

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: P141421

Luminaire Tested: **EMM-E01-LED-E1-SLL-7050**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P141421  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33693)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: EMM-E01-LED-E1-SLL-7050  
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (21) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2683.8 lumens  
Efficiency: N/A  
Efficacy: 108.7 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G2

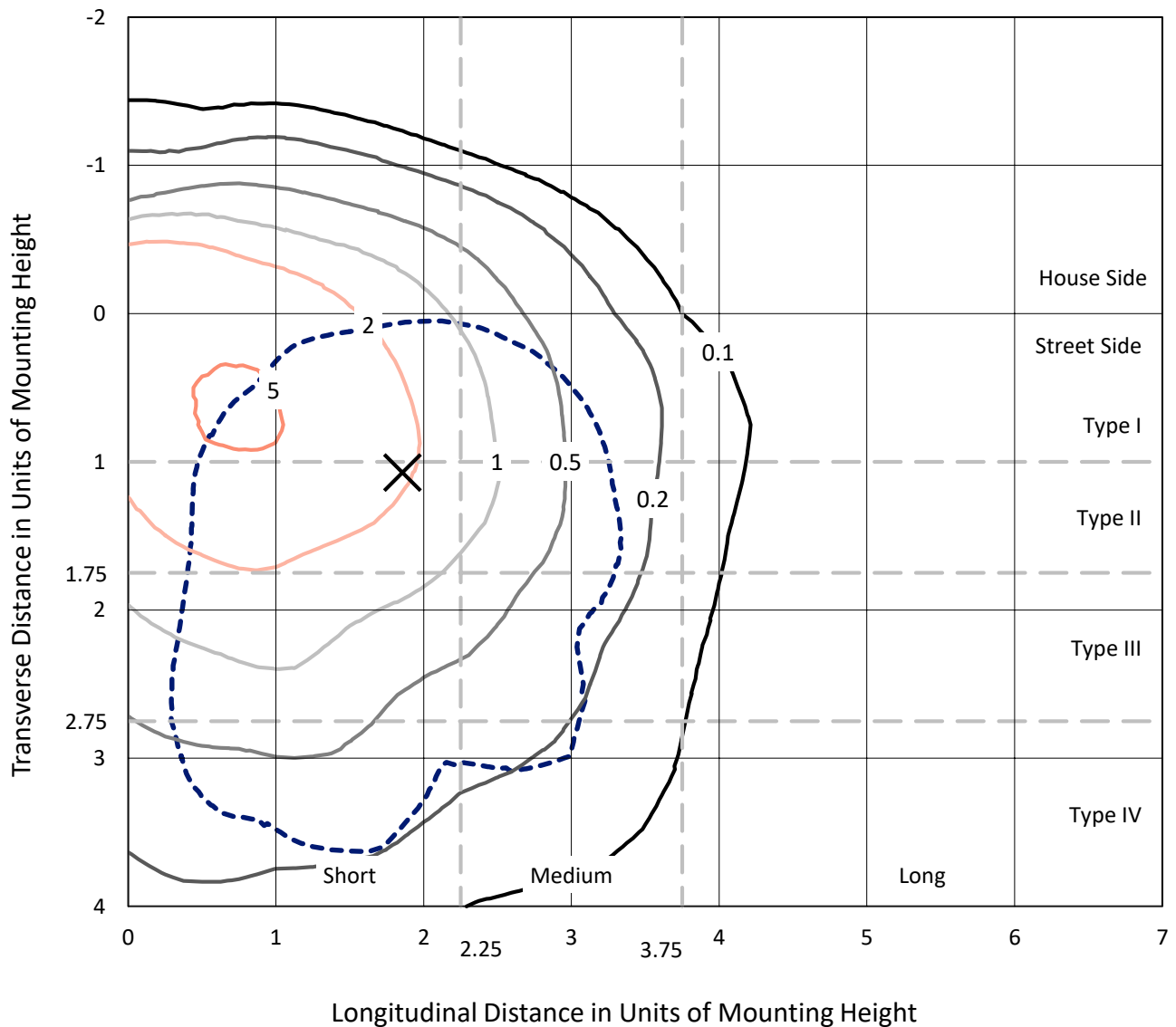
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

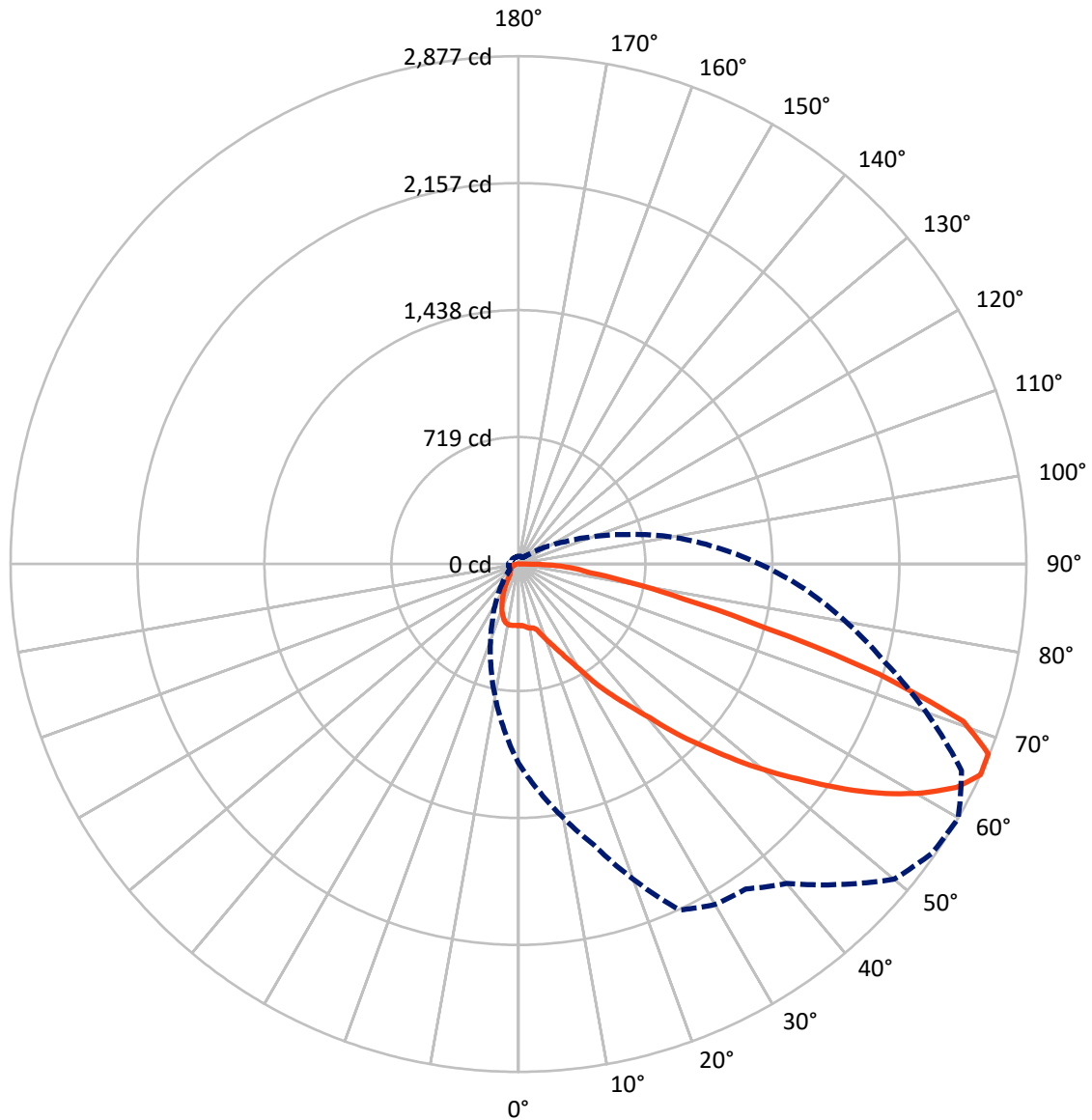
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 497.8    | 0.0    | 497.8  |
|                    | % Fixture | 18.5     | 0.0    | 18.5   |
| <b>Street Side</b> | Lumens    | 2186.0   | 0.0    | 2186.0 |
|                    | % Fixture | 81.5     | 0.0    | 81.5   |
| <b>Total</b>       | Lumens    | 2683.8   | 0.0    | 2683.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 33.8   | 1.3       |
| 10°-20°   | 101.4  | 3.8       |
| 20°-30°   | 168.4  | 6.3       |
| 30°-40°   | 246.2  | 9.2       |
| 40°-50°   | 374.5  | 14.0      |
| 50°-60°   | 538.4  | 20.1      |
| 60°-70°   | 661.9  | 24.7      |
| 70°-80°   | 442.8  | 16.5      |
| 80°-90°   | 116.5  | 4.3       |
| 90°-100°  | 0.0    | 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°    | 2683.8 | 100.0     |
| 0°-180°   | 2683.8 | 100.0     |



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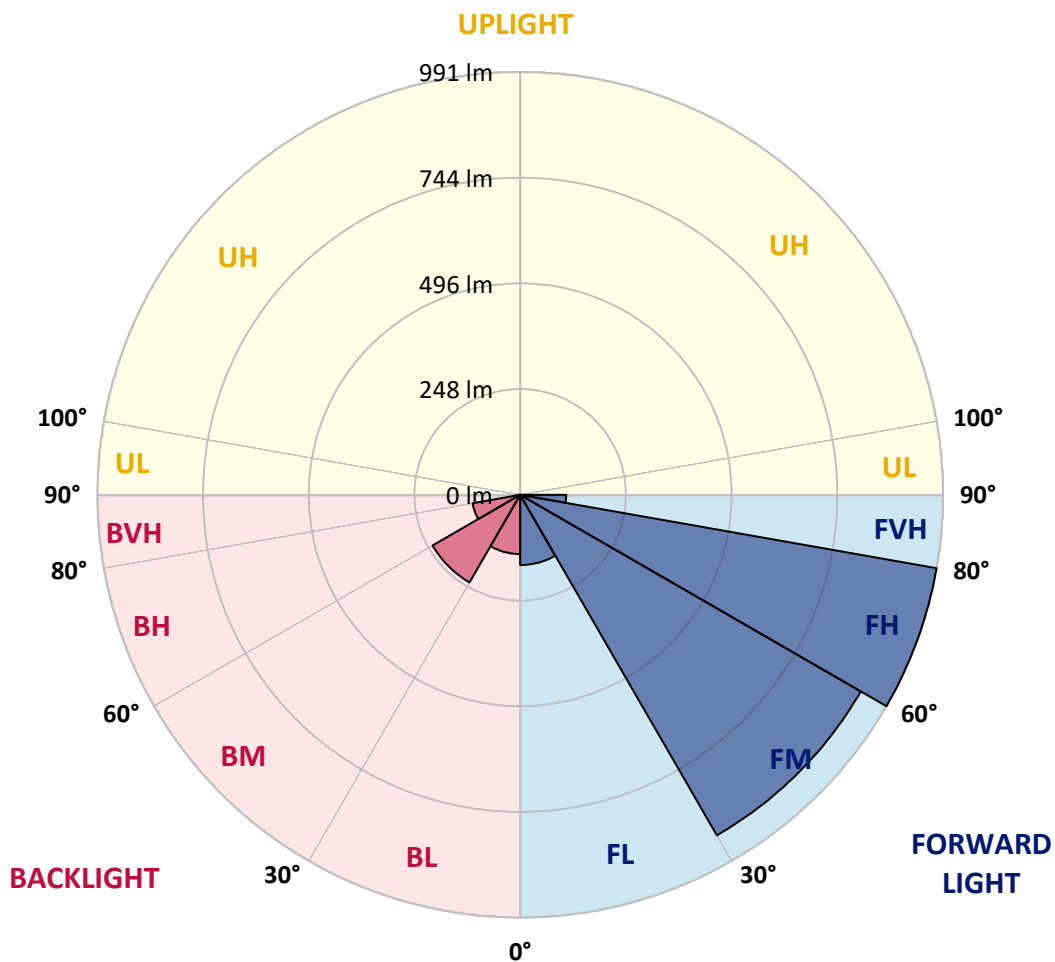
CATALOG NUMBER: EMM-E01-LED-E1-SLL-7050

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 164.6  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 922.0  | 34.4      |                         |      |         |
| FH   | (60°-80°)   | 991.4  | 36.9      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 108.0  | 4.0       |                         |      | G2/225  |
| BL   | (0°-30°)    | 138.9  | 5.2       | B1/500                  |      |         |
| BM   | (30°-60°)   | 237.1  | 8.8       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 113.3  | 4.2       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 8.5    | 0.3       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 348.9  | 348.9  | 348.9  | 348.9  | 348.9  | 348.9  | 348.9  | 348.9  | 348.9  | 348.9  | 348.9  |
| 2.5°  | 349.2  | 349.6  | 349.6  | 349.2  | 348.9  | 349.2  | 348.5  | 349.2  | 348.9  | 348.5  | 348.9  |
| 5°    | 344.8  | 345.1  | 345.8  | 345.8  | 346.5  | 347.8  | 348.2  | 349.9  | 350.9  | 351.3  | 352.6  |
| 7.5°  | 334.2  | 335.9  | 336.9  | 338.3  | 340.3  | 343.7  | 346.1  | 350.2  | 353.3  | 356.1  | 359.8  |
| 10°   | 327.7  | 329.7  | 331.8  | 334.9  | 337.9  | 342.4  | 346.5  | 351.6  | 355.7  | 359.8  | 364.3  |
| 12.5° | 329.4  | 331.8  | 334.5  | 336.9  | 341.7  | 345.8  | 350.9  | 357.1  | 359.1  | 363.2  | 367.0  |
| 15°   | 343.4  | 345.5  | 347.5  | 350.2  | 354.7  | 359.5  | 366.3  | 373.2  | 374.5  | 379.0  | 383.1  |
| 17.5° | 362.2  | 362.6  | 366.0  | 370.8  | 374.9  | 382.7  | 390.9  | 400.2  | 406.0  | 408.7  | 411.1  |
| 20°   | 381.7  | 382.7  | 388.2  | 392.7  | 401.9  | 412.2  | 424.1  | 437.8  | 442.6  | 454.6  | 459.0  |
| 22.5° | 410.8  | 410.4  | 416.9  | 423.1  | 433.4  | 444.3  | 461.7  | 480.6  | 491.5  | 500.7  | 504.2  |
