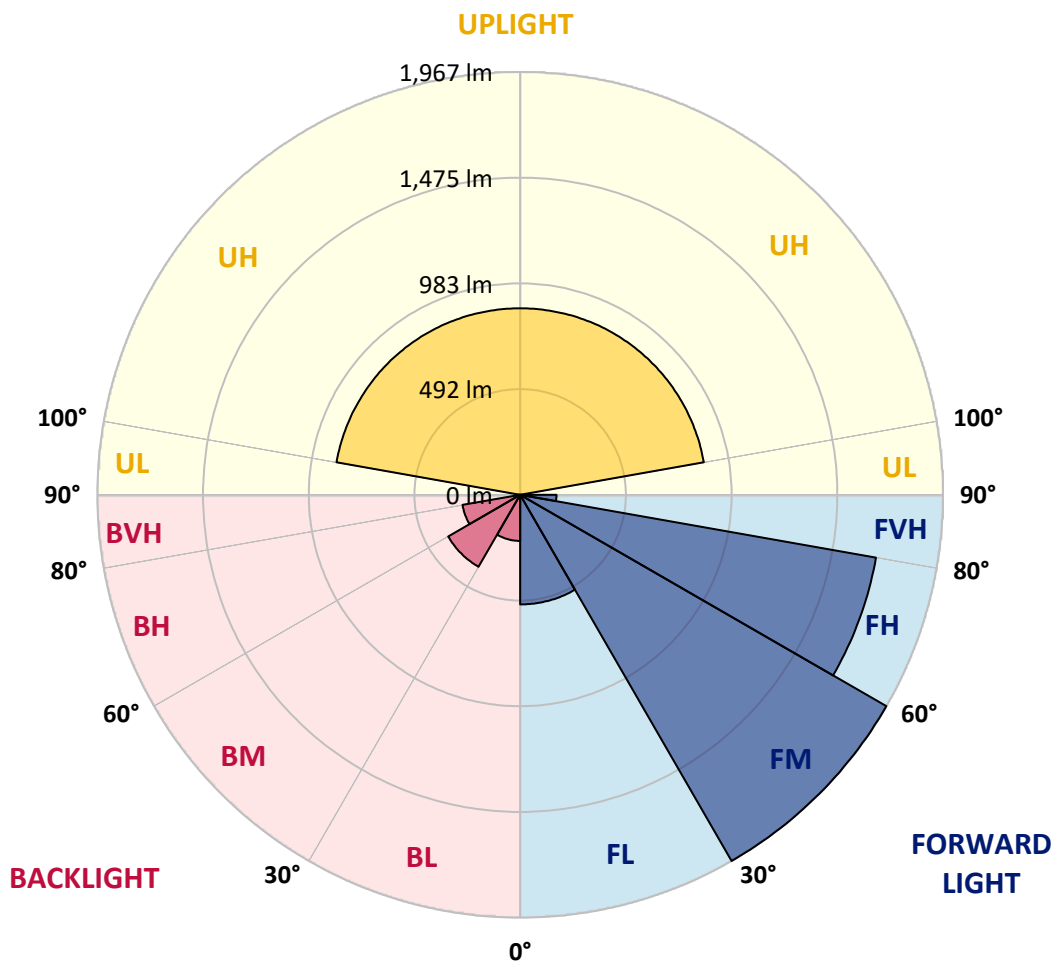
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |         |         |
|------|-------------|--------|-----------|-------------------------|---------|---------|
|      |             |        |           | B                       | U       | G       |
| FL   | (0°-30°)    | 510.0  | 7.3       |                         |         |         |
| FM   | (30°-60°)   | 1967.0 | 28.3      |                         |         |         |
| FH   | (60°-80°)   | 1680.6 | 24.2      |                         |         | G1/1800 |
| FVH  | (80°-90°)   | 168.8  | 2.4       |                         |         | G2/225  |
| BL   | (0°-30°)    | 214.4  | 3.1       | B1/500                  |         |         |
| BM   | (30°-60°)   | 386.8  | 5.6       | B1/1000                 |         |         |
| BH   | (60°-80°)   | 272.4  | 3.9       | B1/500                  |         | G1/500  |
| BVH  | (80°-90°)   | 22.6   | 0.3       |                         |         | G1/100  |
| UL   | (90°-100°)  | 9.5    | 0.1       |                         | U1/10   |         |
| UH   | (100°-180°) | 867.6  | 12.5      |                         | U4/1000 |         |

**BUG Rating: B1-U5-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 1°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 |
| 2.5°   | 1785.7 | 1787.5 | 1812.1 | 1835.8 | 1865.7 | 1861.3 | 1885.9 | 1904.3 | 1921.0 | 1923.7 | 1936.0 |
| 5°     | 1676.7 | 1694.3 | 1749.7 | 1797.1 | 1856.9 | 1903.5 | 1953.6 | 1993.1 | 2022.1 | 2049.3 | 2052.9 |
| 7.5°   | 1523.8 | 1537.0 | 1601.2 | 1675.9 | 1762.0 | 1823.5 | 1899.1 | 1965.0 | 2011.6 | 2055.5 | 2065.2 |
| 10°    | 1392.9 | 1405.2 | 1476.4 | 1573.0 | 1648.6 | 1728.6 | 1806.8 | 1860.4 | 1921.0 | 1958.8 | 1977.3 |
| 12.5°  | 1329.6 | 1344.5 | 1412.2 | 1500.1 | 1577.4 | 1654.8 | 1713.6 | 1760.2 | 1794.5 | 1801.5 | 1806.8 |
| 15°    | 1354.2 | 1362.1 | 1436.8 | 1515.0 | 1576.5 | 1615.2 | 1631.0 | 1659.2 | 1656.5 | 1670.6 | 1673.2 |
| 17.5°  | 1453.5 | 1450.0 | 1529.1 | 1583.6 | 1613.5 | 1609.1 | 1584.5 | 1569.5 | 1543.2 | 1535.2 | 1558.1 |
| 20°    | 1624.0 | 1636.3 | 1687.3 | 1720.7 | 1689.9 | 1618.7 | 1551.1 | 1504.5 | 1467.6 | 1455.3 | 1452.6 |
| 22.5°  | 1823.5 | 1839.3 | 1894.7 | 1877.1 | 1798.9 | 1668.8 | 1545.8 | 1471.1 | 1425.4 | 1412.2 | 1406.9 |
| 25°    | 2032.6 | 2043.2 | 2071.3 | 2011.6 | 1901.7 | 1733.0 | 1582.7 | 1478.1 | 1417.5 | 1398.2 | 1395.5 |
| 27.5°  | 2201.4 | 2211.9 | 2198.7 | 2130.2 | 1971.1 | 1805.0 | 1633.7 | 1509.8 | 1430.7 | 1411.3 | 1402.5 |
| 30°    | 2339.3 | 2344.6 | 2300.7 | 2215.4 | 2057.2 | 1885.0 | 1700.5 | 1565.1 | 1472.9 | 1428.9 | 1422.8 |
| 32.5°  | 2494.0 | 2490.5 | 2405.2 | 2287.5 | 2130.2 | 1957.1 | 1776.9 | 1627.5 | 1513.3 | 1459.7 | 1450.0 |
| 35°    | 2663.6 | 2632.9 | 2482.6 | 2358.7 | 2180.3 | 2012.4 | 1846.3 | 1693.4 | 1578.3 | 1507.1 | 1494.8 |
| 37.5°  | 2814.8 | 2783.1 | 2581.9 | 2414.9 | 2230.4 | 2055.5 | 1900.8 | 1778.7 | 1677.6 | 1612.6 | 1607.3 |
| 40°    | 2932.5 | 2893.9 | 2657.5 | 2452.7 | 2255.0 | 2087.1 | 1965.0 | 1885.9 | 1819.1 | 1766.4 | 1766.4 |
| 42.5°  | 3027.4 | 2985.2 | 2731.3 | 2496.6 | 2276.9 | 2135.5 | 2072.2 | 2044.9 | 2030.9 | 2001.9 | 2012.4 |
| 45°    | 3118.8 | 3075.8 | 2791.9 | 2524.8 | 2326.2 | 2229.5 | 2238.3 | 2262.0 | 2304.2 | 2287.5 | 2302.4 |
| 47.5°  | 3205.8 | 3163.6 | 2860.5 | 2569.6 | 2421.1 | 2398.2 | 2443.9 | 2538.8 | 2621.4 | 2686.5 | 2732.2 |
| 50°    | 3351.7 | 3301.6 | 2983.5 | 2701.4 | 2570.5 | 2581.9 | 2713.7 | 2900.0 | 3034.5 | 3094.2 | 3090.7 |
| 52.5°  | 3628.5 | 3557.3 | 3248.0 | 2947.5 | 2784.0 | 2847.3 | 3002.8 | 3237.5 | 3413.2 | 3459.8 | 3478.3 |
| 55°    | 3966.9 | 3910.6 | 3630.3 | 3273.5 | 3154.9 | 3176.8 | 3370.2 | 3635.6 | 3770.9 | 3819.2 | 3835.0 |
| 57.5°  | 4165.5 | 4150.5 | 3974.8 | 3622.4 | 3507.3 | 3498.5 | 3750.7 | 3967.7 | 4084.6 | 4130.3 | 4116.3 |
| 59°    | 4212.0 | 4216.4 | 4116.3 | 3869.3 | 3711.1 | 3691.8 | 3948.4 | 4149.6 | 4247.2 | 4261.3 | 4254.2 |
| 60°    | 4207.6 | 4232.3 | 4219.9 | 4004.6 | 3840.3 | 3815.7 | 4031.9 | 4223.5 | 4305.2 | 4327.2 | 4302.6 |
| 62.5°  | 4117.1 | 4159.3 | 4276.2 | 4253.3 | 4132.9 | 4007.3 | 4109.2 | 4248.1 | 4300.8 | 4279.7 | 4261.3 |
| 65°    | 3911.5 | 3966.9 | 4129.4 | 4331.6 | 4215.6 | 3973.0 | 3794.6 | 3810.4 | 3890.4 | 3837.7 | 3863.2 |
| 67.5°  | 3556.5 | 3619.7 | 3705.9 | 4164.6 | 3995.9 | 3589.0 | 3282.3 | 3132.0 | 3094.2 | 3145.2 | 3226.0 |
| 70°    | 2893.0 | 2934.3 | 3152.2 | 3800.8 | 3509.0 | 2950.1 | 2565.2 | 2364.8 | 2298.0 | 2415.8 | 2498.4 |
| 72.5°  | 2040.6 | 2102.1 | 2389.4 | 3145.2 | 2886.8 | 2363.1 | 1941.2 | 1756.7 | 1689.9 | 1695.2 | 1767.2 |
| 75°    | 1241.7 | 1325.2 | 1669.7 | 2487.0 | 2275.2 | 1810.3 | 1479.0 | 1346.3 | 1326.1 | 1314.7 | 1302.4 |
| 77.5°  | 819.0  | 850.7  | 1097.6 | 1716.3 | 1534.4 | 1287.4 | 1109.9 | 1164.4 | 1225.0 | 1238.2 | 1254.0 |
| 80°    | 555.4  | 565.1  | 711.8  | 1203.9 | 1010.6 | 950.9  | 897.2  | 1025.5 | 1140.7 | 1161.8 | 1150.3 |
| 82.5°  | 341.8  | 370.8  | 496.5  | 812.0  | 805.9  | 777.7  | 709.2  | 809.4  | 885.8  | 899.0  | 922.7  |
| 85°    | 118.6  | 123.9  | 304.9  | 717.1  | 819.0  | 827.8  | 584.4  | 461.4  | 518.5  | 508.8  | 365.6  |
| 87.5°  | 51.0   | 57.1   | 94.9   | 479.8  | 554.5  | 458.7  | 267.2  | 237.3  | 182.8  | 102.8  | 99.3   |
| 90°    | 8.5    | 8.5    | 7.6    | 10.4   | 20.2   | 16.3   | 15.9   | 10.6   | 8.0    | 7.5    | 7.0    |
| 92.5°  | 4.0    | 4.0    | 4.0    | 4.5    | 5.0    | 5.5    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    |
| 95°    | 5.0    | 5.0    | 5.0    | 5.5    | 6.0    | 6.5    | 7.0    | 7.0    | 7.0    | 7.0    | 7.0    |
| 97.5°  | 7.0    | 7.0    | 7.0    | 7.5    | 8.0    | 8.0    | 8.0    | 8.5    | 9.0    | 9.0    | 9.0    |
| 100°   | 8.0    | 8.0    | 8.0    | 8.5    | 9.0    | 9.5    | 10.0   | 11.0   | 12.0   | 16.5   | 21.0   |
| 102.5° | 11.0   | 11.0   | 11.0   | 12.0   | 13.0   | 15.5   | 18.0   | 22.5   | 27.0   | 33.5   | 40.0   |
| 105°   | 21.0   | 21.2   | 22.0   | 24.5   | 27.0   | 31.5   | 36.0   | 42.0   | 48.0   | 55.5   | 63.0   |
| 107.5° | 41.0   | 41.2   | 42.0   | 45.5   | 49.0   | 53.5   | 58.0   | 65.5   | 73.0   | 80.5   | 88.0   |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 1°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110°   | 66.0  | 66.4  | 68.0  | 71.0  | 74.0  | 80.5  | 87.0  | 94.5  | 102.0 | 108.0 | 114.0 |
| 112.5° | 99.0  | 99.0  | 99.0  | 102.5 | 106.0 | 113.5 | 121.0 | 127.5 | 134.0 | 138.5 | 143.0 |
| 115°   | 140.0 | 139.8 | 139.0 | 143.0 | 147.0 | 153.0 | 159.0 | 163.5 | 168.0 | 171.0 | 174.0 |
| 117.5° | 184.0 | 184.0 | 184.0 | 186.5 | 189.0 | 193.0 | 197.0 | 199.5 | 202.0 | 203.5 | 205.0 |
| 120°   | 225.0 | 224.6 | 223.0 | 224.5 | 226.0 | 229.5 | 233.0 | 235.0 | 237.0 | 240.0 | 243.0 |
| 122.5° | 263.0 | 262.4 | 260.0 | 260.5 | 261.0 | 264.0 | 267.0 | 269.0 | 271.0 | 274.0 | 277.0 |
| 125°   | 298.0 | 297.2 | 294.0 | 295.0 | 296.0 | 297.5 | 299.0 | 302.0 | 305.0 | 307.5 | 310.0 |
| 127.5° | 330.0 | 329.8 | 329.0 | 329.0 | 329.0 | 331.0 | 333.0 | 336.0 | 339.0 | 339.5 | 340.0 |
| 130°   | 363.0 | 362.6 | 361.0 | 361.5 | 362.0 | 364.0 | 366.0 | 368.0 | 370.0 | 371.0 | 372.0 |
| 132.5° | 396.0 | 395.6 | 394.0 | 393.5 | 393.0 | 397.0 | 401.0 | 402.5 | 404.0 | 404.5 | 405.0 |
| 135°   | 429.0 | 428.4 | 426.0 | 426.0 | 426.0 | 429.0 | 432.0 | 433.5 | 435.0 | 436.0 | 437.0 |
| 137.5° | 460.0 | 459.4 | 457.0 | 458.0 | 459.0 | 459.5 | 460.0 | 462.0 | 464.0 | 466.0 | 468.0 |
| 140°   | 488.0 | 487.4 | 485.0 | 486.0 | 487.0 | 488.0 | 489.0 | 490.0 | 491.0 | 494.0 | 497.0 |
| 142.5° | 518.0 | 517.4 | 515.0 | 516.0 | 517.0 | 517.5 | 518.0 | 519.5 | 521.0 | 523.0 | 525.0 |
| 145°   | 550.0 | 549.2 | 546.0 | 545.0 | 544.0 | 545.5 | 547.0 | 548.5 | 550.0 | 550.5 | 551.0 |
| 147.5° | 575.0 | 574.4 | 572.0 | 571.5 | 571.0 | 572.5 | 574.0 | 574.0 | 574.0 | 574.5 | 575.0 |
| 150°   | 595.0 | 594.4 | 592.0 | 592.5 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 |
| 152.5° | 611.0 | 610.4 | 608.0 | 608.0 | 608.0 | 608.5 | 609.0 | 609.5 | 610.0 | 610.0 | 610.0 |
| 155°   | 629.0 | 628.2 | 625.0 | 625.0 | 625.0 | 626.0 | 627.0 | 628.5 | 630.0 | 629.0 | 628.0 |
| 157.5° | 646.0 | 645.4 | 643.0 | 643.0 | 643.0 | 643.5 | 644.0 | 645.0 | 646.0 | 645.5 | 645.0 |
| 160°   | 663.0 | 662.4 | 660.0 | 659.5 | 659.0 | 657.5 | 656.0 | 655.5 | 655.0 | 655.0 | 655.0 |
| 162.5° | 673.0 | 672.2 | 669.0 | 669.0 | 669.0 | 667.0 | 665.0 | 663.0 | 661.0 | 662.0 | 663.0 |
| 165°   | 681.0 | 680.4 | 678.0 | 677.0 | 676.0 | 676.0 | 676.0 | 674.5 | 673.0 | 673.0 | 673.0 |
| 167.5° | 690.0 | 689.4 | 687.0 | 685.5 | 684.0 | 685.0 | 686.0 | 687.0 | 688.0 | 686.5 | 685.0 |
| 170°   | 698.0 | 697.4 | 695.0 | 693.5 | 692.0 | 692.0 | 692.0 | 692.5 | 693.0 | 692.0 | 691.0 |
| 172.5° | 699.0 | 698.6 | 697.0 | 696.0 | 695.0 | 694.0 | 693.0 | 691.5 | 690.0 | 690.0 | 690.0 |
| 175°   | 700.0 | 699.6 | 698.0 | 697.5 | 697.0 | 696.0 | 695.0 | 693.0 | 691.0 | 690.5 | 690.0 |
| 177.5° | 707.0 | 706.6 | 705.0 | 702.5 | 700.0 | 699.5 | 699.0 | 698.0 | 697.0 | 696.0 | 695.0 |
| 180°   | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 |





