

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: INVUE

Report Number: P160204

Luminaire Tested: **ENV-F02-LED-E1-SLR-7050-ULG**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P160204  
REPORT IS FROM IESNA LM-79-08 TEST DATA - UPLIGHT (P20107) AND DOWNLIGHT  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ENV-F02-LED-E1-SLR-7050-ULG  
Description: ENTRI LED LUMINAIRE WITH UPLIGHT  
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (14) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4440.1 lumens  
Efficiency: N/A  
Efficacy: 77.5 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G2

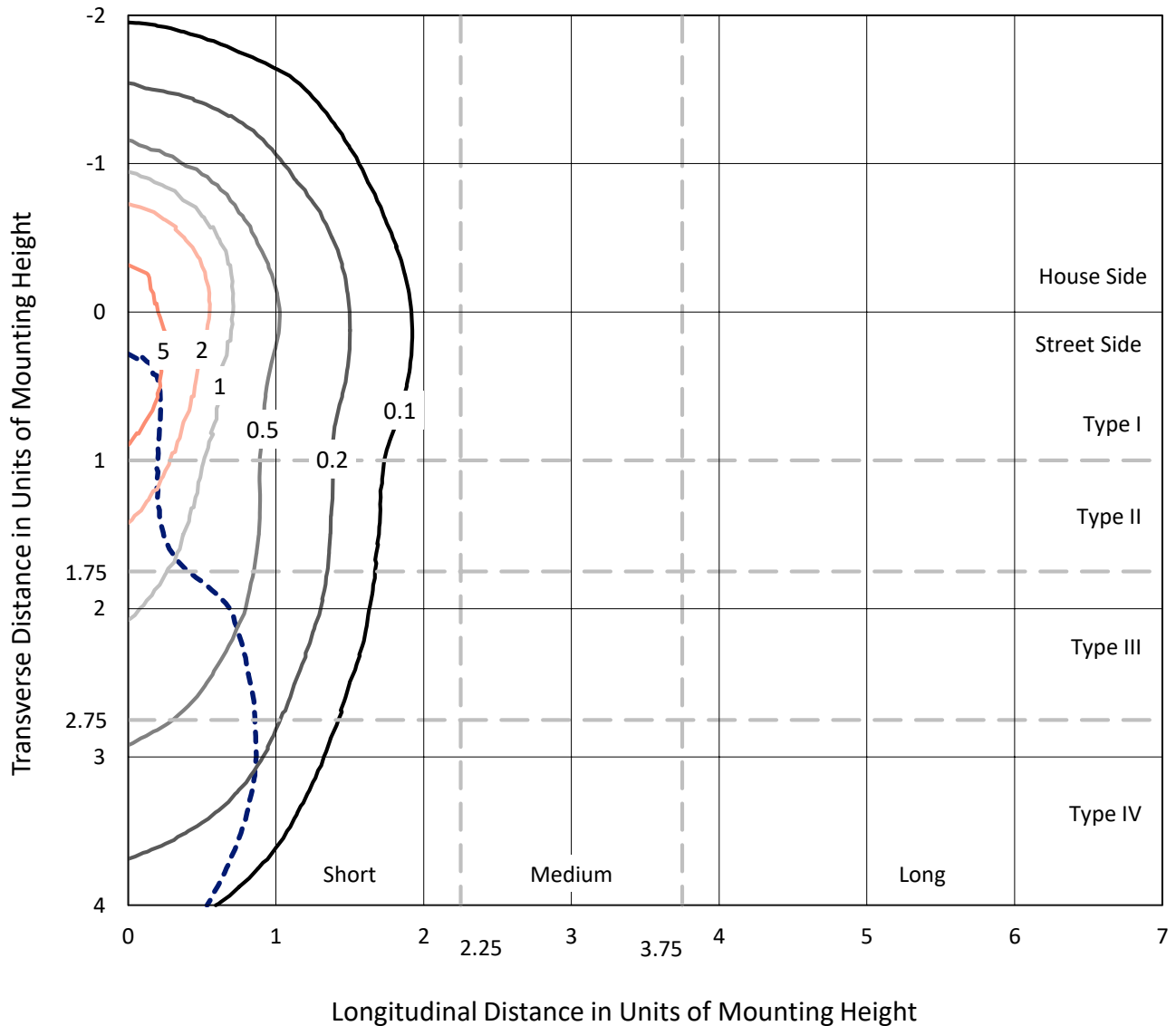
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

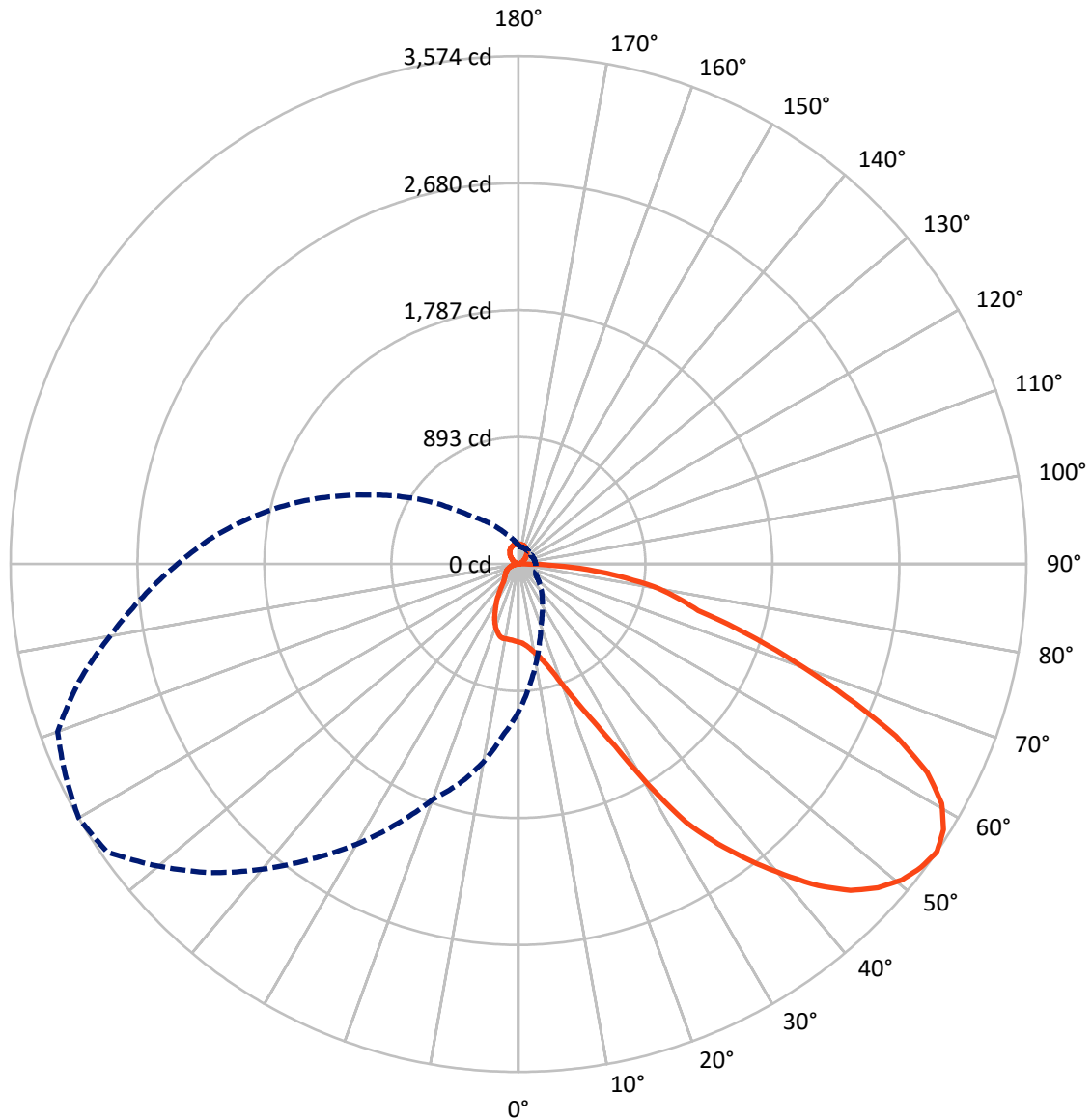
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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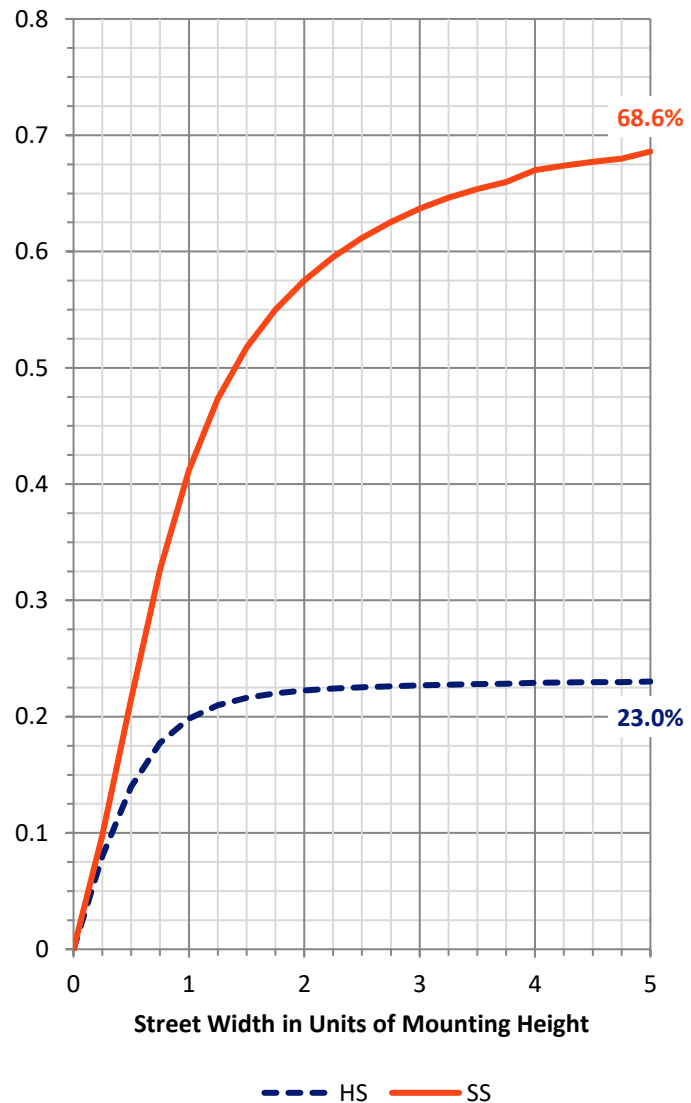
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1030.9   | 157.7  | 1188.7 |
|                    | % Fixture | 23.2     | 3.6    | 26.8   |
| <b>Street Side</b> | Lumens    | 3093.7   | 157.7  | 3251.4 |
|                    | % Fixture | 69.7     | 3.6    | 73.2   |
| <b>Total</b>       | Lumens    | 4124.6   | 315.5  | 4440.1 |
|                    | % Fixture | 92.9     | 7.1    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 54.1   | 1.2       |
| 10°-20°   | 178.0  | 4.0       |
| 20°-30°   | 345.4  | 7.8       |
| 30°-40°   | 542.8  | 12.2      |
| 40°-50°   | 725.6  | 16.3      |
| 50°-60°   | 851.3  | 19.2      |
| 60°-70°   | 807.7  | 18.2      |
| 70°-80°   | 487.5  | 11.0      |
| 80°-90°   | 132.1  | 3.0       |
| 90°-100°  | 1.3    | 0.0       |
| 100°-110° | 12.3   | 0.3       |
| 110°-120° | 25.2   | 0.6       |
| 120°-130° | 43.0   | 1.0       |
| 130°-140° | 60.0   | 1.4       |
| 140°-150° | 65.4   | 1.5       |
| 150°-160° | 56.9   | 1.3       |
| 160°-170° | 38.2   | 0.9       |
| 170°-180° | 13.3   | 0.3       |
| 0°-90°    | 4124.6 | 92.9      |
| 0°-180°   | 4440.1 | 100.0     |



