

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: LUMARK

Report Number: P145725

Luminaire Tested: **LDRL-SLL-F01-E**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P145725  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33704)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: LDRL-SLL-F01-E  
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (7) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2223.5 lumens  
Efficiency: N/A  
Efficacy: 85.8 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 - G1

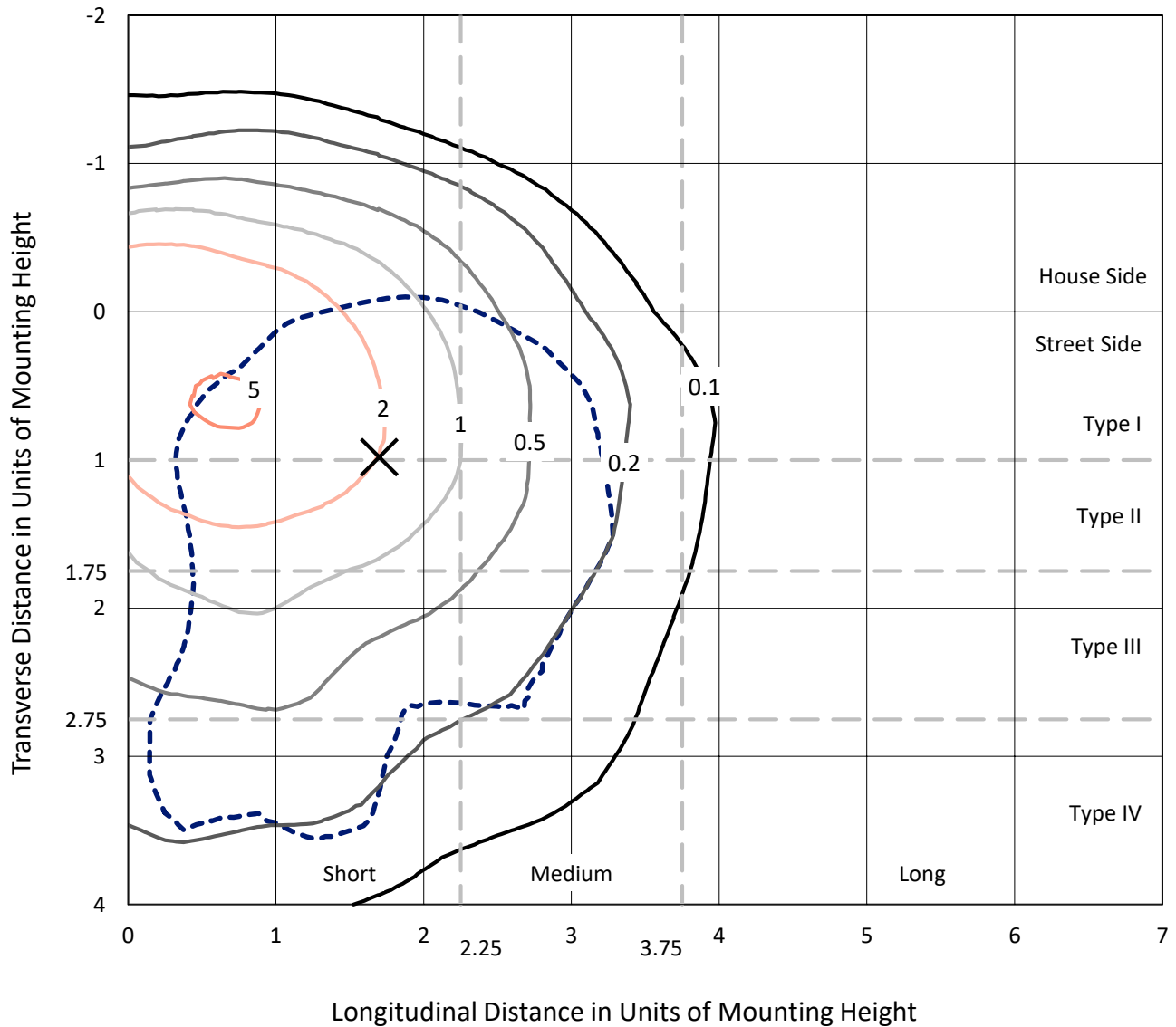
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

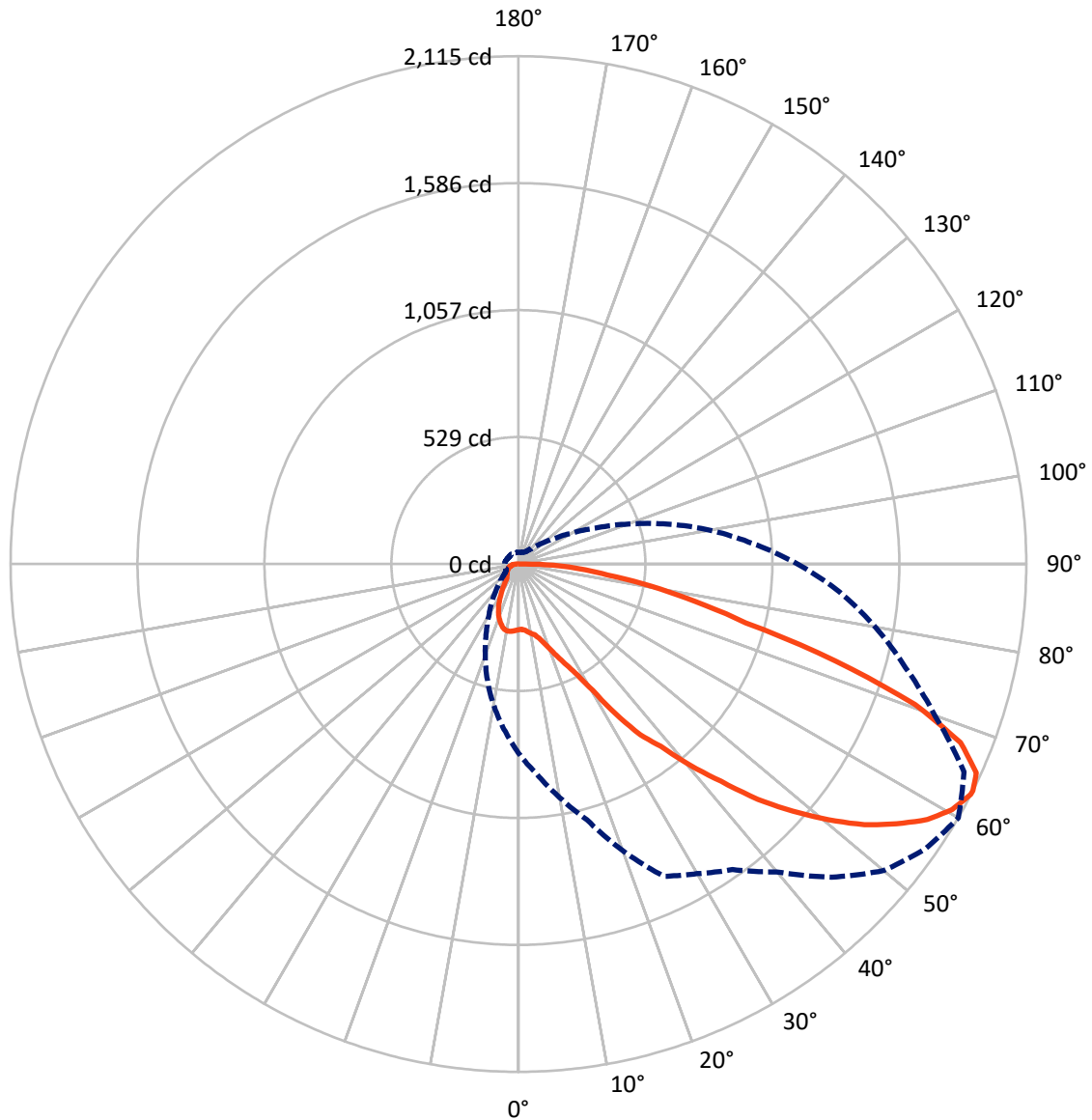
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 63-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 465.4    | 0.0    | 465.4  |
|                    | % Fixture | 20.9     | 0.0    | 20.9   |
| <b>Street Side</b> | Lumens    | 1758.1   | 0.0    | 1758.1 |
|                    | % Fixture | 79.1     | 0.0    | 79.1   |
| <b>Total</b>       | Lumens    | 2223.5   | 0.0    | 2223.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 26.8   | 1.2       |
| 10°-20°   | 83.7   | 3.8       |
| 20°-30°   | 148.0  | 6.7       |
| 30°-40°   | 233.7  | 10.5      |
| 40°-50°   | 343.7  | 15.5      |
| 50°-60°   | 452.7  | 20.4      |
| 60°-70°   | 504.6  | 22.7      |
| 70°-80°   | 331.5  | 14.9      |
| 80°-90°   | 98.9   | 4.4       |
| 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°    | 2223.5 | 100.0     |
| 0°-180°   | 2223.5 | 100.0     |

**Coefficient of Utilization**



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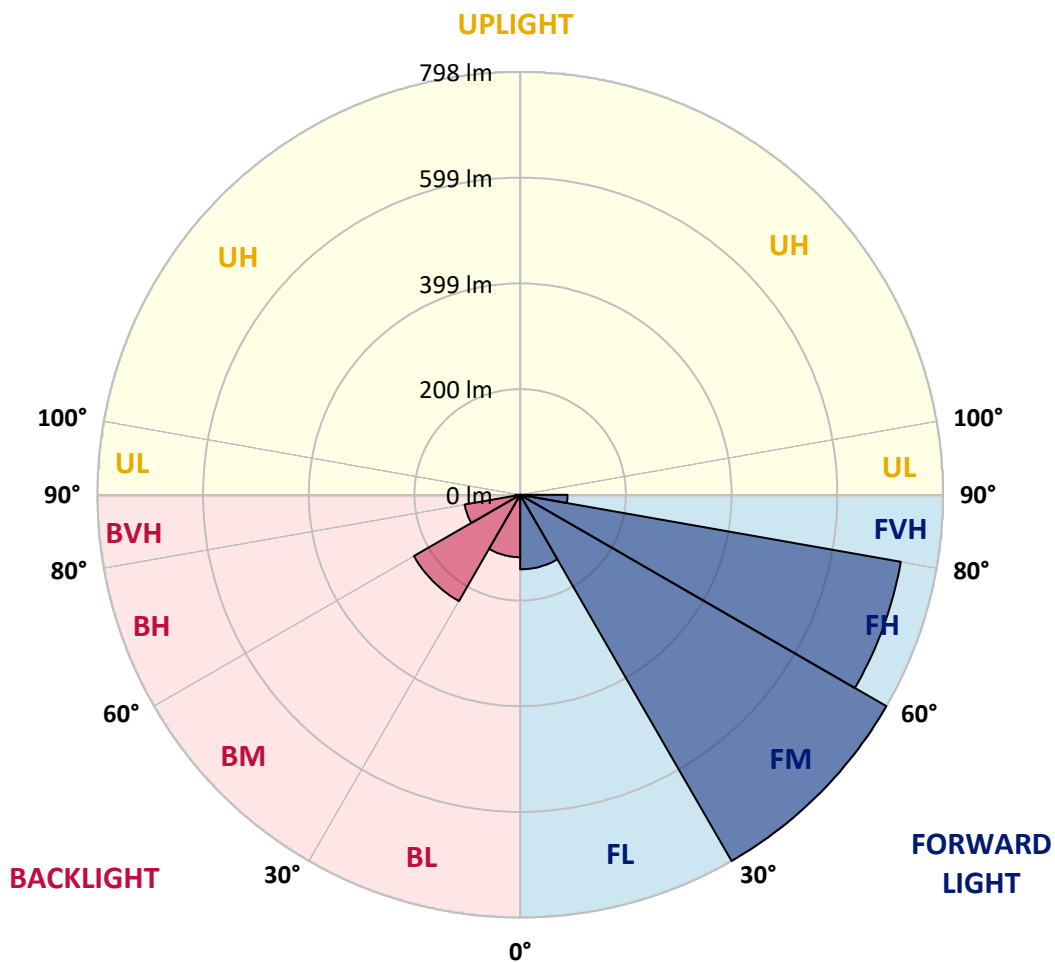
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 140.7  | 6.3       |                         |      |         |
| FM   | (30°-60°)   | 798.3  | 35.9      |                         |      |         |
| FH   | (60°-80°)   | 729.7  | 32.8      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 89.3   | 4.0       |                         |      | G1/100  |
| BL   | (0°-30°)    | 117.8  | 5.3       | B1/500                  |      |         |
| BM   | (30°-60°)   | 231.7  | 10.4      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 106.4  | 4.8       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 9.5    | 0.4       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 273.1 | 273.1  | 273.1  | 273.1  | 273.1  | 273.1  | 273.1  | 273.1  | 273.1  | 273.1  | 273.1  |
| 2.5°  | 272.8 | 272.9  | 272.4  | 272.3  | 271.9  | 272.1  | 272.1  | 271.8  | 271.8  | 271.9  | 271.4  |
| 5°    | 271.4 | 271.8  | 271.6  | 271.9  | 272.3  | 272.8  | 273.2  | 273.7  | 274.2  | 274.9  | 275.1  |
| 7.5°  | 269.9 | 270.9  | 271.1  | 272.1  | 273.2  | 274.6  | 276.2  | 278.0  | 280.5  | 281.2  | 282.7  |
| 10°   | 270.8 | 272.6  | 273.6  | 275.6  | 277.4  | 279.9  | 282.8  | 284.6  | 287.8  | 288.9  | 291.1  |
| 12.5° | 277.2 | 278.5  | 279.9  | 282.2  | 284.8  | 287.9  | 291.2  | 294.1  | 297.4  | 298.5  | 299.3  |
| 15°   | 289.4 | 290.7  | 292.2  | 294.5  | 297.4  | 301.2  | 305.9  | 309.4  | 313.4  | 316.3  | 318.5  |
| 17.5° | 306.4 | 306.4  | 309.9  | 310.6  | 316.0  | 321.8  | 327.7  | 334.5  | 338.6  | 341.1  | 345.1  |
| 20°   | 330.9 | 330.9  | 335.5  | 337.6  | 342.3  | 349.7  | 357.8  | 365.2  | 371.2  | 376.1  | 379.7  |
| 22.5° | 373.1 | 371.3  | 375.3  | 374.8  | 380.4  | 391.5  | 399.4  | 403.5  | 411.4  | 414.4  | 419.2  |