| 25°   | 454.9  | 455.9  | 454.9  | 463.8  | 474.4  | 492.2  | 509.6  | 528.4  | 534.9  | 551.0  | 558.5  |
| 27.5° | 498.7  | 506.6  | 517.2  | 519.9  | 532.9  | 553.4  | 567.1  | 587.3  | 603.0  | 607.5  | 619.8  |
| 30°   | 539.4  | 555.8  | 573.3  | 588.0  | 611.2  | 636.2  | 656.7  | 679.6  | 680.6  | 688.9  | 692.3  |
| 32.5° | 580.8  | 606.4  | 632.1  | 650.9  | 673.5  | 706.6  | 744.6  | 781.9  | 806.2  | 831.1  | 818.5  |
| 35°   | 632.8  | 672.8  | 708.7  | 737.8  | 756.9  | 787.7  | 831.5  | 892.0  | 931.0  | 960.8  | 977.9  |
| 37.5° | 680.3  | 740.8  | 795.9  | 837.3  | 884.2  | 906.1  | 934.8  | 978.6  | 1023.4 | 1051.1 | 1065.4 |
| 40°   | 715.2  | 798.0  | 876.0  | 935.8  | 995.3  | 1047.7 | 1083.9 | 1119.5 | 1180.0 | 1214.6 | 1217.3 |
| 42.5° | 742.6  | 847.9  | 942.0  | 1027.8 | 1115.4 | 1188.6 | 1232.4 | 1277.5 | 1354.5 | 1394.5 | 1391.4 |
| 45°   | 761.4  | 885.2  | 1001.8 | 1107.5 | 1213.5 | 1309.0 | 1393.5 | 1460.5 | 1539.2 | 1615.4 | 1600.0 |
| 47.5° | 777.8  | 916.0  | 1049.4 | 1168.7 | 1296.0 | 1415.0 | 1520.3 | 1614.7 | 1718.7 | 1821.7 | 1827.8 |
| 50°   | 794.2  | 940.9  | 1092.5 | 1230.0 | 1373.3 | 1522.7 | 1650.0 | 1771.4 | 1901.4 | 2032.4 | 2062.5 |
| 52.5° | 816.8  | 969.0  | 1132.5 | 1285.7 | 1452.3 | 1610.0 | 1751.9 | 1903.1 | 2063.8 | 2190.4 | 2275.9 |
| 55°   | 850.6  | 1008.0 | 1182.1 | 1341.5 | 1523.1 | 1696.8 | 1853.8 | 2028.3 | 2176.0 | 2332.3 | 2454.1 |
| 57.5° | 906.1  | 1060.0 | 1239.5 | 1402.3 | 1591.5 | 1775.5 | 1938.7 | 2121.6 | 2262.6 | 2436.0 | 2588.9 |
| 60°   | 976.2  | 1130.8 | 1304.5 | 1474.5 | 1671.9 | 1886.0 | 2050.5 | 2185.9 | 2327.2 | 2502.7 | 2686.7 |
| 62.5° | 1055.9 | 1210.8 | 1383.9 | 1559.3 | 1783.7 | 2015.6 | 2156.9 | 2234.2 | 2357.3 | 2548.5 | 2750.0 |
| 65°   | 1126.0 | 1285.7 | 1458.4 | 1644.5 | 1898.3 | 2162.0 | 2227.0 | 2246.5 | 2361.8 | 2567.0 | 2777.3 |
| 67.5° | 1183.4 | 1367.1 | 1528.2 | 1713.6 | 2019.0 | 2255.0 | 2228.4 | 2189.4 | 2301.2 | 2522.2 | 2725.0 |
| 70°   | 1213.5 | 1403.4 | 1561.4 | 1719.8 | 2044.7 | 2268.0 | 2174.7 | 2068.6 | 2119.6 | 2335.8 | 2505.4 |
| 72.5° | 1180.4 | 1375.0 | 1499.8 | 1598.3 | 1891.1 | 2108.0 | 1988.9 | 1788.8 | 1835.4 | 2044.7 | 2088.5 |
| 75°   | 1050.4 | 1285.4 | 1358.2 | 1354.8 | 1512.5 | 1624.7 | 1538.5 | 1410.9 | 1529.6 | 1616.8 | 1572.0 |
| 77.5° | 784.3  | 1052.8 | 1093.5 | 1018.6 | 1052.1 | 1146.5 | 1065.1 | 1164.3 | 1308.3 | 1347.6 | 1262.8 |
| 80°   | 493.2  | 771.6  | 776.1  | 682.7  | 664.9  | 701.9  | 806.9  | 1017.9 | 1155.4 | 1147.2 | 1035.0 |
| 82.5° | 274.7  | 500.4  | 547.9  | 462.4  | 440.5  | 531.2  | 718.6  | 830.8  | 812.7  | 805.8  | 659.8  |
| 85°   | 187.8  | 341.7  | 417.6  | 400.5  | 442.9  | 529.8  | 589.3  | 526.7  | 507.2  | 432.0  | 350.6  |
| 87.5° | 76.3   | 153.9  | 258.9  | 297.6  | 315.7  | 387.5  | 339.3  | 276.4  | 212.7  | 201.8  | 173.4  |
| 90°   | 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°  | 105°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0°    | 348.9  | 348.9  | 348.9  | 348.9  | 348.9  | 348.9  | 348.9  | 348.9  | 348.9  | 348.9 | 348.9 |
| 2.5°  | 347.8  | 348.5  | 348.5  | 348.9  | 349.2  | 349.6  | 349.6  | 349.6  | 349.9  | 350.2 | 349.9 |
| 5°    | 353.0  | 354.0  | 354.7  | 354.7  | 355.4  | 356.1  | 356.7  | 356.4  | 357.4  | 358.1 | 358.5 |
| 7.5°  | 361.2  | 363.2  | 365.0  | 366.3  | 367.0  | 367.0  | 367.0  | 366.0  | 367.0  | 367.3 | 367.7 |
| 10°   | 367.0  | 369.4  | 369.7  | 371.1  | 370.8  | 370.4  | 369.7  | 369.1  | 369.4  | 370.1 | 371.1 |
