

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: P227115

Luminaire Tested: **IST-AF-600-LED-E1-SL4-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P227115  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35947)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: IST-AF-600-LED-E1-SL4-7030  
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV W/SPILL CONTROL  
Light Source: (16) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

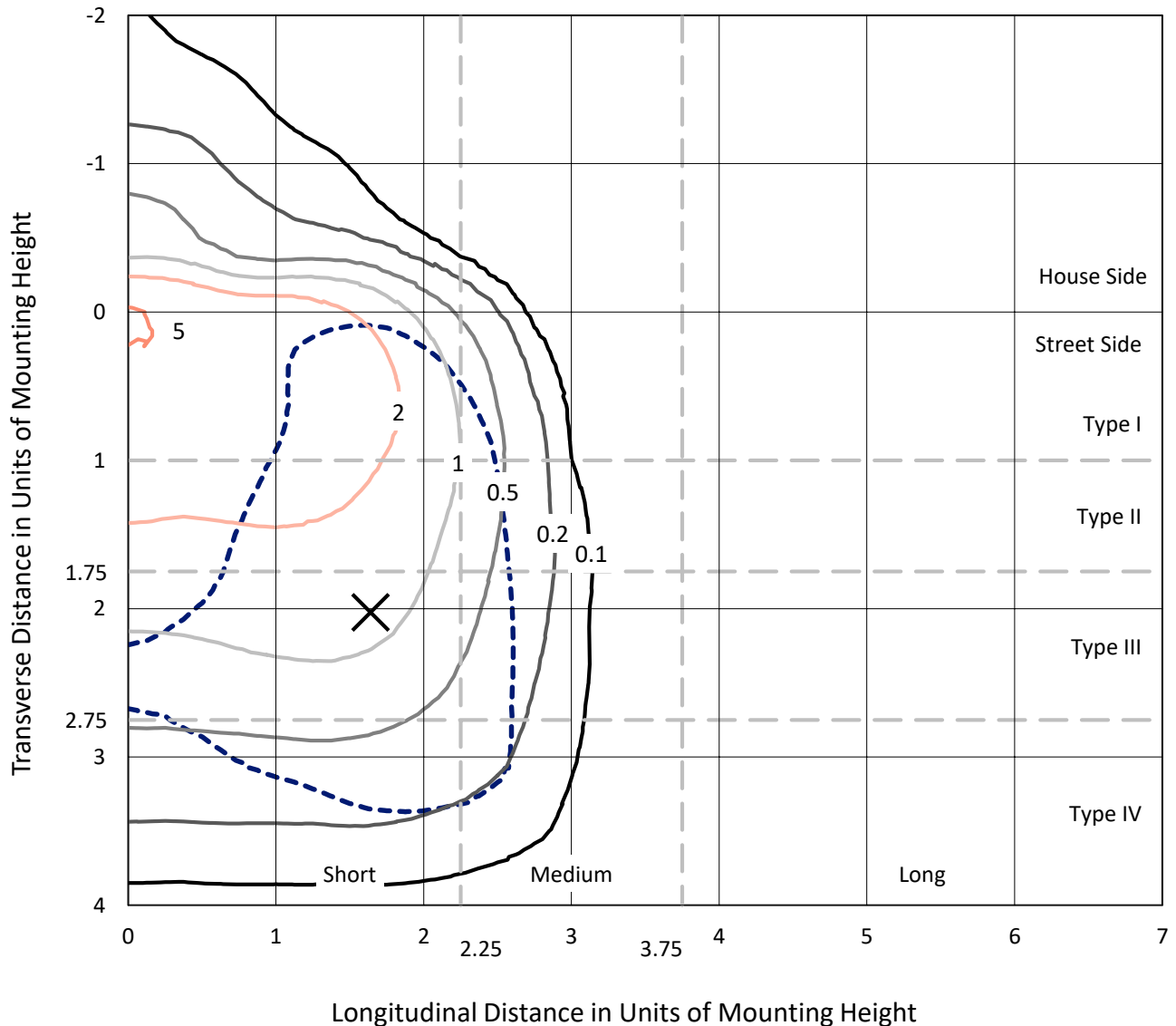
Lumens per Lamp: N/A  
Luminaire Lumens: 3239.5 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B1 - U1 - G1  
  
Input Watts (W): 33.7  
Input Voltage (V): 120  
Input Current (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