| 25°   | 422.2 | 428.6  | 432.9  | 432.9  | 435.2  | 446.6  | 453.2  | 456.4  | 463.6  | 461.5  | 466.4  |
| 27.5° | 482.3 | 499.6  | 515.6  | 522.2  | 519.1  | 531.6  | 533.9  | 536.9  | 536.1  | 531.0  | 529.5  |
| 30°   | 541.4 | 571.9  | 596.9  | 612.0  | 629.5  | 653.8  | 653.8  | 657.8  | 649.2  | 635.0  | 626.6  |
| 32.5° | 582.3 | 621.6  | 659.8  | 691.3  | 721.0  | 758.2  | 773.8  | 795.6  | 799.3  | 804.7  | 785.9  |
| 35°   | 616.0 | 671.2  | 712.1  | 759.5  | 795.8  | 833.4  | 875.2  | 913.0  | 938.1  | 934.0  | 926.6  |
| 37.5° | 639.1 | 710.0  | 767.1  | 822.7  | 878.0  | 921.1  | 960.7  | 1010.1 | 1058.2 | 1067.7 | 1047.6 |
| 40°   | 655.3 | 737.4  | 815.9  | 884.3  | 953.8  | 1018.5 | 1066.7 | 1119.7 | 1195.0 | 1226.9 | 1210.4 |
| 42.5° | 663.1 | 758.8  | 846.5  | 933.5  | 1021.5 | 1103.2 | 1163.7 | 1236.3 | 1325.6 | 1380.1 | 1362.0 |
| 45°   | 666.4 | 772.0  | 871.3  | 970.3  | 1076.0 | 1176.9 | 1254.8 | 1337.2 | 1437.7 | 1525.2 | 1528.5 |
| 47.5° | 665.5 | 779.1  | 888.3  | 996.6  | 1118.8 | 1236.1 | 1340.7 | 1434.1 | 1548.0 | 1640.0 | 1674.2 |
| 50°   | 663.2 | 781.6  | 898.5  | 1012.4 | 1145.7 | 1279.6 | 1397.3 | 1508.4 | 1635.7 | 1752.1 | 1804.1 |
| 52.5° | 663.1 | 782.1  | 903.6  | 1021.2 | 1161.5 | 1306.1 | 1432.8 | 1564.0 | 1703.6 | 1825.2 | 1906.3 |
| 55°   | 667.0 | 785.1  | 909.2  | 1027.3 | 1170.1 | 1321.2 | 1452.8 | 1598.9 | 1733.1 | 1871.3 | 1976.0 |
| 57.5° | 683.0 | 798.9  | 922.6  | 1037.7 | 1179.7 | 1333.1 | 1468.3 | 1608.9 | 1741.9 | 1890.5 | 2016.4 |
| 60°   | 718.2 | 824.9  | 945.9  | 1056.8 | 1204.6 | 1364.3 | 1483.0 | 1594.7 | 1725.3 | 1885.0 | 2022.2 |
| 62.5° | 773.0 | 866.5  | 978.4  | 1092.2 | 1255.3 | 1423.5 | 1489.1 | 1562.2 | 1684.6 | 1853.6 | 1997.3 |
| 63°   | 787.1 | 877.5  | 987.0  | 1101.9 | 1270.0 | 1434.8 | 1488.6 | 1553.6 | 1673.3 | 1844.4 | 1986.0 |
| 65°   | 845.7 | 928.7  | 1027.0 | 1148.5 | 1336.9 | 1470.4 | 1470.6 | 1503.1 | 1616.0 | 1793.4 | 1940.0 |
| 67.5° | 933.8 | 1013.1 | 1089.0 | 1209.9 | 1410.8 | 1488.3 | 1417.3 | 1392.7 | 1492.5 | 1685.4 | 1823.1 |
| 70°   | 992.6 | 1090.5 | 1133.1 | 1226.1 | 1420.9 | 1466.6 | 1332.9 | 1250.8 | 1333.7 | 1494.9 | 1617.2 |
| 72.5° | 994.1 | 1105.7 | 1118.1 | 1157.1 | 1326.6 | 1363.3 | 1187.6 | 1076.5 | 1126.3 | 1261.6 | 1326.0 |
| 75°   | 887.9 | 1028.3 | 1002.8 | 988.5  | 1080.3 | 1096.0 | 960.6  | 914.4  | 978.2  | 1058.2 | 1026.0 |
| 77.5° | 660.1 | 846.7  | 795.0  | 733.9  | 767.2  | 769.6  | 773.8  | 861.0  | 939.4  | 972.1  | 925.2  |
| 80°   | 409.6 | 622.0  | 582.3  | 481.6  | 494.5  | 532.5  | 646.4  | 800.4  | 886.3  | 909.7  | 815.9  |
| 82.5° | 247.0 | 457.5  | 436.4  | 367.5  | 383.7  | 478.3  | 604.3  | 646.9  | 675.8  | 673.6  | 576.7  |
| 85°   | 181.0 | 310.7  | 339.5  | 344.6  | 402.0  | 464.4  | 461.8  | 430.3  | 412.6  | 363.1  | 309.9  |
| 87.5° | 57.0  | 160.3  | 190.2  | 221.7  | 242.9  | 229.8  | 226.0  | 195.3  | 139.8  | 118.2  | 129.9  |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°   | 100°  | 105°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0°    | 273.1  | 273.1  | 273.1  | 273.1  | 273.1  | 273.1  | 273.1  | 273.1  | 273.1 | 273.1 | 273.1 |
| 2.5°  | 271.4  | 272.1  | 272.4  | 272.3  | 272.4  | 272.4  | 273.4  | 273.1  | 273.4 | 273.2 | 274.2 |
| 5°    | 275.6  | 276.6  | 277.4  | 277.4  | 277.5  | 277.9  | 279.2  | 279.2  | 279.9 | 281.2 | 281.8 |
| 7.5°  | 283.7  | 285.0  | 285.1  | 285.5  | 286.5  | 286.0  | 286.8  | 287.1  | 287.6 | 288.3 | 289.1 |