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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 |
| 2.5°   | 1933.3 | 1921.9 | 1928.9 | 1919.3 | 1903.5 | 1892.9 | 1880.6 | 1864.8 | 1846.3 | 1821.7 | 1797.1 |
| 5°     | 2044.9 | 2036.2 | 2014.2 | 1982.6 | 1938.6 | 1901.7 | 1857.8 | 1805.9 | 1762.9 | 1707.5 | 1655.6 |
| 7.5°   | 2054.6 | 2040.6 | 2000.1 | 1941.2 | 1873.6 | 1805.0 | 1753.2 | 1668.8 | 1614.3 | 1526.5 | 1467.6 |
| 10°    | 1966.7 | 1967.6 | 1927.2 | 1871.8 | 1801.5 | 1720.7 | 1646.0 | 1553.7 | 1473.7 | 1384.1 | 1285.7 |
| 12.5°  | 1837.5 | 1849.9 | 1851.6 | 1802.4 | 1733.9 | 1648.6 | 1565.1 | 1477.2 | 1377.9 | 1282.2 | 1191.6 |
| 15°    | 1690.8 | 1725.9 | 1728.6 | 1716.3 | 1680.2 | 1608.2 | 1531.7 | 1452.6 | 1351.6 | 1247.0 | 1145.1 |
| 17.5°  | 1559.9 | 1593.2 | 1624.0 | 1652.1 | 1653.9 | 1619.6 | 1573.0 | 1505.4 | 1404.3 | 1281.3 | 1161.8 |
| 20°    | 1460.5 | 1496.6 | 1549.3 | 1601.2 | 1658.3 | 1675.9 | 1679.4 | 1636.3 | 1528.2 | 1377.9 | 1216.2 |
| 22.5°  | 1419.2 | 1461.4 | 1515.0 | 1612.6 | 1713.6 | 1776.0 | 1811.2 | 1811.2 | 1697.8 | 1522.1 | 1305.9 |
| 25°    | 1410.5 | 1444.7 | 1526.5 | 1647.7 | 1783.1 | 1892.0 | 1958.8 | 2003.6 | 1921.9 | 1707.5 | 1416.6 |
| 27.5°  | 1416.6 | 1463.2 | 1564.2 | 1688.2 | 1829.6 | 1969.4 | 2079.2 | 2157.4 | 2081.0 | 1834.0 | 1519.4 |
| 30°    | 1441.2 | 1510.6 | 1615.2 | 1743.5 | 1889.4 | 2037.0 | 2169.7 | 2269.0 | 2212.8 | 1949.2 | 1617.0 |
| 32.5°  | 1484.3 | 1568.6 | 1687.3 | 1803.3 | 1948.3 | 2108.2 | 2239.2 | 2370.1 | 2328.8 | 2029.1 | 1668.8 |
| 35°    | 1548.4 | 1647.7 | 1755.8 | 1872.7 | 2011.6 | 2171.5 | 2311.2 | 2482.6 | 2467.6 | 2129.3 | 1720.7 |
| 37.5°  | 1652.1 | 1754.1 | 1853.4 | 1953.6 | 2085.4 | 2240.9 | 2414.9 | 2633.7 | 2621.4 | 2277.8 | 1804.2 |
| 40°    | 1834.9 | 1894.7 | 1968.5 | 2032.6 | 2156.6 | 2305.1 | 2491.4 | 2758.5 | 2802.5 | 2405.2 | 1878.0 |
| 42.5°  | 2061.6 | 2096.8 | 2117.9 | 2135.5 | 2198.7 | 2338.5 | 2546.7 | 2842.0 | 2914.1 | 2500.2 | 1935.1 |
| 45°    | 2350.8 | 2340.2 | 2298.0 | 2257.6 | 2250.6 | 2357.8 | 2572.2 | 2903.5 | 3001.9 | 2592.4 | 1993.1 |
| 47.5°  | 2692.6 | 2669.8 | 2554.6 | 2421.9 | 2348.1 | 2392.9 | 2617.0 | 2994.0 | 3110.0 | 2713.7 | 2065.2 |
| 50°    | 3087.2 | 3033.6 | 2845.5 | 2621.4 | 2485.2 | 2492.2 | 2730.4 | 3119.7 | 3252.4 | 2871.9 | 2199.6 |
| 52.5°  | 3452.8 | 3357.0 | 3132.9 | 2836.7 | 2641.6 | 2665.4 | 2934.3 | 3379.8 | 3544.2 | 3133.8 | 2425.5 |
| 55°    | 3775.3 | 3652.3 | 3410.6 | 3086.3 | 2909.7 | 2951.0 | 3260.3 | 3724.3 | 3879.9 | 3445.7 | 2653.9 |
| 57.5°  | 4049.5 | 3918.5 | 3680.4 | 3394.8 | 3175.1 | 3209.3 | 3551.2 | 4044.2 | 4148.8 | 3726.1 | 2872.8 |
| 59°    | 4174.3 | 4045.1 | 3825.4 | 3561.7 | 3356.1 | 3428.2 | 3756.8 | 4203.3 | 4248.1 | 3834.2 | 2956.2 |
| 60°    | 4234.9 | 4105.7 | 3912.4 | 3654.9 | 3466.8 | 3561.7 | 3865.8 | 4323.6 | 4285.0 | 3850.0 | 2987.9 |
| 62.5°  | 4230.5 | 4140.0 | 4012.6 | 3836.8 | 3802.5 | 3960.7 | 4219.9 | 4478.3 | 4310.5 | 3804.3 | 3008.1 |
| 65°    | 3883.4 | 3875.5 | 3796.4 | 3816.6 | 3959.8 | 4204.1 | 4363.2 | 4503.8 | 4257.7 | 3622.4 | 2910.6 |
| 67.5°  | 3239.2 | 3271.7 | 3282.3 | 3406.2 | 3741.0 | 4155.8 | 4295.5 | 4322.8 | 4028.4 | 3233.1 | 2607.4 |
| 70°    | 2501.0 | 2429.0 | 2547.6 | 2766.4 | 3248.9 | 3783.2 | 3981.8 | 3886.9 | 3559.1 | 2707.6 | 2129.3 |
| 72.5°  | 1770.8 | 1791.9 | 1962.3 | 2246.2 | 2737.4 | 3291.1 | 3602.2 | 3084.6 | 2677.7 | 2026.5 | 1509.8 |
| 75°    | 1332.2 | 1431.5 | 1514.2 | 1762.9 | 2223.3 | 2819.2 | 3075.8 | 2120.5 | 1744.4 | 1397.3 | 987.8  |
| 77.5°  | 1276.9 | 1269.0 | 1205.7 | 1258.4 | 1602.9 | 1974.6 | 2194.3 | 1323.5 | 1092.3 | 913.9  | 596.7  |
| 80°    | 1180.2 | 1112.5 | 997.4  | 946.5  | 1009.7 | 1268.1 | 1392.9 | 850.7  | 726.8  | 638.9  | 336.6  |
| 82.5°  | 915.7  | 870.0  | 748.7  | 745.2  | 841.9  | 900.8  | 957.9  | 602.8  | 546.6  | 517.6  | 206.5  |
| 85°    | 580.9  | 596.7  | 611.6  | 746.1  | 934.2  | 944.7  | 745.2  | 367.3  | 288.2  | 406.0  | 131.8  |
| 87.5°  | 172.2  | 280.3  | 340.1  | 577.4  | 841.9  | 844.5  | 560.7  | 120.4  | 108.1  | 126.5  | 76.5   |
| 90°    | 7.0    | 7.0    | 8.0    | 9.0    | 9.0    | 9.0    | 8.9    | 7.0    | 7.0    | 7.0    | 8.0    |
| 92.5°  | 6.5    | 7.0    | 7.0    | 7.0    | 6.5    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    |
| 95°    | 7.0    | 7.0    | 7.5    | 8.0    | 7.5    | 7.0    | 7.0    | 7.0    | 7.0    | 7.0    | 7.0    |
| 97.5°  | 10.5   | 12.0   | 11.0   | 10.0   | 9.5    | 9.0    | 8.5    | 8.0    | 8.0    | 8.0    | 8.5    |
| 100°   | 25.0   | 29.0   | 27.5   | 26.0   | 24.5   | 23.0   | 21.0   | 19.0   | 19.0   | 19.0   | 21.0   |
| 102.5° | 45.0   | 50.0   | 48.5   | 47.0   | 44.5   | 42.0   | 40.5   | 39.0   | 38.0   | 39.0   | 40.5   |
| 105°   | 67.5   | 72.0   | 71.0   | 70.0   | 67.5   | 65.0   | 63.0   | 61.0   | 61.0   | 61.0   | 63.0   |
| 107.5° | 91.5   | 95.0   | 94.5   | 94.0   | 92.0   | 90.0   | 88.5   | 87.0   | 86.0   | 87.0   | 88.5   |