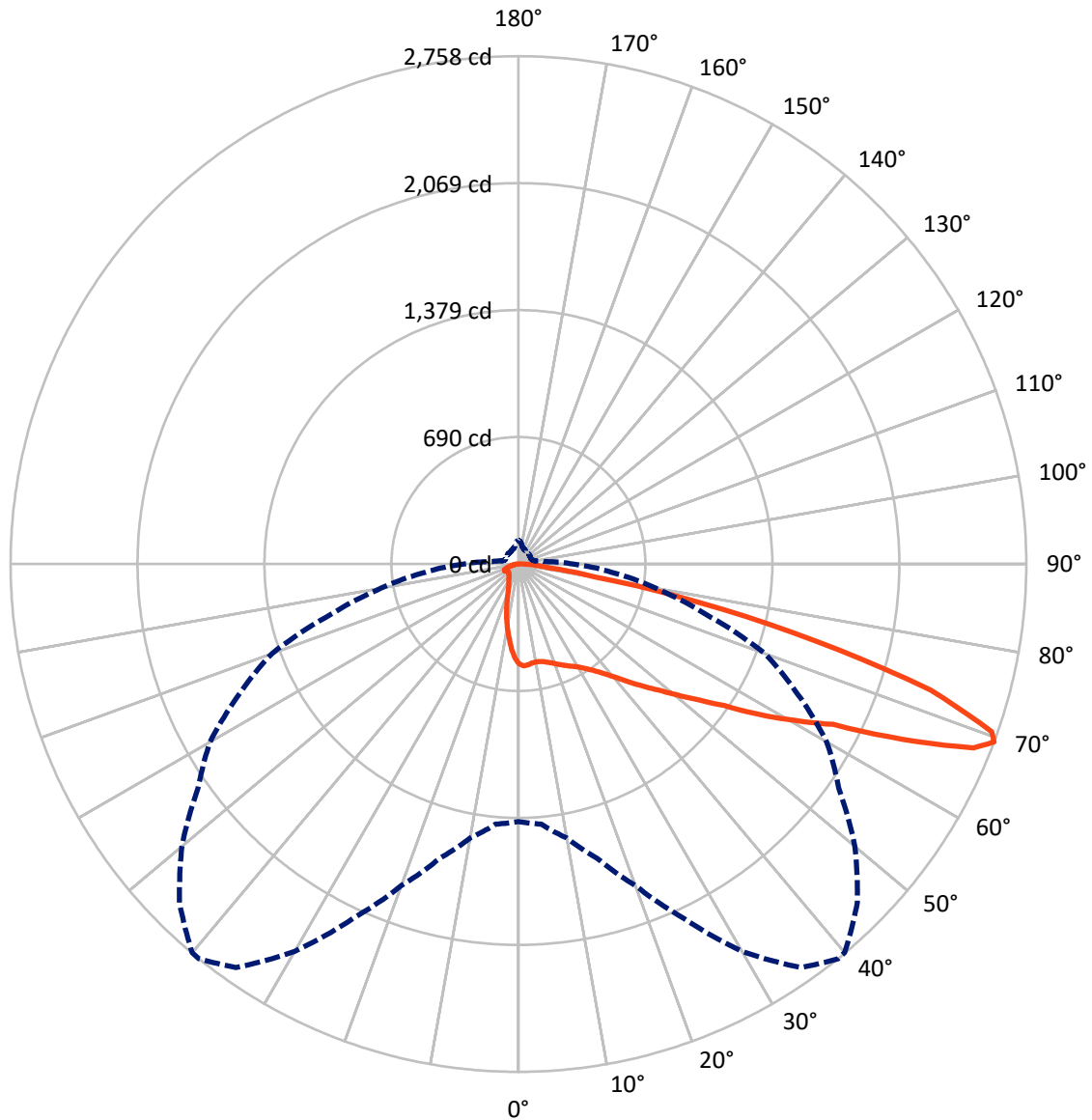
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 409.9    | 0.1    | 410.0  |
|                    | % Fixture | 12.7     | 0.0    | 12.7   |
| <b>Street Side</b> | Lumens    | 2828.7   | 0.8    | 2829.5 |
|                    | % Fixture | 87.3     | 0.0    | 87.3   |
| <b>Total</b>       | Lumens    | 3238.6   | 0.9    | 3239.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 46.8   | 1.4       |
| 10°-20°   | 118.1  | 3.6       |
| 20°-30°   | 183.8  | 5.7       |
| 30°-40°   | 277.8  | 8.6       |
| 40°-50°   | 444.6  | 13.7      |
| 50°-60°   | 698.7  | 21.6      |
| 60°-70°   | 940.8  | 29.0      |
| 70°-80°   | 466.7  | 14.4      |
| 80°-90°   | 61.3   | 1.9       |
| 90°-100°  | 0.9    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 3238.6 | 100.0     |
| 0°-180°   | 3239.5 | 100.0     |

