

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: STREETWORKS

Report Number: P145092

Luminaire Tested: **RDG-E02-LED-E-U-SL2-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P145092  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33701)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: RDG-E02-LED-E-U-SL2-7060  
Description: RIDGEVIEW LED AREA ROADWAY LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL  
Light Source: (42) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6008.8 lumens  
Efficiency: N/A  
Efficacy: 115.3 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G2

Input Watts (W): 52.1  
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: 28.75 FT



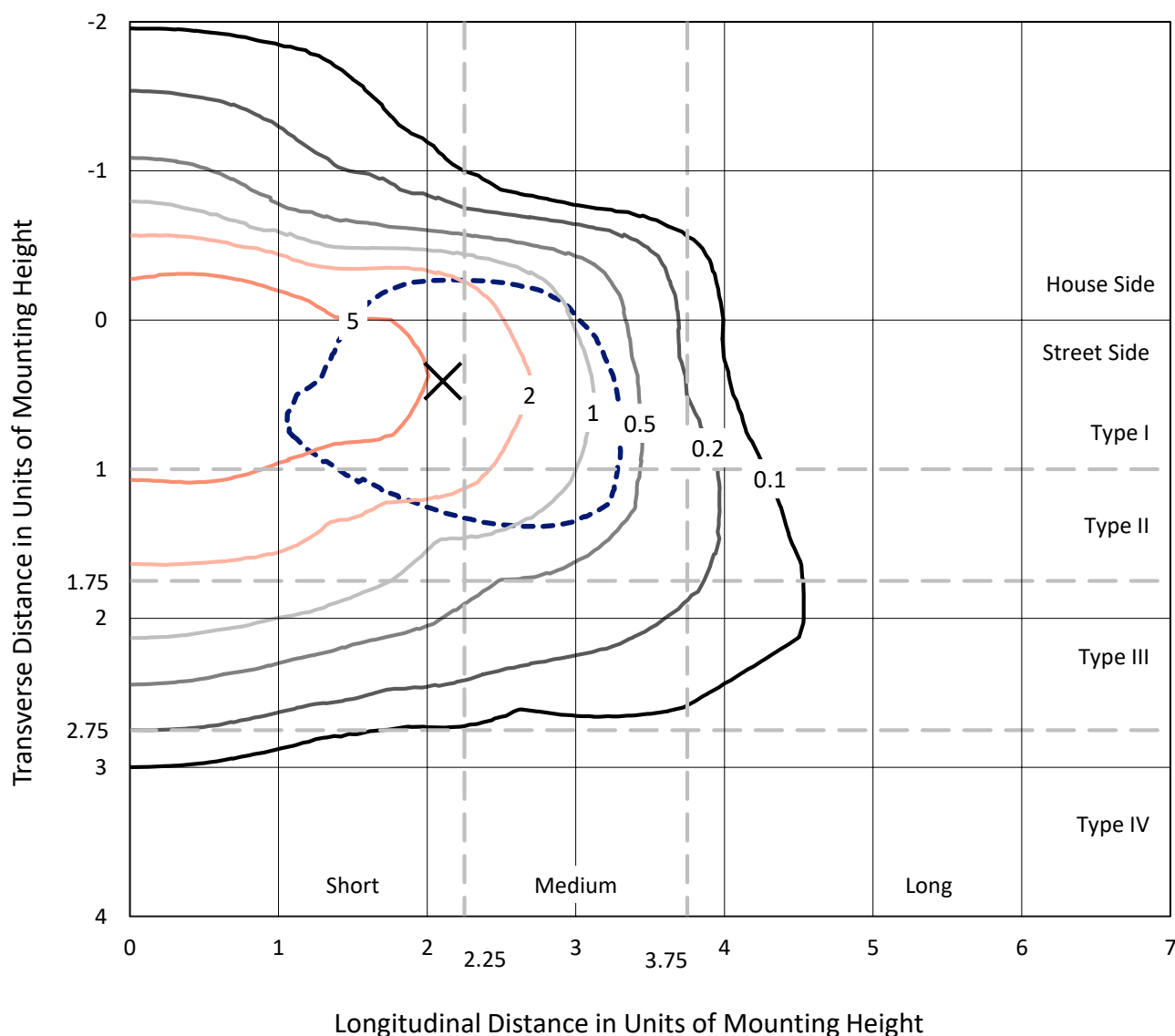
REPORT NUMBER: P145092

CATALOG NUMBER: RDG-E02-LED-E-U-SL2-7060

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

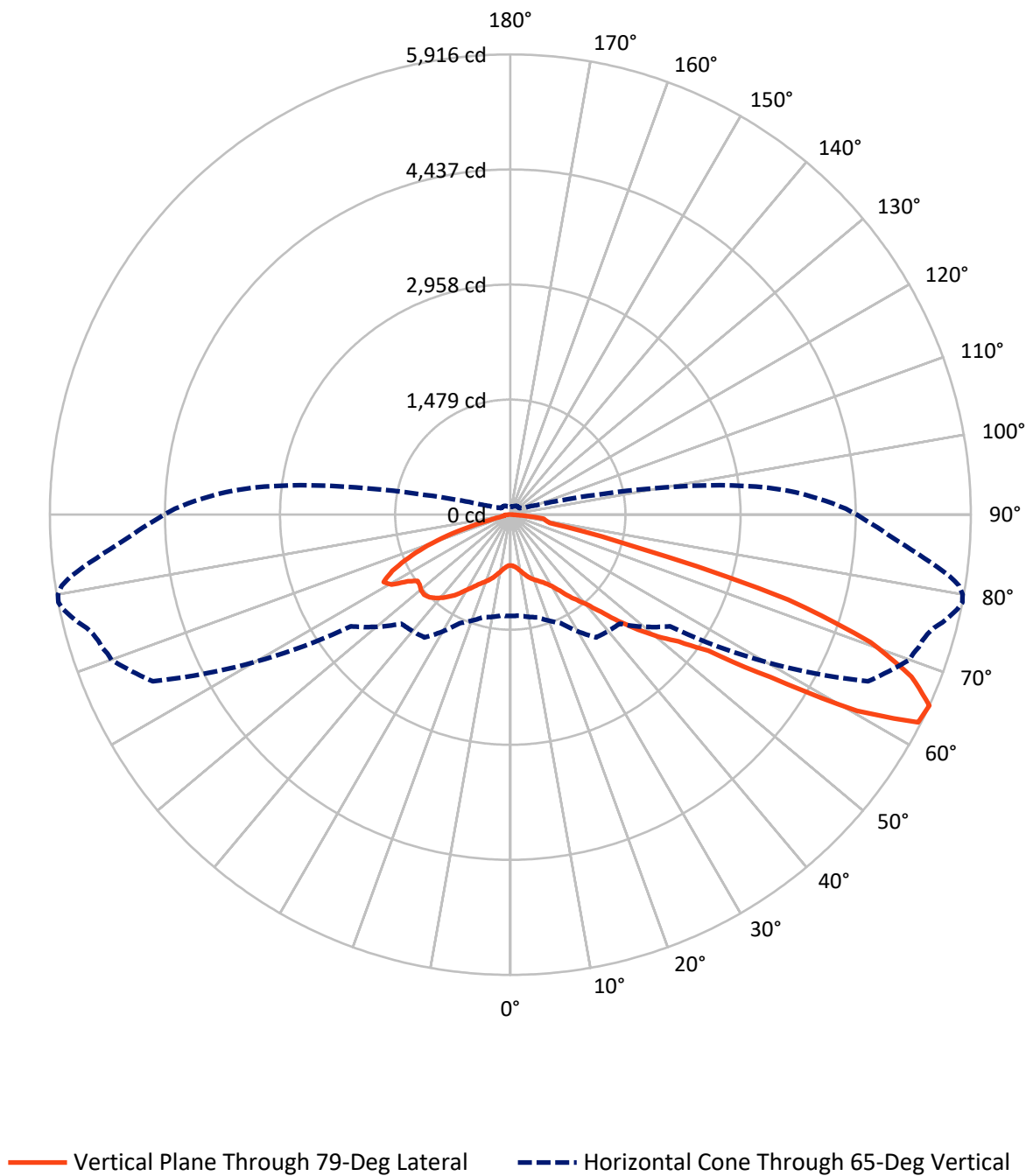


Based on 10 foot mounting height. Maximum calculated value = 8.4 fc  
 Type II - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1363.9   | 0.0    | 1363.9 |
|                    | % Fixture | 22.7     | 0.0    | 22.7   |
| <b>Street Side</b> | Lumens    | 4644.9   | 0.0    | 4644.9 |
|                    | % Fixture | 77.3     | 0.0    | 77.3   |