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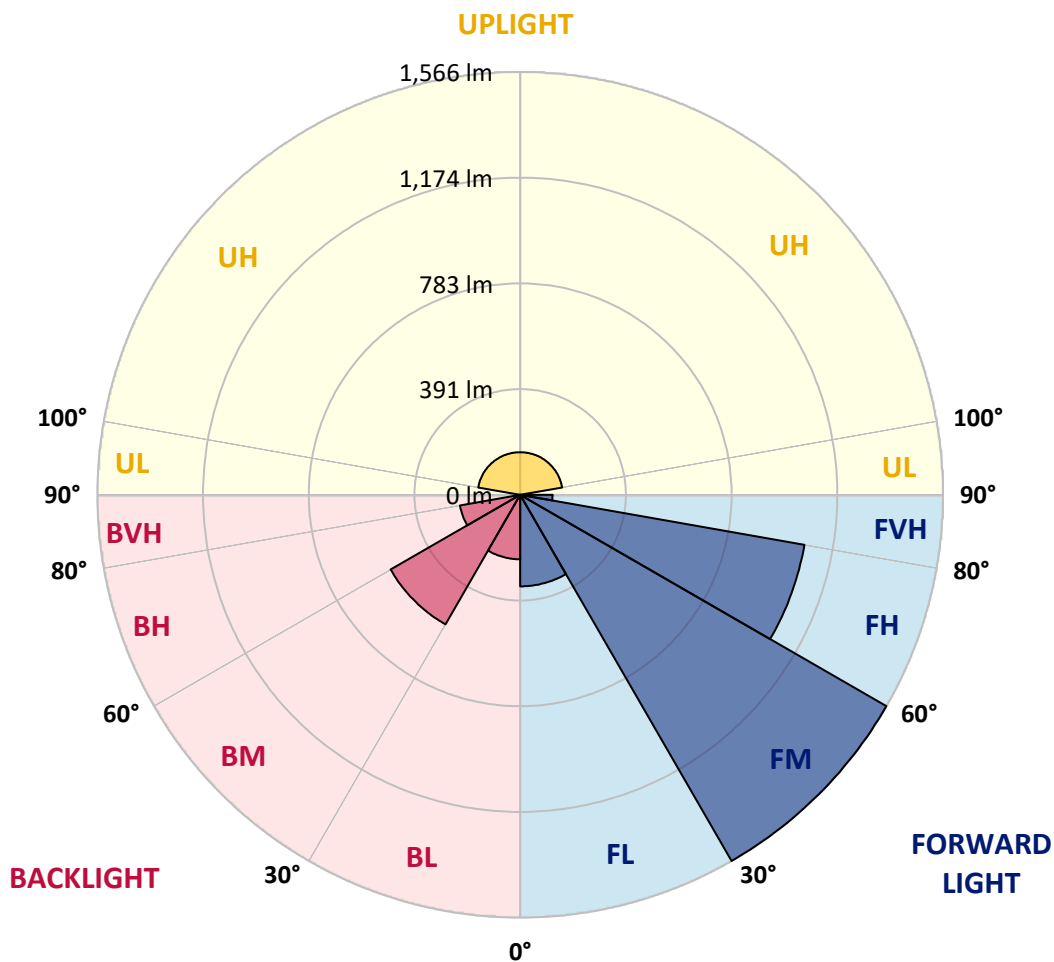
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|------|-------------|--------|-----------|-------------------------|--------|---------|
|      |             |        |           | B                       | U      | G       |
| FL   | (0°-30°)    | 339.0  | 7.6       |                         |        |         |
| FM   | (30°-60°)   | 1565.8 | 35.3      |                         |        |         |
| FH   | (60°-80°)   | 1068.8 | 24.1      |                         |        | G1/1800 |
| FVH  | (80°-90°)   | 120.1  | 2.7       |                         |        | G2/225  |
| BL   | (0°-30°)    | 238.6  | 5.4       | B1/500                  |        |         |
| BM   | (30°-60°)   | 554.0  | 12.5      | B1/1000                 |        |         |
| BH   | (60°-80°)   | 226.3  | 5.1       | B1/500                  |        | G1/500  |
| BVH  | (80°-90°)   | 12.0   | 0.3       |                         |        | G1/100  |
| UL   | (90°-100°)  | 1.3    | 0.0       |                         | U1/10  |         |
| UH   | (100°-180°) | 157.7  | 3.6       |                         | U3/500 |         |