| 12.5° | 368.7  | 371.1  | 371.8  | 372.8  | 372.5  | 372.1  | 370.8  | 370.8  | 370.4  | 371.5 | 372.5 |
| 15°   | 382.7  | 384.8  | 388.2  | 385.1  | 385.5  | 382.7  | 380.3  | 379.0  | 378.3  | 379.0 | 379.7 |
| 17.5° | 414.9  | 418.3  | 416.9  | 412.2  | 411.8  | 406.0  | 405.0  | 398.1  | 398.1  | 398.1 | 396.1 |
| 20°   | 459.0  | 458.7  | 456.3  | 451.5  | 441.2  | 439.2  | 431.6  | 426.2  | 421.0  | 420.0 | 417.6 |
| 22.5° | 507.2  | 502.1  | 500.7  | 490.8  | 484.3  | 472.0  | 460.7  | 456.6  | 451.8  | 450.8 | 450.5 |
| 25°   | 554.1  | 556.1  | 546.2  | 541.4  | 525.0  | 514.1  | 507.6  | 497.3  | 497.3  | 496.0 | 494.2 |
| 27.5° | 612.9  | 619.8  | 608.8  | 602.0  | 586.6  | 571.2  | 559.9  | 553.8  | 547.3  | 542.8 | 530.5 |
| 30°   | 696.0  | 700.5  | 693.0  | 678.9  | 659.8  | 632.4  | 617.0  | 610.2  | 598.2  | 583.2 | 563.0 |
| 32.5° | 813.0  | 806.9  | 781.2  | 756.6  | 731.6  | 705.6  | 687.1  | 674.8  | 656.4  | 626.3 | 588.0 |
| 35°   | 964.5  | 911.5  | 879.4  | 845.5  | 816.8  | 787.7  | 773.7  | 751.5  | 709.4  | 660.5 | 609.2 |
| 37.5° | 1039.1 | 1015.5 | 978.6  | 953.3  | 919.0  | 890.0  | 858.2  | 820.2  | 765.8  | 695.7 | 624.6 |
| 40°   | 1188.6 | 1144.1 | 1115.4 | 1086.6 | 1044.6 | 1004.9 | 961.8  | 900.6  | 813.0  | 725.8 | 636.5 |
| 42.5° | 1345.6 | 1312.7 | 1260.7 | 1222.4 | 1191.0 | 1125.3 | 1056.9 | 971.4  | 861.2  | 753.2 | 647.5 |
| 45°   | 1550.1 | 1474.9 | 1410.6 | 1378.1 | 1316.2 | 1236.1 | 1156.4 | 1034.3 | 905.7  | 781.9 | 659.8 |
| 47.5° | 1755.7 | 1658.9 | 1592.5 | 1532.0 | 1466.0 | 1358.6 | 1234.4 | 1089.0 | 939.9  | 805.8 | 670.0 |
| 50°   | 1976.3 | 1848.7 | 1772.1 | 1699.6 | 1590.8 | 1460.8 | 1302.8 | 1134.2 | 975.5  | 828.4 | 679.3 |
| 52.5° | 2200.7 | 2039.6 | 1930.1 | 1845.6 | 1710.9 | 1550.1 | 1364.7 | 1181.0 | 1013.5 | 850.3 | 686.8 |
| 55°   | 2402.5 | 2251.3 | 2110.0 | 1979.7 | 1817.6 | 1630.8 | 1421.5 | 1223.1 | 1047.7 | 873.2 | 691.6 |
| 57.5° | 2585.4 | 2453.8 | 2285.1 | 2110.4 | 1915.7 | 1705.7 | 1473.8 | 1268.6 | 1079.8 | 890.0 | 691.3 |
| 60°   | 2711.0 | 2634.0 | 2458.9 | 2245.8 | 2018.3 | 1774.5 | 1536.8 | 1319.2 | 1108.2 | 901.9 | 688.5 |
| 62.5° | 2801.3 | 2785.9 | 2633.0 | 2376.1 | 2102.1 | 1836.4 | 1597.6 | 1361.3 | 1128.7 | 903.3 | 676.9 |
| 65°   | 2857.7 | 2876.5 | 2769.1 | 2458.9 | 2149.0 | 1883.6 | 1627.7 | 1365.1 | 1114.0 | 880.7 | 646.1 |
| 67.5° | 2822.1 | 2870.7 | 2768.4 | 2423.0 | 2104.2 | 1839.5 | 1583.6 | 1302.1 | 1035.7 | 810.6 | 577.0 |
| 70°   | 2601.5 | 2674.4 | 2573.5 | 2184.9 | 1885.0 | 1669.1 | 1421.2 | 1118.5 | 891.0  | 667.7 | 455.9 |
| 72.5° | 2040.6 | 2136.7 | 2048.4 | 1782.0 | 1560.4 | 1379.8 | 1195.8 | 878.3  | 679.3  | 490.5 | 306.5 |
| 75°   | 1407.8 | 1444.8 | 1392.1 | 1208.1 | 1140.0 | 1069.5 | 897.5  | 590.4  | 448.8  | 302.7 | 180.3 |
| 77.5° | 1092.1 | 958.4  | 857.5  | 782.2  | 780.9  | 767.9  | 587.3  | 353.3  | 268.5  | 166.6 | 100.2 |
| 80°   | 821.2  | 644.7  | 532.2  | 465.5  | 484.0  | 541.1  | 342.4  | 181.3  | 138.9  | 92.0  | 61.6  |
| 82.5° | 540.4  | 411.5  | 328.4  | 290.7  | 293.8  | 339.3  | 172.0  | 99.9   | 68.4   | 52.3  | 40.0  |
| 85°   | 329.4  | 319.8  | 285.3  | 258.9  | 238.7  | 233.3  | 133.7  | 76.6   | 38.0   | 27.0  | 20.5  |
| 87.5° | 160.8  | 190.5  | 232.6  | 235.7  | 202.5  | 171.7  | 69.4   | 21.9   | 16.1   | 8.6   | 6.2   |
| 90°   | 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):**