| <b>Total</b>       | Lumens    | 6008.8   | 0.0    | 6008.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 64.8   | 1.1       |
| 10°-20°   | 211.0  | 3.5       |
| 20°-30°   | 363.8  | 6.1       |
| 30°-40°   | 593.2  | 9.9       |
| 40°-50°   | 990.3  | 16.5      |
| 50°-60°   | 1339.1 | 22.3      |
| 60°-70°   | 1663.5 | 27.7      |
| 70°-80°   | 666.1  | 11.1      |
| 80°-90°   | 117.0  | 1.9       |
| 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°    | 6008.8 | 100.0     |
| 0°-180°   | 6008.8 | 100.0     |

**Coefficient of Utilization**



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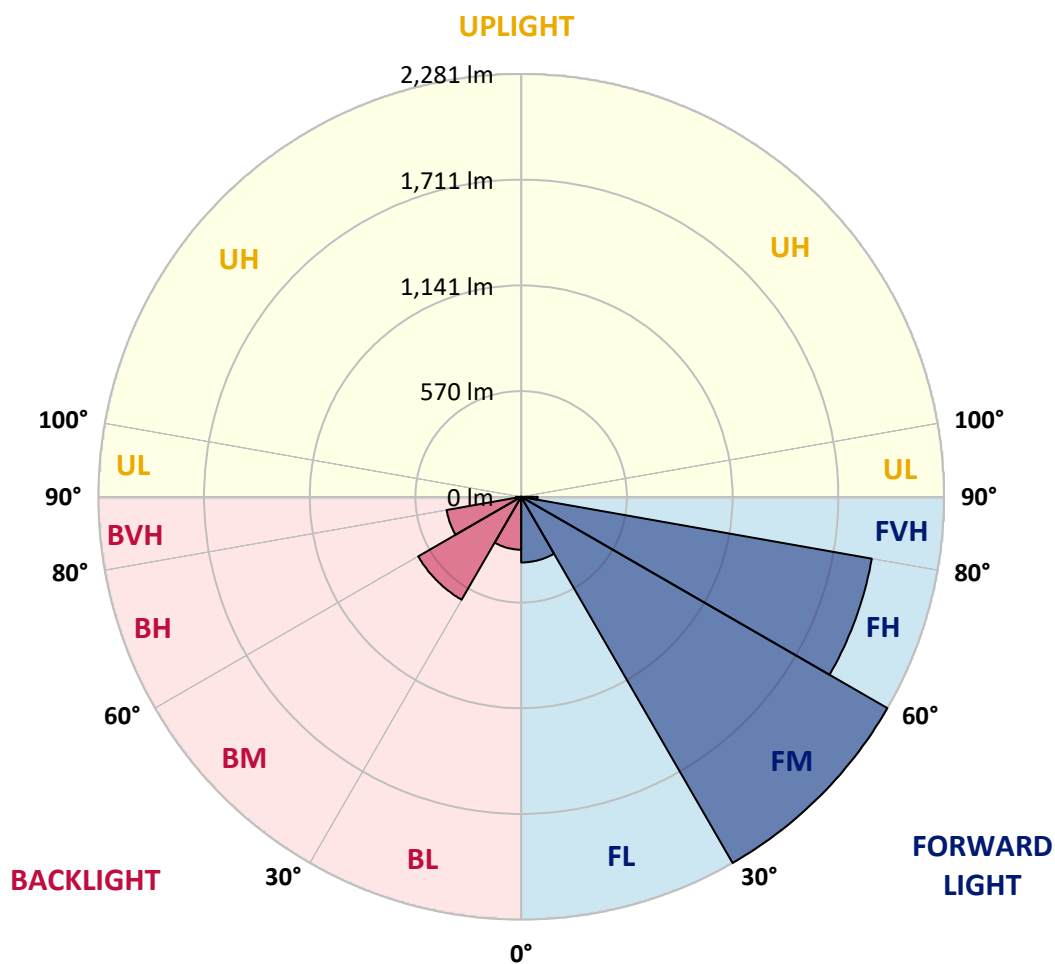
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 354.3  | 5.9       |                         |      |         |
| FM   | (30°-60°)   | 2281.0 | 38.0      |                         |      |         |
| FH   | (60°-80°)   | 1920.8 | 32.0      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 88.8   | 1.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 285.3  | 4.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 641.5  | 10.7      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 408.9  | 6.8       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 28.3   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