**BUG Rating: B1-U3-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 549.8  | 549.8  | 549.8  | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 |
| 2.5°   | 561.6  | 565.8  | 560.8  | 561.6 | 559.9 | 558.2 | 559.1 | 558.2 | 556.5 | 556.5 | 554.8 |
| 5°     | 575.2  | 576.0  | 572.6  | 571.8 | 570.1 | 567.5 | 568.4 | 565.8 | 564.2 | 562.5 | 559.1 |
| 7.5°   | 591.3  | 590.4  | 586.2  | 583.6 | 582.8 | 578.6 | 577.7 | 574.3 | 571.8 | 569.2 | 565.0 |
| 10°    | 615.8  | 609.0  | 604.0  | 599.7 | 598.0 | 593.0 | 588.7 | 587.0 | 582.8 | 576.9 | 573.5 |
| 12.5°  | 651.4  | 647.2  | 637.0  | 628.5 | 623.4 | 616.7 | 610.7 | 606.5 | 599.7 | 591.3 | 587.0 |
| 15°    | 714.9  | 701.4  | 689.5  | 676.8 | 666.6 | 655.6 | 641.2 | 630.2 | 618.4 | 604.0 | 593.0 |
| 17.5°  | 797.1  | 780.2  | 761.5  | 741.2 | 720.0 | 696.3 | 668.3 | 647.2 | 623.4 | 598.9 | 581.9 |
| 20°    | 897.9  | 866.6  | 840.3  | 801.3 | 762.4 | 725.1 | 681.0 | 643.8 | 609.9 | 577.7 | 553.1 |
| 22.5°  | 1011.4 | 964.0  | 910.6  | 851.3 | 788.6 | 731.0 | 669.2 | 618.4 | 569.2 | 529.4 | 501.5 |
| 25°    | 1141.0 | 1066.5 | 985.1  | 895.4 | 805.6 | 720.0 | 643.8 | 580.2 | 527.7 | 480.3 | 449.0 |
| 27.5°  | 1220.6 | 1119.0 | 1021.6 | 914.8 | 812.3 | 713.2 | 620.1 | 546.4 | 486.2 | 435.4 | 399.0 |
| 30°    | 1237.6 | 1135.1 | 1020.7 | 904.7 | 798.8 | 690.4 | 588.7 | 506.6 | 439.6 | 386.3 | 349.8 |
| 32.5°  | 1249.4 | 1130.8 | 1003.8 | 875.0 | 759.8 | 645.5 | 542.1 | 460.8 | 389.7 | 337.1 | 294.8 |
| 35°    | 1252.8 | 1114.8 | 971.6  | 828.4 | 707.3 | 590.4 | 487.1 | 401.5 | 339.7 | 288.0 | 249.9 |
| 37.5°  | 1247.7 | 1088.5 | 928.4  | 780.2 | 650.6 | 528.6 | 426.9 | 352.4 | 299.9 | 249.9 | 216.0 |
| 40°    | 1227.4 | 1055.5 | 889.4  | 733.6 | 593.0 | 466.7 | 376.1 | 311.7 | 266.8 | 228.7 | 202.5 |
| 42.5°  | 1201.2 | 1017.3 | 846.2  | 679.4 | 537.0 | 417.6 | 335.4 | 283.8 | 245.7 | 218.5 | 196.5 |
| 45°    | 1168.1 | 977.5  | 801.3  | 631.1 | 489.6 | 380.3 | 311.7 | 268.5 | 238.9 | 215.2 | 194.8 |
| 47.5°  | 1127.5 | 935.2  | 758.1  | 594.6 | 457.4 | 361.7 | 306.6 | 268.5 | 238.9 | 213.5 | 191.4 |
| 50°    | 1089.3 | 897.1  | 725.1  | 571.8 | 443.0 | 362.5 | 311.7 | 271.9 | 238.0 | 210.1 | 185.5 |
| 52.5°  | 1059.7 | 874.2  | 711.5  | 563.3 | 444.7 | 371.0 | 321.9 | 277.0 | 240.6 | 210.1 | 183.8 |
| 55°    | 1041.1 | 864.9  | 709.8  | 570.9 | 462.5 | 393.9 | 338.0 | 292.2 | 252.4 | 216.9 | 186.4 |
| 57.5°  | 1043.6 | 875.0  | 730.2  | 602.3 | 503.2 | 433.7 | 370.2 | 319.3 | 269.4 | 225.3 | 187.2 |
| 60°    | 1069.9 | 908.9  | 779.3  | 676.0 | 570.9 | 487.1 | 410.8 | 343.1 | 277.0 | 222.8 | 181.3 |
| 62.5°  | 1135.9 | 988.5  | 882.7  | 776.8 | 654.8 | 539.6 | 435.4 | 347.3 | 268.5 | 210.1 | 166.9 |
| 65°    | 1261.3 | 1131.7 | 1030.0 | 897.9 | 724.2 | 561.6 | 432.9 | 334.6 | 252.4 | 189.7 | 147.4 |
| 67.5°  | 1384.1 | 1246.9 | 1103.7 | 904.7 | 707.3 | 545.5 | 404.9 | 303.3 | 223.6 | 162.6 | 130.4 |
| 70°    | 1502.7 | 1324.8 | 1141.0 | 896.2 | 658.2 | 469.3 | 338.0 | 253.3 | 177.9 | 135.5 | 111.8 |
| 72.5°  | 1424.8 | 1219.8 | 1031.7 | 790.3 | 565.8 | 385.4 | 269.4 | 183.8 | 136.4 | 111.8 | 96.6  |
| 75°    | 1087.6 | 945.3  | 781.9  | 606.5 | 417.6 | 271.9 | 179.6 | 130.4 | 105.0 | 88.1  | 78.8  |
| 77.5°  | 782.7  | 676.8  | 543.0  | 398.1 | 260.9 | 172.0 | 122.0 | 93.2  | 77.9  | 66.1  | 61.0  |
| 80°    | 454.0  | 389.7  | 304.1  | 219.4 | 149.1 | 107.6 | 81.3  | 66.1  | 56.8  | 48.3  | 46.6  |
| 82.5°  | 283.8  | 227.0  | 160.9  | 108.4 | 76.2  | 59.3  | 47.4  | 40.7  | 33.9  | 29.6  | 25.4  |
| 85°    | 122.8  | 88.1   | 50.0   | 28.0  | 21.2  | 16.1  | 12.7  | 11.0  | 9.3   | 8.5   | 6.8   |
| 87.5°  | 4.2    | 4.2    | 4.2    | 4.2   | 4.2   | 4.2   | 5.1   | 5.1   | 5.1   | 5.1   | 4.2   |
| 90°    | 0.1    | 0.1    | 0.1    | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   |
| 92.5°  | 0.1    | 0.1    | 0.1    | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   |
| 95°    | 0.5    | 0.5    | 0.5    | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |
| 97.5°  | 1.5    | 1.5    | 1.5    | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   |
| 100°   | 5.0    | 5.0    | 5.0    | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   |
| 102.5° | 8.8    | 8.8    | 8.8    | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   |
| 105°   | 11.8   | 11.8   | 11.8   | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  |
| 107.5° | 14.7   | 14.7   | 14.7   | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  |
| 110°   | 17.8   | 17.8   | 17.8   | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  |
| 115°   | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  |
| 117.5° | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  |
| 120°   | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  |
| 122.5° | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  |
| 125°   | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  |
| 127.5° | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  |
| 130°   | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  |
| 132.5° | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  |
| 135°   | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  |
| 137.5° | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  |
| 140°   | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  |
| 142.5° | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| 145°   | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 |
| 147.5° | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 |
| 150°   | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 |
| 152.5° | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 |
| 155°   | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 |
| 157.5° | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 |
| 160°   | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 |
| 162.5° | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 |
| 165°   | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 |
| 167.5° | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 |
| 170°   | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 |
| 172.5° | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 |
| 175°   | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 |
| 177.5° | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 |
| 180°   | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 |





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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 |
| 2.5°   | 554.8 | 553.1 | 552.3 | 552.3 | 550.6 | 550.6 | 548.9 | 549.8 | 548.9 | 547.2 | 546.4 |
| 5°     | 558.2 | 555.7 | 554.0 | 552.3 | 549.8 | 548.9 | 547.2 | 547.2 | 544.7 | 542.1 | 541.3 |
| 7.5°   | 562.5 | 559.1 | 556.5 | 553.1 | 549.8 | 548.1 | 544.7 | 543.0 | 540.4 | 537.9 | 537.0 |
| 10°    | 570.9 | 565.0 | 560.8 | 556.5 | 550.6 | 547.2 | 542.1 | 539.6 | 537.0 | 533.7 | 532.0 |
| 12.5°  | 580.2 | 572.6 | 566.7 | 556.5 | 550.6 | 544.7 | 539.6 | 534.5 | 529.4 | 526.0 | 525.2 |
| 15°    | 580.2 | 570.9 | 558.2 | 548.9 | 540.4 | 532.0 | 526.9 | 521.8 | 515.9 | 513.3 | 512.5 |
| 17.5°  | 565.8 | 549.8 | 537.9 | 527.7 | 520.1 | 513.3 | 508.2 | 505.7 | 500.6 | 495.5 | 493.8 |
| 20°    | 532.8 | 514.2 | 500.6 | 489.6 | 481.1 | 474.4 | 472.7 | 470.1 | 467.6 | 467.6 | 468.4 |
| 22.5°  | 478.6 | 458.3 | 446.4 | 434.5 | 425.2 | 421.8 | 422.7 | 425.2 | 426.1 | 425.2 | 431.2 |
| 25°    | 424.4 | 404.9 | 388.8 | 377.8 | 366.8 | 369.3 | 365.9 | 371.9 | 374.4 | 375.3 | 382.0 |
| 27.5°  | 371.9 | 350.7 | 333.7 | 324.4 | 319.3 | 316.0 | 313.4 | 321.0 | 322.7 | 328.7 | 334.6 |
| 30°    | 316.0 | 296.5 | 277.0 | 269.4 | 265.1 | 262.6 | 263.4 | 270.2 | 274.5 | 282.9 | 288.0 |
| 32.5°  | 264.3 | 240.6 | 226.2 | 216.0 | 211.8 | 210.9 | 211.8 | 216.9 | 221.9 | 232.9 | 240.6 |
| 35°    | 220.2 | 197.4 | 185.5 | 179.6 | 173.7 | 171.1 | 173.7 | 175.3 | 177.0 | 186.4 | 195.7 |
| 37.5°  | 194.8 | 178.7 | 169.4 | 163.5 | 159.3 | 156.7 | 156.7 | 155.9 | 156.7 | 158.4 | 162.6 |
| 40°    | 183.8 | 172.0 | 163.5 | 157.6 | 154.2 | 152.5 | 151.6 | 150.8 | 149.9 | 149.9 | 149.9 |
| 42.5°  | 179.6 | 166.0 | 157.6 | 152.5 | 150.8 | 150.8 | 150.8 | 149.9 | 148.2 | 146.5 | 145.7 |
| 45°    | 176.2 | 161.8 | 152.5 | 148.2 | 148.2 | 148.2 | 149.1 | 148.2 | 146.5 | 144.0 | 141.5 |
| 47.5°  | 170.3 | 155.9 | 147.4 | 144.0 | 144.0 | 144.0 | 144.8 | 144.0 | 142.3 | 140.6 | 138.1 |
| 50°    | 163.5 | 148.2 | 139.8 | 137.2 | 136.4 | 136.4 | 135.5 | 134.7 | 133.8 | 132.1 | 129.6 |
| 52.5°  | 159.3 | 143.2 | 135.5 | 133.8 | 132.1 | 131.3 | 129.6 | 128.8 | 127.1 | 126.2 | 123.7 |
| 55°    | 158.4 | 139.8 | 133.0 | 131.3 | 129.6 | 127.1 | 123.7 | 122.0 | 118.6 | 117.7 | 116.0 |
| 57.5°  | 155.9 | 136.4 | 128.8 | 124.5 | 120.3 | 117.7 | 114.4 | 112.7 | 111.0 | 109.3 | 107.6 |
| 60°    | 147.4 | 126.2 | 116.9 | 114.4 | 111.8 | 111.0 | 109.3 | 107.6 | 105.0 | 102.5 | 99.1  |
| 62.5°  | 131.3 | 113.5 | 107.6 | 106.7 | 105.9 | 104.2 | 102.5 | 100.0 | 98.3  | 94.9  | 91.5  |
| 65°    | 118.6 | 106.7 | 103.3 | 101.6 | 100.8 | 98.3  | 96.6  | 94.9  | 92.3  | 89.8  | 86.4  |
| 67.5°  | 107.6 | 99.1  | 97.4  | 94.9  | 94.0  | 92.3  | 89.8  | 88.1  | 85.6  | 83.0  | 79.6  |
| 70°    | 97.4  | 90.6  | 89.8  | 88.1  | 86.4  | 85.6  | 82.2  | 79.6  | 78.8  | 75.4  | 72.8  |
| 72.5°  | 86.4  | 82.2  | 80.5  | 78.8  | 77.1  | 76.2  | 74.5  | 72.8  | 71.2  | 67.8  | 64.4  |
| 75°    | 72.0  | 70.3  | 69.5  | 67.8  | 66.9  | 65.2  | 62.7  | 60.1  | 59.3  | 56.8  | 54.2  |
| 77.5°  | 57.6  | 55.9  | 55.9  | 54.2  | 51.7  | 49.1  | 46.6  | 43.2  | 43.2  | 43.2  | 41.5  |
| 80°    | 40.7  | 39.0  | 36.4  | 35.6  | 33.9  | 32.2  | 29.6  | 28.0  | 26.3  | 26.3  | 26.3  |
| 82.5°  | 23.7  | 22.9  | 21.2  | 18.6  | 16.9  | 16.1  | 13.6  | 11.9  | 11.0  | 9.3   | 9.3   |
| 85°    | 5.1   | 5.1   | 3.4   | 3.4   | 2.5   | 2.5   | 2.5   | 1.7   | 1.7   | 0.8   | 0.8   |
| 87.5°  | 4.2   | 4.2   | 4.2   | 3.4   | 3.4   | 3.4   | 2.5   | 2.5   | 2.5   | 1.7   | 1.7   |
| 90°    | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   |
| 92.5°  | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   |
| 95°    | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |
| 97.5°  | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   |
| 100°   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   |
| 102.5° | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   |
| 105°   | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  |
| 107.5° | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  |
| 110°   | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  |
| 115°   | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  |
| 117.5° | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  |
| 120°   | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  |
| 122.5° | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  |
| 125°   | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  |
| 127.5° | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  |
| 130°   | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  |
| 132.5° | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  |
| 135°   | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  |
| 137.5° | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  |
| 140°   | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  |
| 142.5° | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| 145°   | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 |
| 147.5° | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 |
| 150°   | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 |
| 152.5° | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 |
| 155°   | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 |
| 157.5° | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 |
| 160°   | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 |
| 162.5° | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 |
| 165°   | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 |
| 167.5° | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 |
| 170°   | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 |
| 172.5° | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 |
| 175°   | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 |
| 177.5° | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 |
| 180°   | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 |