| 10°   | 292.1  | 293.9  | 293.9  | 293.7  | 293.9  | 292.6  | 293.1  | 292.1  | 292.2 | 293.2 | 294.2 |
| 12.5° | 301.5  | 302.5  | 301.8  | 301.3  | 301.3  | 298.8  | 298.5  | 297.2  | 296.5 | 296.7 | 297.0 |
| 15°   | 320.3  | 319.5  | 319.3  | 318.5  | 315.5  | 313.7  | 312.4  | 308.3  | 306.1 | 304.9 | 303.0 |
| 17.5° | 345.4  | 345.9  | 345.1  | 344.2  | 340.0  | 333.8  | 331.2  | 326.7  | 323.8 | 320.8 | 317.2 |
| 20°   | 382.1  | 378.8  | 378.4  | 375.8  | 369.8  | 361.2  | 354.8  | 347.5  | 343.4 | 339.1 | 335.3 |
| 22.5° | 422.5  | 419.0  | 416.7  | 411.6  | 402.9  | 392.0  | 381.2  | 372.0  | 365.7 | 362.6 | 359.9 |
| 25°   | 467.4  | 465.4  | 461.6  | 448.6  | 441.7  | 429.1  | 417.4  | 408.3  | 401.2 | 398.6 | 393.9 |
| 27.5° | 521.2  | 522.7  | 515.6  | 503.4  | 494.7  | 477.0  | 466.9  | 451.2  | 445.3 | 435.7 | 429.8 |
| 30°   | 619.3  | 609.7  | 597.7  | 579.0  | 561.4  | 537.6  | 520.9  | 504.6  | 495.8 | 482.9 | 467.1 |
| 32.5° | 779.6  | 743.1  | 710.8  | 671.2  | 633.7  | 603.3  | 579.2  | 558.6  | 545.2 | 523.9 | 497.0 |
| 35°   | 908.9  | 873.7  | 820.2  | 762.6  | 713.4  | 674.5  | 644.1  | 624.6  | 597.8 | 563.8 | 524.9 |
| 37.5° | 1003.7 | 963.2  | 913.2  | 869.1  | 815.5  | 772.0  | 730.9  | 690.5  | 652.8 | 601.3 | 551.6 |
| 40°   | 1157.6 | 1102.7 | 1020.3 | 968.3  | 924.4  | 865.6  | 827.2  | 772.7  | 715.4 | 649.0 | 577.0 |
| 42.5° | 1309.8 | 1237.1 | 1162.5 | 1102.7 | 1040.3 | 976.6  | 923.8  | 850.6  | 774.5 | 688.5 | 599.8 |
| 45°   | 1486.6 | 1397.6 | 1300.0 | 1216.5 | 1152.4 | 1077.5 | 1009.8 | 920.0  | 822.9 | 720.8 | 619.6 |
| 47.5° | 1626.0 | 1537.8 | 1427.7 | 1343.5 | 1257.1 | 1172.6 | 1084.7 | 974.0  | 858.9 | 747.3 | 638.1 |
| 50°   | 1759.5 | 1674.5 | 1557.4 | 1454.1 | 1354.9 | 1252.8 | 1146.7 | 1012.3 | 887.1 | 767.9 | 652.8 |
| 52.5° | 1879.4 | 1803.8 | 1677.3 | 1553.8 | 1442.9 | 1325.3 | 1193.7 | 1048.1 | 914.2 | 789.2 | 664.4 |
| 55°   | 1980.9 | 1910.1 | 1796.7 | 1643.0 | 1517.0 | 1386.9 | 1238.1 | 1080.8 | 942.7 | 811.5 | 672.8 |
| 57.5° | 2049.1 | 2008.2 | 1887.0 | 1721.4 | 1577.9 | 1439.4 | 1271.6 | 1113.6 | 969.5 | 825.4 | 676.4 |
| 60°   | 2080.8 | 2075.4 | 1972.8 | 1792.2 | 1632.1 | 1480.3 | 1313.9 | 1148.5 | 987.2 | 831.6 | 671.3 |
| 62.5° | 2074.2 | 2113.2 | 2038.2 | 1840.8 | 1666.6 | 1505.9 | 1341.0 | 1163.5 | 982.7 | 816.4 | 648.7 |
| 63°   | 2068.1 | 2114.8 | 2047.5 | 1845.5 | 1669.4 | 1508.4 | 1343.6 | 1161.7 | 978.6 | 809.7 | 640.9 |
| 65°   | 2023.4 | 2095.3 | 2049.8 | 1837.0 | 1656.5 | 1501.3 | 1331.7 | 1133.1 | 937.5 | 767.1 | 597.0 |
| 67.5° | 1913.7 | 1985.9 | 1960.6 | 1742.4 | 1573.1 | 1425.0 | 1248.7 | 1035.9 | 836.8 | 676.6 | 515.6 |
| 70°   | 1687.4 | 1751.9 | 1721.7 | 1529.7 | 1372.5 | 1267.5 | 1099.9 | 861.5  | 681.7 | 543.9 | 392.5 |
| 72.5° | 1334.7 | 1380.1 | 1386.7 | 1234.2 | 1113.8 | 1050.7 | 886.1  | 649.9  | 498.0 | 378.8 | 254.8 |
| 75°   | 988.3  | 977.8  | 979.9  | 894.7  | 845.7  | 819.1  | 662.4  | 445.8  | 335.5 | 231.5 | 151.1 |
| 77.5° | 830.6  | 754.7  | 690.0  | 666.4  | 609.2  | 592.7  | 436.9  | 273.6  | 195.8 | 138.5 | 86.0  |
| 80°   | 675.4  | 560.4  | 466.3  | 424.5  | 402.2  | 405.5  | 241.7  | 145.8  | 102.5 | 75.5  | 53.8  |
| 82.5° | 461.8  | 374.3  | 295.2  | 256.4  | 252.4  | 256.2  | 125.6  | 71.5   | 54.2  | 43.4  | 33.8  |
| 85°   | 273.1  | 257.1  | 229.5  | 203.7  | 194.8  | 183.9  | 93.4   | 51.2   | 27.9  | 23.1  | 19.0  |
| 87.5° | 118.1  | 145.0  | 148.4  | 147.8  | 137.5  | 110.5  | 34.3   | 13.2   | 11.7  | 5.9   | 4.8   |