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

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 70°    | 71°    | 72°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  |
| 2.5°  | 657.9  | 657.5  | 659.6  | 661.2  | 661.2  | 662.0  | 661.6  | 659.2  | 659.6  | 660.4  | 659.6  |
| 5°    | 665.3  | 663.7  | 665.7  | 668.2  | 669.8  | 671.9  | 673.9  | 674.4  | 676.0  | 676.0  | 675.6  |
| 7.5°  | 681.3  | 680.1  | 683.0  | 683.8  | 687.5  | 690.8  | 694.9  | 697.8  | 699.4  | 700.2  | 701.4  |
| 10°   | 708.8  | 708.0  | 708.8  | 710.5  | 712.1  | 715.8  | 722.8  | 728.9  | 732.6  | 732.6  | 734.3  |
| 12.5° | 742.1  | 738.8  | 739.6  | 736.3  | 737.2  | 745.0  | 753.2  | 763.4  | 769.6  | 770.4  | 771.2  |
| 15°   | 767.9  | 766.3  | 765.1  | 760.5  | 763.8  | 774.1  | 786.8  | 801.6  | 806.9  | 811.4  | 811.0  |
| 17.5° | 792.2  | 790.1  | 787.2  | 781.1  | 784.4  | 800.8  | 820.1  | 836.5  | 845.5  | 846.3  | 847.2  |
| 20°   | 820.9  | 818.4  | 813.1  | 800.4  | 799.5  | 822.5  | 848.4  | 866.0  | 874.2  | 877.9  | 879.2  |
| 22.5° | 857.4  | 854.1  | 844.3  | 819.7  | 813.1  | 840.2  | 871.0  | 892.7  | 901.3  | 905.0  | 907.1  |
| 25°   | 904.2  | 897.6  | 882.0  | 843.5  | 829.9  | 858.2  | 895.2  | 921.4  | 933.3  | 937.0  | 939.5  |
| 27.5° | 946.5  | 941.6  | 922.7  | 877.1  | 853.7  | 882.5  | 924.7  | 958.4  | 974.8  | 979.3  | 983.0  |
| 30°   | 995.7  | 988.8  | 973.6  | 925.1  | 893.9  | 919.4  | 973.2  | 1015.8 | 1036.0 | 1036.4 | 1044.6 |
| 32.5° | 1111.5 | 1107.0 | 1093.0 | 1039.7 | 987.1  | 988.8  | 1038.8 | 1097.5 | 1117.6 | 1120.9 | 1128.3 |
| 35°   | 1283.0 | 1281.4 | 1281.0 | 1251.4 | 1212.4 | 1172.2 | 1175.9 | 1220.7 | 1234.2 | 1239.5 | 1242.0 |
| 37.5° | 1395.9 | 1410.3 | 1445.2 | 1466.5 | 1456.7 | 1465.3 | 1420.1 | 1365.5 | 1357.7 | 1352.0 | 1354.5 |
| 40°   | 1493.2 | 1505.9 | 1576.5 | 1675.0 | 1734.9 | 1777.2 | 1737.4 | 1569.9 | 1507.6 | 1489.5 | 1482.5 |
| 42.5° | 1550.7 | 1565.0 | 1666.0 | 1823.6 | 1976.3 | 2076.4 | 2087.1 | 1854.4 | 1695.9 | 1693.9 | 1667.6 |
| 45°   | 1581.8 | 1596.2 | 1716.9 | 1929.1 | 2145.0 | 2325.6 | 2419.1 | 2204.5 | 1971.8 | 1954.5 | 1918.0 |
| 47.5° | 1575.7 | 1589.2 | 1714.8 | 1968.1 | 2244.7 | 2491.0 | 2678.1 | 2558.3 | 2289.9 | 2248.4 | 2197.9 |
| 50°   | 1500.6 | 1510.4 | 1642.2 | 1904.5 | 2218.0 | 2559.9 | 2855.4 | 2882.9 | 2649.8 | 2593.6 | 2518.1 |
| 52.5° | 1423.0 | 1440.7 | 1549.8 | 1791.6 | 2096.9 | 2517.2 | 2961.3 | 3178.5 | 2986.0 | 2947.4 | 2850.5 |
| 55°   | 1381.1 | 1395.1 | 1484.2 | 1690.6 | 1969.3 | 2371.5 | 3005.3 | 3457.2 | 3394.4 | 3378.8 | 3310.2 |
| 57.5° | 1379.5 | 1393.0 | 1464.0 | 1629.5 | 1865.5 | 2219.7 | 3018.0 | 3887.7 | 4072.0 | 4076.1 | 4056.4 |
| 60°   | 1446.8 | 1460.8 | 1520.3 | 1659.0 | 1833.4 | 2089.6 | 2972.4 | 4498.4 | 4905.6 | 4941.7 | 5002.1 |
| 62.5° | 1456.2 | 1462.8 | 1534.6 | 1721.8 | 1950.0 | 1992.3 | 2784.9 | 5007.0 | 5478.6 | 5511.8 | 5545.1 |
| 65°   | 1302.7 | 1302.3 | 1366.0 | 1538.3 | 1925.8 | 1982.4 | 2502.9 | 5069.4 | 5455.6 | 5475.7 | 5517.2 |
| 67.5° | 971.5  | 963.3  | 999.4  | 1157.0 | 1528.1 | 1984.9 | 2168.8 | 4598.6 | 5030.4 | 5068.6 | 5082.5 |
| 70°   | 500.7  | 513.5  | 538.1  | 634.5  | 970.3  | 1597.9 | 1863.0 | 3879.9 | 4415.9 | 4430.3 | 4480.0 |
| 72.5° | 205.6  | 200.3  | 217.1  | 266.8  | 485.6  | 1056.1 | 1541.2 | 3061.9 | 3647.2 | 3637.3 | 3646.4 |
| 75°   | 114.5  | 116.2  | 121.1  | 139.1  | 236.0  | 530.3  | 1324.1 | 2167.5 | 2480.3 | 2310.4 | 2259.1 |
| 77.5° | 91.9   | 92.8   | 93.2   | 96.5   | 128.9  | 282.8  | 1016.3 | 1427.5 | 1247.3 | 1158.3 | 1124.2 |
| 80°   | 67.3   | 71.8   | 76.8   | 77.6   | 88.7   | 160.5  | 557.4  | 1201.8 | 1052.8 | 978.9  | 918.2  |
| 82.5° | 54.2   | 56.2   | 66.9   | 68.5   | 70.6   | 95.6   | 252.4  | 1128.7 | 1048.7 | 973.2  | 889.4  |
| 85°   | 32.4   | 36.1   | 54.6   | 55.0   | 55.8   | 58.3   | 139.6  | 459.7  | 571.7  | 505.3  | 462.6  |
| 87.5° | 11.5   | 14.8   | 27.1   | 22.6   | 28.7   | 23.8   | 61.2   | 153.9  | 189.6  | 180.2  | 159.7  |
| 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):**