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**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 |
| 2.5°   | 546.4 | 545.5 | 543.8 | 540.4 | 539.6 | 538.7 | 539.6 | 539.6 | 538.7 | 539.6 | 540.4 |
| 5°     | 541.3 | 540.4 | 537.9 | 536.2 | 534.5 | 534.5 | 539.6 | 539.6 | 537.0 | 537.9 | 541.3 |
| 7.5°   | 537.0 | 537.0 | 535.4 | 534.5 | 535.4 | 537.9 | 542.1 | 545.5 | 544.7 | 549.8 | 551.4 |
| 10°    | 532.0 | 532.8 | 533.7 | 537.0 | 542.1 | 546.4 | 553.1 | 559.1 | 560.8 | 565.0 | 567.5 |
| 12.5°  | 526.9 | 530.3 | 534.5 | 541.3 | 548.1 | 554.8 | 562.5 | 569.2 | 570.1 | 574.3 | 577.7 |
| 15°    | 514.2 | 519.3 | 525.2 | 532.8 | 543.0 | 550.6 | 561.6 | 566.7 | 568.4 | 570.9 | 575.2 |
| 17.5°  | 494.7 | 497.2 | 501.5 | 509.9 | 521.0 | 531.1 | 543.8 | 552.3 | 557.4 | 560.8 | 562.5 |
| 20°    | 468.4 | 473.5 | 476.1 | 483.7 | 489.6 | 497.2 | 514.2 | 525.2 | 535.4 | 540.4 | 545.5 |
| 22.5°  | 432.0 | 437.9 | 443.9 | 451.5 | 454.9 | 460.0 | 476.1 | 493.0 | 508.2 | 518.4 | 524.3 |
| 25°    | 386.3 | 393.0 | 401.5 | 410.8 | 415.1 | 420.1 | 438.8 | 455.7 | 474.4 | 492.2 | 500.6 |
| 27.5°  | 340.5 | 349.0 | 357.5 | 368.5 | 375.3 | 381.2 | 397.3 | 413.4 | 432.9 | 449.8 | 458.3 |
| 30°    | 296.5 | 308.3 | 316.0 | 328.7 | 334.6 | 340.5 | 354.9 | 372.7 | 386.3 | 405.7 | 416.8 |
| 32.5°  | 250.7 | 259.2 | 273.6 | 288.0 | 294.8 | 300.7 | 314.3 | 329.5 | 341.4 | 360.9 | 376.9 |
| 35°    | 209.2 | 216.9 | 232.1 | 246.5 | 250.7 | 260.1 | 273.6 | 287.2 | 298.2 | 316.0 | 331.2 |
| 37.5°  | 170.3 | 183.0 | 194.8 | 205.8 | 215.2 | 221.9 | 234.6 | 246.5 | 252.4 | 269.4 | 285.5 |
| 40°    | 151.6 | 157.6 | 166.0 | 176.2 | 182.1 | 188.9 | 198.2 | 208.4 | 215.2 | 227.0 | 240.6 |
| 42.5°  | 144.8 | 144.8 | 147.4 | 152.5 | 160.1 | 163.5 | 172.0 | 177.0 | 186.4 | 191.4 | 203.3 |
| 45°    | 139.8 | 138.1 | 138.9 | 138.9 | 141.5 | 144.0 | 150.8 | 155.9 | 161.8 | 166.0 | 173.7 |
| 47.5°  | 135.5 | 132.1 | 131.3 | 129.6 | 128.8 | 130.4 | 135.5 | 139.8 | 142.3 | 145.7 | 148.2 |
| 50°    | 126.2 | 123.7 | 121.1 | 119.4 | 118.6 | 120.3 | 124.5 | 127.9 | 128.8 | 130.4 | 132.1 |
| 52.5°  | 121.1 | 117.7 | 115.2 | 112.7 | 112.7 | 114.4 | 117.7 | 120.3 | 121.1 | 122.0 | 123.7 |
| 55°    | 114.4 | 112.7 | 111.0 | 108.4 | 107.6 | 110.1 | 112.7 | 115.2 | 116.9 | 116.9 | 118.6 |
| 57.5°  | 105.9 | 104.2 | 105.9 | 105.0 | 104.2 | 105.9 | 109.3 | 111.8 | 112.7 | 112.7 | 113.5 |
| 60°    | 97.4  | 96.6  | 96.6  | 98.3  | 100.0 | 102.5 | 105.0 | 108.4 | 107.6 | 105.9 | 106.7 |
| 62.5°  | 89.8  | 88.9  | 89.8  | 92.3  | 94.9  | 97.4  | 100.8 | 103.3 | 100.8 | 99.1  | 99.1  |
| 65°    | 84.7  | 83.9  | 84.7  | 85.6  | 86.4  | 88.9  | 93.2  | 94.0  | 92.3  | 92.3  | 92.3  |
| 67.5°  | 77.9  | 77.1  | 76.2  | 77.1  | 77.9  | 78.8  | 82.2  | 83.0  | 83.0  | 83.0  | 83.0  |
| 70°    | 69.5  | 68.6  | 67.8  | 67.8  | 67.8  | 68.6  | 69.5  | 71.2  | 72.8  | 74.5  | 75.4  |
| 72.5°  | 60.1  | 58.4  | 58.4  | 58.4  | 56.8  | 57.6  | 58.4  | 61.8  | 63.5  | 65.2  | 66.9  |
| 75°    | 50.8  | 49.1  | 49.1  | 47.4  | 48.3  | 49.1  | 49.1  | 50.8  | 52.5  | 55.1  | 56.8  |
| 77.5°  | 39.8  | 39.8  | 39.8  | 39.0  | 39.0  | 39.8  | 40.7  | 40.7  | 42.4  | 44.9  | 47.4  |
| 80°    | 25.4  | 25.4  | 27.1  | 28.0  | 28.8  | 29.6  | 31.3  | 32.2  | 33.0  | 35.6  | 36.4  |
| 82.5°  | 9.3   | 10.2  | 11.0  | 11.0  | 13.6  | 16.9  | 17.8  | 20.3  | 22.0  | 24.6  | 24.6  |
| 85°    | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   | 1.7   | 2.5   | 3.4   | 5.1   | 7.6   | 9.3   |
| 87.5°  | 1.7   | 0.8   | 0.8   | 0.8   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 90°    | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   |
| 92.5°  | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   |
| 95°    | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |
| 97.5°  | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   |
| 100°   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   |
| 102.5° | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   |
| 105°   | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  |
| 107.5° | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  |
| 110°   | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  |



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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |        |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 0°     |
| 115°   | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 2.5°   |
| 117.5° | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 5°     |
| 120°   | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 7.5°   |
| 122.5° | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 10°    |
| 125°   | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 12.5°  |
| 127.5° | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 15°    |
| 130°   | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 17.5°  |
| 132.5° | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 20°    |
| 135°   | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 22.5°  |
| 137.5° | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 25°    |
| 140°   | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 27.5°  |
| 142.5° | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 30°    |
| 145°   | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 32.5°  |
| 147.5° | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 35°    |
| 150°   | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 37.5°  |
| 152.5° | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 40°    |
| 155°   | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 42.5°  |
| 157.5° | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 45°    |
| 160°   | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 47.5°  |
| 162.5° | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 50°    |
| 165°   | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 52.5°  |
| 167.5° | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 55°    |
| 170°   | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 57.5°  |
| 172.5° | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 60°    |
| 175°   | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 62.5°  |
| 177.5° | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 65°    |
| 180°   | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 67.5°  |
|        |       |       |       |       |       |       |       |       |       |       |       | 70°    |
|        |       |       |       |       |       |       |       |       |       |       |       | 72.5°  |
|        |       |       |       |       |       |       |       |       |       |       |       | 75°    |
|        |       |       |       |       |       |       |       |       |       |       |       | 77.5°  |
|        |       |       |       |       |       |       |       |       |       |       |       | 80°    |
|        |       |       |       |       |       |       |       |       |       |       |       | 82.5°  |
|        |       |       |       |       |       |       |       |       |       |       |       | 85°    |
|        |       |       |       |       |       |       |       |       |       |       |       | 87.5°  |
|        |       |       |       |       |       |       |       |       |       |       |       | 90°    |
|        |       |       |       |       |       |       |       |       |       |       |       | 92.5°  |
|        |       |       |       |       |       |       |       |       |       |       |       | 95°    |
|        |       |       |       |       |       |       |       |       |       |       |       | 97.5°  |
|        |       |       |       |       |       |       |       |       |       |       |       | 100°   |
|        |       |       |       |       |       |       |       |       |       |       |       | 102.5° |
|        |       |       |       |       |       |       |       |       |       |       |       | 105°   |
|        |       |       |       |       |       |       |       |       |       |       |       | 107.5° |
|        |       |       |       |       |       |       |       |       |       |       |       | 110°   |