| 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°    | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 |
| 2.5°  | 274.2 | 274.4 | 274.1 | 274.4 | 275.6 | 275.6 | 275.4 | 275.7 | 275.9 | 276.9 | 276.6 |
| 5°    | 282.5 | 282.7 | 282.8 | 284.0 | 284.8 | 285.8 | 285.5 | 285.8 | 286.5 | 286.6 | 287.0 |
| 7.5°  | 290.1 | 291.1 | 292.4 | 292.9 | 294.4 | 294.7 | 296.2 | 296.4 | 296.7 | 296.0 | 295.4 |
| 10°   | 295.4 | 296.4 | 298.0 | 298.8 | 301.5 | 301.8 | 303.0 | 303.3 | 304.0 | 303.5 | 303.0 |
| 12.5° | 298.0 | 298.8 | 300.7 | 302.3 | 305.9 | 307.1 | 309.1 | 310.2 | 311.1 | 310.6 | 308.9 |
| 15°   | 303.5 | 303.3 | 304.3 | 305.6 | 308.9 | 311.1 | 313.9 | 315.4 | 316.3 | 315.5 | 313.4 |
| 17.5° | 316.0 | 313.7 | 313.7 | 312.9 | 315.4 | 315.8 | 317.0 | 317.8 | 317.5 | 315.0 | 311.6 |
| 20°   | 333.3 | 329.9 | 327.7 | 325.8 | 324.9 | 320.8 | 318.7 | 315.7 | 313.0 | 308.6 | 304.6 |
| 22.5° | 355.8 | 353.3 | 348.4 | 343.9 | 337.6 | 329.2 | 320.1 | 312.4 | 306.6 | 300.5 | 293.7 |
| 25°   | 389.8 | 384.2 | 377.1 | 366.5 | 358.4 | 343.6 | 328.4 | 313.7 | 301.3 | 291.7 | 280.3 |
| 27.5° | 421.8 | 410.0 | 396.6 | 380.1 | 365.2 | 345.4 | 326.1 | 309.1 | 292.9 | 277.5 | 264.5 |
| 30°   | 448.6 | 428.0 | 406.2 | 383.0 | 361.9 | 338.0 | 315.5 | 296.2 | 277.9 | 259.7 | 247.3 |
| 32.5° | 468.7 | 439.0 | 410.0 | 380.4 | 354.3 | 326.2 | 300.5 | 279.9 | 259.0 | 239.9 | 225.5 |
| 35°   | 486.9 | 446.8 | 408.8 | 373.3 | 342.4 | 311.4 | 283.7 | 260.5 | 237.8 | 217.3 | 200.8 |
| 37.5° | 499.9 | 449.4 | 403.8 | 363.1 | 327.2 | 293.2 | 263.2 | 238.6 | 214.1 | 193.3 | 175.2 |
| 40°   | 510.0 | 448.1 | 394.4 | 347.4 | 306.4 | 271.1 | 241.7 | 216.0 | 191.5 | 170.7 | 151.7 |
| 42.5° | 516.8 | 443.1 | 380.2 | 329.5 | 289.1 | 252.1 | 223.4 | 196.3 | 171.9 | 150.1 | 129.1 |
| 45°   | 525.5 | 441.2 | 371.5 | 316.2 | 273.4 | 236.1 | 205.4 | 179.0 | 153.5 | 130.8 | 110.8 |
| 47.5° | 533.8 | 440.0 | 364.4 | 305.1 | 259.2 | 221.6 | 191.2 | 163.5 | 137.9 | 115.6 | 97.4  |
| 50°   | 538.7 | 438.2 | 357.0 | 291.7 | 243.4 | 206.7 | 177.7 | 149.6 | 123.8 | 102.5 | 86.3  |
| 52.5° | 540.2 | 434.6 | 347.2 | 276.6 | 229.7 | 194.0 | 163.8 | 135.7 | 111.0 | 91.8  | 76.8  |
| 55°   | 539.1 | 427.5 | 334.0 | 264.2 | 215.6 | 180.0 | 149.8 | 122.5 | 100.1 | 82.1  | 70.0  |
| 57.5° | 533.5 | 413.3 | 317.0 | 248.5 | 199.6 | 162.3 | 132.6 | 107.6 | 87.7  | 73.3  | 64.1  |
| 60°   | 520.9 | 392.8 | 296.2 | 226.5 | 176.7 | 141.3 | 113.3 | 91.8  | 75.0  | 64.6  | 58.4  |
| 62.5° | 493.5 | 363.2 | 266.0 | 195.5 | 146.0 | 113.4 | 89.0  | 73.1  | 61.7  | 56.3  | 52.7  |
| 63°   | 485.4 | 353.0 | 257.1 | 187.2 | 140.7 | 107.2 | 83.5  | 69.2  | 58.9  | 54.5  | 51.5  |
| 65°   | 442.8 | 305.8 | 217.3 | 150.6 | 109.0 | 81.2  | 63.7  | 54.3  | 48.9  | 47.2  | 46.4  |
| 67.5° | 362.9 | 237.9 | 152.9 | 101.0 | 73.1  | 56.1  | 47.1  | 43.4  | 41.4  | 41.3  | 41.8  |
| 70°   | 256.4 | 157.8 | 94.6  | 64.7  | 50.4  | 42.4  | 39.0  | 37.3  | 36.3  | 36.7  | 37.6  |
| 72.5° | 166.8 | 92.6  | 59.8  | 47.4  | 40.9  | 37.3  | 34.8  | 34.3  | 34.0  | 33.7  | 34.0  |
| 75°   | 88.2  | 58.0  | 45.2  | 39.6  | 35.8  | 32.9  | 31.2  | 30.5  | 30.7  | 30.7  | 30.7  |
| 77.5° | 54.6  | 44.1  | 38.6  | 35.0  | 32.0  | 29.1  | 27.4  | 26.9  | 27.1  | 27.4  | 27.6  |
| 80°   | 41.9  | 38.5  | 34.0  | 31.4  | 27.1  | 24.6  | 23.8  | 23.6  | 23.9  | 23.9  | 24.4  |
| 82.5° | 30.7  | 29.7  | 28.1  | 24.8  | 21.5  | 19.8  | 19.6  | 20.3  | 19.6  | 19.5  | 19.8  |