**Coefficient of Utilization**



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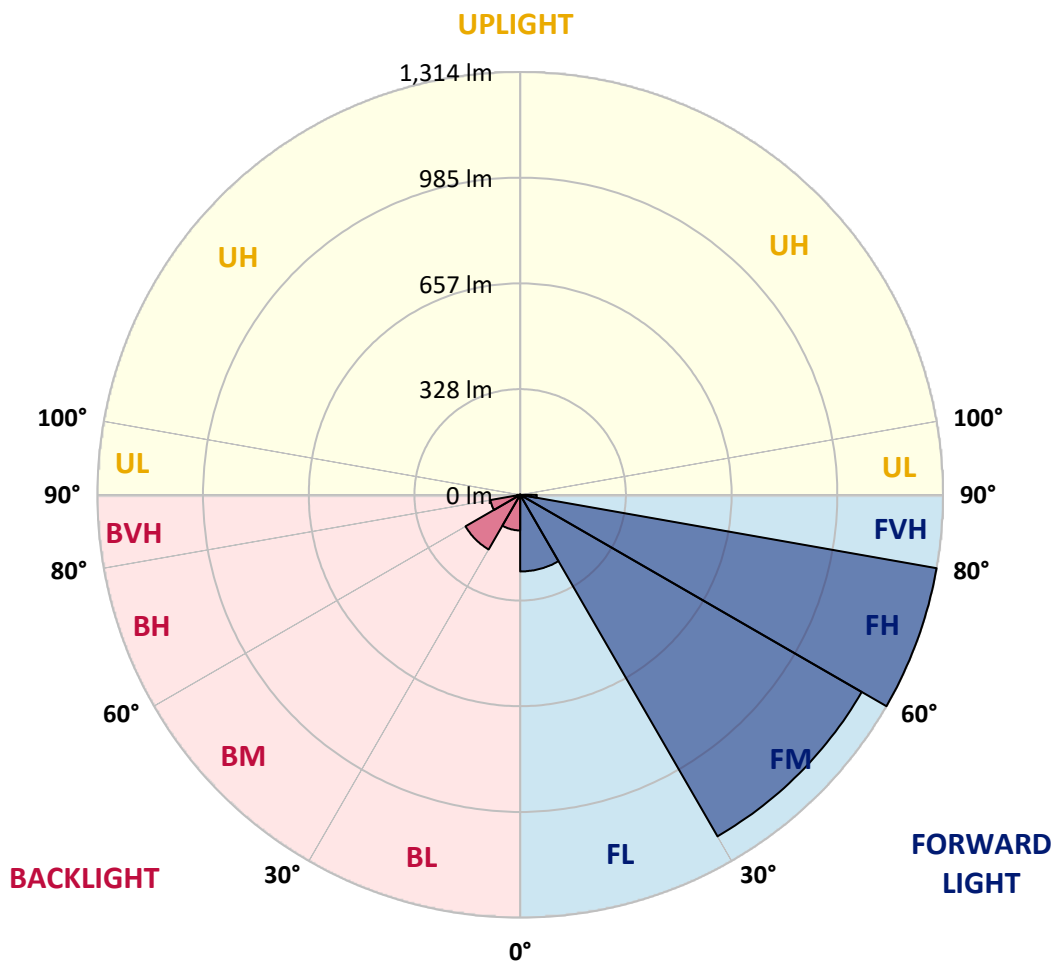
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |       |         |
|------|-------------|--------|-----------|-------------------------|-------|---------|
|      |             |        |           | B                       | U     | G       |
| FL   | (0°-30°)    | 238.2  | 7.4       |                         |       |         |
| FM   | (30°-60°)   | 1225.3 | 37.8      |                         |       |         |
| FH   | (60°-80°)   | 1313.6 | 40.6      |                         |       | G1/1800 |
| FVH  | (80°-90°)   | 51.6   | 1.6       |                         |       | G1/100  |
| BL   | (0°-30°)    | 110.6  | 3.4       | B1/500                  |       |         |
| BM   | (30°-60°)   | 195.8  | 6.0       | B0/220                  |       |         |
| BH   | (60°-80°)   | 93.8   | 2.9       | B0/110                  |       | G0/110  |
| BVH  | (80°-90°)   | 9.7    | 0.3       |                         |       | G0/10   |
| UL   | (90°-100°)  | 0.9    | 0.0       |                         | U1/10 |         |
| UH   | (100°-180°) | 0.1    | 0.0       |                         | U1/10 |         |