|       | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    | 83°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  |
| 2.5°  | 659.2  | 659.2  | 660.0  | 659.6  | 659.6  | 659.6  | 659.6  | 658.8  | 658.8  | 657.5  | 658.3  |
| 5°    | 675.6  | 675.2  | 675.6  | 676.0  | 675.6  | 676.4  | 676.0  | 675.6  | 676.0  | 675.6  | 676.0  |
| 7.5°  | 701.9  | 699.8  | 702.7  | 701.0  | 700.6  | 703.1  | 701.9  | 703.1  | 703.5  | 703.1  | 702.7  |
| 10°   | 735.1  | 736.3  | 736.3  | 736.3  | 735.5  | 738.0  | 738.4  | 739.2  | 739.6  | 741.3  | 741.3  |
| 12.5° | 773.3  | 773.7  | 775.3  | 774.9  | 775.7  | 778.6  | 780.7  | 781.1  | 781.5  | 782.7  | 781.1  |
| 15°   | 814.3  | 815.1  | 815.1  | 818.8  | 817.6  | 821.7  | 822.9  | 822.9  | 823.3  | 828.3  | 828.7  |
| 17.5° | 850.8  | 850.8  | 854.1  | 854.1  | 857.4  | 858.2  | 861.9  | 862.3  | 864.0  | 868.5  | 868.9  |
| 20°   | 881.6  | 883.3  | 885.3  | 887.8  | 889.0  | 891.5  | 893.9  | 896.4  | 898.5  | 902.2  | 902.6  |
| 22.5° | 910.8  | 912.4  | 915.7  | 917.3  | 920.2  | 921.9  | 923.9  | 926.8  | 930.1  | 935.0  | 936.2  |
| 25°   | 944.4  | 946.1  | 949.8  | 952.2  | 955.5  | 958.0  | 961.7  | 965.4  | 967.4  | 972.3  | 976.0  |
| 27.5° | 987.1  | 992.0  | 997.0  | 998.2  | 1000.7 | 1006.4 | 1011.3 | 1016.3 | 1020.8 | 1023.2 | 1027.7 |
| 30°   | 1049.5 | 1049.5 | 1059.8 | 1059.8 | 1064.3 | 1069.6 | 1072.9 | 1078.2 | 1086.4 | 1088.9 | 1094.6 |
| 32.5° | 1133.2 | 1135.3 | 1139.0 | 1150.1 | 1158.3 | 1160.7 | 1163.2 | 1171.0 | 1175.9 | 1182.1 | 1189.1 |
| 35°   | 1252.7 | 1254.7 | 1256.8 | 1267.4 | 1276.9 | 1279.3 | 1281.8 | 1286.7 | 1294.9 | 1305.6 | 1302.3 |
| 37.5° | 1359.8 | 1361.0 | 1367.6 | 1379.5 | 1384.8 | 1391.4 | 1393.5 | 1402.5 | 1407.0 | 1416.8 | 1417.3 |
| 40°   | 1488.7 | 1485.8 | 1489.5 | 1503.0 | 1511.2 | 1510.8 | 1517.4 | 1533.8 | 1537.1 | 1541.6 | 1553.1 |
| 42.5° | 1668.4 | 1657.8 | 1669.3 | 1673.8 | 1686.1 | 1693.9 | 1707.0 | 1718.1 | 1725.9 | 1743.1 | 1751.4 |
| 45°   | 1900.8 | 1889.7 | 1899.1 | 1901.2 | 1926.6 | 1934.4 | 1954.1 | 1968.9 | 1985.7 | 2005.4 | 2011.2 |
| 47.5° | 2165.5 | 2145.0 | 2133.5 | 2146.2 | 2176.6 | 2189.3 | 2208.6 | 2222.5 | 2240.2 | 2250.5 | 2247.2 |
| 50°   | 2472.1 | 2422.8 | 2399.9 | 2393.3 | 2415.0 | 2433.1 | 2463.1 | 2469.6 | 2477.8 | 2477.4 | 2477.8 |
| 52.5° | 2814.0 | 2762.7 | 2714.7 | 2681.4 | 2678.1 | 2702.4 | 2709.7 | 2711.4 | 2708.9 | 2690.4 | 2679.0 |
| 55°   | 3260.6 | 3256.9 | 3206.4 | 3137.4 | 3132.9 | 3130.0 | 3086.9 | 3081.6 | 3071.7 | 3043.4 | 3004.4 |
| 57.5° | 4070.8 | 4111.8 | 4078.6 | 4076.9 | 4040.8 | 4017.0 | 3937.8 | 3898.4 | 3856.9 | 3780.2 | 3719.0 |
| 60°   | 5007.4 | 5066.9 | 5099.7 | 5114.1 | 5184.7 | 5184.7 | 5119.9 | 5064.0 | 4996.7 | 4879.7 | 4765.6 |
| 62.5° | 5571.3 | 5623.5 | 5671.9 | 5747.8 | 5837.7 | 5877.5 | 5880.8 | 5831.2 | 5746.2 | 5612.8 | 5451.5 |
| 65°   | 5535.6 | 5574.2 | 5632.9 | 5722.4 | 5796.7 | 5868.1 | 5916.1 | 5900.9 | 5836.1 | 5702.7 | 5527.0 |
| 67.5° | 5131.3 | 5187.6 | 5263.5 | 5346.0 | 5415.0 | 5482.3 | 5559.8 | 5565.6 | 5548.4 | 5421.5 | 5262.7 |
| 70°   | 4507.5 | 4579.7 | 4627.7 | 4731.6 | 4762.8 | 4830.9 | 4908.9 | 4946.2 | 4918.3 | 4820.6 | 4727.5 |
| 72.5° | 3662.0 | 3719.0 | 3727.2 | 3682.1 | 3697.7 | 3714.5 | 3733.4 | 3646.0 | 3612.3 | 3481.8 | 3421.9 |
| 75°   | 2220.5 | 2145.4 | 2082.2 | 2019.4 | 1831.8 | 1765.3 | 1663.1 | 1461.6 | 1438.6 | 1300.3 | 1204.2 |
| 77.5° | 1056.1 | 1024.5 | 967.4  | 871.8  | 744.5  | 622.6  | 516.7  | 419.9  | 383.8  | 316.0  | 269.3  |
| 80°   | 884.1  | 846.3  | 795.0  | 724.0  | 635.0  | 546.3  | 462.6  | 390.7  | 318.5  | 259.4  | 207.3  |
| 82.5° | 811.0  | 745.4  | 673.1  | 612.0  | 549.2  | 488.8  | 432.6  | 367.8  | 329.6  | 266.0  | 217.1  |
| 85°   | 410.0  | 359.1  | 291.0  | 245.0  | 206.9  | 168.3  | 145.7  | 124.4  | 110.8  | 88.2   | 76.8   |
| 87.5° | 137.5  | 112.5  | 83.7   | 71.0   | 64.0   | 55.0   | 50.5   | 48.0   | 46.8   | 41.5   | 36.9   |
| 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):**