REPORT NUMBER: P227233

CATALOG NUMBER: IST-AF-1000-LED-E1-SLL-7050-ULG

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110°   | 117.0 | 120.0 | 120.5 | 121.0 | 120.0 | 119.0 | 117.5 | 116.0 | 117.0 | 116.0 | 117.5 |
| 112.5° | 145.5 | 148.0 | 149.0 | 150.0 | 149.5 | 149.0 | 148.0 | 147.0 | 147.0 | 147.0 | 148.0 |
| 115°   | 176.5 | 179.0 | 180.5 | 182.0 | 180.5 | 179.0 | 178.0 | 177.0 | 178.0 | 177.0 | 178.0 |
| 117.5° | 208.0 | 211.0 | 213.0 | 215.0 | 212.5 | 210.0 | 209.0 | 208.0 | 209.0 | 208.0 | 209.0 |
| 120°   | 244.5 | 246.0 | 248.0 | 250.0 | 247.5 | 245.0 | 244.0 | 243.0 | 243.0 | 243.0 | 244.0 |
| 122.5° | 278.0 | 279.0 | 281.0 | 283.0 | 280.5 | 278.0 | 277.0 | 276.0 | 277.0 | 276.0 | 277.0 |
| 125°   | 311.5 | 313.0 | 314.0 | 315.0 | 312.5 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 |
| 127.5° | 342.5 | 345.0 | 345.5 | 346.0 | 346.0 | 346.0 | 345.5 | 345.0 | 347.0 | 345.0 | 345.5 |
| 130°   | 374.5 | 377.0 | 379.0 | 381.0 | 381.0 | 381.0 | 380.0 | 379.0 | 380.0 | 379.0 | 380.0 |
| 132.5° | 408.0 | 411.0 | 413.5 | 416.0 | 415.0 | 414.0 | 414.0 | 414.0 | 415.0 | 414.0 | 414.0 |
| 135°   | 440.0 | 443.0 | 445.5 | 448.0 | 447.5 | 447.0 | 448.5 | 450.0 | 451.0 | 450.0 | 448.5 |
| 137.5° | 470.5 | 473.0 | 474.0 | 475.0 | 475.5 | 476.0 | 478.5 | 481.0 | 482.0 | 481.0 | 478.5 |
| 140°   | 498.5 | 500.0 | 501.0 | 502.0 | 503.0 | 504.0 | 506.5 | 509.0 | 511.0 | 509.0 | 506.5 |
| 142.5° | 526.0 | 527.0 | 530.0 | 533.0 | 533.0 | 533.0 | 533.5 | 534.0 | 536.0 | 534.0 | 533.5 |
| 145°   | 553.5 | 556.0 | 559.0 | 562.0 | 561.5 | 561.0 | 559.5 | 558.0 | 560.0 | 558.0 | 559.5 |
| 147.5° | 577.5 | 580.0 | 582.5 | 585.0 | 585.5 | 586.0 | 584.5 | 583.0 | 585.0 | 583.0 | 584.5 |
| 150°   | 595.0 | 597.0 | 598.5 | 600.0 | 601.5 | 603.0 | 604.5 | 606.0 | 610.0 | 606.0 | 604.5 |
| 152.5° | 610.5 | 611.0 | 612.5 | 614.0 | 616.0 | 618.0 | 620.5 | 623.0 | 628.0 | 623.0 | 620.5 |
| 155°   | 627.0 | 626.0 | 628.5 | 631.0 | 633.5 | 636.0 | 637.0 | 638.0 | 641.0 | 638.0 | 637.0 |
| 157.5° | 644.5 | 644.0 | 646.0 | 648.0 | 649.0 | 650.0 | 650.0 | 650.0 | 655.0 | 650.0 | 650.0 |
| 160°   | 656.5 | 658.0 | 661.0 | 664.0 | 662.5 | 661.0 | 660.5 | 660.0 | 666.0 | 660.0 | 660.5 |
| 162.5° | 665.0 | 667.0 | 669.0 | 671.0 | 670.5 | 670.0 | 669.0 | 668.0 | 674.0 | 668.0 | 669.0 |
| 165°   | 672.5 | 672.0 | 674.5 | 677.0 | 678.5 | 680.0 | 679.0 | 678.0 | 682.0 | 678.0 | 679.0 |
| 167.5° | 681.5 | 678.0 | 681.0 | 684.0 | 686.0 | 688.0 | 688.0 | 688.0 | 694.0 | 688.0 | 688.0 |
| 170°   | 688.5 | 686.0 | 687.5 | 689.0 | 691.5 | 694.0 | 695.0 | 696.0 | 701.0 | 696.0 | 695.0 |
| 172.5° | 689.5 | 689.0 | 690.5 | 692.0 | 693.0 | 694.0 | 695.0 | 696.0 | 701.0 | 696.0 | 695.0 |
| 175°   | 690.0 | 690.0 | 692.5 | 695.0 | 695.5 | 696.0 | 695.0 | 694.0 | 699.0 | 694.0 | 695.0 |
| 177.5° | 694.5 | 694.0 | 696.5 | 699.0 | 700.0 | 701.0 | 699.5 | 698.0 | 702.0 | 698.0 | 699.5 |
| 180°   | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 |



REPORT NUMBER: P227233

CATALOG NUMBER: IST-AF-1000-LED-E1-SLL-7050-ULG

**CANDELA DISTRIBUTION (continued):**

|        | 105°   | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 |
| 2.5°   | 1771.6 | 1768.1 | 1743.5 | 1702.2 | 1705.7 | 1686.4 | 1661.8 | 1622.2 | 1614.3 | 1592.4 | 1588.9 |
| 5°     | 1611.7 | 1570.4 | 1516.8 | 1451.8 | 1427.2 | 1393.8 | 1359.5 | 1334.9 | 1304.1 | 1276.0 | 1313.8 |
| 7.5°   | 1398.2 | 1337.5 | 1275.1 | 1206.6 | 1167.0 | 1112.5 | 1083.5 | 1027.3 | 986.0  | 978.1  | 945.6  |
| 10°    | 1219.8 | 1143.3 | 1072.1 | 1010.6 | 936.8  | 885.8  | 848.9  | 818.2  | 790.0  | 755.8  | 734.7  |
| 12.5°  | 1101.1 | 1015.0 | 939.4  | 863.0  | 827.8  | 785.6  | 762.8  | 733.8  | 693.4  | 664.4  | 636.2  |
| 15°    | 1047.5 | 954.4  | 871.8  | 805.0  | 754.0  | 714.5  | 674.0  | 638.9  | 594.9  | 562.4  | 529.9  |
| 17.5°  | 1040.5 | 919.2  | 814.6  | 739.9  | 684.6  | 641.5  | 587.9  | 541.3  | 487.7  | 451.7  | 424.5  |
| 20°    | 1048.4 | 892.9  | 761.9  | 664.4  | 608.1  | 532.5  | 482.5  | 425.3  | 372.6  | 325.2  | 282.1  |
| 22.5°  | 1080.0 | 878.8  | 710.1  | 602.8  | 519.4  | 433.2  | 379.6  | 306.7  | 261.9  | 216.2  | 199.5  |
| 25°    | 1123.1 | 870.0  | 665.2  | 535.2  | 429.7  | 344.5  | 271.5  | 210.9  | 190.7  | 179.3  | 173.1  |
| 27.5°  | 1168.8 | 854.2  | 615.2  | 472.8  | 357.7  | 254.0  | 203.0  | 177.5  | 169.6  | 163.5  | 159.1  |
| 30°    | 1203.1 | 823.4  | 553.6  | 406.0  | 284.7  | 217.1  | 181.0  | 164.3  | 159.1  | 152.0  | 147.6  |
| 32.5°  | 1218.0 | 776.0  | 498.3  | 342.7  | 239.9  | 186.3  | 158.2  | 148.5  | 143.2  | 137.1  | 134.5  |
| 35°    | 1215.4 | 722.4  | 470.2  | 318.1  | 219.7  | 165.2  | 138.8  | 132.7  | 125.7  | 119.5  | 113.4  |
| 37.5°  | 1218.0 | 673.2  | 448.2  | 312.0  | 210.9  | 149.4  | 126.5  | 122.2  | 116.9  | 110.7  | 105.5  |
| 40°    | 1228.5 | 645.9  | 437.6  | 298.8  | 203.9  | 143.2  | 116.9  | 112.5  | 111.6  | 104.6  | 100.2  |
| 42.5°  | 1232.9 | 648.5  | 432.4  | 280.3  | 186.3  | 141.5  | 116.9  | 107.2  | 107.2  | 101.9  | 96.7   |
| 45°    | 1227.7 | 667.9  | 435.9  | 269.8  | 173.1  | 132.7  | 123.0  | 107.2  | 104.6  | 100.2  | 94.9   |
| 47.5°  | 1243.5 | 681.9  | 435.9  | 268.0  | 164.3  | 123.9  | 116.9  | 117.8  | 106.3  | 101.1  | 93.2   |
| 50°    | 1308.5 | 695.1  | 427.1  | 265.4  | 161.7  | 115.1  | 110.7  | 116.0  | 119.5  | 102.8  | 94.0   |
| 52.5°  | 1423.6 | 711.8  | 417.4  | 261.0  | 158.2  | 108.1  | 102.8  | 109.0  | 122.2  | 108.1  | 94.0   |
| 55°    | 1541.4 | 741.7  | 411.3  | 254.0  | 152.9  | 103.7  | 93.2   | 104.6  | 111.6  | 107.2  | 93.2   |
| 57.5°  | 1667.1 | 774.2  | 405.1  | 237.3  | 140.6  | 99.3   | 89.6   | 91.4   | 100.2  | 103.7  | 90.5   |
| 59°    | 1704.9 | 790.0  | 399.8  | 225.0  | 130.1  | 95.8   | 87.0   | 84.4   | 89.6   | 99.3   | 88.8   |
| 60°    | 1732.1 | 790.9  | 393.7  | 214.4  | 123.9  | 94.0   | 85.2   | 81.7   | 83.5   | 101.9  | 89.6   |
| 62.5°  | 1734.7 | 790.0  | 374.4  | 192.5  | 111.6  | 90.5   | 82.6   | 78.2   | 76.5   | 85.2   | 91.4   |
| 65°    | 1625.8 | 753.1  | 339.2  | 181.0  | 112.5  | 87.0   | 78.2   | 74.7   | 71.2   | 72.9   | 79.1   |
| 67.5°  | 1421.9 | 658.2  | 302.3  | 183.7  | 118.6  | 84.4   | 74.7   | 71.2   | 68.5   | 66.8   | 69.4   |
| 70°    | 1075.6 | 546.6  | 291.8  | 189.8  | 123.9  | 82.6   | 69.4   | 65.9   | 64.2   | 63.3   | 63.3   |
| 72.5°  | 745.2  | 449.9  | 280.3  | 194.2  | 128.3  | 81.7   | 64.2   | 60.6   | 59.8   | 58.9   | 58.9   |
| 75°    | 479.8  | 326.9  | 232.0  | 165.2  | 116.9  | 74.7   | 58.0   | 54.5   | 53.6   | 52.7   | 53.6   |
| 77.5°  | 283.8  | 228.5  | 170.5  | 116.0  | 85.2   | 59.8   | 50.1   | 47.5   | 47.5   | 47.5   | 48.3   |
| 80°    | 157.3  | 135.3  | 113.4  | 74.7   | 60.6   | 44.8   | 41.3   | 38.7   | 38.7   | 39.5   | 41.3   |
| 82.5°  | 94.0   | 74.7   | 64.2   | 47.5   | 41.3   | 31.6   | 30.8   | 29.0   | 29.9   | 30.8   | 32.5   |
| 85°    | 61.5   | 47.5   | 38.7   | 31.6   | 28.1   | 20.2   | 17.6   | 18.5   | 19.3   | 21.1   | 22.0   |
| 87.5°  | 34.3   | 26.4   | 21.1   | 18.5   | 16.7   | 8.8    | 7.0    | 7.0    | 8.8    | 10.5   | 12.3   |
| 90°    | 9.0    | 9.0    | 9.0    | 8.0    | 7.0    | 7.0    | 7.0    | 7.5    | 8.0    | 8.0    | 8.0    |
| 92.5°  | 6.0    | 6.5    | 7.0    | 7.0    | 7.0    | 6.5    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    |
| 95°    | 7.0    | 7.5    | 8.0    | 7.5    | 7.0    | 7.0    | 7.0    | 7.0    | 7.0    | 7.0    | 7.0    |
| 97.5°  | 9.0    | 9.5    | 10.0   | 11.0   | 12.0   | 10.5   | 9.0    | 9.0    | 9.0    | 8.5    | 8.0    |
| 100°   | 23.0   | 24.5   | 26.0   | 27.5   | 29.0   | 25.0   | 21.0   | 16.5   | 12.0   | 11.0   | 10.0   |
| 102.5° | 42.0   | 44.5   | 47.0   | 48.5   | 50.0   | 45.0   | 40.0   | 33.5   | 27.0   | 22.5   | 18.0   |
| 105°   | 65.0   | 67.5   | 70.0   | 71.0   | 72.0   | 67.5   | 63.0   | 55.5   | 48.0   | 42.0   | 36.0   |
| 107.5° | 90.0   | 92.0   | 94.0   | 94.5   | 95.0   | 91.5   | 88.0   | 80.5   | 73.0   | 65.5   | 58.0   |