|       | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 |
| 2.5°  | 350.2 | 352.0 | 351.3 | 350.9 | 350.9 | 352.6 | 352.6 | 352.0 | 352.0 | 352.3 | 352.3 |
| 5°    | 358.5 | 360.2 | 359.5 | 359.8 | 360.5 | 360.8 | 361.9 | 360.8 | 360.2 | 360.8 | 360.5 |
| 7.5°  | 368.0 | 369.7 | 369.4 | 370.1 | 370.8 | 371.5 | 372.1 | 371.8 | 371.1 | 371.1 | 370.8 |
| 10°   | 372.1 | 375.6 | 376.9 | 378.3 | 380.0 | 380.7 | 381.7 | 381.7 | 380.3 | 380.3 | 378.6 |
| 12.5° | 374.9 | 377.6 | 381.0 | 383.1 | 386.2 | 388.6 | 389.6 | 389.9 | 388.9 | 387.5 | 385.8 |
| 15°   | 380.7 | 382.7 | 386.2 | 388.2 | 392.0 | 395.1 | 397.1 | 396.8 | 395.4 | 391.6 | 386.5 |
| 17.5° | 395.1 | 394.7 | 396.1 | 397.4 | 398.5 | 400.2 | 399.5 | 396.4 | 389.9 | 383.1 | 375.9 |
| 20°   | 416.6 | 416.3 | 414.2 | 411.1 | 407.4 | 402.6 | 395.1 | 385.8 | 374.9 | 362.6 | 351.6 |
| 22.5° | 447.0 | 444.0 | 441.2 | 433.0 | 420.0 | 403.9 | 384.4 | 366.3 | 353.3 | 341.4 | 329.4 |
| 25°   | 487.4 | 479.9 | 466.5 | 447.4 | 426.9 | 402.9 | 374.5 | 350.2 | 333.8 | 319.8 | 307.8 |
| 27.5° | 512.7 | 495.3 | 473.0 | 446.7 | 419.3 | 388.6 | 357.1 | 333.1 | 314.7 | 299.3 | 285.6 |
| 30°   | 534.3 | 502.8 | 471.7 | 438.1 | 403.6 | 371.8 | 338.6 | 313.0 | 291.4 | 274.3 | 257.9 |
| 32.5° | 546.2 | 504.2 | 465.2 | 425.1 | 387.5 | 351.3 | 315.4 | 287.7 | 267.1 | 245.9 | 223.3 |
| 35°   | 553.8 | 500.1 | 452.9 | 407.7 | 366.3 | 328.7 | 291.1 | 260.6 | 233.6 | 207.6 | 185.0 |
| 37.5° | 555.8 | 493.2 | 436.8 | 388.2 | 341.0 | 300.0 | 264.4 | 228.8 | 201.8 | 173.8 | 147.8 |
| 40°   | 554.8 | 480.2 | 416.6 | 357.8 | 308.2 | 268.5 | 234.0 | 201.5 | 171.7 | 146.7 | 121.8 |
| 42.5° | 550.7 | 465.5 | 392.7 | 332.8 | 282.9 | 244.9 | 213.1 | 180.3 | 153.6 | 126.9 | 105.7 |
| 45°   | 549.3 | 451.1 | 374.5 | 313.6 | 265.8 | 228.5 | 197.4 | 165.5 | 137.5 | 112.2 | 91.0  |
| 47.5° | 546.2 | 438.1 | 357.8 | 298.9 | 251.7 | 215.8 | 183.7 | 152.5 | 123.5 | 100.6 | 80.0  |
| 50°   | 539.4 | 424.1 | 345.5 | 287.7 | 240.1 | 203.2 | 170.3 | 136.8 | 108.4 | 85.9  | 70.1  |
| 52.5° | 532.2 | 415.2 | 337.6 | 276.4 | 227.8 | 188.1 | 155.6 | 121.8 | 95.1  | 73.9  | 61.9  |
| 55°   | 525.0 | 408.4 | 327.0 | 263.0 | 211.7 | 172.7 | 139.9 | 108.8 | 83.8  | 65.7  | 57.1  |
| 57.5° | 517.2 | 399.2 | 314.0 | 245.9 | 193.6 | 155.6 | 122.8 | 93.4  | 72.9  | 59.2  | 53.4  |
| 60°   | 510.7 | 386.2 | 291.4 | 222.0 | 169.3 | 131.7 | 101.9 | 78.0  | 61.9  | 53.4  | 51.0  |
| 62.5° | 493.6 | 361.2 | 258.9 | 186.8 | 137.5 | 103.0 | 77.6  | 60.9  | 52.0  | 47.9  | 48.2  |
| 65°   | 452.2 | 305.4 | 205.6 | 145.7 | 96.5  | 69.1  | 55.4  | 46.5  | 42.4  | 42.4  | 43.4  |
| 67.5° | 381.0 | 232.6 | 145.7 | 92.7  | 63.3  | 49.9  | 42.4  | 38.6  | 38.0  | 38.6  | 40.4  |
| 70°   | 269.9 | 150.8 | 91.3  | 60.5  | 47.5  | 40.4  | 36.6  | 35.2  | 34.5  | 35.2  | 35.9  |
| 72.5° | 166.2 | 88.9  | 58.1  | 47.2  | 40.7  | 36.3  | 33.9  | 32.8  | 32.5  | 32.5  | 32.2  |
| 75°   | 90.6  | 59.5  | 46.5  | 41.0  | 36.9  | 33.5  | 31.1  | 29.4  | 29.1  | 29.4  | 28.7  |
| 77.5° | 57.8  | 46.5  | 41.4  | 38.0  | 34.2  | 29.8  | 27.7  | 26.3  | 26.3  | 26.0  | 25.3  |
| 80°   | 45.1  | 41.4  | 38.0  | 34.5  | 28.7  | 25.3  | 23.3  | 22.9  | 22.6  | 22.2  | 22.2  |
| 82.5° | 33.9  | 32.8  | 31.1  | 28.0  | 22.9  | 20.2  | 19.2  | 19.2  | 18.8  | 17.8  | 17.8  |
| 85°   | 19.5  | 19.2  | 20.5  | 18.1  | 15.4  | 13.3  | 13.3  | 13.7  | 14.0  | 13.7  | 12.7  |