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

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 39°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 542.6  | 542.6  | 542.6  | 542.6  | 542.6  | 542.6  | 542.6  | 542.6  | 542.6  | 542.6  | 542.6  |
| 2.5°   | 555.7  | 556.3  | 556.3  | 556.8  | 554.7  | 554.7  | 555.2  | 553.1  | 554.2  | 553.6  | 551.0  |
| 5°     | 556.8  | 557.3  | 556.8  | 557.3  | 554.7  | 553.6  | 551.5  | 548.9  | 550.0  | 549.4  | 545.7  |
| 7.5°   | 554.2  | 554.7  | 553.6  | 554.2  | 551.0  | 548.9  | 545.7  | 543.6  | 542.1  | 541.5  | 536.8  |
| 10°    | 548.4  | 550.0  | 547.8  | 549.4  | 546.8  | 544.7  | 543.1  | 541.0  | 540.0  | 539.4  | 534.2  |
| 12.5°  | 540.0  | 541.0  | 541.5  | 543.6  | 543.6  | 544.2  | 544.2  | 542.6  | 543.1  | 542.6  | 538.4  |
| 15°    | 532.1  | 535.8  | 539.4  | 541.5  | 545.7  | 548.4  | 550.5  | 550.0  | 551.5  | 551.0  | 548.4  |
| 17.5°  | 532.1  | 535.2  | 541.5  | 548.4  | 556.3  | 559.9  | 563.1  | 563.1  | 563.6  | 562.6  | 558.4  |
| 20°    | 534.2  | 540.0  | 550.5  | 562.0  | 571.5  | 578.9  | 581.0  | 580.4  | 578.3  | 578.3  | 571.0  |
| 22.5°  | 551.5  | 555.2  | 566.8  | 579.4  | 592.5  | 599.9  | 600.4  | 598.8  | 594.6  | 593.6  | 584.7  |
| 25°    | 576.2  | 580.4  | 591.0  | 607.3  | 617.3  | 623.0  | 621.5  | 616.2  | 612.0  | 608.3  | 598.8  |
| 27.5°  | 614.6  | 617.8  | 628.3  | 639.3  | 645.1  | 647.2  | 640.9  | 633.6  | 628.8  | 627.2  | 614.6  |
| 30°    | 654.1  | 658.3  | 666.7  | 673.5  | 678.2  | 671.9  | 661.9  | 653.5  | 649.3  | 648.3  | 636.7  |
| 32.5°  | 702.4  | 703.0  | 708.7  | 710.3  | 710.8  | 700.3  | 686.7  | 678.8  | 677.2  | 675.1  | 666.1  |
| 35°    | 746.6  | 749.2  | 748.2  | 747.6  | 742.9  | 729.8  | 718.2  | 713.5  | 711.9  | 711.4  | 704.0  |
| 37.5°  | 786.0  | 790.2  | 787.6  | 782.9  | 777.1  | 766.6  | 754.5  | 749.2  | 754.5  | 751.3  | 752.9  |
| 40°    | 824.4  | 824.4  | 821.2  | 818.6  | 811.8  | 801.8  | 797.6  | 798.1  | 806.5  | 808.6  | 810.7  |
| 42.5°  | 857.5  | 857.0  | 853.8  | 851.7  | 850.7  | 848.6  | 846.5  | 856.5  | 872.8  | 875.9  | 880.7  |
| 45°    | 893.8  | 893.3  | 881.2  | 885.4  | 892.8  | 894.3  | 901.7  | 924.8  | 944.8  | 946.4  | 956.4  |