REPORT NUMBER: P227233  
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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|        | 105°  | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |        |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 110°   | 119.0 | 120.0 | 121.0 | 120.5 | 120.0 | 117.0 | 114.0 | 108.0 | 102.0 | 94.5  | 87.0  | 0°     |
| 112.5° | 149.0 | 149.5 | 150.0 | 149.0 | 148.0 | 145.5 | 143.0 | 138.5 | 134.0 | 127.5 | 121.0 | 2.5°   |
| 115°   | 179.0 | 180.5 | 182.0 | 180.5 | 179.0 | 176.5 | 174.0 | 171.0 | 168.0 | 163.5 | 159.0 | 5°     |
| 117.5° | 210.0 | 212.5 | 215.0 | 213.0 | 211.0 | 208.0 | 205.0 | 203.5 | 202.0 | 199.5 | 197.0 | 7.5°   |
| 120°   | 245.0 | 247.5 | 250.0 | 248.0 | 246.0 | 244.5 | 243.0 | 240.0 | 237.0 | 235.0 | 233.0 | 10°    |
| 122.5° | 278.0 | 280.5 | 283.0 | 281.0 | 279.0 | 278.0 | 277.0 | 274.0 | 271.0 | 269.0 | 267.0 | 12.5°  |
| 125°   | 310.0 | 312.5 | 315.0 | 314.0 | 313.0 | 311.5 | 310.0 | 307.5 | 305.0 | 302.0 | 299.0 | 15°    |
| 127.5° | 346.0 | 346.0 | 346.0 | 345.5 | 345.0 | 342.5 | 340.0 | 339.5 | 339.0 | 336.0 | 333.0 | 17.5°  |
| 130°   | 381.0 | 381.0 | 381.0 | 379.0 | 377.0 | 374.5 | 372.0 | 371.0 | 370.0 | 368.0 | 366.0 | 20°    |
| 132.5° | 414.0 | 415.0 | 416.0 | 413.5 | 411.0 | 408.0 | 405.0 | 404.5 | 404.0 | 402.5 | 401.0 | 22.5°  |
| 135°   | 447.0 | 447.5 | 448.0 | 445.5 | 443.0 | 440.0 | 437.0 | 436.0 | 435.0 | 433.5 | 432.0 | 25°    |
| 137.5° | 476.0 | 475.5 | 475.0 | 474.0 | 473.0 | 470.5 | 468.0 | 466.0 | 464.0 | 462.0 | 460.0 | 27.5°  |
| 140°   | 504.0 | 503.0 | 502.0 | 501.0 | 500.0 | 498.5 | 497.0 | 494.0 | 491.0 | 490.0 | 489.0 | 30°    |
| 142.5° | 533.0 | 533.0 | 533.0 | 530.0 | 527.0 | 526.0 | 525.0 | 523.0 | 521.0 | 519.5 | 518.0 | 32.5°  |
| 145°   | 561.0 | 561.5 | 562.0 | 559.0 | 556.0 | 553.5 | 551.0 | 550.5 | 550.0 | 548.5 | 547.0 | 35°    |
| 147.5° | 586.0 | 585.5 | 585.0 | 582.5 | 580.0 | 577.5 | 575.0 | 574.5 | 574.0 | 574.0 | 574.0 | 37.5°  |
| 150°   | 603.0 | 601.5 | 600.0 | 598.5 | 597.0 | 595.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 40°    |
| 152.5° | 618.0 | 616.0 | 614.0 | 612.5 | 611.0 | 610.5 | 610.0 | 610.0 | 610.0 | 609.5 | 609.0 | 42.5°  |
| 155°   | 636.0 | 633.5 | 631.0 | 628.5 | 626.0 | 627.0 | 628.0 | 629.0 | 630.0 | 628.5 | 627.0 | 45°    |
| 157.5° | 650.0 | 649.0 | 648.0 | 646.0 | 644.0 | 644.5 | 645.0 | 645.5 | 646.0 | 645.0 | 644.0 | 47.5°  |
| 160°   | 661.0 | 662.5 | 664.0 | 661.0 | 658.0 | 656.5 | 655.0 | 655.0 | 655.0 | 655.5 | 656.0 | 50°    |
| 162.5° | 670.0 | 670.5 | 671.0 | 669.0 | 667.0 | 665.0 | 663.0 | 662.0 | 661.0 | 663.0 | 665.0 | 52.5°  |
| 165°   | 680.0 | 678.5 | 677.0 | 674.5 | 672.0 | 672.5 | 673.0 | 673.0 | 673.0 | 674.5 | 676.0 | 55°    |
| 167.5° | 688.0 | 686.0 | 684.0 | 681.0 | 678.0 | 681.5 | 685.0 | 686.5 | 688.0 | 687.0 | 686.0 | 57.5°  |
| 170°   | 694.0 | 691.5 | 689.0 | 687.5 | 686.0 | 688.5 | 691.0 | 692.0 | 693.0 | 692.5 | 692.0 | 59°    |
| 172.5° | 694.0 | 693.0 | 692.0 | 690.5 | 689.0 | 689.5 | 690.0 | 690.0 | 690.0 | 691.5 | 693.0 | 60°    |
| 175°   | 696.0 | 695.5 | 695.0 | 692.5 | 690.0 | 690.0 | 690.0 | 690.5 | 691.0 | 693.0 | 695.0 | 62.5°  |
| 177.5° | 701.0 | 700.0 | 699.0 | 696.5 | 694.0 | 694.5 | 695.0 | 696.0 | 697.0 | 698.0 | 699.0 | 65°    |
| 180°   | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 67.5°  |
|        |       |       |       |       |       |       |       |       |       |       |       | 70°    |
|        |       |       |       |       |       |       |       |       |       |       |       | 72.5°  |
|        |       |       |       |       |       |       |       |       |       |       |       | 75°    |
|        |       |       |       |       |       |       |       |       |       |       |       | 77.5°  |
|        |       |       |       |       |       |       |       |       |       |       |       | 80°    |
|        |       |       |       |       |       |       |       |       |       |       |       | 82.5°  |
|        |       |       |       |       |       |       |       |       |       |       |       | 85°    |
|        |       |       |       |       |       |       |       |       |       |       |       | 87.5°  |
|        |       |       |       |       |       |       |       |       |       |       |       | 90°    |
|        |       |       |       |       |       |       |       |       |       |       |       | 92.5°  |
|        |       |       |       |       |       |       |       |       |       |       |       | 95°    |
|        |       |       |       |       |       |       |       |       |       |       |       | 97.5°  |
|        |       |       |       |       |       |       |       |       |       |       |       | 100°   |
|        |       |       |       |       |       |       |       |       |       |       |       | 102.5° |
|        |       |       |       |       |       |       |       |       |       |       |       | 105°   |
|        |       |       |       |       |       |       |       |       |       |       |       | 107.5° |

NUMBER: P227233  
 NUMBER: IST-AF-1000-LED-E1-SLL-7050-ULG

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

| 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 110°   | 160°  |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 110°   | 80.5  |
| 1601.2 | 1575.7 | 1548.4 | 1528.2 | 1537.0 | 1508.0 | 1510.6 | 1502.7 | 1499.2 | 1497.5 | 1479.0 | 112.5° | 113.5 |
| 1268.1 | 1277.8 | 1237.3 | 1241.7 | 1254.0 | 1224.2 | 1203.9 | 1237.3 | 1232.9 | 1203.1 | 1219.8 | 115°   | 153.0 |
| 913.9  | 916.6  | 898.1  | 856.8  | 856.8  | 878.8  | 886.7  | 902.5  | 913.1  | 950.0  | 927.1  | 117.5° | 193.0 |
| 698.6  | 674.0  | 655.6  | 637.1  | 626.6  | 604.6  | 609.9  | 629.2  | 641.5  | 662.6  | 679.3  | 120°   | 229.5 |
| 607.2  | 580.0  | 547.5  | 519.4  | 504.4  | 484.2  | 471.0  | 466.6  | 471.0  | 457.8  | 458.7  | 122.5° | 264.0 |
| 504.4  | 479.8  | 443.8  | 428.8  | 400.7  | 384.9  | 376.1  | 364.7  | 355.9  | 337.5  | 329.5  | 125°   | 297.5 |
| 391.1  | 358.5  | 321.6  | 321.6  | 301.4  | 288.2  | 284.7  | 282.1  | 276.8  | 267.2  | 257.5  | 127.5° | 331.0 |
| 260.1  | 239.0  | 217.9  | 207.4  | 209.2  | 207.4  | 202.1  | 210.9  | 210.9  | 214.4  | 212.7  | 130°   | 364.0 |
| 189.8  | 186.3  | 178.4  | 172.2  | 168.7  | 167.8  | 168.7  | 171.4  | 176.6  | 181.0  | 185.4  | 132.5° | 397.0 |
| 170.5  | 168.7  | 161.7  | 155.5  | 154.7  | 152.9  | 152.9  | 155.5  | 156.4  | 157.3  | 156.4  | 135°   | 429.0 |
| 158.2  | 154.7  | 148.5  | 144.1  | 142.4  | 141.5  | 142.4  | 139.7  | 138.0  | 138.8  | 138.0  | 137.5° | 459.5 |
| 143.2  | 140.6  | 134.5  | 130.9  | 130.1  | 130.1  | 127.4  | 126.5  | 124.8  | 125.7  | 124.8  | 140°   | 488.0 |
| 131.8  | 128.3  | 122.2  | 117.8  | 117.8  | 116.9  | 117.8  | 116.9  | 116.0  | 115.1  | 115.1  | 142.5° | 517.5 |
| 110.7  | 109.8  | 103.7  | 101.9  | 102.8  | 105.5  | 105.5  | 105.5  | 106.3  | 105.5  | 105.5  | 145°   | 545.5 |
| 102.8  | 101.9  | 95.8   | 91.4   | 90.5   | 90.5   | 90.5   | 92.3   | 94.9   | 95.8   | 97.5   | 147.5° | 572.5 |
| 97.5   | 96.7   | 90.5   | 87.0   | 85.2   | 84.4   | 83.5   | 83.5   | 84.4   | 87.9   | 90.5   | 150°   | 593.0 |
| 94.0   | 92.3   | 86.1   | 81.7   | 80.8   | 80.0   | 79.1   | 79.1   | 79.1   | 80.0   | 82.6   | 152.5° | 608.5 |
| 92.3   | 89.6   | 82.6   | 78.2   | 76.5   | 75.6   | 75.6   | 76.5   | 75.6   | 75.6   | 75.6   | 155°   | 626.0 |
| 89.6   | 87.9   | 80.8   | 75.6   | 73.8   | 73.8   | 72.9   | 72.9   | 72.9   | 71.2   | 71.2   | 157.5° | 643.5 |
| 88.8   | 86.1   | 79.1   | 73.8   | 72.1   | 71.2   | 70.3   | 71.2   | 69.4   | 68.5   | 67.7   | 160°   | 657.5 |
| 87.0   | 83.5   | 75.6   | 71.2   | 70.3   | 68.5   | 67.7   | 67.7   | 67.7   | 65.9   | 65.9   | 162.5° | 667.0 |
| 86.1   | 81.7   | 73.8   | 69.4   | 67.7   | 65.9   | 65.0   | 65.0   | 66.8   | 65.0   | 65.0   | 165°   | 676.0 |
| 85.2   | 79.1   | 71.2   | 65.9   | 65.0   | 63.3   | 62.4   | 63.3   | 65.9   | 64.2   | 63.3   | 167.5° | 685.0 |
| 81.7   | 77.3   | 69.4   | 65.0   | 63.3   | 61.5   | 60.6   | 61.5   | 63.3   | 63.3   | 63.3   | 170°   | 692.0 |
| 80.0   | 75.6   | 67.7   | 63.3   | 62.4   | 60.6   | 59.8   | 59.8   | 62.4   | 62.4   | 61.5   | 172.5° | 694.0 |
| 77.3   | 73.8   | 65.9   | 60.6   | 58.9   | 58.9   | 58.0   | 58.0   | 58.9   | 58.9   | 59.8   | 175°   | 696.0 |
| 73.8   | 72.1   | 64.2   | 58.0   | 57.1   | 56.2   | 56.2   | 56.2   | 56.2   | 58.0   | 58.0   | 177.5° | 699.5 |
| 70.3   | 69.4   | 61.5   | 56.2   | 54.5   | 54.5   | 54.5   | 54.5   | 54.5   | 55.4   | 56.2   | 180°   | 700.0 |
| 65.0   | 65.0   | 58.0   | 52.7   | 51.8   | 51.0   | 51.0   | 51.0   | 51.0   | 51.8   | 52.7   |        |       |
| 59.8   | 60.6   | 53.6   | 48.3   | 47.5   | 47.5   | 47.5   | 47.5   | 48.3   | 48.3   | 49.2   |        |       |
| 54.5   | 55.4   | 48.3   | 43.1   | 43.1   | 43.1   | 43.1   | 43.1   | 43.1   | 43.1   | 44.8   |        |       |
| 49.2   | 49.2   | 41.3   | 36.0   | 36.9   | 37.8   | 38.7   | 37.8   | 37.8   | 38.7   | 41.3   |        |       |
| 42.2   | 41.3   | 34.3   | 29.9   | 29.9   | 31.6   | 32.5   | 31.6   | 32.5   | 32.5   | 36.0   |        |       |
| 33.4   | 33.4   | 26.4   | 22.0   | 22.0   | 25.5   | 25.5   | 25.5   | 26.4   | 27.2   | 29.9   |        |       |
| 25.5   | 24.6   | 18.5   | 14.9   | 14.9   | 17.6   | 18.5   | 19.3   | 20.2   | 21.1   | 22.8   |        |       |
| 14.9   | 14.9   | 9.7    | 6.2    | 7.0    | 7.9    | 10.5   | 10.5   | 10.5   | 12.3   | 14.9   |        |       |
| 7.5    | 7.9    | 6.0    | 5.0    | 5.0    | 5.0    | 6.0    | 7.0    | 7.5    | 8.0    | 8.0    |        |       |
| 5.5    | 5.0    | 4.5    | 4.0    | 4.0    | 4.0    | 4.5    | 5.0    | 5.5    | 6.0    | 6.0    |        |       |
| 6.5    | 6.0    | 5.5    | 5.0    | 5.0    | 5.0    | 5.5    | 6.0    | 6.5    | 7.0    | 7.0    |        |       |
| 8.0    | 8.0    | 7.5    | 7.0    | 7.0    | 7.0    | 7.5    | 8.0    | 8.0    | 8.0    | 8.5    |        |       |
| 9.5    | 9.0    | 8.5    | 8.0    | 8.0    | 8.0    | 8.5    | 9.0    | 9.5    | 10.0   | 11.0   |        |       |
| 15.5   | 13.0   | 12.0   | 11.0   | 11.0   | 11.0   | 12.0   | 13.0   | 15.5   | 18.0   | 22.5   |        |       |
| 31.5   | 27.0   | 24.5   | 22.0   | 21.0   | 22.0   | 24.5   | 27.0   | 31.5   | 36.0   | 42.0   |        |       |
| 53.5   | 49.0   | 45.5   | 42.0   | 41.0   | 42.0   | 45.5   | 49.0   | 53.5   | 58.0   | 65.5   |        |       |