| 87.5° | 6.5   | 5.5   | 5.8   | 5.8   | 4.8   | 3.8   | 5.1   | 6.2   | 5.8   | 5.1   | 6.2   |
| 90°   | 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):**

|       | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 |
| 2.5°  | 351.3 | 352.0 | 353.3 | 352.0 | 351.3 | 351.3 | 350.6 | 350.9 | 349.9 | 348.9 | 349.2 |
| 5°    | 359.8 | 359.1 | 359.8 | 358.8 | 356.7 | 356.4 | 355.0 | 355.0 | 353.7 | 352.3 | 351.6 |
| 7.5°  | 369.4 | 368.4 | 368.7 | 366.7 | 364.3 | 362.6 | 360.8 | 360.2 | 358.5 | 356.4 | 355.0 |
| 10°   | 376.9 | 375.9 | 375.2 | 372.8 | 369.7 | 368.0 | 365.6 | 364.3 | 362.6 | 359.8 | 358.5 |
| 12.5° | 381.7 | 379.3 | 377.9 | 373.8 | 371.1 | 369.4 | 366.7 | 366.0 | 363.9 | 361.5 | 360.5 |
| 15°   | 380.7 | 375.2 | 371.1 | 366.3 | 362.6 | 360.2 | 357.8 | 357.1 | 356.1 | 355.0 | 353.0 |
| 17.5° | 363.9 | 357.1 | 352.6 | 342.7 | 337.2 | 334.9 | 334.5 | 334.2 | 333.5 | 333.5 | 331.1 |
| 20°   | 340.7 | 332.8 | 326.0 | 316.4 | 309.2 | 306.8 | 300.3 | 298.6 | 296.5 | 298.6 | 296.5 |
| 22.5° | 319.8 | 309.9 | 302.0 | 294.2 | 285.6 | 278.8 | 270.2 | 266.1 | 260.3 | 258.9 | 259.6 |
| 25°   | 297.6 | 285.3 | 275.3 | 266.1 | 256.9 | 247.3 | 239.4 | 233.6 | 229.8 | 224.7 | 219.9 |
| 27.5° | 270.5 | 260.3 | 246.9 | 239.4 | 228.5 | 217.9 | 209.7 | 203.5 | 196.7 | 192.6 | 185.7 |
| 30°   | 243.2 | 227.5 | 214.1 | 203.5 | 191.5 | 186.4 | 178.5 | 172.0 | 165.9 | 161.4 | 155.6 |
| 32.5° | 207.6 | 191.2 | 177.2 | 164.9 | 156.7 | 149.5 | 144.7 | 139.2 | 136.1 | 132.4 | 128.6 |
| 35°   | 170.0 | 149.5 | 132.7 | 127.2 | 118.0 | 118.3 | 115.9 | 113.2 | 110.8 | 107.4 | 107.1 |
| 37.5° | 128.3 | 112.2 | 101.2 | 94.4  | 93.0  | 91.0  | 91.3  | 91.0  | 90.3  | 89.3  | 89.3  |
| 40°   | 101.6 | 87.2  | 80.0  | 78.7  | 78.7  | 78.3  | 78.0  | 78.0  | 78.0  | 77.3  | 77.0  |
| 42.5° | 86.9  | 76.6  | 74.2  | 73.5  | 72.9  | 72.5  | 71.8  | 70.8  | 70.8  | 70.1  | 69.1  |
| 45°   | 76.6  | 70.8  | 70.1  | 69.4  | 69.4  | 68.4  | 67.4  | 66.7  | 66.4  | 66.0  | 65.3  |
| 47.5° | 70.1  | 67.0  | 66.4  | 65.7  | 65.3  | 64.6  | 63.6  | 62.6  | 62.3  | 61.9  | 61.9  |
| 50°   | 62.9  | 60.9  | 60.9  | 60.9  | 59.9  | 59.2  | 58.1  | 57.5  | 57.5  | 57.1  | 56.8  |
| 52.5° | 57.8  | 56.8  | 56.4  | 56.1  | 55.4  | 54.4  | 53.7  | 53.4  | 53.0  | 53.4  | 53.0  |
| 55°   | 55.4  | 54.7  | 54.4  | 53.7  | 53.0  | 52.0  | 51.3  | 50.3  | 49.9  | 50.6  | 50.6  |
| 57.5° | 52.7  | 52.3  | 52.0  | 51.3  | 50.6  | 49.3  | 48.2  | 47.5  | 47.5  | 48.6  | 48.2  |
| 60°   | 51.6  | 51.3  | 51.0  | 50.6  | 49.6  | 47.9  | 46.2  | 45.5  | 45.5  | 46.5  | 46.5  |
| 62.5° | 49.3  | 48.9  | 48.6  | 48.2  | 46.9  | 45.5  | 43.8  | 43.1  | 43.4  | 44.1  | 45.1  |
| 65°   | 44.8  | 45.1  | 44.8  | 44.8  | 43.8  | 42.8  | 41.7  | 41.0  | 40.7  | 41.0  | 42.1  |
| 67.5° | 40.7  | 41.0  | 41.0  | 41.0  | 40.7  | 39.7  | 39.0  | 38.0  | 37.3  | 37.6  | 38.0  |
| 70°   | 36.9  | 37.3  | 37.6  | 37.6  | 36.9  | 35.9  | 34.9  | 33.9  | 33.5  | 33.9  | 33.9  |
| 72.5° | 32.8  | 32.8  | 32.8  | 33.2  | 32.8  | 32.5  | 31.1  | 29.8  | 29.8  | 29.4  | 29.8  |
| 75°   | 28.7  | 28.7  | 28.7  | 28.7  | 28.0  | 28.0  | 27.4  | 26.0  | 25.7  | 26.0  | 26.3  |
| 77.5° | 25.3  | 24.6  | 24.3  | 24.3  | 24.3  | 23.6  | 23.3  | 23.3  | 22.9  | 22.9  | 22.9  |
| 80°   | 20.9  | 20.2  | 19.5  | 19.2  | 19.5  | 19.5  | 20.2  | 20.2  | 19.8  | 19.8  | 19.8  |
| 82.5° | 16.4  | 15.0  | 14.7  | 14.7  | 14.0  | 14.7  | 16.1  | 17.8  | 17.1  | 17.4  | 17.4  |