| 47.5°  | 929.0  | 924.8  | 913.3  | 917.5  | 938.5  | 949.5  | 961.6  | 994.2  | 1022.1 | 1027.9 | 1055.7 |
| 50°    | 965.8  | 961.6  | 949.0  | 956.9  | 986.3  | 1006.8 | 1035.2 | 1080.5 | 1118.8 | 1126.7 | 1163.0 |
| 52.5°  | 1004.2 | 1003.7 | 993.7  | 1005.8 | 1042.1 | 1083.6 | 1128.3 | 1179.3 | 1226.1 | 1236.1 | 1289.7 |
| 55°    | 1050.5 | 1047.9 | 1043.6 | 1058.4 | 1109.9 | 1165.6 | 1235.6 | 1305.0 | 1356.0 | 1373.8 | 1428.0 |
| 57.5°  | 1102.5 | 1101.5 | 1102.0 | 1132.5 | 1194.5 | 1279.2 | 1364.9 | 1458.5 | 1542.6 | 1555.2 | 1605.7 |
| 60°    | 1147.8 | 1149.9 | 1161.9 | 1209.8 | 1287.6 | 1402.2 | 1522.6 | 1649.3 | 1724.0 | 1737.1 | 1786.6 |
| 62.5°  | 1203.0 | 1215.0 | 1241.9 | 1302.3 | 1393.8 | 1532.6 | 1688.8 | 1822.8 | 1919.1 | 1945.9 | 2039.5 |
| 65°    | 1335.4 | 1344.9 | 1394.9 | 1467.9 | 1584.7 | 1762.4 | 1941.7 | 2136.7 | 2295.5 | 2319.7 | 2400.1 |
| 67.5°  | 1432.2 | 1456.4 | 1534.7 | 1654.1 | 1822.8 | 2050.0 | 2296.0 | 2532.1 | 2666.2 | 2677.2 | 2621.0 |
| 69°    | 1398.5 | 1418.5 | 1511.1 | 1655.1 | 1858.6 | 2123.0 | 2429.0 | 2675.6 | 2758.2 | 2756.1 | 2603.1 |
| 70°    | 1347.0 | 1365.4 | 1467.4 | 1607.3 | 1828.6 | 2114.6 | 2431.1 | 2676.7 | 2726.6 | 2707.7 | 2532.6 |
| 72.5°  | 1128.3 | 1144.6 | 1240.3 | 1386.4 | 1601.0 | 1884.9 | 2183.0 | 2350.7 | 2340.2 | 2324.4 | 2035.2 |
| 75°    | 704.5  | 703.5  | 787.1  | 871.7  | 1038.4 | 1325.5 | 1547.3 | 1681.9 | 1660.4 | 1648.3 | 1306.5 |
| 77.5°  | 263.4  | 281.8  | 312.3  | 403.3  | 480.0  | 635.1  | 814.4  | 964.3  | 1005.8 | 952.7  | 703.5  |
| 80°    | 137.2  | 147.2  | 167.2  | 199.3  | 229.2  | 262.4  | 315.5  | 405.9  | 420.1  | 391.7  | 283.9  |
| 82.5°  | 108.3  | 120.4  | 140.4  | 167.7  | 188.8  | 176.1  | 166.1  | 171.9  | 170.9  | 163.0  | 144.6  |
| 85°    | 82.0   | 96.2   | 128.8  | 156.7  | 186.6  | 157.7  | 125.7  | 109.9  | 97.8   | 98.3   | 104.6  |
| 87.5°  | 41.0   | 53.1   | 101.5  | 136.7  | 162.5  | 104.6  | 82.0   | 63.6   | 53.1   | 51.0   | 68.3   |
| 90°    | 12.6   | 12.6   | 20.5   | 26.8   | 36.8   | 18.4   | 17.9   | 13.7   | 10.0   | 10.0   | 15.8   |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 10° | 15° | 20° | 25° | 30° | 35° | 39° | 40° | 45° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |





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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°   | 100°  |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0°     | 542.6  | 542.6  | 542.6  | 542.6  | 542.6  | 542.6  | 542.6  | 542.6  | 542.6  | 542.6 | 542.6 |
| 2.5°   | 548.9  | 548.9  | 547.8  | 547.3  | 545.7  | 543.6  | 542.1  | 539.4  | 537.9  | 535.2 | 532.1 |
| 5°     | 542.1  | 540.0  | 538.9  | 536.8  | 533.7  | 531.0  | 527.9  | 524.2  | 520.0  | 514.7 | 508.9 |
| 7.5°   | 533.1  | 530.0  | 526.3  | 525.2  | 521.6  | 518.4  | 514.7  | 509.5  | 503.7  | 494.2 | 486.9 |
| 10°    | 529.4  | 526.3  | 523.1  | 521.0  | 516.3  | 512.6  | 508.4  | 501.6  | 494.2  | 481.6 | 467.9 |
| 12.5°  | 533.1  | 530.0  | 526.8  | 523.1  | 518.9  | 514.7  | 508.9  | 500.5  | 490.5  | 474.2 | 457.4 |
| 15°    | 542.1  | 538.9  | 533.7  | 530.0  | 524.2  | 520.5  | 512.6  | 503.2  | 488.4  | 468.5 | 446.4 |
| 17.5°  | 552.1  | 547.3  | 542.6  | 536.8  | 531.6  | 526.8  | 518.4  | 506.3  | 487.9  | 464.3 | 435.9 |
| 20°    | 561.5  | 556.3  | 548.9  | 544.7  | 539.4  | 532.6  | 523.7  | 508.9  | 486.9  | 455.8 | 424.8 |
| 22.5°  | 572.6  | 565.7  | 557.8  | 553.1  | 548.9  | 543.1  | 532.6  | 513.7  | 486.9  | 451.1 | 412.2 |
| 25°    | 586.8  | 577.8  | 569.9  | 565.2  | 562.6  | 558.4  | 545.7  | 524.7  | 490.5  | 448.5 | 401.7 |
| 27.5°  | 603.6  | 592.0  | 585.2  | 582.0  | 581.5  | 578.3  | 565.7  | 539.4  | 499.0  | 448.5 | 391.7 |
| 30°    | 623.6  | 613.6  | 604.6  | 604.6  | 610.9  | 608.8  | 594.6  | 562.0  | 512.1  | 450.1 | 384.3 |
| 32.5°  | 651.4  | 641.4  | 636.2  | 641.4  | 648.3  | 650.4  | 634.1  | 594.1  | 533.7  | 457.4 | 377.0 |
| 35°    | 692.4  | 686.1  | 682.4  | 690.3  | 704.0  | 709.3  | 689.3  | 642.0  | 565.2  | 471.6 | 372.8 |
| 37.5°  | 746.6  | 741.9  | 737.1  | 750.8  | 776.6  | 787.1  | 758.2  | 697.2  | 610.4  | 495.3 | 370.7 |
| 40°    | 808.6  | 809.2  | 814.4  | 841.8  | 866.5  | 888.5  | 855.9  | 780.8  | 672.5  | 528.9 | 372.8 |
| 42.5°  | 882.2  | 888.0  | 905.9  | 943.8  | 991.6  | 1008.9 | 977.4  | 881.7  | 749.7  | 569.4 | 378.0 |
| 45°    | 973.7  | 989.0  | 1019.5 | 1075.7 | 1133.6 | 1160.4 | 1115.7 | 1008.9 | 847.0  | 634.1 | 392.7 |
| 47.5°  | 1071.0 | 1104.6 | 1156.2 | 1224.5 | 1291.8 | 1309.2 | 1254.0 | 1124.1 | 942.2  | 691.4 | 415.4 |
| 50°    | 1195.6 | 1236.6 | 1288.1 | 1370.2 | 1441.7 | 1452.2 | 1379.1 | 1230.8 | 1025.2 | 741.3 | 436.9 |
| 52.5°  | 1311.8 | 1367.5 | 1433.2 | 1528.4 | 1601.0 | 1587.8 | 1493.2 | 1326.0 | 1091.0 | 775.5 | 449.0 |
| 55°    | 1470.6 | 1528.4 | 1602.5 | 1685.6 | 1757.6 | 1726.1 | 1596.8 | 1407.0 | 1143.5 | 800.7 | 452.7 |
| 57.5°  | 1652.0 | 1696.1 | 1768.7 | 1853.9 | 1901.2 | 1847.0 | 1698.8 | 1485.8 | 1193.5 | 801.3 | 423.8 |
| 60°    | 1830.2 | 1881.7 | 1961.6 | 2045.2 | 2071.5 | 1977.9 | 1769.7 | 1497.9 | 1144.1 | 715.0 | 339.1 |
| 62.5°  | 2094.1 | 2146.2 | 2186.7 | 2200.3 | 2153.0 | 1964.8 | 1687.2 | 1370.2 | 986.3  | 564.1 | 240.3 |
| 65°    | 2389.1 | 2330.2 | 2251.9 | 2178.3 | 2049.4 | 1763.4 | 1454.8 | 1125.7 | 765.5  | 377.0 | 165.6 |
| 67.5°  | 2466.4 | 2287.1 | 2116.7 | 1952.7 | 1712.4 | 1404.3 | 1097.3 | 791.8  | 491.1  | 214.5 | 112.5 |
| 69°    | 2385.9 | 2124.1 | 1934.3 | 1674.0 | 1425.9 | 1051.0 | 756.1  | 507.4  | 293.4  | 149.3 | 94.1  |
| 70°    | 2238.7 | 1966.4 | 1709.3 | 1430.6 | 1104.6 | 802.8  | 502.6  | 332.3  | 191.4  | 108.8 | 84.6  |
| 72.5°  | 1689.3 | 1350.7 | 1041.0 | 676.1  | 412.2  | 228.7  | 160.9  | 115.1  | 91.0   | 79.9  | 72.6  |
| 75°    | 976.9  | 650.4  | 425.9  | 227.1  | 134.6  | 99.9   | 87.3   | 77.8   | 72.0   | 69.4  | 63.1  |
| 77.5°  | 412.2  | 257.6  | 174.6  | 127.8  | 90.4   | 77.3   | 67.3   | 62.0   | 61.5   | 59.9  | 54.2  |
| 80°    | 187.7  | 160.9  | 137.2  | 96.2   | 68.9   | 58.9   | 51.5   | 50.5   | 51.5   | 49.9  | 44.2  |
| 82.5°  | 139.3  | 137.2  | 114.6  | 74.1   | 52.6   | 39.4   | 32.1   | 33.6   | 37.9   | 41.0  | 35.8  |
| 85°    | 116.2  | 116.2  | 96.2   | 55.2   | 34.7   | 25.2   | 24.7   | 27.9   | 31.5   | 34.2  | 28.9  |
| 87.5°  | 106.7  | 102.5  | 55.2   | 28.4   | 20.0   | 16.3   | 15.2   | 13.7   | 13.7   | 23.7  | 20.0  |
| 90°    | 10.5   | 4.7    | 2.6    | 2.1    | 2.6    | 2.1    | 3.2    | 2.6    | 2.6    | 2.6   | 2.6   |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   |