'227233  
 IST-AF-1000-LED-E1-SLL-7050-ULG

REPORT NUMBER: P227233  
 CATALOG NUMBER: IST-AF-10

**TION (continued):**

**CANDELA DISTRIBUTION (con**

| 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  |        | 215°   | 220°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 74.0  | 71.0  | 68.0  | 66.0  | 68.0  | 71.0  | 74.0  | 80.5  | 87.0  | 94.5  | 0°     | 1725.1 | 1725.1 |
| 106.0 | 102.5 | 99.0  | 99.0  | 99.0  | 102.5 | 106.0 | 113.5 | 121.0 | 127.5 | 2.5°   | 1494.8 | 1493.9 |
| 147.0 | 143.0 | 139.0 | 140.0 | 139.0 | 143.0 | 147.0 | 153.0 | 159.0 | 163.5 | 5°     | 1226.8 | 1218.9 |
| 189.0 | 186.5 | 184.0 | 184.0 | 184.0 | 186.5 | 189.0 | 193.0 | 197.0 | 199.5 | 7.5°   | 950.9  | 979.9  |
| 226.0 | 224.5 | 223.0 | 225.0 | 223.0 | 224.5 | 226.0 | 229.5 | 233.0 | 235.0 | 10°    | 685.5  | 705.7  |
| 261.0 | 260.5 | 260.0 | 263.0 | 260.0 | 260.5 | 261.0 | 264.0 | 267.0 | 269.0 | 12.5°  | 477.2  | 487.7  |
| 296.0 | 295.0 | 294.0 | 298.0 | 294.0 | 295.0 | 296.0 | 297.5 | 299.0 | 302.0 | 15°    | 328.7  | 349.8  |
| 329.0 | 329.0 | 329.0 | 330.0 | 329.0 | 329.0 | 329.0 | 331.0 | 333.0 | 336.0 | 17.5°  | 255.7  | 258.4  |
| 362.0 | 361.5 | 361.0 | 363.0 | 361.0 | 361.5 | 362.0 | 364.0 | 366.0 | 368.0 | 20°    | 210.9  | 212.7  |
| 393.0 | 393.5 | 394.0 | 396.0 | 394.0 | 393.5 | 393.0 | 397.0 | 401.0 | 402.5 | 22.5°  | 187.2  | 190.7  |
| 426.0 | 426.0 | 426.0 | 429.0 | 426.0 | 426.0 | 426.0 | 429.0 | 432.0 | 433.5 | 25°    | 157.3  | 160.8  |
| 459.0 | 458.0 | 457.0 | 460.0 | 457.0 | 458.0 | 459.0 | 459.5 | 460.0 | 462.0 | 27.5°  | 138.8  | 142.4  |
| 487.0 | 486.0 | 485.0 | 488.0 | 485.0 | 486.0 | 487.0 | 488.0 | 489.0 | 490.0 | 30°    | 127.4  | 129.2  |
| 517.0 | 516.0 | 515.0 | 518.0 | 515.0 | 516.0 | 517.0 | 517.5 | 518.0 | 519.5 | 32.5°  | 116.0  | 116.0  |
| 544.0 | 545.0 | 546.0 | 550.0 | 546.0 | 545.0 | 544.0 | 545.5 | 547.0 | 548.5 | 35°    | 106.3  | 107.2  |
| 571.0 | 571.5 | 572.0 | 575.0 | 572.0 | 571.5 | 571.0 | 572.5 | 574.0 | 574.0 | 37.5°  | 99.3   | 101.1  |
| 593.0 | 592.5 | 592.0 | 595.0 | 592.0 | 592.5 | 593.0 | 593.0 | 593.0 | 593.0 | 40°    | 93.2   | 94.0   |
| 608.0 | 608.0 | 608.0 | 611.0 | 608.0 | 608.0 | 608.0 | 608.5 | 609.0 | 609.5 | 42.5°  | 84.4   | 86.1   |
| 625.0 | 625.0 | 625.0 | 629.0 | 625.0 | 625.0 | 625.0 | 626.0 | 627.0 | 628.5 | 45°    | 76.5   | 77.3   |
| 643.0 | 643.0 | 643.0 | 646.0 | 643.0 | 643.0 | 643.0 | 643.5 | 644.0 | 645.0 | 47.5°  | 71.2   | 71.2   |
| 659.0 | 659.5 | 660.0 | 663.0 | 660.0 | 659.5 | 659.0 | 657.5 | 656.0 | 655.5 | 50°    | 67.7   | 68.5   |
| 669.0 | 669.0 | 669.0 | 673.0 | 669.0 | 669.0 | 669.0 | 667.0 | 665.0 | 663.0 | 52.5°  | 65.9   | 66.8   |
| 676.0 | 677.0 | 678.0 | 681.0 | 678.0 | 677.0 | 676.0 | 676.0 | 676.0 | 674.5 | 55°    | 65.0   | 66.8   |
| 684.0 | 685.5 | 687.0 | 690.0 | 687.0 | 685.5 | 684.0 | 685.0 | 686.0 | 687.0 | 57.5°  | 65.0   | 65.9   |
| 692.0 | 693.5 | 695.0 | 698.0 | 695.0 | 693.5 | 692.0 | 692.0 | 692.0 | 692.5 | 59°    | 64.2   | 65.0   |
| 695.0 | 696.0 | 697.0 | 699.0 | 697.0 | 696.0 | 695.0 | 694.0 | 693.0 | 691.5 | 60°    | 64.2   | 65.9   |
| 697.0 | 697.5 | 698.0 | 700.0 | 698.0 | 697.5 | 697.0 | 696.0 | 695.0 | 693.0 | 62.5°  | 61.5   | 63.3   |
| 700.0 | 702.5 | 705.0 | 707.0 | 705.0 | 702.5 | 700.0 | 699.5 | 699.0 | 698.0 | 65°    | 59.8   | 61.5   |
| 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 67.5°  | 57.1   | 59.8   |
|       |       |       |       |       |       |       |       |       |       | 70°    | 54.5   | 57.1   |
|       |       |       |       |       |       |       |       |       |       | 72.5°  | 51.0   | 54.5   |
|       |       |       |       |       |       |       |       |       |       | 75°    | 47.5   | 50.1   |
|       |       |       |       |       |       |       |       |       |       | 77.5°  | 43.1   | 45.7   |
|       |       |       |       |       |       |       |       |       |       | 80°    | 37.8   | 38.7   |
|       |       |       |       |       |       |       |       |       |       | 82.5°  | 31.6   | 31.6   |
|       |       |       |       |       |       |       |       |       |       | 85°    | 23.7   | 21.1   |
|       |       |       |       |       |       |       |       |       |       | 87.5°  | 13.2   | 14.1   |
|       |       |       |       |       |       |       |       |       |       | 90°    | 8.0    | 7.5    |
|       |       |       |       |       |       |       |       |       |       | 92.5°  | 6.0    | 6.0    |
|       |       |       |       |       |       |       |       |       |       | 95°    | 7.0    | 7.0    |
|       |       |       |       |       |       |       |       |       |       | 97.5°  | 9.0    | 9.0    |
|       |       |       |       |       |       |       |       |       |       | 100°   | 12.0   | 16.5   |
|       |       |       |       |       |       |       |       |       |       | 102.5° | 27.0   | 33.5   |
|       |       |       |       |       |       |       |       |       |       | 105°   | 48.0   | 55.5   |
|       |       |       |       |       |       |       |       |       |       | 107.5° | 73.0   | 80.5   |