| 85°   | 12.0  | 10.6  | 9.9   | 9.9   | 9.2   | 10.6  | 12.3  | 13.7  | 13.0  | 13.7  | 13.3  |
| 87.5° | 5.5   | 5.1   | 4.1   | 3.4   | 4.1   | 6.2   | 7.2   | 7.5   | 6.5   | 7.9   | 7.9   |
| 90°   | 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):**

|       | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 |
| 2.5°  | 350.6 | 349.2 | 348.9 | 349.2 | 348.5 | 349.6 | 349.6 | 349.2 | 349.2 | 348.9 | 349.6 |
| 5°    | 352.6 | 350.9 | 349.9 | 349.9 | 349.2 | 350.2 | 349.6 | 349.2 | 348.9 | 348.9 | 348.9 |
| 7.5°  | 355.7 | 353.3 | 351.6 | 350.6 | 349.2 | 349.2 | 348.2 | 347.2 | 346.5 | 346.1 | 346.1 |
| 10°   | 358.5 | 355.0 | 352.3 | 349.9 | 347.8 | 346.1 | 344.4 | 342.0 | 341.4 | 340.7 | 341.0 |
| 12.5° | 358.1 | 354.3 | 350.2 | 346.5 | 341.7 | 339.6 | 335.2 | 332.5 | 332.5 | 330.7 | 331.8 |
| 15°   | 350.6 | 344.1 | 338.3 | 332.1 | 326.3 | 322.2 | 316.7 | 313.6 | 311.9 | 311.6 | 314.0 |
| 17.5° | 328.0 | 321.9 | 316.4 | 309.5 | 302.0 | 299.3 | 295.5 | 294.2 | 293.1 | 294.8 | 296.5 |
| 20°   | 297.6 | 289.7 | 284.6 | 280.5 | 280.5 | 279.8 | 278.1 | 275.7 | 273.6 | 273.3 | 275.3 |
| 22.5° | 254.5 | 251.4 | 252.4 | 249.7 | 249.7 | 248.3 | 251.1 | 246.6 | 249.0 | 246.9 | 248.0 |
| 25°   | 218.6 | 217.2 | 216.5 | 216.2 | 216.2 | 218.6 | 218.2 | 218.9 | 216.5 | 217.9 | 217.5 |
| 27.5° | 186.1 | 184.4 | 182.0 | 183.3 | 184.7 | 186.4 | 187.1 | 187.4 | 189.5 | 185.7 | 187.1 |
| 30°   | 154.9 | 152.2 | 153.9 | 152.5 | 153.2 | 152.9 | 152.9 | 152.9 | 154.3 | 157.0 | 154.9 |
| 32.5° | 126.9 | 125.5 | 127.2 | 124.8 | 125.2 | 125.2 | 124.5 | 123.5 | 124.2 | 121.1 | 123.5 |
| 35°   | 105.0 | 103.3 | 104.7 | 103.6 | 102.6 | 99.9  | 98.8  | 97.1  | 97.5  | 96.8  | 96.5  |
| 37.5° | 87.9  | 87.6  | 86.5  | 86.5  | 85.9  | 85.5  | 83.8  | 84.1  | 84.5  | 85.2  | 85.2  |
| 40°   | 75.9  | 75.6  | 75.2  | 75.9  | 76.3  | 76.6  | 77.3  | 78.0  | 79.0  | 80.0  | 81.1  |
| 42.5° | 69.1  | 69.1  | 69.1  | 70.5  | 71.5  | 73.2  | 74.2  | 75.6  | 77.0  | 78.7  | 80.0  |
| 45°   | 65.0  | 64.6  | 65.3  | 66.4  | 68.1  | 69.8  | 71.5  | 73.5  | 75.6  | 77.3  | 78.3  |
| 47.5° | 61.6  | 61.2  | 61.9  | 62.9  | 64.6  | 67.4  | 69.8  | 72.2  | 74.6  | 76.3  | 77.0  |
| 50°   | 57.1  | 57.1  | 57.5  | 58.5  | 60.2  | 62.6  | 65.0  | 67.7  | 70.1  | 71.5  | 72.2  |
| 52.5° | 53.7  | 54.0  | 54.0  | 55.1  | 56.8  | 58.8  | 61.2  | 63.6  | 65.3  | 66.4  | 67.7  |
| 55°   | 50.3  | 51.0  | 51.0  | 52.0  | 53.7  | 56.1  | 59.2  | 61.2  | 63.3  | 64.6  | 65.7  |
| 57.5° | 47.9  | 48.2  | 48.2  | 49.6  | 51.6  | 53.7  | 56.8  | 59.5  | 61.9  | 63.6  | 65.0  |
| 60°   | 45.8  | 46.2  | 45.8  | 47.5  | 49.3  | 51.6  | 54.4  | 57.5  | 60.9  | 63.3  | 64.3  |
| 62.5° | 44.1  | 44.1  | 43.8  | 45.1  | 46.2  | 47.5  | 49.9  | 53.4  | 56.4  | 58.5  | 59.5  |
| 65°   | 42.1  | 42.1  | 41.4  | 42.8  | 42.8  | 44.8  | 46.5  | 49.6  | 52.0  | 54.4  | 55.1  |
| 67.5° | 38.0  | 38.6  | 38.3  | 39.3  | 40.7  | 42.1  | 44.1  | 46.5  | 48.9  | 50.6  | 51.6  |
| 70°   | 33.9  | 34.2  | 35.2  | 35.9  | 37.3  | 38.0  | 39.7  | 41.4  | 43.8  | 44.8  | 45.8  |
| 72.5° | 30.1  | 30.4  | 31.1  | 31.8  | 33.2  | 33.9  | 35.2  | 36.6  | 38.6  | 39.7  | 40.7  |
| 75°   | 26.3  | 26.7  | 27.0  | 27.7  | 28.4  | 29.1  | 29.8  | 31.1  | 32.5  | 33.9  | 34.9  |
| 77.5° | 22.6  | 22.9  | 23.9  | 23.6  | 24.3  | 24.6  | 25.7  | 26.3  | 27.0  | 28.4  | 29.8  |