REPORT NUMBER: P227115  
 CATALOG NUMBER: IST-AF-600-LED-E1-SL4-7030

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P227115  
 CATALOG NUMBER: IST-AF-600-LED-E1-SL4-7030

**CANDELA DISTRIBUTION (continued):**

|        | 105°  | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 542.6 | 542.6 | 542.6 | 542.6 | 542.6 | 542.6 | 542.6 | 542.6 | 542.6 | 542.6 | 542.6 |
| 2.5°   | 529.4 | 527.3 | 522.1 | 521.0 | 519.5 | 517.4 | 516.8 | 514.2 | 508.9 | 507.9 | 508.4 |
| 5°     | 505.3 | 496.9 | 491.1 | 486.3 | 482.7 | 473.2 | 469.5 | 465.3 | 457.9 | 455.8 | 452.7 |
| 7.5°   | 476.9 | 466.9 | 455.3 | 446.9 | 436.9 | 426.9 | 419.0 | 409.0 | 401.2 | 396.4 | 388.0 |
| 10°    | 454.8 | 441.1 | 425.9 | 409.0 | 395.9 | 380.7 | 370.7 | 359.1 | 346.5 | 334.9 | 326.5 |
| 12.5°  | 438.0 | 419.0 | 397.0 | 377.0 | 358.0 | 341.7 | 323.9 | 307.6 | 291.8 | 276.0 | 262.4 |
| 15°    | 424.3 | 400.6 | 372.8 | 347.5 | 324.4 | 300.2 | 280.2 | 257.6 | 237.6 | 224.0 | 206.6 |
| 17.5°  | 409.6 | 379.1 | 346.0 | 316.5 | 286.5 | 261.3 | 236.1 | 212.4 | 193.5 | 175.6 | 161.4 |
| 20°    | 391.7 | 354.9 | 319.1 | 285.0 | 250.8 | 221.9 | 196.1 | 173.5 | 155.1 | 140.9 | 130.4 |
| 22.5°  | 371.7 | 328.6 | 287.1 | 249.7 | 215.6 | 187.2 | 163.0 | 146.2 | 132.5 | 124.6 | 121.5 |
| 25°    | 352.3 | 302.8 | 256.0 | 215.0 | 180.9 | 156.7 | 140.4 | 126.2 | 119.3 | 116.2 | 116.2 |
| 27.5°  | 334.4 | 276.6 | 224.5 | 184.5 | 151.4 | 132.5 | 119.9 | 114.1 | 110.9 | 110.9 | 112.5 |
| 30°    | 317.6 | 250.3 | 194.5 | 154.0 | 127.8 | 113.6 | 106.7 | 104.6 | 105.2 | 107.3 | 109.4 |
| 32.5°  | 298.1 | 225.0 | 168.8 | 132.5 | 110.9 | 101.5 | 96.2  | 96.7  | 99.4  | 103.1 | 106.7 |
| 35°    | 277.6 | 198.2 | 146.2 | 116.2 | 99.4  | 92.0  | 88.9  | 89.4  | 93.1  | 97.8  | 101.5 |
| 37.5°  | 259.2 | 176.7 | 128.8 | 103.6 | 91.0  | 86.2  | 83.6  | 84.1  | 86.8  | 92.5  | 97.3  |
| 40°    | 240.8 | 158.3 | 114.6 | 96.2  | 86.2  | 81.5  | 79.9  | 79.4  | 81.5  | 86.8  | 92.5  |
| 42.5°  | 225.0 | 142.5 | 106.2 | 91.0  | 83.1  | 78.9  | 76.8  | 76.8  | 77.8  | 82.0  | 87.8  |
| 45°    | 215.6 | 133.0 | 100.4 | 87.3  | 80.4  | 76.8  | 74.7  | 73.6  | 75.2  | 77.8  | 83.1  |
| 47.5°  | 215.6 | 128.3 | 96.7  | 84.6  | 78.3  | 75.2  | 72.6  | 72.0  | 72.6  | 75.2  | 80.4  |
| 50°    | 222.9 | 129.3 | 96.2  | 83.6  | 77.3  | 73.1  | 70.5  | 70.5  | 71.5  | 75.2  | 79.4  |
| 52.5°  | 229.2 | 131.4 | 97.8  | 84.6  | 77.3  | 72.0  | 68.9  | 68.3  | 69.9  | 73.6  | 77.3  |
| 55°    | 228.2 | 131.4 | 99.4  | 86.2  | 78.9  | 72.6  | 68.3  | 67.8  | 68.9  | 72.6  | 76.2  |
| 57.5°  | 204.0 | 123.6 | 97.8  | 87.3  | 81.0  | 75.2  | 71.0  | 69.4  | 70.5  | 73.6  | 76.8  |
| 60°    | 165.1 | 109.9 | 93.6  | 87.3  | 84.1  | 79.9  | 75.7  | 74.7  | 75.2  | 78.3  | 82.0  |
| 62.5°  | 129.3 | 97.8  | 88.3  | 86.8  | 85.7  | 83.6  | 82.0  | 81.0  | 81.0  | 83.6  | 86.8  |
| 65°    | 105.2 | 88.3  | 84.1  | 84.6  | 85.7  | 85.2  | 84.6  | 84.1  | 84.1  | 85.7  | 88.9  |
| 67.5°  | 87.8  | 79.4  | 78.3  | 79.9  | 81.0  | 81.5  | 82.0  | 81.5  | 82.0  | 83.6  | 87.3  |
| 69°    | 79.9  | 74.7  | 73.6  | 74.7  | 76.8  | 77.3  | 78.3  | 77.8  | 78.3  | 79.9  | 83.6  |
| 70°    | 75.2  | 71.0  | 69.9  | 71.5  | 73.1  | 73.6  | 74.7  | 74.1  | 74.7  | 76.2  | 79.9  |
| 72.5°  | 65.2  | 60.5  | 58.9  | 59.9  | 61.5  | 61.5  | 63.1  | 63.6  | 62.6  | 63.1  | 65.7  |
| 75°    | 55.7  | 50.5  | 47.8  | 48.4  | 48.4  | 48.4  | 49.4  | 49.4  | 48.4  | 47.8  | 48.4  |
| 77.5°  | 46.8  | 41.0  | 37.9  | 37.9  | 37.9  | 37.3  | 35.8  | 36.3  | 36.8  | 36.3  | 36.8  |
| 80°    | 36.8  | 32.1  | 28.9  | 28.9  | 28.9  | 27.9  | 27.3  | 27.3  | 28.4  | 29.4  | 28.9  |
| 82.5°  | 28.4  | 23.7  | 22.1  | 21.6  | 21.6  | 20.5  | 20.5  | 21.6  | 21.0  | 21.6  | 22.6  |
| 85°    | 20.5  | 16.8  | 15.2  | 15.8  | 15.2  | 14.2  | 14.7  | 16.3  | 16.3  | 15.8  | 16.8  |
| 87.5°  | 12.6  | 10.5  | 10.0  | 10.5  | 9.5   | 7.9   | 7.4   | 7.9   | 8.9   | 8.4   | 9.5   |
| 90°    | 1.6   | 1.1   | 1.1   | 1.1   | 1.6   | 1.1   | 1.1   | 1.1   | 1.6   | 1.6   | 1.1   |
| 92.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 95°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 97.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 100°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 102.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 105°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 107.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