REPORT NUMBER: P227233

CATALOG NUMBER: IST-AF-1000-LED-E1

00-LED-E1-SLL-7050-ULG

**tinued):**

**CANDELA DISTRIBUTION (continued):**

| 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   |        | 215°  | 220°  | 225°  |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 110°   | 102.0 | 108.0 | 114.0 |
| 1475.5 | 1475.5 | 1501.9 | 1504.5 | 1473.7 | 1481.6 | 1496.6 | 1479.0 | 1498.3 | 112.5° | 134.0 | 138.5 | 143.0 |
| 1238.2 | 1227.7 | 1228.5 | 1221.5 | 1233.8 | 1219.8 | 1234.7 | 1229.4 | 1225.0 | 115°   | 168.0 | 171.0 | 174.0 |
| 961.4  | 979.9  | 966.7  | 941.2  | 961.4  | 945.6  | 915.7  | 918.3  | 884.9  | 117.5° | 202.0 | 203.5 | 205.0 |
| 722.4  | 709.2  | 702.2  | 689.9  | 657.3  | 663.5  | 630.1  | 635.4  | 646.8  | 120°   | 237.0 | 240.0 | 243.0 |
| 498.3  | 488.6  | 500.0  | 492.1  | 478.9  | 481.6  | 488.6  | 495.6  | 514.1  | 122.5° | 271.0 | 274.0 | 277.0 |
| 349.8  | 345.4  | 342.7  | 348.0  | 362.9  | 370.8  | 382.3  | 403.4  | 413.9  | 125°   | 305.0 | 307.5 | 310.0 |
| 262.8  | 263.6  | 261.0  | 268.9  | 281.2  | 287.4  | 290.0  | 291.8  | 304.1  | 127.5° | 339.0 | 339.5 | 340.0 |
| 217.1  | 220.6  | 219.7  | 222.3  | 218.8  | 215.3  | 217.9  | 212.7  | 208.3  | 130°   | 370.0 | 371.0 | 372.0 |
| 189.8  | 190.7  | 186.3  | 185.4  | 180.2  | 175.8  | 172.2  | 172.2  | 170.5  | 132.5° | 404.0 | 404.5 | 405.0 |
| 160.8  | 161.7  | 157.3  | 157.3  | 156.4  | 159.1  | 157.3  | 153.8  | 152.9  | 135°   | 435.0 | 436.0 | 437.0 |
| 144.1  | 142.4  | 139.7  | 139.7  | 138.0  | 138.0  | 138.8  | 139.7  | 138.8  | 137.5° | 464.0 | 466.0 | 468.0 |
| 129.2  | 127.4  | 126.5  | 127.4  | 126.5  | 127.4  | 128.3  | 127.4  | 128.3  | 140°   | 491.0 | 494.0 | 497.0 |
| 118.6  | 116.9  | 116.9  | 117.8  | 116.9  | 117.8  | 117.8  | 117.8  | 116.9  | 142.5° | 521.0 | 523.0 | 525.0 |
| 109.8  | 108.1  | 108.1  | 108.1  | 107.2  | 105.5  | 103.7  | 101.1  | 98.4   | 145°   | 550.0 | 550.5 | 551.0 |
| 102.8  | 101.9  | 100.2  | 99.3   | 96.7   | 91.4   | 89.6   | 89.6   | 89.6   | 147.5° | 574.0 | 574.5 | 575.0 |
| 96.7   | 94.9   | 94.0   | 90.5   | 87.0   | 85.2   | 85.2   | 85.2   | 85.2   | 150°   | 593.0 | 593.0 | 593.0 |
| 88.8   | 86.1   | 84.4   | 83.5   | 82.6   | 82.6   | 81.7   | 81.7   | 81.7   | 152.5° | 610.0 | 610.0 | 610.0 |
| 79.1   | 78.2   | 78.2   | 79.1   | 79.1   | 79.1   | 79.1   | 78.2   | 79.1   | 155°   | 630.0 | 629.0 | 628.0 |
| 72.9   | 72.9   | 73.8   | 74.7   | 75.6   | 76.5   | 77.3   | 76.5   | 77.3   | 157.5° | 646.0 | 645.5 | 645.0 |
| 70.3   | 70.3   | 70.3   | 72.1   | 72.9   | 73.8   | 75.6   | 75.6   | 75.6   | 160°   | 655.0 | 655.0 | 655.0 |
| 68.5   | 68.5   | 69.4   | 70.3   | 71.2   | 72.1   | 72.9   | 73.8   | 74.7   | 162.5° | 661.0 | 662.0 | 663.0 |
| 67.7   | 68.5   | 67.7   | 68.5   | 69.4   | 71.2   | 72.1   | 72.1   | 72.9   | 165°   | 673.0 | 673.0 | 673.0 |
| 67.7   | 67.7   | 67.7   | 67.7   | 69.4   | 70.3   | 69.4   | 70.3   | 71.2   | 167.5° | 688.0 | 686.5 | 685.0 |
| 67.7   | 67.7   | 66.8   | 67.7   | 68.5   | 69.4   | 68.5   | 68.5   | 70.3   | 170°   | 693.0 | 692.0 | 691.0 |
| 66.8   | 67.7   | 66.8   | 66.8   | 67.7   | 68.5   | 67.7   | 68.5   | 69.4   | 172.5° | 690.0 | 690.0 | 690.0 |
| 65.0   | 65.9   | 65.0   | 65.9   | 65.9   | 66.8   | 66.8   | 66.8   | 67.7   | 175°   | 691.0 | 690.5 | 690.0 |
| 63.3   | 63.3   | 63.3   | 64.2   | 64.2   | 65.0   | 65.0   | 65.9   | 65.0   | 177.5° | 697.0 | 696.0 | 695.0 |
| 61.5   | 61.5   | 61.5   | 62.4   | 62.4   | 63.3   | 64.2   | 63.3   | 63.3   | 180°   | 700.0 | 700.0 | 700.0 |
| 59.8   | 58.9   | 58.0   | 58.9   | 59.8   | 59.8   | 60.6   | 59.8   | 60.6   |        |       |       |       |
| 57.1   | 56.2   | 55.4   | 55.4   | 56.2   | 56.2   | 57.1   | 56.2   | 56.2   |        |       |       |       |
| 52.7   | 52.7   | 51.0   | 51.0   | 51.0   | 51.0   | 51.8   | 51.0   | 50.1   |        |       |       |       |
| 47.5   | 47.5   | 45.7   | 45.7   | 45.7   | 45.7   | 44.8   | 44.8   | 44.8   |        |       |       |       |
| 39.5   | 40.4   | 40.4   | 39.5   | 39.5   | 38.7   | 38.7   | 37.8   | 36.9   |        |       |       |       |
| 29.9   | 31.6   | 32.5   | 32.5   | 32.5   | 32.5   | 32.5   | 30.8   | 29.0   |        |       |       |       |
| 21.1   | 23.7   | 26.4   | 26.4   | 25.5   | 25.5   | 25.5   | 22.8   | 20.2   |        |       |       |       |
| 13.2   | 15.8   | 16.7   | 18.5   | 15.8   | 14.9   | 14.9   | 13.2   | 12.3   |        |       |       |       |
| 7.0    | 7.0    | 8.8    | 8.9    | 11.6   | 11.6   | 12.5   | 9.8    | 7.9    |        |       |       |       |
| 6.0    | 6.5    | 7.0    | 7.0    | 7.0    | 6.5    | 6.0    | 6.0    | 6.0    |        |       |       |       |
| 7.0    | 7.0    | 7.0    | 7.5    | 8.0    | 7.5    | 7.0    | 7.0    | 7.0    |        |       |       |       |
| 9.0    | 10.5   | 12.0   | 11.0   | 10.0   | 9.5    | 9.0    | 8.5    | 8.0    |        |       |       |       |
| 21.0   | 25.0   | 29.0   | 27.5   | 26.0   | 24.5   | 23.0   | 21.0   | 19.0   |        |       |       |       |
| 40.0   | 45.0   | 50.0   | 48.5   | 47.0   | 44.5   | 42.0   | 40.5   | 39.0   |        |       |       |       |
| 63.0   | 67.5   | 72.0   | 71.0   | 70.0   | 67.5   | 65.0   | 63.0   | 61.0   |        |       |       |       |
| 88.0   | 91.5   | 95.0   | 94.5   | 94.0   | 92.0   | 90.0   | 88.5   | 87.0   |        |       |       |       |





REPORT NUMBER: P227233

CATALOG NUMBER: IST-AF-1000-LED-E1-SLL-7050-

-SLL-7050-ULG

**CANDELA DISTRIBUTION (continued):**

| 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  |        | 270°   | 275°   | 280°   | 285°   |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 117.0 | 120.0 | 120.5 | 121.0 | 120.0 | 119.0 | 117.5 | 116.0 | 0°     | 1725.1 | 1725.1 | 1725.1 | 1725.1 |
| 145.5 | 148.0 | 149.0 | 150.0 | 149.5 | 149.0 | 148.0 | 147.0 | 2.5°   | 1481.6 | 1514.2 | 1518.5 | 1522.9 |
| 176.5 | 179.0 | 180.5 | 182.0 | 180.5 | 179.0 | 178.0 | 177.0 | 5°     | 1218.0 | 1250.5 | 1232.1 | 1240.0 |
| 208.0 | 211.0 | 213.0 | 215.0 | 212.5 | 210.0 | 209.0 | 208.0 | 7.5°   | 889.3  | 868.2  | 895.5  | 912.2  |
| 244.5 | 246.0 | 248.0 | 250.0 | 247.5 | 245.0 | 244.0 | 243.0 | 10°    | 649.4  | 674.0  | 684.6  | 703.9  |
| 278.0 | 279.0 | 281.0 | 283.0 | 280.5 | 278.0 | 277.0 | 276.0 | 12.5°  | 538.7  | 554.5  | 573.8  | 604.6  |
| 311.5 | 313.0 | 314.0 | 315.0 | 312.5 | 310.0 | 310.0 | 310.0 | 15°    | 436.8  | 448.2  | 472.8  | 502.7  |
| 342.5 | 345.0 | 345.5 | 346.0 | 346.0 | 346.0 | 345.5 | 345.0 | 17.5°  | 318.1  | 334.8  | 350.6  | 375.2  |
| 374.5 | 377.0 | 379.0 | 381.0 | 381.0 | 381.0 | 380.0 | 379.0 | 20°    | 213.5  | 220.6  | 239.9  | 251.3  |
| 408.0 | 411.0 | 413.5 | 416.0 | 415.0 | 414.0 | 414.0 | 414.0 | 22.5°  | 171.4  | 174.0  | 177.5  | 187.2  |
| 440.0 | 443.0 | 445.5 | 448.0 | 447.5 | 447.0 | 448.5 | 450.0 | 25°    | 153.8  | 155.5  | 158.2  | 161.7  |
| 470.5 | 473.0 | 474.0 | 475.0 | 475.5 | 476.0 | 478.5 | 481.0 | 27.5°  | 139.7  | 140.6  | 143.2  | 145.0  |
| 498.5 | 500.0 | 501.0 | 502.0 | 503.0 | 504.0 | 506.5 | 509.0 | 30°    | 127.4  | 126.5  | 127.4  | 130.1  |
| 526.0 | 527.0 | 530.0 | 533.0 | 533.0 | 533.0 | 533.5 | 534.0 | 32.5°  | 114.2  | 114.2  | 116.0  | 116.0  |
| 553.5 | 556.0 | 559.0 | 562.0 | 561.5 | 561.0 | 559.5 | 558.0 | 35°    | 98.4   | 97.5   | 99.3   | 101.9  |
| 577.5 | 580.0 | 582.5 | 585.0 | 585.5 | 586.0 | 584.5 | 583.0 | 37.5°  | 90.5   | 91.4   | 93.2   | 94.9   |
| 595.0 | 597.0 | 598.5 | 600.0 | 601.5 | 603.0 | 604.5 | 606.0 | 40°    | 86.1   | 87.0   | 88.8   | 90.5   |
| 610.5 | 611.0 | 612.5 | 614.0 | 616.0 | 618.0 | 620.5 | 623.0 | 42.5°  | 81.7   | 83.5   | 85.2   | 87.9   |
| 627.0 | 626.0 | 628.5 | 631.0 | 633.5 | 636.0 | 637.0 | 638.0 | 45°    | 79.1   | 80.8   | 83.5   | 86.1   |
| 644.5 | 644.0 | 646.0 | 648.0 | 649.0 | 650.0 | 650.0 | 650.0 | 47.5°  | 78.2   | 80.0   | 82.6   | 86.1   |
| 656.5 | 658.0 | 661.0 | 664.0 | 662.5 | 661.0 | 660.5 | 660.0 | 50°    | 76.5   | 79.1   | 81.7   | 85.2   |
| 665.0 | 667.0 | 669.0 | 671.0 | 670.5 | 670.0 | 669.0 | 668.0 | 52.5°  | 76.5   | 78.2   | 80.8   | 85.2   |
| 672.5 | 672.0 | 674.5 | 677.0 | 678.5 | 680.0 | 679.0 | 678.0 | 55°    | 73.8   | 76.5   | 79.1   | 83.5   |
| 681.5 | 678.0 | 681.0 | 684.0 | 686.0 | 688.0 | 688.0 | 688.0 | 57.5°  | 72.1   | 73.8   | 77.3   | 82.6   |
| 688.5 | 686.0 | 687.5 | 689.0 | 691.5 | 694.0 | 695.0 | 696.0 | 59°    | 71.2   | 72.9   | 76.5   | 81.7   |
| 689.5 | 689.0 | 690.5 | 692.0 | 693.0 | 694.0 | 695.0 | 696.0 | 60°    | 69.4   | 72.1   | 75.6   | 80.8   |
| 690.0 | 690.0 | 692.5 | 695.0 | 695.5 | 696.0 | 695.0 | 694.0 | 62.5°  | 67.7   | 70.3   | 73.8   | 79.1   |
| 694.5 | 694.0 | 696.5 | 699.0 | 700.0 | 701.0 | 699.5 | 698.0 | 65°    | 65.0   | 68.5   | 72.1   | 75.6   |
| 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 67.5°  | 63.3   | 65.0   | 68.5   | 72.1   |
|       |       |       |       |       |       |       |       | 70°    | 59.8   | 61.5   | 64.2   | 66.8   |
|       |       |       |       |       |       |       |       | 72.5°  | 55.4   | 56.2   | 58.0   | 60.6   |
|       |       |       |       |       |       |       |       | 75°    | 49.2   | 50.1   | 51.0   | 53.6   |
|       |       |       |       |       |       |       |       | 77.5°  | 43.1   | 43.1   | 43.9   | 47.5   |
|       |       |       |       |       |       |       |       | 80°    | 36.0   | 36.0   | 36.9   | 38.7   |
|       |       |       |       |       |       |       |       | 82.5°  | 27.2   | 27.2   | 29.0   | 31.6   |
|       |       |       |       |       |       |       |       | 85°    | 19.3   | 18.5   | 21.1   | 22.8   |
|       |       |       |       |       |       |       |       | 87.5°  | 11.4   | 10.5   | 11.4   | 11.4   |
|       |       |       |       |       |       |       |       | 90°    | 7.9    | 9.6    | 9.8    | 10.8   |
|       |       |       |       |       |       |       |       | 92.5°  | 6.0    | 6.0    | 6.0    | 6.0    |
|       |       |       |       |       |       |       |       | 95°    | 7.0    | 7.0    | 7.0    | 7.0    |
|       |       |       |       |       |       |       |       | 97.5°  | 8.0    | 8.0    | 8.5    | 9.0    |
|       |       |       |       |       |       |       |       | 100°   | 19.0   | 19.0   | 21.0   | 23.0   |
|       |       |       |       |       |       |       |       | 102.5° | 38.0   | 39.0   | 40.5   | 42.0   |
|       |       |       |       |       |       |       |       | 105°   | 61.0   | 61.0   | 63.0   | 65.0   |
|       |       |       |       |       |       |       |       | 107.5° | 86.0   | 87.0   | 88.5   | 90.0   |