| 80°   | 19.8  | 19.5  | 20.2  | 20.5  | 21.2  | 21.2  | 21.9  | 21.9  | 22.9  | 22.9  | 23.3  |
| 82.5° | 16.8  | 16.4  | 17.1  | 18.1  | 18.5  | 18.5  | 19.2  | 17.8  | 17.4  | 17.8  | 18.8  |
| 85°   | 12.7  | 13.0  | 13.3  | 14.7  | 15.0  | 15.0  | 15.7  | 14.7  | 13.3  | 13.3  | 14.0  |
| 87.5° | 7.2   | 5.5   | 7.9   | 9.2   | 9.2   | 9.6   | 10.3  | 9.9   | 9.6   | 7.5   | 7.9   |
| 90°   | 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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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|       | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 0°    |
| 2.5°  | 349.2 | 349.6 | 349.9 | 350.2 | 350.6 | 350.2 | 350.9 | 350.2 | 350.6 | 349.9 | 349.6 | 2.5°  |
| 5°    | 348.9 | 349.2 | 349.2 | 349.9 | 350.2 | 349.2 | 349.9 | 348.9 | 348.9 | 348.2 | 347.2 | 5°    |
| 7.5°  | 346.5 | 347.2 | 347.2 | 347.8 | 347.8 | 346.8 | 346.8 | 344.8 | 344.1 | 341.7 | 340.0 | 7.5°  |
| 10°   | 341.7 | 342.7 | 343.4 | 344.8 | 345.5 | 343.7 | 342.7 | 340.3 | 337.6 | 334.9 | 332.1 | 10°   |
| 12.5° | 333.5 | 333.8 | 336.2 | 338.3 | 339.3 | 340.3 | 339.6 | 339.3 | 336.6 | 334.9 | 333.8 | 12.5° |
| 15°   | 314.7 | 317.4 | 319.8 | 324.6 | 328.0 | 331.8 | 334.5 | 337.6 | 339.0 | 340.7 | 341.4 | 15°   |
| 17.5° | 298.3 | 301.3 | 303.0 | 307.1 | 310.6 | 316.4 | 323.6 | 331.4 | 336.9 | 343.7 | 350.2 | 17.5° |
| 20°   | 275.3 | 280.5 | 281.8 | 288.3 | 292.8 | 300.3 | 308.2 | 318.1 | 329.0 | 339.6 | 351.3 | 20°   |
| 22.5° | 249.7 | 252.1 | 254.8 | 261.7 | 267.1 | 276.7 | 288.7 | 302.4 | 315.0 | 329.7 | 346.5 | 22.5° |
| 25°   | 218.6 | 221.6 | 224.4 | 231.9 | 239.8 | 248.7 | 263.0 | 279.8 | 295.9 | 315.4 | 337.2 | 25°   |
| 27.5° | 187.8 | 190.2 | 195.0 | 200.4 | 209.3 | 218.9 | 236.7 | 255.2 | 273.6 | 297.2 | 323.2 | 27.5° |
| 30°   | 155.6 | 158.0 | 160.4 | 166.9 | 176.1 | 187.4 | 203.5 | 225.4 | 247.3 | 272.6 | 303.4 | 30°   |
| 32.5° | 124.8 | 125.5 | 130.3 | 135.1 | 143.0 | 152.5 | 170.0 | 191.2 | 214.8 | 245.6 | 276.0 | 32.5° |
| 35°   | 97.5  | 101.6 | 103.6 | 110.1 | 114.9 | 124.8 | 139.6 | 159.0 | 183.7 | 214.8 | 247.6 | 35°   |
| 37.5° | 86.5  | 87.9  | 90.6  | 95.4  | 101.9 | 110.8 | 121.1 | 136.1 | 157.3 | 183.7 | 214.5 | 37.5° |
| 40°   | 82.4  | 83.8  | 85.9  | 89.6  | 95.8  | 104.0 | 112.5 | 124.5 | 140.9 | 161.8 | 189.5 | 40°   |
| 42.5° | 81.1  | 81.4  | 82.1  | 85.5  | 91.7  | 100.9 | 111.2 | 122.4 | 135.1 | 151.9 | 173.8 | 42.5° |
| 45°   | 79.4  | 79.4  | 79.7  | 82.1  | 87.6  | 97.1  | 110.1 | 124.5 | 138.9 | 153.9 | 172.4 | 45°   |
| 47.5° | 78.0  | 78.3  | 78.0  | 79.0  | 83.1  | 92.3  | 106.7 | 124.2 | 143.3 | 162.8 | 183.0 | 47.5° |
| 50°   | 72.5  | 72.5  | 72.9  | 73.2  | 76.3  | 85.2  | 99.2  | 118.3 | 141.9 | 168.3 | 196.0 | 50°   |
| 52.5° | 68.1  | 68.7  | 68.7  | 69.4  | 71.5  | 78.7  | 92.7  | 112.9 | 138.5 | 169.3 | 206.6 | 52.5° |
| 55°   | 66.7  | 67.4  | 67.7  | 67.7  | 69.1  | 75.2  | 88.6  | 107.7 | 134.8 | 168.3 | 210.7 | 55°   |
| 57.5° | 65.7  | 66.4  | 66.7  | 66.4  | 67.4  | 72.5  | 84.8  | 103.6 | 130.7 | 165.9 | 212.4 | 57.5° |
| 60°   | 64.6  | 65.0  | 64.3  | 63.6  | 64.0  | 68.4  | 79.4  | 97.8  | 125.9 | 162.5 | 211.7 | 60°   |
| 62.5° | 59.9  | 60.2  | 59.5  | 58.8  | 58.1  | 61.6  | 71.5  | 89.6  | 115.9 | 154.6 | 206.2 | 62.5° |
| 65°   | 55.8  | 55.8  | 55.8  | 55.1  | 54.4  | 56.4  | 63.6  | 79.0  | 101.9 | 140.6 | 193.6 | 65°   |