| 85°   | 18.0  | 16.8  | 18.3  | 15.7  | 14.4  | 13.4  | 14.0  | 15.4  | 16.0  | 15.2  | 14.9  |
| 87.5° | 5.8   | 4.0   | 5.8   | 6.4   | 5.8   | 5.0   | 6.3   | 7.4   | 7.6   | 7.3   | 8.3   |
| 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°    | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 |
| 2.5°  | 276.4 | 277.5 | 276.4 | 276.9 | 276.7 | 276.4 | 276.9 | 276.2 | 275.9 | 276.9 | 276.7 |
| 5°    | 286.8 | 287.0 | 285.5 | 285.6 | 285.5 | 284.1 | 284.1 | 283.5 | 282.7 | 282.8 | 282.5 |
| 7.5°  | 295.2 | 294.9 | 293.7 | 293.2 | 291.7 | 290.7 | 290.1 | 289.1 | 288.4 | 287.8 | 287.4 |
| 10°   | 301.6 | 300.8 | 300.0 | 298.5 | 297.0 | 296.2 | 294.4 | 292.9 | 292.4 | 291.4 | 290.7 |
| 12.5° | 307.3 | 305.8 | 304.5 | 302.6 | 300.8 | 299.5 | 297.4 | 296.2 | 295.4 | 294.1 | 293.1 |
| 15°   | 310.4 | 307.6 | 305.1 | 302.3 | 300.3 | 298.3 | 295.9 | 295.4 | 294.2 | 292.9 | 291.1 |
| 17.5° | 306.6 | 302.6 | 298.0 | 295.0 | 292.1 | 289.1 | 286.6 | 286.6 | 286.1 | 284.6 | 281.5 |
| 20°   | 298.8 | 292.9 | 287.4 | 282.7 | 279.7 | 275.4 | 273.9 | 271.6 | 269.9 | 267.3 | 263.3 |
| 22.5° | 286.1 | 279.9 | 272.8 | 268.0 | 262.8 | 258.1 | 255.1 | 251.5 | 250.1 | 245.8 | 240.6 |
| 25°   | 271.9 | 262.8 | 255.3 | 249.0 | 241.9 | 236.3 | 232.1 | 227.2 | 223.9 | 219.8 | 213.2 |
| 27.5° | 255.1 | 245.7 | 237.1 | 230.2 | 222.7 | 215.0 | 207.4 | 201.6 | 195.6 | 190.9 | 187.1 |
| 30°   | 236.9 | 227.2 | 216.6 | 208.5 | 199.9 | 190.2 | 183.9 | 176.2 | 171.5 | 166.3 | 161.3 |
| 32.5° | 213.2 | 204.6 | 192.2 | 182.8 | 172.2 | 164.6 | 159.5 | 152.1 | 146.6 | 142.2 | 139.3 |
| 35°   | 187.1 | 174.2 | 161.8 | 154.7 | 147.4 | 141.3 | 134.2 | 128.5 | 124.8 | 120.2 | 117.7 |
| 37.5° | 158.7 | 143.6 | 133.1 | 126.8 | 119.4 | 116.4 | 111.9 | 108.5 | 105.2 | 102.0 | 100.1 |
| 40°   | 133.2 | 119.4 | 109.8 | 104.5 | 99.6  | 96.3  | 93.4  | 92.0  | 89.8  | 87.3  | 85.9  |
| 42.5° | 112.1 | 101.0 | 91.6  | 86.7  | 82.9  | 82.6  | 80.7  | 79.6  | 78.8  | 77.3  | 75.0  |
| 45°   | 95.6  | 85.5  | 77.4  | 73.5  | 71.8  | 72.0  | 72.0  | 71.0  | 71.0  | 70.5  | 69.0  |
| 47.5° | 84.5  | 75.5  | 69.5  | 66.9  | 66.2  | 66.4  | 65.9  | 65.5  | 65.7  | 65.5  | 64.7  |
| 50°   | 75.9  | 68.2  | 63.2  | 62.2  | 62.1  | 61.9  | 61.3  | 60.8  | 60.6  | 60.9  | 60.8  |
| 52.5° | 67.2  | 60.8  | 58.0  | 57.6  | 57.8  | 57.8  | 57.6  | 57.5  | 57.8  | 58.1  | 57.6  |
| 55°   | 62.2  | 57.6  | 55.8  | 55.8  | 55.8  | 55.8  | 55.6  | 55.5  | 56.0  | 56.5  | 55.6  |
| 57.5° | 57.6  | 54.3  | 53.7  | 53.7  | 53.7  | 53.3  | 53.3  | 53.5  | 54.2  | 55.1  | 54.2  |
| 60°   | 54.2  | 52.5  | 52.5  | 52.7  | 52.5  | 51.8  | 51.3  | 51.3  | 52.2  | 53.5  | 52.7  |
| 62.5° | 50.9  | 50.0  | 50.4  | 50.2  | 49.9  | 49.0  | 48.4  | 48.4  | 49.4  | 50.7  | 51.0  |
| 63°   | 50.0  | 49.4  | 49.7  | 49.5  | 49.2  | 48.5  | 47.9  | 47.9  | 48.7  | 50.0  | 50.5  |
| 65°   | 46.4  | 46.6  | 46.7  | 46.9  | 46.7  | 46.6  | 45.7  | 45.4  | 46.1  | 47.1  | 47.7  |
| 67.5° | 42.1  | 42.4  | 42.8  | 43.6  | 43.3  | 43.3  | 42.8  | 42.4  | 42.6  | 43.1  | 43.6  |
| 70°   | 38.1  | 38.5  | 39.0  | 39.3  | 39.5  | 39.6  | 39.3  | 38.8  | 39.0  | 39.1  | 39.5  |
| 72.5° | 34.3  | 34.7  | 35.0  | 35.7  | 35.7  | 35.7  | 35.3  | 35.0  | 35.2  | 35.5  | 35.8  |
| 75°   | 30.9  | 31.0  | 31.4  | 31.9  | 32.0  | 31.7  | 31.7  | 31.4  | 31.5  | 32.0  | 32.4  |
| 77.5° | 27.4  | 27.1  | 27.2  | 27.6  | 28.1  | 28.1  | 28.2  | 28.1  | 28.4  | 28.7  | 29.1  |