REPORT NUMBER: P227233

CATALOG NUMBER: IST-AF-1000-LED-E1-SLL-7050-ULG

ULG

**CANDELA DISTRIBUTION (continued):**

| 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   |        | 270°  | 275°  | 280°  | 285°  | 290°  |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 110°   | 117.0 | 116.0 | 117.5 | 119.0 | 120.0 |
| 1540.5 | 1531.7 | 1538.8 | 1566.0 | 1575.7 | 1588.0 | 1629.3 | 112.5° | 147.0 | 147.0 | 148.0 | 149.0 | 149.5 |
| 1259.3 | 1270.7 | 1259.3 | 1314.7 | 1317.3 | 1354.2 | 1369.2 | 115°   | 178.0 | 177.0 | 178.0 | 179.0 | 180.5 |
| 925.4  | 940.3  | 964.9  | 1001.8 | 1012.4 | 1065.1 | 1109.9 | 117.5° | 209.0 | 208.0 | 209.0 | 210.0 | 212.5 |
| 722.4  | 741.7  | 776.0  | 798.8  | 821.7  | 852.4  | 888.5  | 120°   | 243.0 | 243.0 | 244.0 | 245.0 | 247.5 |
| 641.5  | 661.7  | 691.6  | 720.6  | 753.1  | 776.9  | 806.7  | 122.5° | 277.0 | 276.0 | 277.0 | 278.0 | 280.5 |
| 536.1  | 567.7  | 596.7  | 634.5  | 661.7  | 704.8  | 739.9  | 125°   | 310.0 | 310.0 | 310.0 | 310.0 | 312.5 |
| 409.5  | 453.5  | 482.5  | 528.2  | 569.5  | 607.2  | 654.7  | 127.5° | 347.0 | 345.0 | 345.5 | 346.0 | 346.0 |
| 284.7  | 319.0  | 355.9  | 405.1  | 458.7  | 510.6  | 573.8  | 130°   | 380.0 | 379.0 | 380.0 | 381.0 | 381.0 |
| 196.0  | 214.4  | 242.5  | 293.5  | 348.9  | 423.6  | 492.1  | 132.5° | 415.0 | 414.0 | 414.0 | 414.0 | 415.0 |
| 167.0  | 174.0  | 184.5  | 209.2  | 255.7  | 337.5  | 413.0  | 135°   | 451.0 | 450.0 | 448.5 | 447.0 | 447.5 |
| 148.5  | 153.8  | 160.8  | 173.1  | 197.7  | 254.0  | 337.5  | 137.5° | 482.0 | 481.0 | 478.5 | 476.0 | 475.5 |
| 136.2  | 142.4  | 149.4  | 158.2  | 171.4  | 210.0  | 272.4  | 140°   | 511.0 | 509.0 | 506.5 | 504.0 | 503.0 |
| 119.5  | 123.9  | 130.1  | 139.7  | 149.4  | 180.2  | 240.8  | 142.5° | 536.0 | 534.0 | 533.5 | 533.0 | 533.0 |
| 105.5  | 110.7  | 118.6  | 125.7  | 135.3  | 159.9  | 218.8  | 145°   | 560.0 | 558.0 | 559.5 | 561.0 | 561.5 |
| 98.4   | 103.7  | 110.7  | 116.9  | 123.9  | 144.1  | 203.0  | 147.5° | 585.0 | 583.0 | 584.5 | 586.0 | 585.5 |
| 94.0   | 99.3   | 106.3  | 111.6  | 116.0  | 138.8  | 196.8  | 150°   | 610.0 | 606.0 | 604.5 | 603.0 | 601.5 |
| 91.4   | 97.5   | 103.7  | 107.2  | 116.0  | 141.5  | 181.9  | 152.5° | 628.0 | 623.0 | 620.5 | 618.0 | 616.0 |
| 90.5   | 96.7   | 103.7  | 109.8  | 127.4  | 133.6  | 172.2  | 155°   | 641.0 | 638.0 | 637.0 | 636.0 | 633.5 |
| 91.4   | 96.7   | 105.5  | 123.0  | 123.9  | 126.5  | 161.7  | 157.5° | 655.0 | 650.0 | 650.0 | 650.0 | 649.0 |
| 91.4   | 99.3   | 117.8  | 128.3  | 117.8  | 119.5  | 152.0  | 160°   | 666.0 | 660.0 | 660.5 | 661.0 | 662.5 |
| 92.3   | 102.8  | 122.2  | 119.5  | 114.2  | 111.6  | 141.5  | 162.5° | 674.0 | 668.0 | 669.0 | 670.0 | 670.5 |
| 92.3   | 101.1  | 116.9  | 112.5  | 105.5  | 106.3  | 129.2  | 165°   | 682.0 | 678.0 | 679.0 | 680.0 | 678.5 |
| 89.6   | 101.1  | 112.5  | 101.9  | 96.7   | 101.1  | 118.6  | 167.5° | 694.0 | 688.0 | 688.0 | 688.0 | 686.0 |
| 87.9   | 103.7  | 100.2  | 94.0   | 94.0   | 98.4   | 113.4  | 170°   | 701.0 | 696.0 | 695.0 | 694.0 | 691.5 |
| 87.0   | 106.3  | 94.9   | 91.4   | 91.4   | 97.5   | 110.7  | 172.5° | 701.0 | 696.0 | 695.0 | 694.0 | 693.0 |
| 84.4   | 99.3   | 87.0   | 85.2   | 87.9   | 92.3   | 107.2  | 175°   | 699.0 | 694.0 | 695.0 | 696.0 | 695.5 |
| 79.1   | 82.6   | 80.0   | 80.0   | 83.5   | 88.8   | 105.5  | 177.5° | 702.0 | 698.0 | 699.5 | 701.0 | 700.0 |
| 72.9   | 74.7   | 74.7   | 75.6   | 79.1   | 83.5   | 107.2  | 180°   | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 |
| 67.7   | 67.7   | 69.4   | 70.3   | 72.9   | 79.1   | 102.8  |        |       |       |       |       |       |
| 61.5   | 62.4   | 62.4   | 64.2   | 65.9   | 72.1   | 99.3   |        |       |       |       |       |       |
| 54.5   | 54.5   | 56.2   | 56.2   | 58.9   | 65.0   | 88.8   |        |       |       |       |       |       |
| 47.5   | 47.5   | 47.5   | 48.3   | 50.1   | 56.2   | 72.9   |        |       |       |       |       |       |
| 39.5   | 39.5   | 39.5   | 40.4   | 41.3   | 46.6   | 55.4   |        |       |       |       |       |       |
| 31.6   | 30.8   | 29.9   | 29.9   | 31.6   | 36.0   | 43.1   |        |       |       |       |       |       |
| 22.0   | 22.0   | 21.1   | 21.1   | 21.1   | 23.7   | 29.0   |        |       |       |       |       |       |
| 12.3   | 10.5   | 11.4   | 12.3   | 11.4   | 13.2   | 15.8   |        |       |       |       |       |       |
| 9.9    | 10.8   | 10.6   | 10.5   | 10.5   | 10.5   | 12.8   |        |       |       |       |       |       |
| 6.5    | 7.0    | 7.0    | 7.0    | 6.5    | 6.0    | 6.0    |        |       |       |       |       |       |
| 7.5    | 8.0    | 7.5    | 7.0    | 7.0    | 7.0    | 7.0    |        |       |       |       |       |       |
| 9.5    | 10.0   | 11.0   | 12.0   | 10.5   | 9.0    | 9.0    |        |       |       |       |       |       |
| 24.5   | 26.0   | 27.5   | 29.0   | 25.0   | 21.0   | 16.5   |        |       |       |       |       |       |
| 44.5   | 47.0   | 48.5   | 50.0   | 45.0   | 40.0   | 33.5   |        |       |       |       |       |       |
| 67.5   | 70.0   | 71.0   | 72.0   | 67.5   | 63.0   | 55.5   |        |       |       |       |       |       |
| 92.0   | 94.0   | 94.5   | 95.0   | 91.5   | 88.0   | 80.5   |        |       |       |       |       |       |