| 67.5° | 52.3  | 52.0  | 52.0  | 51.6  | 51.0  | 51.6  | 56.1  | 66.7  | 84.5  | 118.3 | 170.7 | 67.5° |
| 70°   | 46.9  | 46.5  | 46.9  | 46.5  | 45.8  | 45.8  | 47.9  | 53.7  | 65.7  | 86.9  | 132.7 | 70°   |
| 72.5° | 41.4  | 41.7  | 42.4  | 42.4  | 42.4  | 42.8  | 42.8  | 44.5  | 51.0  | 62.3  | 90.3  | 72.5° |
| 75°   | 35.6  | 35.9  | 36.9  | 38.3  | 37.6  | 38.0  | 38.0  | 39.0  | 42.4  | 49.3  | 63.3  | 75°   |
| 77.5° | 30.1  | 31.1  | 32.5  | 32.8  | 31.8  | 31.8  | 32.5  | 34.2  | 37.3  | 41.4  | 48.2  | 77.5° |
| 80°   | 24.6  | 26.0  | 26.3  | 27.0  | 27.4  | 27.4  | 28.0  | 29.4  | 32.5  | 37.6  | 43.1  | 80°   |
| 82.5° | 19.5  | 20.5  | 21.5  | 22.6  | 23.3  | 24.3  | 24.6  | 25.3  | 28.4  | 33.5  | 39.7  | 82.5° |
| 85°   | 14.7  | 15.7  | 17.1  | 18.1  | 18.8  | 19.8  | 19.5  | 19.8  | 21.5  | 25.7  | 30.1  | 85°   |
| 87.5° | 8.9   | 8.9   | 9.9   | 10.3  | 10.6  | 10.6  | 11.3  | 9.9   | 10.6  | 13.7  | 16.4  | 87.5° |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 90°   |



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NUMBER: EMM-E01-LED-E1-SLL-7050

**DISTRIBUTION (continued):**

| 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°   |
|-------|-------|-------|-------|-------|-------|--------|
| 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9 | 348.9  |
| 349.9 | 349.6 | 349.2 | 349.6 | 350.2 | 350.2 | 349.2  |
| 347.5 | 346.5 | 345.8 | 345.8 | 345.8 | 345.5 | 344.8  |
| 339.3 | 337.6 | 336.6 | 335.9 | 335.5 | 335.5 | 334.2  |
| 330.4 | 329.4 | 327.3 | 326.6 | 327.0 | 328.0 | 327.7  |
| 332.5 | 329.4 | 328.4 | 328.4 | 328.0 | 329.7 | 329.4  |
| 343.7 | 343.7 | 342.4 | 342.0 | 341.4 | 343.4 | 343.4  |
| 355.7 | 358.8 | 360.2 | 358.8 | 359.1 | 359.5 | 362.2  |
| 362.2 | 371.1 | 375.9 | 379.7 | 380.0 | 382.1 | 381.7  |
| 363.2 | 379.3 | 392.0 | 400.2 | 407.7 | 411.5 | 410.8  |
| 358.1 | 380.3 | 402.6 | 423.4 | 439.2 | 447.7 | 454.9  |
| 351.3 | 377.6 | 406.3 | 435.8 | 461.4 | 484.3 | 498.7  |
| 335.2 | 368.7 | 405.7 | 443.3 | 479.9 | 512.7 | 539.4  |
| 312.6 | 351.3 | 395.4 | 445.0 | 496.3 | 541.8 | 580.8  |
| 282.5 | 323.9 | 377.6 | 438.5 | 506.2 | 573.9 | 632.8  |
| 250.0 | 295.5 | 354.3 | 427.5 | 511.3 | 599.6 | 680.3  |
| 221.6 | 266.4 | 330.7 | 413.5 | 510.7 | 616.3 | 715.2  |
| 203.2 | 245.2 | 310.2 | 400.2 | 507.2 | 625.9 | 742.6  |
| 197.0 | 235.0 | 296.5 | 389.6 | 505.2 | 632.8 | 761.4  |
| 205.2 | 238.1 | 293.5 | 384.8 | 504.5 | 640.6 | 777.8  |
| 224.4 | 255.2 | 305.1 | 392.7 | 510.7 | 648.5 | 794.2  |
| 242.5 | 279.1 | 330.4 | 415.2 | 533.6 | 671.4 | 816.8  |
| 257.2 | 305.1 | 357.8 | 445.0 | 566.4 | 707.0 | 850.6  |
| 265.4 | 325.3 | 393.3 | 486.4 | 611.2 | 759.3 | 906.1  |
| 268.8 | 339.3 | 423.8 | 529.8 | 667.7 | 819.2 | 976.2  |
| 267.5 | 345.8 | 445.7 | 569.5 | 718.6 | 884.8 | 1055.9 |
| 258.9 | 345.8 | 459.4 | 601.3 | 761.4 | 937.2 | 1126.0 |
| 238.4 | 333.8 | 460.7 | 619.8 | 794.2 | 981.3 | 1183.4 |
| 200.8 | 299.3 | 437.8 | 617.7 | 804.5 | 995.3 | 1213.5 |
| 140.6 | 223.3 | 365.3 | 558.2 | 760.7 | 962.1 | 1180.4 |
| 87.2  | 139.2 | 261.7 | 431.6 | 633.1 | 816.4 | 1050.4 |
| 61.2  | 84.5  | 149.8 | 273.3 | 435.8 | 608.5 | 784.3  |
| 51.0  | 62.3  | 85.5  | 150.5 | 262.0 | 374.9 | 493.2  |
| 44.1  | 50.3  | 59.5  | 85.9  | 133.4 | 199.7 | 274.7  |
| 32.8  | 36.6  | 41.0  | 56.4  | 84.1  | 123.5 | 187.8  |
| 13.3  | 15.0  | 16.8  | 22.6  | 51.6  | 71.1  | 76.3   |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    |

(END OF REPORT)