| 80°   | 23.4  | 23.1  | 22.8  | 22.9  | 23.6  | 24.4  | 25.3  | 25.3  | 25.8  | 25.9  | 26.4  |
| 82.5° | 18.7  | 18.3  | 18.2  | 18.7  | 18.5  | 19.6  | 21.5  | 22.5  | 23.1  | 23.8  | 24.1  |
| 85°   | 14.5  | 13.7  | 14.0  | 14.0  | 13.7  | 15.5  | 17.2  | 18.5  | 18.7  | 19.6  | 19.8  |
| 87.5° | 8.6   | 8.3   | 7.9   | 7.6   | 8.8   | 10.6  | 12.1  | 12.5  | 12.9  | 13.4  | 13.9  |
| 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°    | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 |
| 2.5°  | 275.4 | 276.7 | 276.4 | 276.2 | 276.4 | 276.2 | 275.7 | 275.9 | 275.6 | 275.7 | 275.4 |
| 5°    | 280.7 | 281.3 | 280.8 | 280.0 | 280.0 | 278.9 | 278.0 | 277.4 | 276.6 | 276.2 | 275.6 |
| 7.5°  | 285.8 | 285.3 | 284.6 | 283.2 | 282.3 | 280.8 | 279.7 | 278.4 | 277.5 | 276.6 | 275.4 |
| 10°   | 288.9 | 287.9 | 286.6 | 284.8 | 282.5 | 281.2 | 279.5 | 277.5 | 276.6 | 276.1 | 274.9 |
| 12.5° | 290.4 | 287.8 | 285.6 | 282.3 | 279.0 | 276.6 | 274.7 | 272.8 | 272.3 | 271.6 | 270.8 |
| 15°   | 287.0 | 283.2 | 277.7 | 273.2 | 269.0 | 265.5 | 264.0 | 261.9 | 261.4 | 261.2 | 261.0 |
| 17.5° | 275.2 | 269.5 | 264.2 | 258.2 | 254.4 | 251.3 | 250.0 | 249.5 | 248.6 | 248.3 | 248.5 |
| 20°   | 256.4 | 251.5 | 246.2 | 244.2 | 239.7 | 238.9 | 236.9 | 235.6 | 234.1 | 233.6 | 232.8 |
| 22.5° | 234.4 | 228.3 | 225.0 | 223.6 | 221.7 | 217.4 | 216.5 | 215.1 | 213.2 | 211.7 | 211.3 |
| 25°   | 208.9 | 203.9 | 203.7 | 200.3 | 198.8 | 196.5 | 193.8 | 192.2 | 191.0 | 189.2 | 187.9 |
| 27.5° | 182.8 | 181.0 | 177.8 | 175.2 | 174.2 | 172.9 | 168.9 | 168.1 | 166.8 | 165.3 | 163.8 |
| 30°   | 158.5 | 157.2 | 154.2 | 151.7 | 150.2 | 147.6 | 143.8 | 144.1 | 141.5 | 139.5 | 138.2 |
| 32.5° | 134.9 | 133.9 | 131.1 | 130.4 | 125.6 | 124.3 | 120.4 | 117.4 | 114.7 | 112.8 | 111.1 |
| 35°   | 113.6 | 111.0 | 111.1 | 108.1 | 105.5 | 101.5 | 97.4  | 93.6  | 91.5  | 90.5  | 89.0  |
| 37.5° | 98.2  | 95.8  | 93.3  | 90.0  | 87.0  | 84.2  | 81.7  | 80.6  | 79.3  | 79.6  | 79.7  |
| 40°   | 84.4  | 82.6  | 80.7  | 78.4  | 76.6  | 75.5  | 74.8  | 74.8  | 75.0  | 75.8  | 76.4  |
| 42.5° | 74.5  | 73.0  | 72.0  | 71.2  | 71.5  | 71.5  | 72.0  | 72.8  | 73.6  | 74.8  | 75.5  |
| 45°   | 67.9  | 67.0  | 66.7  | 67.0  | 68.0  | 68.8  | 70.0  | 71.3  | 72.6  | 73.8  | 74.3  |
| 47.5° | 63.9  | 63.4  | 63.4  | 64.2  | 65.7  | 67.0  | 68.8  | 70.2  | 71.7  | 72.6  | 73.0  |
| 50°   | 59.6  | 59.4  | 59.4  | 60.1  | 61.4  | 63.1  | 64.9  | 66.2  | 67.5  | 68.4  | 68.7  |
| 52.5° | 57.1  | 56.6  | 56.5  | 57.3  | 58.4  | 60.1  | 61.9  | 63.2  | 64.2  | 64.9  | 65.1  |
| 55°   | 55.0  | 54.5  | 54.2  | 55.1  | 56.5  | 58.0  | 60.1  | 61.6  | 62.6  | 63.4  | 64.1  |
| 57.5° | 53.2  | 52.7  | 52.3  | 53.5  | 54.8  | 56.6  | 58.4  | 60.1  | 61.4  | 62.4  | 63.1  |
| 60°   | 51.7  | 51.0  | 50.7  | 52.0  | 53.3  | 55.1  | 57.0  | 58.8  | 60.6  | 61.7  | 62.1  |
| 62.5° | 49.9  | 49.4  | 48.9  | 49.7  | 50.4  | 51.7  | 53.3  | 55.1  | 56.8  | 58.0  | 58.0  |
| 63°   | 49.4  | 49.2  | 48.5  | 49.2  | 49.9  | 51.0  | 52.7  | 54.3  | 56.0  | 57.3  | 57.1  |
| 65°   | 47.2  | 47.2  | 46.9  | 47.6  | 48.2  | 49.4  | 50.7  | 52.5  | 54.0  | 55.0  | 55.1  |
| 67.5° | 43.8  | 43.9  | 44.2  | 44.9  | 46.2  | 47.4  | 48.9  | 50.5  | 51.8  | 52.5  | 52.8  |
| 70°   | 39.8  | 40.1  | 40.8  | 41.8  | 42.9  | 43.9  | 44.9  | 46.6  | 47.7  | 48.4  | 48.7  |
| 72.5° | 36.0  | 36.8  | 37.3  | 38.1  | 38.8  | 39.8  | 40.6  | 42.3  | 43.3  | 43.8  | 44.6  |