REPORT NUMBER: P227115  
 CATALOG NUMBER: IST-AF-600-LED-E1-SL4-7030

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|        | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |        |
|--------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 110°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0°     |
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 2.5°   |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 5°     |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 7.5°   |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 10°    |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 12.5°  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 15°    |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 17.5°  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 20°    |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 22.5°  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 25°    |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 27.5°  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 30°    |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 32.5°  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 35°    |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 37.5°  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 40°    |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 42.5°  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 45°    |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 47.5°  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 50°    |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 52.5°  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 55°    |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 57.5°  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 60°    |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 62.5°  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 65°    |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 67.5°  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 69°    |
|        |      |      |      |      |      |      |      |      |      |      |      | 70°    |
|        |      |      |      |      |      |      |      |      |      |      |      | 72.5°  |
|        |      |      |      |      |      |      |      |      |      |      |      | 75°    |
|        |      |      |      |      |      |      |      |      |      |      |      | 77.5°  |
|        |      |      |      |      |      |      |      |      |      |      |      | 80°    |
|        |      |      |      |      |      |      |      |      |      |      |      | 82.5°  |
|        |      |      |      |      |      |      |      |      |      |      |      | 85°    |
|        |      |      |      |      |      |      |      |      |      |      |      | 87.5°  |
|        |      |      |      |      |      |      |      |      |      |      |      | 90°    |
|        |      |      |      |      |      |      |      |      |      |      |      | 92.5°  |
|        |      |      |      |      |      |      |      |      |      |      |      | 95°    |
|        |      |      |      |      |      |      |      |      |      |      |      | 97.5°  |
|        |      |      |      |      |      |      |      |      |      |      |      | 100°   |
|        |      |      |      |      |      |      |      |      |      |      |      | 102.5° |
|        |      |      |      |      |      |      |      |      |      |      |      | 105°   |
|        |      |      |      |      |      |      |      |      |      |      |      | 107.5° |

NUMBER: P227115  
 NUMBER: IST-AF-600-LED-E1-SL4-7030

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

| 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 542.6 | 542.6 | 542.6 | 542.6 | 542.6 |
| 504.7 | 506.3 | 499.5 | 502.6 | 500.5 |
| 449.5 | 446.9 | 446.4 | 444.8 | 441.6 |
| 384.9 | 382.8 | 376.4 | 378.6 | 373.8 |
| 318.1 | 317.6 | 306.0 | 306.5 | 300.7 |
| 256.6 | 247.1 | 242.4 | 235.5 | 239.2 |
| 198.7 | 190.9 | 180.9 | 178.2 | 181.9 |
| 149.8 | 142.0 | 137.2 | 133.0 | 131.4 |
| 124.1 | 119.3 | 116.7 | 115.1 | 114.1 |
| 119.9 | 118.8 | 118.3 | 117.2 | 116.7 |
| 117.2 | 118.3 | 118.3 | 118.3 | 117.2 |
| 114.6 | 116.7 | 117.2 | 116.7 | 115.7 |
| 112.0 | 113.6 | 113.6 | 113.0 | 111.5 |
| 108.3 | 109.9 | 109.9 | 109.4 | 108.3 |
| 104.1 | 105.2 | 105.7 | 105.7 | 106.2 |
| 100.9 | 102.0 | 103.1 | 104.1 | 105.7 |
| 97.3  | 98.8  | 99.4  | 101.5 | 103.6 |
| 92.5  | 94.6  | 95.7  | 97.3  | 99.4  |
| 87.8  | 90.4  | 91.0  | 93.1  | 95.2  |
| 85.7  | 87.8  | 87.8  | 89.4  | 91.0  |
| 83.1  | 84.1  | 83.6  | 84.6  | 85.2  |
| 80.4  | 81.5  | 81.0  | 82.0  | 82.5  |
| 78.3  | 79.4  | 80.4  | 81.5  | 82.0  |
| 79.4  | 81.0  | 81.5  | 83.1  | 83.6  |
| 84.1  | 86.2  | 88.3  | 90.4  | 92.0  |
| 88.9  | 91.5  | 96.2  | 105.7 | 109.4 |
| 91.5  | 95.2  | 106.2 | 122.5 | 127.2 |
| 89.9  | 94.6  | 107.8 | 125.1 | 130.9 |
| 86.8  | 90.4  | 104.6 | 122.5 | 127.8 |
| 82.5  | 86.2  | 100.4 | 119.9 | 124.6 |
| 66.8  | 68.9  | 84.6  | 103.1 | 106.2 |
| 48.9  | 50.5  | 62.6  | 69.9  | 69.4  |
| 37.9  | 40.0  | 44.2  | 44.7  | 44.2  |
| 30.0  | 31.0  | 33.1  | 33.1  | 33.6  |
| 23.1  | 23.7  | 24.7  | 23.7  | 23.1  |
| 17.4  | 16.8  | 16.3  | 15.8  | 15.2  |
| 10.0  | 10.0  | 8.4   | 7.4   | 6.8   |
| 1.1   | 1.6   | 1.6   | 1.1   | 0.0   |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

**CANDELA DISTRIBUTION:**

|        | 160° |
|--------|------|
| 110°   | 0.0  |
| 112.5° | 0.0  |
| 115°   | 0.0  |
| 117.5° | 0.0  |
| 120°   | 0.0  |
| 122.5° | 0.0  |
| 125°   | 0.0  |
| 127.5° | 0.0  |
| 130°   | 0.0  |
| 132.5° | 0.0  |
| 135°   | 0.0  |
| 137.5° | 0.0  |
| 140°   | 0.0  |
| 142.5° | 0.0  |
| 145°   | 0.0  |
| 147.5° | 0.0  |
| 150°   | 0.0  |
| 152.5° | 0.0  |
| 155°   | 0.0  |
| 157.5° | 0.0  |
| 160°   | 0.0  |
| 162.5° | 0.0  |
| 165°   | 0.0  |
| 167.5° | 0.0  |
| 170°   | 0.0  |
| 172.5° | 0.0  |
| 175°   | 0.0  |
| 177.5° | 0.0  |
| 180°   | 0.0  |