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 NUMBER: ENV-F02-LED-E1-SLR-7050-ULG

REPORT NUMBER: P  
 CATALOG NUMBER:

| <b>DISTRIBUTION (continued):</b> |       |       |       |       |       |       |       |       |       |       | <b>CANDELA DISTRIBUTION</b> |       |
|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------------|-------|
| 165°                             | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  | 165°                        | 165°  |
| 549.8                            | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 | 549.8 | 112.5°                      | 21.2  |
| 541.3                            | 543.8 | 543.0 | 542.1 | 543.0 | 544.7 | 543.8 | 544.7 | 545.5 | 547.2 | 546.4 | 115°                        | 25.0  |
| 542.1                            | 544.7 | 545.5 | 545.5 | 547.2 | 549.8 | 549.8 | 550.6 | 551.4 | 553.1 | 553.1 | 117.5°                      | 29.5  |
| 554.0                            | 559.9 | 559.9 | 560.8 | 563.3 | 565.8 | 566.7 | 567.5 | 566.7 | 566.7 | 566.7 | 120°                        | 34.8  |
| 571.8                            | 578.6 | 579.4 | 583.6 | 587.0 | 586.2 | 586.2 | 587.0 | 585.3 | 583.6 | 581.1 | 122.5°                      | 40.9  |
| 581.1                            | 587.0 | 588.7 | 593.0 | 598.0 | 598.9 | 601.4 | 603.1 | 601.4 | 597.2 | 593.0 | 125°                        | 47.8  |
| 578.6                            | 583.6 | 587.0 | 592.1 | 598.0 | 601.4 | 606.5 | 608.2 | 607.4 | 602.3 | 597.2 | 127.5°                      | 55.3  |
| 567.5                            | 573.5 | 577.7 | 584.5 | 591.3 | 596.3 | 601.4 | 604.0 | 604.0 | 599.7 | 596.3 | 130°                        | 63.0  |
| 549.8                            | 556.5 | 562.5 | 570.1 | 578.6 | 584.5 | 590.4 | 592.1 | 592.1 | 590.4 | 593.0 | 132.5°                      | 70.5  |
| 531.1                            | 538.7 | 545.5 | 553.1 | 564.2 | 570.1 | 576.9 | 581.9 | 584.5 | 587.9 | 598.9 | 135°                        | 77.9  |
| 507.4                            | 510.8 | 519.3 | 527.7 | 543.0 | 553.1 | 567.5 | 581.1 | 594.6 | 609.9 | 631.9 | 137.5°                      | 85.3  |
| 465.9                            | 471.8 | 482.0 | 493.8 | 509.1 | 527.7 | 554.0 | 580.2 | 604.8 | 627.7 | 654.8 | 140°                        | 92.5  |
| 431.2                            | 442.2 | 453.2 | 466.7 | 482.8 | 500.6 | 531.1 | 565.0 | 594.6 | 621.8 | 651.4 | 142.5°                      | 99.2  |
| 393.9                            | 407.4 | 421.8 | 439.6 | 454.9 | 471.0 | 496.4 | 533.7 | 569.2 | 599.7 | 631.1 | 145°                        | 104.9 |
| 350.7                            | 365.1 | 379.5 | 398.1 | 414.2 | 434.5 | 457.4 | 493.8 | 534.5 | 569.2 | 606.5 | 147.5°                      | 110.1 |
| 304.1                            | 316.8 | 332.9 | 349.8 | 368.5 | 392.2 | 416.8 | 450.6 | 493.0 | 530.3 | 572.6 | 150°                        | 115.1 |
| 260.1                            | 273.6 | 289.7 | 308.3 | 327.0 | 352.4 | 380.3 | 412.5 | 451.5 | 491.3 | 536.2 | 152.5°                      | 119.7 |
| 218.5                            | 236.3 | 253.3 | 271.9 | 291.4 | 315.1 | 344.8 | 379.5 | 418.5 | 460.8 | 508.2 | 155°                        | 123.7 |
| 183.8                            | 197.4 | 215.2 | 230.4 | 251.6 | 274.5 | 304.9 | 343.9 | 388.8 | 433.7 | 483.7 | 157.5°                      | 127.0 |
| 153.3                            | 161.8 | 177.0 | 195.7 | 215.2 | 238.9 | 264.3 | 303.3 | 349.0 | 398.1 | 454.0 | 160°                        | 130.3 |
| 134.7                            | 138.9 | 149.9 | 166.9 | 185.5 | 209.2 | 231.3 | 265.1 | 310.9 | 359.2 | 416.8 | 162.5°                      | 133.5 |
| 125.4                            | 127.1 | 133.0 | 145.7 | 163.5 | 184.7 | 208.4 | 237.2 | 277.8 | 325.3 | 380.3 | 165°                        | 136.0 |
| 120.3                            | 121.1 | 122.8 | 132.1 | 147.4 | 166.9 | 190.6 | 213.5 | 249.9 | 294.8 | 348.1 | 167.5°                      | 137.1 |
| 114.4                            | 115.2 | 116.0 | 121.1 | 132.1 | 149.1 | 169.4 | 188.1 | 221.1 | 260.9 | 311.7 | 170°                        | 137.4 |
| 108.4                            | 110.1 | 111.8 | 113.5 | 121.1 | 132.1 | 147.4 | 163.5 | 186.4 | 221.1 | 262.6 | 172.5°                      | 138.6 |
| 100.8                            | 102.5 | 105.0 | 106.7 | 109.3 | 116.0 | 125.4 | 135.5 | 147.4 | 172.0 | 205.8 | 175°                        | 140.5 |
| 94.0                             | 95.7  | 96.6  | 97.4  | 99.1  | 100.8 | 104.2 | 106.7 | 112.7 | 127.1 | 150.8 | 177.5°                      | 141.1 |
| 84.7                             | 86.4  | 86.4  | 87.2  | 88.1  | 88.1  | 89.8  | 90.6  | 92.3  | 96.6  | 106.7 | 180°                        | 140.8 |
| 77.1                             | 77.9  | 78.8  | 79.6  | 79.6  | 79.6  | 78.8  | 79.6  | 78.8  | 78.8  | 83.0  |                             |       |
| 67.8                             | 68.6  | 69.5  | 70.3  | 71.2  | 72.0  | 72.8  | 72.8  | 72.0  | 70.3  | 70.3  |                             |       |
| 57.6                             | 57.6  | 59.3  | 60.1  | 61.0  | 63.5  | 65.2  | 63.5  | 63.5  | 62.7  | 62.7  |                             |       |
| 48.3                             | 50.0  | 50.8  | 50.8  | 52.5  | 55.1  | 56.8  | 55.9  | 53.4  | 53.4  | 54.2  |                             |       |
| 37.3                             | 38.1  | 39.0  | 39.8  | 40.7  | 43.2  | 45.7  | 46.6  | 44.9  | 45.7  | 45.7  |                             |       |
| 24.6                             | 25.4  | 27.1  | 28.0  | 28.8  | 31.3  | 33.9  | 36.4  | 35.6  | 37.3  | 35.6  |                             |       |
| 11.0                             | 12.7  | 13.6  | 13.6  | 16.1  | 18.6  | 22.0  | 24.6  | 28.0  | 28.8  | 26.3  |                             |       |
| 0.0                              | 0.8   | 0.8   | 0.8   | 3.4   | 5.9   | 11.0  | 16.9  | 22.9  | 17.8  | 13.6  |                             |       |
| 0.1                              | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   |                             |       |
| 0.1                              | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   |                             |       |
| 0.5                              | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |                             |       |
| 1.5                              | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   |                             |       |
| 5.0                              | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   |                             |       |
| 8.8                              | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   |                             |       |
| 11.8                             | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  |                             |       |
| 14.7                             | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  |                             |       |
| 17.8                             | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  | 17.8  |                             |       |