|       | 84°    | 85°    | 86°    | 87°    | 88°    | 89°    | 90°    | 91°    | 92°    | 93°    | 94°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  |
| 2.5°  | 658.3  | 658.3  | 658.3  | 658.3  | 657.9  | 657.9  | 657.9  | 657.9  | 657.9  | 657.9  | 658.3  |
| 5°    | 675.2  | 675.2  | 675.6  | 676.8  | 674.4  | 675.2  | 676.0  | 674.8  | 676.0  | 674.8  | 676.4  |
| 7.5°  | 702.3  | 703.5  | 702.7  | 704.3  | 703.5  | 706.0  | 704.3  | 703.1  | 703.9  | 703.9  | 704.3  |
| 10°   | 740.4  | 742.1  | 740.8  | 741.7  | 741.7  | 743.3  | 741.3  | 741.7  | 742.1  | 741.3  | 741.7  |
| 12.5° | 782.7  | 783.5  | 783.1  | 785.6  | 784.4  | 785.6  | 784.4  | 786.0  | 786.8  | 787.6  | 787.6  |
| 15°   | 828.7  | 829.5  | 832.0  | 831.6  | 834.0  | 833.2  | 833.6  | 831.6  | 835.7  | 833.2  | 834.0  |
| 17.5° | 871.0  | 870.5  | 873.8  | 875.1  | 875.5  | 875.9  | 877.1  | 875.5  | 875.9  | 877.1  | 876.3  |
| 20°   | 903.8  | 906.7  | 907.5  | 910.8  | 913.2  | 914.1  | 913.6  | 914.9  | 916.5  | 914.9  | 914.9  |
| 22.5° | 938.7  | 942.8  | 944.0  | 946.1  | 948.5  | 948.9  | 951.4  | 952.6  | 953.5  | 953.0  | 953.5  |
| 25°   | 980.5  | 983.4  | 986.3  | 990.4  | 993.3  | 993.7  | 995.7  | 997.4  | 997.8  | 997.4  | 999.8  |
| 27.5° | 1031.9 | 1035.5 | 1039.2 | 1044.2 | 1047.4 | 1048.3 | 1052.8 | 1052.8 | 1055.2 | 1056.5 | 1057.3 |
| 30°   | 1097.9 | 1099.2 | 1108.6 | 1113.5 | 1112.3 | 1118.0 | 1124.2 | 1123.8 | 1126.7 | 1127.5 | 1129.5 |
| 32.5° | 1194.0 | 1194.0 | 1202.2 | 1208.3 | 1214.9 | 1212.9 | 1222.3 | 1220.7 | 1225.2 | 1227.6 | 1226.4 |
| 35°   | 1310.5 | 1314.6 | 1320.8 | 1324.5 | 1331.5 | 1335.2 | 1341.7 | 1345.4 | 1347.5 | 1347.1 | 1342.6 |
| 37.5° | 1430.8 | 1437.4 | 1439.8 | 1448.9 | 1455.8 | 1462.0 | 1462.8 | 1458.7 | 1460.4 | 1452.1 | 1449.7 |
| 40°   | 1568.3 | 1577.7 | 1583.5 | 1597.0 | 1596.2 | 1604.0 | 1604.8 | 1592.9 | 1590.9 | 1580.2 | 1569.1 |
| 42.5° | 1760.4 | 1773.5 | 1778.0 | 1788.3 | 1780.1 | 1783.8 | 1763.3 | 1758.3 | 1741.9 | 1724.7 | 1699.6 |
| 45°   | 2019.4 | 2012.8 | 2015.7 | 2012.8 | 1991.1 | 1975.0 | 1958.2 | 1934.0 | 1909.8 | 1876.5 | 1840.8 |
| 47.5° | 2247.2 | 2250.5 | 2229.1 | 2215.6 | 2180.3 | 2157.7 | 2126.9 | 2084.6 | 2055.1 | 2010.3 | 1963.1 |
| 50°   | 2468.4 | 2431.9 | 2401.9 | 2370.7 | 2339.5 | 2298.1 | 2251.7 | 2214.3 | 2171.2 | 2115.4 | 2057.5 |
| 52.5° | 2648.2 | 2601.0 | 2564.9 | 2520.5 | 2478.2 | 2432.3 | 2383.8 | 2329.7 | 2273.0 | 2217.2 | 2145.8 |
| 55°   | 2966.7 | 2898.1 | 2851.8 | 2774.2 | 2726.2 | 2661.7 | 2624.0 | 2553.8 | 2475.0 | 2401.1 | 2325.2 |
| 57.5° | 3650.1 | 3547.5 | 3494.5 | 3450.6 | 3375.9 | 3270.0 | 3202.7 | 3087.3 | 2974.9 | 2896.1 | 2769.7 |
| 60°   | 4679.5 | 4575.2 | 4487.4 | 4383.5 | 4269.0 | 4125.4 | 4061.3 | 3925.5 | 3764.6 | 3634.5 | 3467.4 |
| 62.5° | 5321.0 | 5176.9 | 5034.5 | 4888.8 | 4773.9 | 4661.4 | 4528.8 | 4391.7 | 4232.5 | 4055.6 | 3872.9 |
| 65°   | 5346.8 | 5174.0 | 5003.7 | 4855.1 | 4720.5 | 4574.4 | 4450.0 | 4310.9 | 4143.4 | 3961.2 | 3771.6 |
| 67.5° | 5078.4 | 4885.1 | 4702.4 | 4539.5 | 4385.6 | 4250.1 | 4120.0 | 3989.1 | 3809.7 | 3657.0 | 3462.9 |
| 70°   | 4543.6 | 4367.1 | 4201.7 | 4016.2 | 3898.4 | 3746.1 | 3619.3 | 3481.4 | 3352.9 | 3210.1 | 3028.2 |
| 72.5° | 3337.3 | 3204.3 | 3015.5 | 2936.7 | 2873.5 | 2712.2 | 2617.8 | 2606.3 | 2524.2 | 2353.1 | 2217.2 |
| 75°   | 1241.2 | 1056.5 | 1000.7 | 1033.9 | 978.5  | 997.0  | 990.0  | 950.6  | 952.2  | 923.1  | 888.6  |
| 77.5° | 243.0  | 225.7  | 212.2  | 215.9  | 200.7  | 194.1  | 208.1  | 204.0  | 196.6  | 198.7  | 195.4  |
| 80°   | 165.4  | 140.0  | 126.8  | 121.9  | 115.7  | 112.9  | 112.1  | 110.8  | 108.4  | 107.1  | 103.4  |
| 82.5° | 162.9  | 121.1  | 95.6   | 82.1   | 77.2   | 74.7   | 72.6   | 72.2   | 71.4   | 71.0   | 72.2   |
| 85°   | 64.8   | 52.5   | 48.0   | 43.9   | 42.7   | 41.5   | 41.5   | 41.0   | 40.6   | 41.5   | 43.1   |
| 87.5° | 31.6   | 26.7   | 24.2   | 22.2   | 21.3   | 20.9   | 20.9   | 21.3   | 21.8   | 23.4   | 26.7   |
| 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):**