| 75°   | 32.5  | 33.2  | 33.5  | 34.0  | 34.7  | 35.0  | 36.0  | 36.7  | 38.0  | 38.6  | 39.6  |
| 77.5° | 29.2  | 29.6  | 30.0  | 30.9  | 31.0  | 31.5  | 31.9  | 32.9  | 33.5  | 34.2  | 35.0  |
| 80°   | 26.3  | 26.6  | 27.2  | 27.7  | 27.9  | 28.2  | 28.4  | 28.2  | 28.1  | 27.6  | 28.2  |
| 82.5° | 23.6  | 23.9  | 24.8  | 25.3  | 25.8  | 25.8  | 25.6  | 23.8  | 22.9  | 23.3  | 23.8  |
| 85°   | 19.5  | 19.8  | 20.6  | 21.6  | 21.8  | 21.6  | 21.8  | 20.0  | 18.8  | 18.3  | 18.8  |
| 87.5° | 12.2  | 11.9  | 14.7  | 16.0  | 15.0  | 15.4  | 15.5  | 14.5  | 13.5  | 11.6  | 12.1  |
| 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°    | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 0°    |
| 2.5°  | 275.7 | 274.6 | 274.7 | 275.1 | 275.1 | 275.6 | 274.9 | 274.1 | 274.6 | 273.7 | 273.6 | 2.5°  |
| 5°    | 275.6 | 274.1 | 274.1 | 274.4 | 274.1 | 274.4 | 273.9 | 273.1 | 273.6 | 272.6 | 272.4 | 5°    |
| 7.5°  | 274.9 | 274.1 | 274.4 | 274.7 | 274.2 | 274.4 | 274.2 | 273.1 | 273.2 | 272.8 | 271.6 | 7.5°  |
| 10°   | 274.6 | 274.1 | 274.7 | 275.7 | 275.7 | 275.9 | 275.4 | 274.1 | 273.2 | 272.8 | 271.8 | 10°   |
| 12.5° | 271.1 | 271.8 | 273.1 | 275.4 | 276.2 | 277.5 | 278.2 | 277.5 | 277.9 | 277.2 | 276.9 | 12.5° |
| 15°   | 261.2 | 262.8 | 265.0 | 268.5 | 270.9 | 273.9 | 277.5 | 279.2 | 282.3 | 284.8 | 286.5 | 15°   |
| 17.5° | 249.3 | 250.5 | 252.8 | 256.7 | 259.9 | 265.8 | 270.8 | 276.4 | 282.5 | 289.1 | 294.9 | 17.5° |
| 20°   | 234.6 | 233.8 | 237.4 | 241.7 | 247.2 | 253.8 | 261.0 | 269.5 | 279.5 | 290.1 | 300.2 | 20°   |
| 22.5° | 213.0 | 213.0 | 216.8 | 221.9 | 228.5 | 236.1 | 246.2 | 255.3 | 268.5 | 283.8 | 298.7 | 22.5° |
| 25°   | 188.2 | 188.7 | 191.4 | 197.1 | 201.8 | 212.7 | 222.1 | 233.8 | 249.6 | 266.5 | 286.3 | 25°   |
| 27.5° | 161.8 | 165.1 | 164.4 | 170.6 | 176.7 | 187.4 | 200.3 | 212.2 | 229.8 | 247.8 | 270.4 | 27.5° |
| 30°   | 137.9 | 137.4 | 137.2 | 144.5 | 150.6 | 160.3 | 170.9 | 185.9 | 203.7 | 226.9 | 252.9 | 30°   |
| 32.5° | 108.1 | 110.0 | 111.3 | 115.6 | 122.2 | 131.3 | 142.7 | 158.3 | 179.8 | 203.1 | 232.5 | 32.5° |
| 35°   | 89.3  | 89.8  | 91.6  | 94.1  | 99.9  | 107.5 | 119.4 | 133.2 | 152.1 | 176.2 | 207.4 | 35°   |
| 37.5° | 80.1  | 80.6  | 82.6  | 84.9  | 89.0  | 94.6  | 102.7 | 113.4 | 130.8 | 153.2 | 182.3 | 37.5° |
| 40°   | 77.1  | 77.6  | 78.8  | 80.9  | 84.7  | 89.5  | 95.9  | 104.2 | 116.7 | 134.2 | 159.7 | 40°   |
| 42.5° | 75.8  | 75.8  | 75.9  | 77.6  | 81.4  | 87.0  | 93.9  | 101.4 | 110.6 | 123.8 | 144.5 | 42.5° |
| 45°   | 74.3  | 74.3  | 74.1  | 75.3  | 78.3  | 84.7  | 93.1  | 102.2 | 112.3 | 123.7 | 139.8 | 45°   |
| 47.5° | 73.0  | 72.6  | 72.3  | 72.8  | 75.3  | 81.9  | 91.6  | 102.7 | 115.6 | 129.8 | 146.1 | 47.5° |
| 50°   | 68.4  | 68.4  | 68.2  | 68.4  | 70.7  | 77.6  | 88.8  | 102.2 | 118.5 | 136.9 | 156.7 | 50°   |
| 52.5° | 65.1  | 65.2  | 65.4  | 65.4  | 67.2  | 74.3  | 86.7  | 102.4 | 121.8 | 143.8 | 168.9 | 52.5° |
| 55°   | 64.2  | 64.6  | 64.6  | 64.2  | 65.7  | 72.2  | 84.7  | 101.9 | 124.2 | 151.6 | 181.9 | 55°   |
| 57.5° | 63.2  | 63.4  | 63.6  | 63.2  | 64.2  | 69.8  | 81.9  | 99.6  | 123.5 | 154.5 | 191.7 | 57.5° |
| 60°   | 61.9  | 61.3  | 61.1  | 60.6  | 61.3  | 65.7  | 76.9  | 94.6  | 119.5 | 153.2 | 195.0 | 60°   |
| 62.5° | 58.3  | 57.8  | 57.3  | 56.8  | 57.3  | 60.6  | 71.5  | 88.5  | 112.9 | 147.9 | 192.3 | 62.5° |
| 63°   | 57.5  | 57.1  | 56.6  | 56.1  | 56.1  | 59.8  | 69.7  | 87.0  | 111.3 | 146.4 | 191.4 | 63°   |