'160204  
 ENV-F02-LED-E1-SLR-7050-ULG

REPORT NUMBER: P160204  
 CATALOG NUMBER: ENV-F02-I

**TION (continued):**

**CANDELA DISTRIBUTION (con**

| 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |        | 220°  | 225°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 0°     | 549.8 | 549.8 |
| 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 2.5°   | 546.4 | 547.2 |
| 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 5°     | 554.0 | 554.0 |
| 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 7.5°   | 565.0 | 565.0 |
| 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 10°    | 579.4 | 576.9 |
| 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 12.5°  | 587.9 | 583.6 |
| 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 15°    | 593.0 | 588.7 |
| 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 17.5°  | 594.6 | 594.6 |
| 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 20°    | 598.9 | 605.7 |
| 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 22.5°  | 613.3 | 630.2 |
| 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 25°    | 655.6 | 679.4 |
| 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 27.5°  | 688.7 | 720.0 |
| 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 30°    | 691.2 | 730.2 |
| 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 32.5°  | 676.0 | 718.3 |
| 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 35°    | 653.1 | 701.4 |
| 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 37.5°  | 625.1 | 679.4 |
| 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 40°    | 593.0 | 648.9 |
| 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 42.5°  | 563.3 | 620.9 |
| 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 45°    | 542.1 | 603.1 |
| 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 47.5°  | 519.3 | 584.5 |
| 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 50°    | 482.8 | 559.9 |
| 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 52.5°  | 443.9 | 521.0 |
| 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 55°    | 408.3 | 482.0 |
| 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 57.5°  | 370.2 | 444.7 |
| 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 60°    | 320.2 | 394.7 |
| 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 62.5°  | 255.8 | 326.1 |
| 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 65°    | 183.8 | 243.1 |
| 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 67.5°  | 124.5 | 165.2 |
|       |       |       |       |       |       |       |       |       |       | 70°    | 90.6  | 112.7 |
|       |       |       |       |       |       |       |       |       |       | 72.5°  | 73.7  | 84.7  |
|       |       |       |       |       |       |       |       |       |       | 75°    | 65.2  | 71.2  |
|       |       |       |       |       |       |       |       |       |       | 77.5°  | 57.6  | 61.0  |
|       |       |       |       |       |       |       |       |       |       | 80°    | 45.7  | 49.1  |
|       |       |       |       |       |       |       |       |       |       | 82.5°  | 35.6  | 39.0  |
|       |       |       |       |       |       |       |       |       |       | 85°    | 26.3  | 28.8  |
|       |       |       |       |       |       |       |       |       |       | 87.5°  | 11.9  | 11.9  |
|       |       |       |       |       |       |       |       |       |       | 90°    | 0.1   | 0.1   |
|       |       |       |       |       |       |       |       |       |       | 92.5°  | 0.1   | 0.1   |
|       |       |       |       |       |       |       |       |       |       | 95°    | 0.5   | 0.5   |
|       |       |       |       |       |       |       |       |       |       | 97.5°  | 1.5   | 1.5   |
|       |       |       |       |       |       |       |       |       |       | 100°   | 5.0   | 5.0   |
|       |       |       |       |       |       |       |       |       |       | 102.5° | 8.8   | 8.8   |
|       |       |       |       |       |       |       |       |       |       | 105°   | 11.8  | 11.8  |
|       |       |       |       |       |       |       |       |       |       | 107.5° | 14.7  | 14.7  |
|       |       |       |       |       |       |       |       |       |       | 110°   | 17.8  | 17.8  |



REPORT NUMBER: P160204

CATALOG NUMBER: ENV-F02-LED-E1-SLF

LED-E1-SLR-7050-ULG

**tinued):**

**CANDELA DISTRIBUTION (continued):**

| 230°  | 235°  | 240°  | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |        | 220°  | 225°  | 230°  |
|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 549.8 | 549.8 | 549.8 | 549.8  | 549.8  | 549.8  | 549.8  | 549.8  | 549.8  | 112.5° | 21.2  | 21.2  | 21.2  |
| 548.1 | 548.9 | 548.9 | 550.6  | 551.4  | 553.1  | 554.0  | 554.0  | 554.0  | 115°   | 25.0  | 25.0  | 25.0  |
| 555.7 | 556.5 | 557.4 | 559.9  | 560.8  | 563.3  | 565.8  | 566.7  | 569.2  | 117.5° | 29.5  | 29.5  | 29.5  |
| 565.0 | 567.5 | 568.4 | 570.1  | 571.8  | 576.0  | 579.4  | 581.1  | 583.6  | 120°   | 34.8  | 34.8  | 34.8  |
| 576.0 | 576.9 | 576.9 | 578.6  | 582.8  | 585.3  | 589.6  | 597.2  | 602.3  | 122.5° | 40.9  | 40.9  | 40.9  |
| 583.6 | 581.1 | 582.8 | 584.5  | 588.7  | 594.6  | 601.4  | 612.4  | 622.6  | 125°   | 47.8  | 47.8  | 47.8  |
| 588.7 | 588.7 | 593.0 | 596.3  | 604.0  | 613.3  | 626.0  | 641.2  | 656.5  | 127.5° | 55.3  | 55.3  | 55.3  |
| 598.0 | 600.6 | 609.9 | 616.7  | 630.2  | 643.8  | 659.9  | 681.0  | 703.9  | 130°   | 63.0  | 63.0  | 63.0  |
| 615.0 | 621.8 | 631.9 | 642.9  | 656.5  | 676.8  | 703.9  | 731.0  | 761.5  | 132.5° | 70.5  | 70.5  | 70.5  |
| 642.1 | 657.3 | 674.3 | 687.8  | 703.9  | 732.7  | 762.4  | 796.3  | 834.4  | 135°   | 77.9  | 77.9  | 77.9  |
| 701.4 | 718.3 | 743.7 | 766.6  | 789.5  | 831.0  | 869.1  | 908.1  | 959.7  | 137.5° | 85.3  | 85.3  | 85.3  |
| 753.1 | 780.2 | 820.0 | 853.0  | 884.3  | 934.3  | 976.7  | 1041.1 | 1096.1 | 140°   | 92.5  | 92.5  | 92.5  |
| 775.1 | 819.1 | 869.1 | 916.5  | 975.0  | 1024.1 | 1086.8 | 1163.9 | 1235.9 | 142.5° | 99.2  | 99.2  | 99.2  |
| 770.0 | 823.4 | 886.0 | 950.4  | 1019.9 | 1098.7 | 1170.7 | 1257.1 | 1351.1 | 145°   | 104.9 | 104.9 | 104.9 |
| 758.1 | 818.3 | 891.1 | 968.2  | 1051.2 | 1149.5 | 1240.1 | 1347.7 | 1464.6 | 147.5° | 110.1 | 110.1 | 110.1 |
| 743.7 | 814.0 | 895.4 | 986.0  | 1090.2 | 1207.1 | 1324.0 | 1464.6 | 1610.3 | 150°   | 115.1 | 115.1 | 115.1 |
| 721.7 | 802.2 | 900.4 | 1013.1 | 1141.0 | 1278.2 | 1431.6 | 1599.3 | 1756.0 | 152.5° | 119.7 | 119.7 | 119.7 |
| 697.1 | 787.8 | 906.4 | 1050.4 | 1211.3 | 1381.6 | 1558.6 | 1729.7 | 1908.5 | 155°   | 123.7 | 123.7 | 123.7 |
| 681.0 | 783.5 | 921.6 | 1093.6 | 1280.8 | 1478.1 | 1675.5 | 1862.7 | 2057.5 | 157.5° | 127.0 | 127.0 | 127.0 |
| 671.7 | 786.1 | 937.7 | 1125.8 | 1332.4 | 1550.1 | 1759.4 | 1974.5 | 2178.7 | 160°   | 130.3 | 130.3 | 130.3 |
| 663.3 | 792.9 | 952.1 | 1146.1 | 1365.5 | 1596.7 | 1825.4 | 2057.5 | 2283.7 | 162.5° | 133.5 | 133.5 | 133.5 |
| 641.2 | 790.3 | 957.2 | 1152.0 | 1382.4 | 1627.2 | 1871.2 | 2116.0 | 2356.6 | 165°   | 136.0 | 136.0 | 136.0 |
| 603.1 | 766.6 | 946.2 | 1146.1 | 1387.5 | 1645.0 | 1900.8 | 2159.2 | 2398.1 | 167.5° | 137.1 | 137.1 | 137.1 |
| 552.3 | 718.3 | 907.2 | 1120.7 | 1369.7 | 1636.6 | 1911.0 | 2187.1 | 2421.8 | 170°   | 137.4 | 137.4 | 137.4 |
| 495.5 | 642.9 | 838.6 | 1062.2 | 1312.1 | 1584.9 | 1866.1 | 2160.9 | 2394.7 | 172.5° | 138.6 | 138.6 | 138.6 |
| 417.6 | 548.9 | 745.4 | 963.1  | 1207.1 | 1478.1 | 1733.1 | 2055.0 | 2293.0 | 175°   | 140.5 | 140.5 | 140.5 |
| 319.3 | 436.2 | 605.7 | 827.6  | 1075.8 | 1313.0 | 1544.2 | 1866.1 | 2130.4 | 177.5° | 141.1 | 141.1 | 141.1 |
| 220.2 | 310.9 | 453.2 | 647.2  | 879.3  | 1097.8 | 1328.2 | 1628.9 | 1937.3 | 180°   | 140.8 | 140.8 | 140.8 |
| 143.2 | 201.6 | 299.9 | 449.0  | 632.8  | 834.4  | 1025.8 | 1301.1 | 1631.5 |        |       |       |       |
| 101.6 | 128.8 | 183.0 | 277.0  | 416.8  | 572.6  | 729.3  | 915.7  | 1230.8 |        |       |       |       |
| 80.5  | 94.0  | 112.7 | 160.9  | 244.0  | 356.6  | 482.8  | 600.6  | 864.0  |        |       |       |       |
| 65.2  | 71.2  | 80.5  | 99.1   | 144.0  | 205.8  | 284.6  | 378.6  | 537.0  |        |       |       |       |
| 52.5  | 56.8  | 62.7  | 70.3   | 88.9   | 118.6  | 165.2  | 208.4  | 306.6  |        |       |       |       |
| 42.4  | 47.4  | 49.1  | 50.0   | 57.6   | 67.8   | 87.2   | 117.7  | 175.3  |        |       |       |       |
| 30.5  | 32.2  | 32.2  | 33.0   | 34.7   | 37.3   | 50.0   | 86.4   | 127.9  |        |       |       |       |
| 11.9  | 10.2  | 11.0  | 8.5    | 9.3    | 10.2   | 16.1   | 18.6   | 29.6   |        |       |       |       |
| 0.1   | 0.1   | 0.1   | 0.1    | 0.1    | 0.1    | 0.1    | 0.1    | 0.1    |        |       |       |       |
| 0.1   | 0.1   | 0.1   | 0.1    | 0.1    | 0.1    | 0.1    | 0.1    | 0.1    |        |       |       |       |
| 0.5   | 0.5   | 0.5   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |        |       |       |       |
| 1.5   | 1.5   | 1.5   | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |        |       |       |       |
| 5.0   | 5.0   | 5.0   | 5.0    | 5.0    | 5.0    | 5.0    | 5.0    | 5.0    |        |       |       |       |
| 8.8   | 8.8   | 8.8   | 8.8    | 8.8    | 8.8    | 8.8    | 8.8    | 8.8    |        |       |       |       |
| 11.8  | 11.8  | 11.8  | 11.8   | 11.8   | 11.8   | 11.8   | 11.8   | 11.8   |        |       |       |       |
| 14.7  | 14.7  | 14.7  | 14.7   | 14.7   | 14.7   | 14.7   | 14.7   | 14.7   |        |       |       |       |
| 17.8  | 17.8  | 17.8  | 17.8   | 17.8   | 17.8   | 17.8   | 17.8   | 17.8   |        |       |       |       |