|       | 95°    | 96°    | 97°    | 98°    | 99°    | 100°   | 101°   | 102°   | 103°   | 104°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  |
| 2.5°  | 657.5  | 657.9  | 657.1  | 657.5  | 657.1  | 656.3  | 655.9  | 657.1  | 656.7  | 656.3  | 656.3  |
| 5°    | 674.4  | 676.0  | 675.2  | 674.4  | 674.4  | 673.9  | 673.9  | 673.9  | 673.5  | 673.9  | 672.7  |
| 7.5°  | 703.5  | 703.1  | 703.1  | 702.3  | 701.4  | 702.3  | 701.9  | 700.6  | 701.0  | 700.2  | 699.0  |
| 10°   | 740.8  | 739.6  | 741.7  | 741.7  | 740.0  | 739.6  | 738.8  | 737.6  | 737.6  | 736.3  | 736.3  |
| 12.5° | 785.2  | 783.9  | 786.8  | 784.8  | 782.3  | 781.9  | 779.4  | 778.6  | 779.8  | 779.4  | 778.6  |
| 15°   | 830.3  | 830.7  | 832.0  | 831.6  | 828.7  | 828.7  | 825.4  | 825.8  | 823.3  | 822.5  | 820.5  |
| 17.5° | 874.2  | 874.7  | 873.4  | 873.4  | 871.4  | 870.1  | 866.4  | 866.9  | 865.2  | 861.9  | 859.5  |
| 20°   | 913.6  | 913.2  | 910.4  | 912.8  | 908.7  | 907.9  | 904.6  | 901.3  | 902.2  | 898.9  | 893.9  |
| 22.5° | 952.2  | 951.4  | 950.6  | 949.4  | 947.3  | 946.5  | 942.8  | 942.4  | 938.3  | 933.3  | 929.2  |
| 25°   | 997.0  | 996.6  | 995.3  | 995.7  | 991.6  | 992.0  | 985.5  | 983.8  | 981.4  | 976.0  | 972.7  |
| 27.5° | 1054.8 | 1054.8 | 1051.6 | 1050.3 | 1049.1 | 1047.4 | 1041.7 | 1037.6 | 1031.4 | 1025.3 | 1018.7 |
| 30°   | 1125.8 | 1125.0 | 1124.2 | 1120.9 | 1116.4 | 1113.9 | 1103.7 | 1097.1 | 1088.9 | 1077.4 | 1067.6 |
| 32.5° | 1227.2 | 1220.2 | 1214.5 | 1207.1 | 1199.7 | 1191.9 | 1175.9 | 1164.8 | 1151.7 | 1133.2 | 1117.6 |
| 35°   | 1340.1 | 1328.2 | 1322.0 | 1306.8 | 1292.9 | 1277.3 | 1258.0 | 1235.4 | 1217.4 | 1193.2 | 1167.7 |
| 37.5° | 1433.3 | 1424.2 | 1407.8 | 1390.6 | 1370.9 | 1341.3 | 1319.6 | 1295.4 | 1263.8 | 1237.1 | 1206.3 |
| 40°   | 1548.2 | 1527.7 | 1504.3 | 1475.5 | 1448.5 | 1415.2 | 1385.2 | 1350.4 | 1311.8 | 1273.2 | 1233.0 |
| 42.5° | 1668.9 | 1637.3 | 1598.7 | 1565.4 | 1524.4 | 1480.9 | 1441.9 | 1394.7 | 1345.4 | 1293.7 | 1239.9 |
| 45°   | 1792.0 | 1753.0 | 1701.7 | 1654.5 | 1597.4 | 1542.9 | 1487.0 | 1422.6 | 1355.3 | 1286.3 | 1218.6 |
| 47.5° | 1904.9 | 1847.8 | 1789.5 | 1725.9 | 1660.2 | 1590.1 | 1510.8 | 1426.3 | 1337.6 | 1246.9 | 1162.4 |
| 50°   | 1993.5 | 1922.1 | 1848.6 | 1775.2 | 1694.7 | 1603.6 | 1503.9 | 1393.5 | 1284.3 | 1175.5 | 1078.2 |
| 52.5° | 2071.9 | 1991.9 | 1901.6 | 1810.5 | 1711.1 | 1599.1 | 1474.3 | 1344.2 | 1211.2 | 1091.0 | 981.8  |
| 55°   | 2223.8 | 2123.2 | 2004.2 | 1886.8 | 1761.2 | 1620.0 | 1464.5 | 1305.2 | 1152.1 | 1021.2 | 905.0  |
| 57.5° | 2636.3 | 2500.4 | 2316.1 | 2153.2 | 1993.9 | 1788.3 | 1569.1 | 1372.9 | 1178.0 | 1023.2 | 893.9  |
| 60°   | 3286.0 | 3064.8 | 2853.8 | 2605.5 | 2347.7 | 2065.8 | 1771.9 | 1507.6 | 1269.9 | 1075.8 | 920.2  |
| 62.5° | 3662.8 | 3429.2 | 3157.9 | 2857.1 | 2523.0 | 2179.4 | 1842.1 | 1533.4 | 1272.8 | 1061.4 | 889.0  |
| 65°   | 3561.0 | 3326.2 | 3027.8 | 2720.0 | 2364.6 | 2013.2 | 1678.3 | 1382.0 | 1129.1 | 933.8  | 768.8  |
| 67.5° | 3258.9 | 3013.5 | 2733.1 | 2391.6 | 2051.8 | 1726.3 | 1421.0 | 1141.9 | 918.2  | 735.9  | 590.2  |
| 70°   | 2819.3 | 2601.0 | 2330.9 | 2016.1 | 1686.5 | 1393.9 | 1136.5 | 884.9  | 695.7  | 528.6  | 413.7  |
| 72.5° | 2092.4 | 1899.1 | 1730.4 | 1467.3 | 1226.0 | 996.6  | 786.8  | 615.7  | 452.7  | 342.3  | 263.5  |
| 75°   | 878.3  | 813.1  | 785.6  | 689.1  | 599.2  | 491.3  | 369.8  | 294.7  | 238.9  | 203.2  | 161.3  |
| 77.5° | 213.0  | 213.0  | 200.3  | 187.6  | 172.4  | 156.0  | 137.9  | 123.1  | 115.7  | 109.2  | 103.8  |
| 80°   | 103.4  | 102.6  | 99.3   | 98.9   | 96.0   | 92.3   | 90.3   | 87.4   | 86.2   | 84.6   | 83.7   |
| 82.5° | 72.6   | 72.2   | 71.0   | 72.6   | 72.2   | 73.9   | 74.7   | 75.1   | 75.1   | 75.5   | 75.9   |
| 85°   | 46.0   | 47.6   | 50.9   | 55.0   | 58.7   | 63.2   | 67.3   | 70.6   | 73.1   | 75.1   | 76.8   |
| 87.5° | 29.1   | 33.2   | 35.7   | 41.9   | 48.0   | 55.0   | 62.8   | 66.1   | 69.0   | 69.4   | 66.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P145092