REPORT NUMBER: P227233

CATALOG NUMBER: IST-AF-1000-LED-E1-SLL-7050-ULG

**CANDELA DISTRIBUTION (continued):**

| 295°  | 300°  | 305°  | 310°  | 315°  | 320°  |        | 325°   | 330°   | 335°   | 340°   | 345°   | 350°   |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 121.0 | 120.5 | 120.0 | 117.0 | 114.0 | 108.0 | 0°     | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 |
| 150.0 | 149.0 | 148.0 | 145.5 | 143.0 | 138.5 | 2.5°   | 1624.0 | 1646.9 | 1682.9 | 1689.9 | 1718.9 | 1739.1 |
| 182.0 | 180.5 | 179.0 | 176.5 | 174.0 | 171.0 | 5°     | 1376.2 | 1430.7 | 1450.0 | 1487.8 | 1553.7 | 1587.1 |
| 215.0 | 213.0 | 211.0 | 208.0 | 205.0 | 203.5 | 7.5°   | 1135.4 | 1176.7 | 1223.3 | 1283.9 | 1332.2 | 1389.4 |
| 250.0 | 248.0 | 246.0 | 244.5 | 243.0 | 240.0 | 10°    | 934.2  | 993.0  | 1053.7 | 1102.9 | 1170.5 | 1239.1 |
| 283.0 | 281.0 | 279.0 | 278.0 | 277.0 | 274.0 | 12.5°  | 829.6  | 862.1  | 921.9  | 991.3  | 1075.6 | 1152.1 |
| 315.0 | 314.0 | 313.0 | 311.5 | 310.0 | 307.5 | 15°    | 775.1  | 813.8  | 877.9  | 951.7  | 1041.4 | 1136.3 |
| 346.0 | 345.5 | 345.0 | 342.5 | 340.0 | 339.5 | 17.5°  | 707.4  | 768.9  | 841.9  | 947.3  | 1063.3 | 1195.2 |
| 381.0 | 379.0 | 377.0 | 374.5 | 372.0 | 371.0 | 20°    | 640.6  | 715.3  | 811.1  | 950.0  | 1110.8 | 1282.2 |
| 416.0 | 413.5 | 411.0 | 408.0 | 405.0 | 404.5 | 22.5°  | 581.8  | 670.5  | 791.8  | 965.8  | 1171.4 | 1399.9 |
| 448.0 | 445.5 | 443.0 | 440.0 | 437.0 | 436.0 | 25°    | 512.3  | 631.0  | 776.9  | 998.3  | 1264.6 | 1558.1 |
| 475.0 | 474.0 | 473.0 | 470.5 | 468.0 | 466.0 | 27.5°  | 457.0  | 593.2  | 754.9  | 1026.4 | 1349.8 | 1710.1 |
| 502.0 | 501.0 | 500.0 | 498.5 | 497.0 | 494.0 | 30°    | 395.5  | 549.2  | 724.1  | 1036.1 | 1453.5 | 1834.9 |
| 533.0 | 530.0 | 527.0 | 526.0 | 525.0 | 523.0 | 32.5°  | 346.2  | 507.9  | 689.0  | 1027.3 | 1500.1 | 1921.9 |
| 562.0 | 559.0 | 556.0 | 553.5 | 551.0 | 550.5 | 35°    | 322.5  | 478.1  | 659.1  | 996.5  | 1538.8 | 2015.9 |
| 585.0 | 582.5 | 580.0 | 577.5 | 575.0 | 574.5 | 37.5°  | 306.7  | 445.5  | 630.1  | 945.6  | 1582.7 | 2109.1 |
| 600.0 | 598.5 | 597.0 | 595.0 | 593.0 | 593.0 | 40°    | 286.5  | 420.1  | 606.4  | 908.7  | 1617.0 | 2186.4 |
| 614.0 | 612.5 | 611.0 | 610.5 | 610.0 | 610.0 | 42.5°  | 268.0  | 397.2  | 587.9  | 876.2  | 1625.8 | 2255.9 |
| 631.0 | 628.5 | 626.0 | 627.0 | 628.0 | 629.0 | 45°    | 252.2  | 383.2  | 573.8  | 877.9  | 1631.9 | 2352.5 |
| 648.0 | 646.0 | 644.0 | 644.5 | 645.0 | 645.5 | 47.5°  | 239.9  | 370.0  | 568.6  | 907.8  | 1696.9 | 2487.0 |
| 664.0 | 661.0 | 658.0 | 656.5 | 655.0 | 655.0 | 50°    | 228.5  | 358.5  | 559.8  | 965.8  | 1801.5 | 2668.9 |
| 671.0 | 669.0 | 667.0 | 665.0 | 663.0 | 662.0 | 52.5°  | 215.3  | 342.7  | 548.4  | 1025.5 | 1915.8 | 2912.3 |
| 677.0 | 674.5 | 672.0 | 672.5 | 673.0 | 673.0 | 55°    | 197.7  | 321.6  | 536.1  | 1075.6 | 2071.3 | 3208.5 |
| 684.0 | 681.0 | 678.0 | 681.5 | 685.0 | 686.5 | 57.5°  | 170.5  | 297.0  | 528.2  | 1101.1 | 2167.1 | 3378.9 |
| 689.0 | 687.5 | 686.0 | 688.5 | 691.0 | 692.0 | 59°    | 156.4  | 273.3  | 523.8  | 1088.8 | 2192.6 | 3407.9 |
| 692.0 | 690.5 | 689.0 | 689.5 | 690.0 | 690.0 | 60°    | 148.5  | 259.2  | 516.7  | 1073.9 | 2199.6 | 3389.5 |
| 695.0 | 692.5 | 690.0 | 690.0 | 690.0 | 690.5 | 62.5°  | 138.0  | 225.8  | 487.7  | 999.2  | 2101.2 | 3166.3 |
| 699.0 | 696.5 | 694.0 | 694.5 | 695.0 | 696.0 | 65°    | 140.6  | 213.5  | 421.8  | 850.7  | 1875.3 | 2730.4 |
| 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 67.5°  | 144.1  | 208.3  | 364.7  | 687.2  | 1494.8 | 2259.4 |
|       |       |       |       |       |       | 70°    | 141.5  | 205.6  | 331.3  | 546.6  | 1119.6 | 1691.7 |
|       |       |       |       |       |       | 72.5°  | 138.0  | 194.2  | 287.4  | 439.4  | 710.1  | 1184.6 |
|       |       |       |       |       |       | 75°    | 122.2  | 163.5  | 225.8  | 301.4  | 448.2  | 863.0  |
|       |       |       |       |       |       | 77.5°  | 95.8   | 125.7  | 159.9  | 187.2  | 227.6  | 609.0  |
|       |       |       |       |       |       | 80°    | 70.3   | 91.4   | 104.6  | 112.5  | 126.5  | 415.7  |
|       |       |       |       |       |       | 82.5°  | 50.1   | 61.5   | 66.8   | 71.2   | 84.4   | 311.1  |
|       |       |       |       |       |       | 85°    | 37.8   | 43.1   | 46.6   | 46.6   | 57.1   | 219.7  |
|       |       |       |       |       |       | 87.5°  | 21.1   | 22.0   | 22.0   | 23.7   | 28.1   | 59.8   |
|       |       |       |       |       |       | 90°    | 14.2   | 14.2   | 13.3   | 13.7   | 11.4   | 9.5    |
|       |       |       |       |       |       | 92.5°  | 6.0    | 6.0    | 6.0    | 5.5    | 5.0    | 4.5    |
|       |       |       |       |       |       | 95°    | 7.0    | 7.0    | 7.0    | 6.5    | 6.0    | 5.5    |
|       |       |       |       |       |       | 97.5°  | 9.0    | 8.5    | 8.0    | 8.0    | 8.0    | 7.5    |
|       |       |       |       |       |       | 100°   | 12.0   | 11.0   | 10.0   | 9.5    | 9.0    | 8.5    |
|       |       |       |       |       |       | 102.5° | 27.0   | 22.5   | 18.0   | 15.5   | 13.0   | 12.0   |
|       |       |       |       |       |       | 105°   | 48.0   | 42.0   | 36.0   | 31.5   | 27.0   | 24.5   |
|       |       |       |       |       |       | 107.5° | 73.0   | 65.5   | 58.0   | 53.5   | 49.0   | 45.5   |



REPORT NUMBER: P227233

CATALOG NUMBER: IST-AF-1000-LED-E1-SLL-7050-ULG

**CANDELA DISTRIBUTION (continued):**

| 355°   | 359°   | 360°   |        | 325°  | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  |
|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 1725.1 | 1725.1 | 1725.1 | 110°   | 102.0 | 94.5  | 87.0  | 80.5  | 74.0  | 71.0  | 68.0  |
| 1762.0 | 1775.2 | 1785.7 | 112.5° | 134.0 | 127.5 | 121.0 | 113.5 | 106.0 | 102.5 | 99.0  |
| 1638.1 | 1670.6 | 1676.7 | 115°   | 168.0 | 163.5 | 159.0 | 153.0 | 147.0 | 143.0 | 139.0 |
| 1452.6 | 1505.4 | 1523.8 | 117.5° | 202.0 | 199.5 | 197.0 | 193.0 | 189.0 | 186.5 | 184.0 |
| 1316.4 | 1373.5 | 1392.9 | 120°   | 237.0 | 235.0 | 233.0 | 229.5 | 226.0 | 224.5 | 223.0 |
| 1241.7 | 1308.5 | 1329.6 | 122.5° | 271.0 | 269.0 | 267.0 | 264.0 | 261.0 | 260.5 | 260.0 |
| 1243.5 | 1323.5 | 1354.2 | 125°   | 305.0 | 302.0 | 299.0 | 297.5 | 296.0 | 295.0 | 294.0 |
| 1324.3 | 1415.7 | 1453.5 | 127.5° | 339.0 | 336.0 | 333.0 | 331.0 | 329.0 | 329.0 | 329.0 |
| 1463.2 | 1595.9 | 1624.0 | 130°   | 370.0 | 368.0 | 366.0 | 364.0 | 362.0 | 361.5 | 361.0 |
| 1651.2 | 1781.3 | 1823.5 | 132.5° | 404.0 | 402.5 | 401.0 | 397.0 | 393.0 | 393.5 | 394.0 |
| 1827.9 | 2000.1 | 2032.6 | 135°   | 435.0 | 433.5 | 432.0 | 429.0 | 426.0 | 426.0 | 426.0 |
| 2001.9 | 2172.4 | 2201.4 | 137.5° | 464.0 | 462.0 | 460.0 | 459.5 | 459.0 | 458.0 | 457.0 |
| 2136.3 | 2314.7 | 2339.3 | 140°   | 491.0 | 490.0 | 489.0 | 488.0 | 487.0 | 486.0 | 485.0 |
| 2265.5 | 2466.8 | 2494.0 | 142.5° | 521.0 | 519.5 | 518.0 | 517.5 | 517.0 | 516.0 | 515.0 |
| 2409.6 | 2632.0 | 2663.6 | 145°   | 550.0 | 548.5 | 547.0 | 545.5 | 544.0 | 545.0 | 546.0 |
| 2539.7 | 2794.6 | 2814.8 | 147.5° | 574.0 | 574.0 | 574.0 | 572.5 | 571.0 | 571.5 | 572.0 |
| 2683.8 | 2927.2 | 2932.5 | 150°   | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 592.5 | 592.0 |
| 2801.6 | 3025.7 | 3027.4 | 152.5° | 610.0 | 609.5 | 609.0 | 608.5 | 608.0 | 608.0 | 608.0 |
| 2915.8 | 3117.9 | 3118.8 | 155°   | 630.0 | 628.5 | 627.0 | 626.0 | 625.0 | 625.0 | 625.0 |
| 3035.3 | 3219.0 | 3205.8 | 157.5° | 646.0 | 645.0 | 644.0 | 643.5 | 643.0 | 643.0 | 643.0 |
| 3224.3 | 3338.5 | 3351.7 | 160°   | 655.0 | 655.5 | 656.0 | 657.5 | 659.0 | 659.5 | 660.0 |
| 3511.6 | 3613.6 | 3628.5 | 162.5° | 661.0 | 663.0 | 665.0 | 667.0 | 669.0 | 669.0 | 669.0 |
| 3845.6 | 3987.1 | 3966.9 | 165°   | 673.0 | 674.5 | 676.0 | 676.0 | 676.0 | 677.0 | 678.0 |
| 3987.1 | 4148.8 | 4165.5 | 167.5° | 688.0 | 687.0 | 686.0 | 685.0 | 684.0 | 685.5 | 687.0 |
| 3963.3 | 4183.9 | 4212.0 | 170°   | 693.0 | 692.5 | 692.0 | 692.0 | 692.0 | 693.5 | 695.0 |
| 3925.6 | 4173.4 | 4207.6 | 172.5° | 690.0 | 691.5 | 693.0 | 694.0 | 695.0 | 696.0 | 697.0 |
| 3711.1 | 4063.5 | 4117.1 | 175°   | 691.0 | 693.0 | 695.0 | 696.0 | 697.0 | 697.5 | 698.0 |
| 3350.8 | 3835.9 | 3911.5 | 177.5° | 697.0 | 698.0 | 699.0 | 699.5 | 700.0 | 702.5 | 705.0 |
| 2887.7 | 3495.8 | 3556.5 | 180°   | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 |
| 2253.2 | 2841.1 | 2893.0 |        |       |       |       |       |       |       |       |
| 1497.5 | 1950.9 | 2040.6 |        |       |       |       |       |       |       |       |
| 951.7  | 1258.4 | 1241.7 |        |       |       |       |       |       |       |       |
| 702.2  | 818.2  | 819.0  |        |       |       |       |       |       |       |       |
| 509.7  | 561.5  | 555.4  |        |       |       |       |       |       |       |       |
| 394.6  | 342.7  | 341.8  |        |       |       |       |       |       |       |       |
| 138.0  | 121.3  | 118.6  |        |       |       |       |       |       |       |       |
| 59.8   | 50.1   | 51.0   |        |       |       |       |       |       |       |       |
| 7.6    | 7.6    | 8.5    |        |       |       |       |       |       |       |       |
| 4.0    | 4.0    | 4.0    |        |       |       |       |       |       |       |       |
| 5.0    | 5.0    | 5.0    |        |       |       |       |       |       |       |       |
| 7.0    | 7.0    | 7.0    |        |       |       |       |       |       |       |       |
| 8.0    | 8.0    | 8.0    |        |       |       |       |       |       |       |       |
| 11.0   | 11.0   | 11.0   |        |       |       |       |       |       |       |       |
| 22.0   | 21.2   | 21.0   |        |       |       |       |       |       |       |       |
| 42.0   | 41.2   | 41.0   |        |       |       |       |       |       |       |       |



| 359°  | 360°  |
|-------|-------|
| 66.4  | 66.0  |
| 99.0  | 99.0  |
| 139.8 | 140.0 |
| 184.0 | 184.0 |
| 224.6 | 225.0 |
| 262.4 | 263.0 |
| 297.2 | 298.0 |
| 329.8 | 330.0 |
| 362.6 | 363.0 |
| 395.6 | 396.0 |
| 428.4 | 429.0 |
| 459.4 | 460.0 |
| 487.4 | 488.0 |
| 517.4 | 518.0 |
| 549.2 | 550.0 |
| 574.4 | 575.0 |
| 594.4 | 595.0 |
| 610.4 | 611.0 |
| 628.2 | 629.0 |
| 645.4 | 646.0 |
| 662.4 | 663.0 |
| 672.2 | 673.0 |
| 680.4 | 681.0 |
| 689.4 | 690.0 |
| 697.4 | 698.0 |
| 698.6 | 699.0 |
| 699.6 | 700.0 |
| 706.6 | 707.0 |
| 700.0 | 700.0 |

(END OF REPORT)