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3-7050-ULG

**CANDELA DISTRIBUTION (continued):**

| 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |        | 275°   | 280°   | 285°   | 290°   |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 0°     | 549.8  | 549.8  | 549.8  | 549.8  |
| 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 2.5°   | 556.5  | 556.5  | 555.7  | 555.7  |
| 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 5°     | 570.9  | 573.5  | 571.8  | 574.3  |
| 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 7.5°   | 589.6  | 591.3  | 593.0  | 596.3  |
| 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 10°    | 609.0  | 615.0  | 620.9  | 623.4  |
| 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 12.5°  | 631.9  | 642.9  | 654.8  | 660.7  |
| 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 15°    | 671.7  | 688.7  | 702.2  | 711.5  |
| 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 17.5°  | 724.2  | 747.1  | 770.0  | 786.1  |
| 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 20°    | 791.2  | 824.2  | 856.4  | 876.7  |
| 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 22.5°  | 875.9  | 914.8  | 950.4  | 989.4  |
| 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 25°    | 992.8  | 1047.0 | 1109.7 | 1143.6 |
| 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 27.5°  | 1159.6 | 1233.3 | 1277.4 | 1352.8 |
| 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 30°    | 1318.9 | 1409.5 | 1516.3 | 1620.5 |
| 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 32.5°  | 1453.6 | 1586.6 | 1743.3 | 1901.7 |
| 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 35°    | 1595.0 | 1763.6 | 1944.9 | 2148.2 |
| 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 37.5°  | 1764.5 | 1939.0 | 2134.6 | 2357.4 |
| 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 40°    | 1918.6 | 2117.7 | 2357.4 | 2563.3 |
| 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 42.5°  | 2088.9 | 2300.7 | 2570.9 | 2808.9 |
| 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 45°    | 2254.1 | 2475.2 | 2770.8 | 3031.7 |
| 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 47.5°  | 2398.9 | 2620.9 | 2936.0 | 3207.9 |
| 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 50°    | 2515.0 | 2762.3 | 3069.8 | 3330.7 |
| 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 52.5°  | 2605.6 | 2867.4 | 3171.5 | 3415.4 |
| 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 55°    | 2653.0 | 2917.3 | 3202.8 | 3451.0 |
| 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 57.5°  | 2659.8 | 2913.9 | 3176.5 | 3418.8 |
| 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 60°    | 2595.4 | 2820.8 | 3071.5 | 3324.8 |
| 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 62.5°  | 2451.4 | 2627.6 | 2865.7 | 3116.4 |
| 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 65°    | 2266.8 | 2382.0 | 2540.4 | 2786.0 |
| 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 67.5°  | 2085.5 | 2161.7 | 2244.8 | 2426.0 |
|       |       |       |       |       |       |       |       | 70°    | 1806.8 | 1870.3 | 1953.4 | 2066.0 |
|       |       |       |       |       |       |       |       | 72.5°  | 1405.3 | 1489.2 | 1548.5 | 1657.7 |
|       |       |       |       |       |       |       |       | 75°    | 1056.3 | 1104.6 | 1190.1 | 1290.9 |
|       |       |       |       |       |       |       |       | 77.5°  | 742.9  | 792.0  | 889.4  | 1004.6 |
|       |       |       |       |       |       |       |       | 80°    | 498.9  | 532.8  | 593.0  | 692.1  |
|       |       |       |       |       |       |       |       | 82.5°  | 305.8  | 344.8  | 395.6  | 481.1  |
|       |       |       |       |       |       |       |       | 85°    | 205.0  | 266.0  | 331.2  | 395.6  |
|       |       |       |       |       |       |       |       | 87.5°  | 86.4   | 145.7  | 184.7  | 194.0  |
|       |       |       |       |       |       |       |       | 90°    | 0.1    | 0.1    | 0.1    | 0.1    |
|       |       |       |       |       |       |       |       | 92.5°  | 0.1    | 0.1    | 0.1    | 0.1    |
|       |       |       |       |       |       |       |       | 95°    | 0.5    | 0.5    | 0.5    | 0.5    |
|       |       |       |       |       |       |       |       | 97.5°  | 1.5    | 1.5    | 1.5    | 1.5    |
|       |       |       |       |       |       |       |       | 100°   | 5.0    | 5.0    | 5.0    | 5.0    |
|       |       |       |       |       |       |       |       | 102.5° | 8.8    | 8.8    | 8.8    | 8.8    |
|       |       |       |       |       |       |       |       | 105°   | 11.8   | 11.8   | 11.8   | 11.8   |
|       |       |       |       |       |       |       |       | 107.5° | 14.7   | 14.7   | 14.7   | 14.7   |
|       |       |       |       |       |       |       |       | 110°   | 17.8   | 17.8   | 17.8   | 17.8   |





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**CANDELA DISTRIBUTION (continued):**

| 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |        | 275°  | 280°  | 285°  | 290°  | 295°  |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 549.8  | 549.8  | 549.8  | 549.8  | 549.8  | 549.8  | 549.8  | 112.5° | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  |
| 558.2  | 557.4  | 559.1  | 559.1  | 558.2  | 558.2  | 560.8  | 115°   | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  |
| 576.0  | 576.9  | 578.6  | 576.9  | 580.2  | 576.0  | 576.9  | 117.5° | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  |
| 600.6  | 601.4  | 604.0  | 603.1  | 605.7  | 603.1  | 599.7  | 120°   | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  |
| 631.9  | 633.6  | 633.6  | 637.8  | 642.1  | 637.0  | 631.1  | 122.5° | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  |
| 668.3  | 674.3  | 671.7  | 680.2  | 684.4  | 681.0  | 676.8  | 125°   | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  |
| 718.3  | 730.2  | 728.5  | 744.6  | 750.5  | 748.0  | 748.8  | 127.5° | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  |
| 792.9  | 809.8  | 812.3  | 837.8  | 853.9  | 851.3  | 847.1  | 130°   | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  |
| 879.3  | 923.3  | 933.5  | 955.5  | 973.3  | 980.1  | 979.2  | 132.5° | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  |
| 1025.8 | 1058.0 | 1080.9 | 1120.7 | 1136.8 | 1152.0 | 1147.8 | 135°   | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  |
| 1192.7 | 1222.3 | 1273.2 | 1324.0 | 1340.1 | 1354.5 | 1373.1 | 137.5° | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  |
| 1406.1 | 1449.3 | 1529.8 | 1598.4 | 1637.4 | 1625.5 | 1619.6 | 140°   | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  |
| 1695.0 | 1803.4 | 1862.7 | 1918.6 | 1944.0 | 1906.8 | 1859.3 | 142.5° | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| 2040.6 | 2167.7 | 2204.9 | 2232.0 | 2183.8 | 2132.9 | 1994.0 | 145°   | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 |
| 2293.9 | 2418.4 | 2495.5 | 2524.3 | 2420.9 | 2270.2 | 2082.1 | 147.5° | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 |
| 2522.6 | 2648.8 | 2682.7 | 2695.4 | 2556.5 | 2361.6 | 2178.7 | 150°   | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 |
| 2765.7 | 2871.6 | 2891.1 | 2884.3 | 2699.6 | 2469.2 | 2298.1 | 152.5° | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 |
| 2986.8 | 3095.2 | 3077.4 | 3047.8 | 2837.7 | 2604.8 | 2415.9 | 155°   | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 |
| 3196.9 | 3276.5 | 3244.3 | 3170.6 | 2968.2 | 2708.9 | 2508.2 | 157.5° | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 |
| 3337.5 | 3404.4 | 3369.7 | 3276.5 | 3057.9 | 2779.3 | 2559.0 | 160°   | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 |
| 3444.2 | 3495.0 | 3474.7 | 3340.0 | 3110.5 | 2822.5 | 2581.9 | 162.5° | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 |
| 3497.6 | 3547.6 | 3535.7 | 3351.9 | 3117.2 | 2829.2 | 2570.9 | 165°   | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 |
| 3517.1 | 3573.8 | 3532.3 | 3307.8 | 3072.3 | 2803.8 | 2532.8 | 167.5° | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 |
| 3501.0 | 3527.2 | 3466.2 | 3224.0 | 2980.9 | 2725.0 | 2478.5 | 170°   | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 |
| 3441.7 | 3423.0 | 3339.2 | 3078.3 | 2851.3 | 2615.8 | 2418.4 | 172.5° | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 |
| 3275.6 | 3227.4 | 3159.6 | 2909.7 | 2678.5 | 2443.0 | 2325.2 | 175°   | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 |
| 2933.4 | 2919.9 | 2888.5 | 2703.0 | 2473.5 | 2249.0 | 2173.6 | 177.5° | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 |
| 2494.6 | 2481.1 | 2485.3 | 2360.0 | 2193.9 | 1975.4 | 1977.1 | 180°   | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 |
| 2138.9 | 2064.3 | 1976.2 | 1841.5 | 1745.0 | 1715.3 | 1811.0 |        |       |       |       |       |       |
| 1721.3 | 1680.6 | 1608.6 | 1490.9 | 1381.6 | 1419.7 | 1634.0 |        |       |       |       |       |       |
| 1330.8 | 1306.2 | 1358.7 | 1372.3 | 1329.9 | 1304.5 | 1377.3 |        |       |       |       |       |       |
| 1090.2 | 1143.6 | 1227.4 | 1334.1 | 1344.3 | 1307.0 | 1169.0 |        |       |       |       |       |       |
| 830.1  | 969.1  | 1085.1 | 1229.1 | 1213.9 | 1133.4 | 982.6  |        |       |       |       |       |       |
| 581.1  | 715.8  | 825.1  | 946.2  | 941.9  | 868.3  | 793.7  |        |       |       |       |       |       |
| 444.7  | 487.1  | 528.6  | 655.6  | 704.8  | 648.0  | 566.7  |        |       |       |       |       |       |
| 210.1  | 211.8  | 255.0  | 314.3  | 337.1  | 384.6  | 379.5  |        |       |       |       |       |       |
| 0.1    | 0.1    | 0.1    | 0.1    | 0.1    | 0.1    | 0.1    |        |       |       |       |       |       |
| 0.1    | 0.1    | 0.1    | 0.1    | 0.1    | 0.1    | 0.1    |        |       |       |       |       |       |
| 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |        |       |       |       |       |       |
| 1.5    | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |        |       |       |       |       |       |
| 5.0    | 5.0    | 5.0    | 5.0    | 5.0    | 5.0    | 5.0    |        |       |       |       |       |       |
| 8.8    | 8.8    | 8.8    | 8.8    | 8.8    | 8.8    | 8.8    |        |       |       |       |       |       |
| 11.8   | 11.8   | 11.8   | 11.8   | 11.8   | 11.8   | 11.8   |        |       |       |       |       |       |
| 14.7   | 14.7   | 14.7   | 14.7   | 14.7   | 14.7   | 14.7   |        |       |       |       |       |       |
| 17.8   | 17.8   | 17.8   | 17.8   | 17.8   | 17.8   | 17.8   |        |       |       |       |       |       |