CATALOG NUMBER: RDG-E02-LED-E-U-SL2-7060

**CANDELA DISTRIBUTION (continued):**

|       | 106°   | 107°   | 108°   | 109°   | 110°   | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  |
|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0°    | 653.0  | 653.0  | 653.0  | 653.0  | 653.0  | 653.0 | 653.0 | 653.0 | 653.0 | 653.0 | 653.0 |
| 2.5°  | 656.3  | 655.9  | 656.7  | 655.9  | 655.9  | 655.5 | 654.2 | 653.0 | 651.8 | 651.4 | 650.1 |
| 5°    | 672.3  | 672.3  | 673.1  | 671.5  | 671.9  | 670.3 | 666.6 | 662.5 | 658.8 | 655.5 | 651.8 |
| 7.5°  | 699.4  | 698.2  | 698.6  | 698.2  | 697.3  | 694.1 | 685.8 | 675.6 | 665.7 | 655.5 | 647.3 |
| 10°   | 735.5  | 733.0  | 733.0  | 732.2  | 731.0  | 726.5 | 709.2 | 688.7 | 668.2 | 649.7 | 636.2 |
| 12.5° | 775.7  | 776.1  | 772.9  | 770.8  | 768.8  | 759.3 | 733.5 | 700.6 | 668.2 | 638.6 | 616.9 |
| 15°   | 817.6  | 817.2  | 813.5  | 812.3  | 807.8  | 793.8 | 754.8 | 706.8 | 660.4 | 616.9 | 584.5 |
| 17.5° | 855.4  | 853.7  | 850.0  | 847.6  | 842.6  | 824.2 | 769.2 | 703.9 | 639.9 | 582.8 | 542.2 |
| 20°   | 889.8  | 887.8  | 884.5  | 880.0  | 875.1  | 848.4 | 774.5 | 689.1 | 607.5 | 542.2 | 501.1 |
| 22.5° | 925.5  | 921.0  | 917.3  | 911.2  | 905.8  | 870.1 | 770.8 | 662.9 | 570.5 | 497.0 | 453.1 |
| 25°   | 965.4  | 960.0  | 952.2  | 944.8  | 936.6  | 887.8 | 760.5 | 630.0 | 526.2 | 448.2 | 403.9 |
| 27.5° | 1008.5 | 1000.7 | 990.4  | 981.0  | 967.8  | 900.9 | 742.9 | 593.5 | 477.8 | 399.8 | 353.8 |
| 30°   | 1054.0 | 1039.7 | 1026.9 | 1012.6 | 995.7  | 907.1 | 717.5 | 548.4 | 424.4 | 350.5 | 304.5 |
| 32.5° | 1098.3 | 1079.1 | 1060.2 | 1039.2 | 1016.3 | 904.6 | 681.3 | 495.0 | 371.0 | 304.5 | 266.0 |
| 35°   | 1143.5 | 1115.6 | 1089.3 | 1061.0 | 1033.1 | 892.3 | 631.7 | 435.9 | 320.6 | 266.4 | 238.5 |
| 37.5° | 1174.3 | 1139.4 | 1104.5 | 1070.4 | 1036.8 | 865.6 | 565.6 | 369.8 | 275.0 | 238.9 | 218.8 |
| 40°   | 1189.9 | 1147.2 | 1104.5 | 1062.2 | 1020.8 | 821.3 | 488.4 | 309.5 | 242.6 | 218.4 | 204.0 |
| 42.5° | 1185.4 | 1132.4 | 1079.5 | 1029.4 | 978.5  | 750.7 | 404.7 | 259.8 | 220.0 | 202.3 | 189.6 |
| 45°   | 1148.0 | 1084.8 | 1024.5 | 971.5  | 907.9  | 660.0 | 332.5 | 229.0 | 202.8 | 189.2 | 177.3 |
| 47.5° | 1077.8 | 1007.2 | 933.3  | 873.4  | 813.9  | 554.9 | 276.6 | 209.7 | 187.6 | 176.5 | 164.6 |
| 50°   | 988.3  | 906.7  | 832.8  | 767.9  | 709.7  | 456.8 | 238.5 | 193.3 | 175.3 | 165.8 | 153.1 |
| 52.5° | 889.8  | 802.0  | 734.7  | 666.6  | 609.5  | 381.3 | 211.8 | 175.3 | 163.4 | 153.5 | 143.2 |