| 65°   | 55.1  | 55.0  | 54.6  | 54.2  | 54.0  | 56.8  | 65.5  | 80.2  | 103.5 | 139.8 | 185.1 | 65°   |
| 67.5° | 52.5  | 52.5  | 52.3  | 51.7  | 50.9  | 52.5  | 58.6  | 70.2  | 90.0  | 122.8 | 169.6 | 67.5° |
| 70°   | 48.7  | 48.7  | 48.5  | 48.2  | 47.2  | 48.4  | 52.3  | 59.9  | 74.1  | 100.4 | 142.2 | 70°   |
| 72.5° | 44.9  | 44.9  | 45.4  | 45.2  | 45.4  | 45.6  | 47.6  | 51.7  | 60.3  | 78.1  | 107.5 | 72.5° |
| 75°   | 40.0  | 40.8  | 40.9  | 41.3  | 41.4  | 41.3  | 42.3  | 44.7  | 49.7  | 59.9  | 78.4  | 75°   |
| 77.5° | 35.8  | 37.0  | 36.8  | 36.5  | 36.3  | 36.5  | 36.3  | 37.5  | 41.1  | 47.6  | 58.1  | 77.5° |
| 80°   | 29.6  | 30.7  | 30.7  | 30.5  | 30.2  | 30.5  | 30.2  | 31.4  | 34.3  | 40.0  | 46.2  | 80°   |
| 82.5° | 24.3  | 25.1  | 25.6  | 25.9  | 25.6  | 26.9  | 26.9  | 26.6  | 28.9  | 33.8  | 39.0  | 82.5° |
| 85°   | 19.5  | 20.3  | 20.8  | 21.5  | 21.8  | 21.5  | 21.3  | 21.0  | 22.3  | 26.3  | 29.7  | 85°   |
| 87.5° | 12.4  | 13.0  | 13.0  | 13.2  | 13.2  | 13.7  | 12.7  | 11.6  | 10.6  | 15.0  | 15.7  | 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°   |



NUMBER: P145725

NUMBER: LDRL-SLL-F01-E

**DISTRIBUTION (continued):**

| 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°  |
|-------|-------|-------|-------|-------|-------|-------|
| 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 |
| 273.1 | 273.1 | 273.2 | 272.8 | 273.2 | 273.2 | 272.8 |
| 271.9 | 271.6 | 271.6 | 271.4 | 271.8 | 271.6 | 271.4 |
| 270.9 | 270.9 | 270.3 | 269.8 | 269.6 | 270.3 | 269.9 |
| 270.6 | 270.3 | 270.1 | 269.8 | 269.9 | 270.4 | 270.8 |
| 276.6 | 275.4 | 275.7 | 275.6 | 275.7 | 276.2 | 277.2 |
| 287.4 | 287.4 | 288.3 | 286.5 | 287.3 | 288.1 | 289.4 |
| 299.7 | 302.6 | 304.1 | 304.0 | 304.3 | 304.9 | 306.4 |
| 310.1 | 319.5 | 326.1 | 327.7 | 332.2 | 333.2 | 330.9 |
| 314.7 | 331.5 | 346.4 | 356.3 | 367.4 | 371.8 | 373.1 |
| 305.3 | 329.5 | 354.0 | 376.8 | 398.6 | 411.1 | 422.2 |
| 295.5 | 324.3 | 356.8 | 390.8 | 426.3 | 458.3 | 482.3 |
| 282.0 | 320.0 | 363.9 | 409.8 | 456.8 | 501.4 | 541.4 |
| 267.1 | 313.0 | 364.6 | 420.4 | 478.5 | 533.9 | 582.3 |
| 245.8 | 296.9 | 354.0 | 418.7 | 486.1 | 555.6 | 616.0 |
| 221.4 | 271.1 | 335.2 | 409.1 | 485.6 | 566.6 | 639.1 |
| 195.3 | 246.2 | 313.5 | 392.8 | 479.1 | 570.1 | 655.3 |
| 175.7 | 226.0 | 292.1 | 377.3 | 469.6 | 567.8 | 663.1 |
| 165.6 | 208.7 | 274.6 | 362.1 | 458.8 | 562.2 | 666.4 |
| 167.6 | 204.1 | 264.2 | 349.5 | 449.3 | 556.1 | 665.5 |
| 178.6 | 211.0 | 264.0 | 344.9 | 443.1 | 550.5 | 663.2 |
| 195.3 | 226.7 | 273.6 | 350.4 | 446.4 | 550.0 | 663.1 |
| 214.1 | 248.6 | 296.7 | 365.0 | 460.5 | 558.9 | 667.0 |
| 232.3 | 275.4 | 326.4 | 397.9 | 487.1 | 581.2 | 683.0 |
| 243.0 | 299.8 | 364.6 | 444.3 | 528.0 | 620.3 | 718.2 |
| 245.5 | 314.5 | 398.4 | 489.9 | 584.1 | 676.9 | 773.0 |
| 245.3 | 316.0 | 404.2 | 499.3 | 595.5 | 690.0 | 787.1 |
| 241.5 | 319.0 | 419.7 | 530.3 | 641.3 | 745.9 | 845.7 |
| 229.7 | 313.7 | 428.3 | 559.2 | 686.7 | 807.7 | 933.8 |
| 202.4 | 289.6 | 418.2 | 568.6 | 713.7 | 848.6 | 992.6 |
| 158.5 | 238.9 | 361.1 | 519.8 | 677.1 | 812.0 | 994.1 |
| 111.4 | 168.9 | 277.9 | 426.8 | 553.4 | 686.2 | 887.9 |
| 77.6  | 109.5 | 180.5 | 287.1 | 399.4 | 500.6 | 660.1 |
| 56.8  | 72.8  | 108.1 | 171.7 | 242.4 | 312.9 | 409.6 |
| 43.8  | 52.5  | 69.2  | 103.7 | 136.9 | 175.2 | 247.0 |
| 30.7  | 34.7  | 42.8  | 64.1  | 91.8  | 125.3 | 181.0 |
| 13.4  | 15.7  | 20.6  | 37.8  | 62.1  | 59.8  | 57.0  |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)