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**CANDELA DISTRIBUTION (continued):**

| 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 0°     | 549.8  | 549.8  | 549.8  | 549.8  | 549.8  | 549.8  |
| 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 2.5°   | 561.6  | 560.8  | 560.8  | 560.8  | 561.6  | 560.8  |
| 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 5°     | 578.6  | 576.9  | 576.0  | 576.0  | 575.2  | 575.2  |
| 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 7.5°   | 600.6  | 597.2  | 597.2  | 594.6  | 593.8  | 591.3  |
| 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 10°    | 630.2  | 626.8  | 626.0  | 619.2  | 619.2  | 613.3  |
| 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 12.5°  | 673.4  | 673.4  | 673.4  | 665.0  | 663.3  | 653.1  |
| 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 15°    | 748.0  | 741.2  | 747.1  | 732.7  | 731.9  | 718.3  |
| 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 17.5°  | 848.8  | 848.8  | 836.9  | 830.1  | 825.9  | 806.4  |
| 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 20°    | 982.6  | 983.5  | 963.1  | 944.5  | 936.0  | 914.0  |
| 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 22.5°  | 1152.9 | 1136.8 | 1111.4 | 1097.8 | 1084.3 | 1047.8 |
| 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 25°    | 1376.5 | 1369.7 | 1324.8 | 1275.7 | 1255.4 | 1200.3 |
| 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 27.5°  | 1595.9 | 1581.5 | 1509.5 | 1425.6 | 1374.0 | 1298.6 |
| 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 30°    | 1789.0 | 1694.2 | 1608.6 | 1507.8 | 1429.0 | 1335.0 |
| 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 32.5°  | 1889.8 | 1770.4 | 1645.9 | 1562.9 | 1463.7 | 1359.6 |
| 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 35°    | 1967.8 | 1839.8 | 1716.2 | 1608.6 | 1496.8 | 1379.0 |
| 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 37.5°  | 2066.9 | 1932.2 | 1795.8 | 1667.9 | 1531.5 | 1393.4 |
| 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 40°    | 2177.0 | 2022.8 | 1854.2 | 1699.2 | 1545.9 | 1388.4 |
| 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 42.5°  | 2268.5 | 2082.1 | 1883.9 | 1709.4 | 1540.8 | 1367.2 |
| 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 45°    | 2319.3 | 2106.7 | 1886.4 | 1698.4 | 1520.5 | 1340.9 |
| 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 47.5°  | 2343.0 | 2107.5 | 1869.5 | 1673.8 | 1493.4 | 1303.6 |
| 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 50°    | 2340.5 | 2086.3 | 1837.3 | 1640.8 | 1462.9 | 1264.7 |
| 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 52.5°  | 2315.1 | 2051.6 | 1800.0 | 1614.5 | 1436.6 | 1231.6 |
| 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 55°    | 2276.1 | 2014.3 | 1762.8 | 1596.7 | 1414.6 | 1204.5 |
| 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 57.5°  | 2232.0 | 1982.2 | 1735.7 | 1593.3 | 1401.9 | 1199.5 |
| 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 60°    | 2212.6 | 1985.5 | 1752.6 | 1569.6 | 1395.1 | 1210.5 |
| 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 62.5°  | 2199.9 | 2017.7 | 1787.3 | 1585.7 | 1406.1 | 1257.1 |
| 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 65°    | 2148.2 | 2062.6 | 1840.7 | 1643.3 | 1485.8 | 1366.3 |
| 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 67.5°  | 2086.3 | 2075.3 | 1861.9 | 1677.2 | 1576.4 | 1508.6 |
|       |       |       |       |       |       | 70°    | 2022.0 | 2061.8 | 1892.4 | 1766.2 | 1710.2 | 1683.1 |
|       |       |       |       |       |       | 72.5°  | 1918.6 | 1964.4 | 1806.8 | 1731.4 | 1714.5 | 1695.0 |
|       |       |       |       |       |       | 75°    | 1600.1 | 1608.6 | 1488.3 | 1446.8 | 1476.5 | 1430.7 |
|       |       |       |       |       |       | 77.5°  | 1150.3 | 1172.4 | 1094.4 | 1105.4 | 1202.0 | 1102.9 |
|       |       |       |       |       |       | 80°    | 852.2  | 765.8  | 716.6  | 749.7  | 842.0  | 700.5  |
|       |       |       |       |       |       | 82.5°  | 702.2  | 568.4  | 482.0  | 526.9  | 562.5  | 413.4  |
|       |       |       |       |       |       | 85°    | 540.4  | 433.7  | 356.6  | 288.0  | 274.5  | 177.0  |
|       |       |       |       |       |       | 87.5°  | 424.4  | 313.4  | 174.5  | 98.3   | 66.1   | 4.2    |
|       |       |       |       |       |       | 90°    | 0.1    | 0.1    | 0.1    | 0.1    | 0.1    | 0.1    |
|       |       |       |       |       |       | 92.5°  | 0.1    | 0.1    | 0.1    | 0.1    | 0.1    | 0.1    |
|       |       |       |       |       |       | 95°    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
|       |       |       |       |       |       | 97.5°  | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
|       |       |       |       |       |       | 100°   | 5.0    | 5.0    | 5.0    | 5.0    | 5.0    | 5.0    |
|       |       |       |       |       |       | 102.5° | 8.8    | 8.8    | 8.8    | 8.8    | 8.8    | 8.8    |
|       |       |       |       |       |       | 105°   | 11.8   | 11.8   | 11.8   | 11.8   | 11.8   | 11.8   |
|       |       |       |       |       |       | 107.5° | 14.7   | 14.7   | 14.7   | 14.7   | 14.7   | 14.7   |
|       |       |       |       |       |       | 110°   | 17.8   | 17.8   | 17.8   | 17.8   | 17.8   | 17.8   |



REPORT NUMBER: P160204

CATALOG NUMBER: ENV-F02-LED-E1-SLR-7050-ULG

**CANDELA DISTRIBUTION (continued):**

| 360°   |        | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°  |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 549.8  | 112.5° | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  | 21.2  |
| 561.6  | 115°   | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  |
| 575.2  | 117.5° | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  | 29.5  |
| 591.3  | 120°   | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  | 34.8  |
| 615.8  | 122.5° | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  | 40.9  |
| 651.4  | 125°   | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  |
| 714.9  | 127.5° | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  |
| 797.1  | 130°   | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  |
| 897.9  | 132.5° | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  |
| 1011.4 | 135°   | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  |
| 1141.0 | 137.5° | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  |
| 1220.6 | 140°   | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  |
| 1237.6 | 142.5° | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| 1249.4 | 145°   | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 |
| 1252.8 | 147.5° | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 |
| 1247.7 | 150°   | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 |
| 1227.4 | 152.5° | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 |
| 1201.2 | 155°   | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 |
| 1168.1 | 157.5° | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 |
| 1127.5 | 160°   | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 |
| 1089.3 | 162.5° | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 |
| 1059.7 | 165°   | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 |
| 1041.1 | 167.5° | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 |
| 1043.6 | 170°   | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 |
| 1069.9 | 172.5° | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 |
| 1135.9 | 175°   | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 |
| 1261.3 | 177.5° | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 |
| 1384.1 | 180°   | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 |
| 1502.7 |        |       |       |       |       |       |       |       |
| 1424.8 |        |       |       |       |       |       |       |       |
| 1087.6 |        |       |       |       |       |       |       |       |
| 782.7  |        |       |       |       |       |       |       |       |
| 454.0  |        |       |       |       |       |       |       |       |
| 283.8  |        |       |       |       |       |       |       |       |
| 122.8  |        |       |       |       |       |       |       |       |
| 4.2    |        |       |       |       |       |       |       |       |
| 0.1    |        |       |       |       |       |       |       |       |
| 0.1    |        |       |       |       |       |       |       |       |
| 0.5    |        |       |       |       |       |       |       |       |
| 1.5    |        |       |       |       |       |       |       |       |
| 5.0    |        |       |       |       |       |       |       |       |
| 8.8    |        |       |       |       |       |       |       |       |
| 11.8   |        |       |       |       |       |       |       |       |
| 14.7   |        |       |       |       |       |       |       |       |
| 17.8   |        |       |       |       |       |       |       |       |

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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(REPORT)