| 55°   | 808.2  | 726.9  | 658.3  | 589.8  | 532.3  | 333.7 | 189.6 | 161.3 | 152.3 | 142.0 | 133.8 |
| 57.5° | 786.4  | 693.6  | 618.9  | 554.1  | 495.0  | 304.5 | 173.6 | 148.6 | 142.4 | 134.6 | 125.6 |
| 60°   | 795.4  | 693.2  | 609.5  | 538.5  | 476.5  | 281.2 | 161.7 | 140.0 | 135.0 | 128.1 | 118.6 |
| 62.5° | 763.0  | 655.1  | 570.5  | 495.0  | 436.3  | 251.6 | 153.1 | 135.9 | 132.6 | 123.1 | 112.5 |
| 65°   | 650.1  | 551.2  | 470.0  | 404.7  | 354.2  | 211.8 | 146.1 | 139.6 | 136.3 | 119.8 | 108.4 |
| 67.5° | 495.0  | 412.5  | 347.2  | 298.4  | 261.9  | 175.3 | 144.5 | 151.9 | 145.3 | 121.5 | 107.1 |
| 70°   | 342.3  | 279.9  | 238.1  | 208.5  | 185.5  | 147.8 | 149.8 | 165.4 | 156.0 | 126.8 | 114.1 |
| 72.5° | 217.1  | 181.4  | 160.9  | 149.8  | 138.7  | 124.8 | 148.6 | 163.8 | 151.0 | 127.6 | 114.1 |
| 75°   | 139.1  | 124.4  | 117.4  | 113.3  | 110.0  | 108.8 | 130.9 | 134.6 | 121.5 | 110.8 | 106.3 |
| 77.5° | 98.5   | 96.0   | 94.8   | 94.4   | 94.8   | 97.7  | 108.4 | 101.4 | 88.2  | 88.7  | 91.1  |
| 80°   | 83.3   | 83.3   | 82.5   | 82.9   | 83.7   | 85.0  | 86.6  | 74.7  | 67.7  | 73.1  | 81.3  |
| 82.5° | 76.3   | 77.6   | 78.4   | 79.2   | 80.4   | 78.8  | 73.5  | 56.6  | 54.6  | 71.0  | 79.6  |
| 85°   | 77.6   | 77.6   | 78.0   | 78.8   | 79.2   | 71.0  | 61.2  | 42.7  | 41.9  | 79.6  | 75.1  |
| 87.5° | 66.5   | 65.7   | 62.8   | 60.7   | 57.9   | 48.8  | 40.6  | 23.8  | 24.6  | 49.3  | 52.5  |
| 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):**

|       | 175°  | 180°  |
|-------|-------|-------|
| 0°    | 653.0 | 653.0 |
| 2.5°  | 649.7 | 649.7 |
| 5°    | 649.7 | 649.7 |
| 7.5°  | 644.4 | 642.8 |
| 10°   | 628.8 | 626.7 |
| 12.5° | 605.0 | 602.9 |
| 15°   | 568.5 | 566.0 |
| 17.5° | 522.9 | 518.8 |
| 20°   | 475.3 | 469.5 |
| 22.5° | 427.7 | 423.2 |
| 25°   | 378.8 | 374.7 |
| 27.5° | 330.8 | 326.7 |
| 30°   | 286.5 | 284.8 |
| 32.5° | 253.7 | 252.0 |
| 35°   | 229.4 | 228.6 |
| 37.5° | 213.0 | 212.2 |
| 40°   | 198.7 | 197.8 |
| 42.5° | 185.5 | 184.3 |
| 45°   | 172.4 | 172.8 |
| 47.5° | 159.3 | 158.8 |
| 50°   | 147.8 | 147.8 |
| 52.5° | 138.3 | 137.9 |
| 55°   | 129.7 | 129.3 |
| 57.5° | 121.1 | 120.7 |
| 60°   | 113.7 | 112.5 |
| 62.5° | 106.7 | 105.9 |
| 65°   | 102.2 | 101.8 |
| 67.5° | 98.9  | 97.7  |
| 70°   | 98.1  | 94.8  |
| 72.5° | 95.6  | 91.5  |
| 75°   | 89.9  | 87.8  |
| 77.5° | 79.2  | 76.8  |
| 80°   | 61.2  | 56.6  |
| 82.5° | 51.3  | 44.3  |
| 85°   | 37.8  | 34.9  |
| 87.5° | 27.5  | 21.8  |
| 90°   | 0.0   | 0.0   |

(END OF REPORT)