

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: P145090

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P145090  
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  
Description: RIDGEVIEW LED AREA ROADWAY LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL  
Light Source: (42) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5856 lumens  
Efficiency: N/A  
Efficacy: 112.4 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



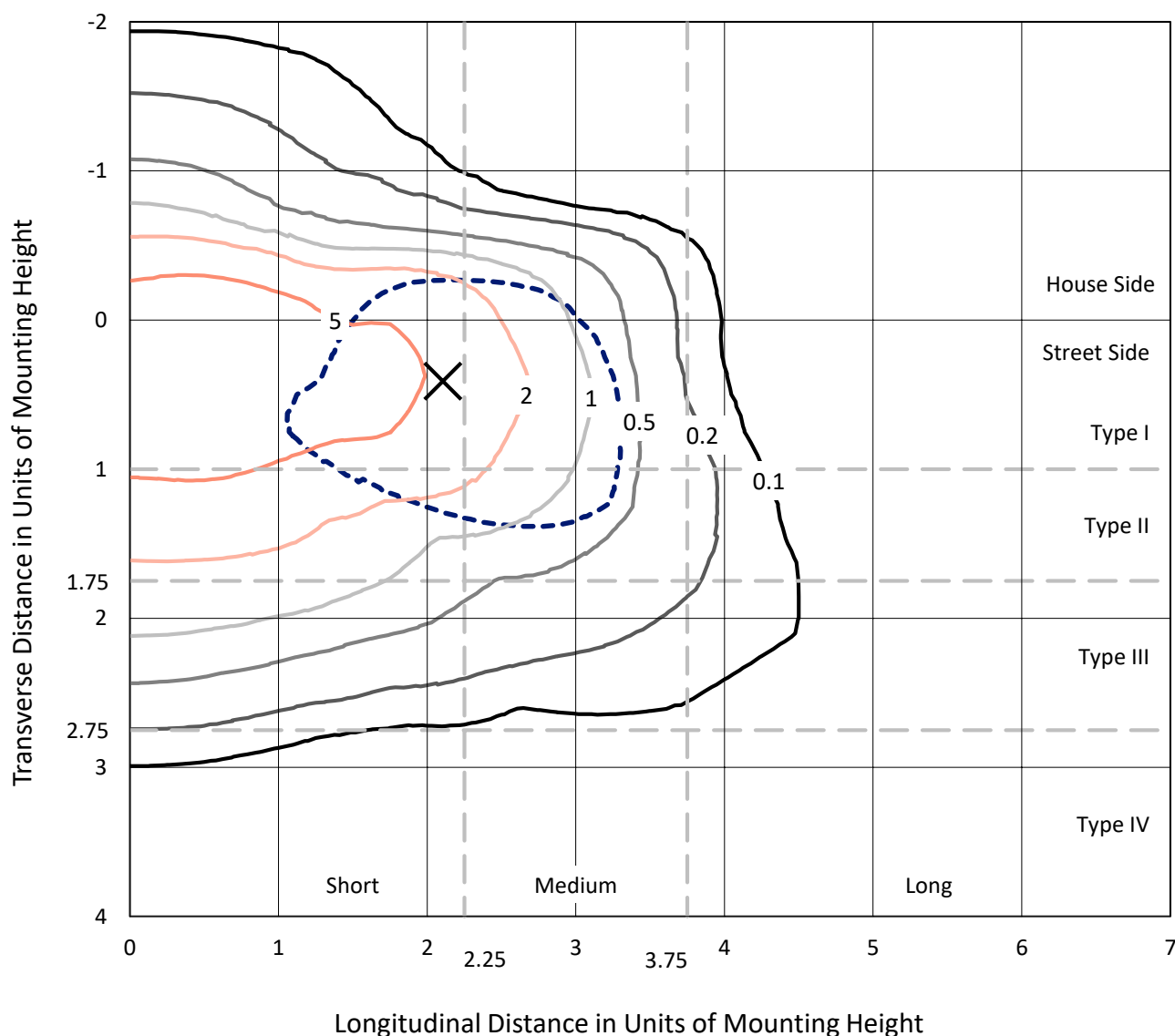
REPORT NUMBER: P145090

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

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

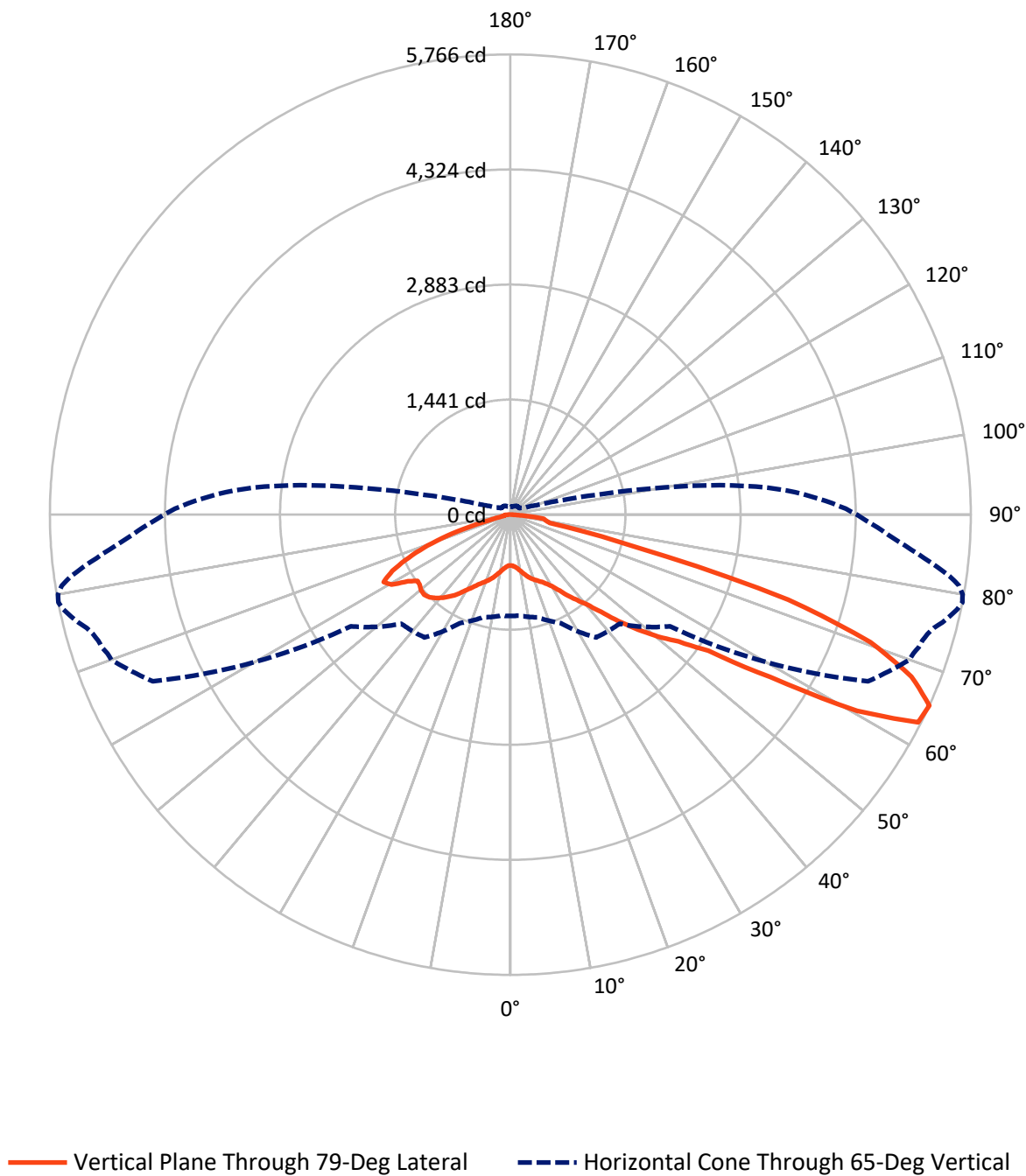


Based on 10 foot mounting height. Maximum calculated value = 8.2 fc  
 Type II - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1329.2   | 0.0    | 1329.2 |
|                    | % Fixture | 22.7     | 0.0    | 22.7   |
| <b>Street Side</b> | Lumens    | 4526.7   | 0.0    | 4526.7 |
|                    | % Fixture | 77.3     | 0.0    | 77.3   |
| <b>Total</b>       | Lumens    | 5856.0   | 0.0    | 5856.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 63.2   | 1.1       |
| 10°-20°   | 205.6  | 3.5       |
| 20°-30°   | 354.5  | 6.1       |
| 30°-40°   | 578.1  | 9.9       |
| 40°-50°   | 965.1  | 16.5      |
| 50°-60°   | 1305.0 | 22.3      |
| 60°-70°   | 1621.2 | 27.7      |
| 70°-80°   | 649.2  | 11.1      |
| 80°-90°   | 114.1  | 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°    | 5856.0 | 100.0     |
| 0°-180°   | 5856.0 | 100.0     |

**Coefficient of Utilization**



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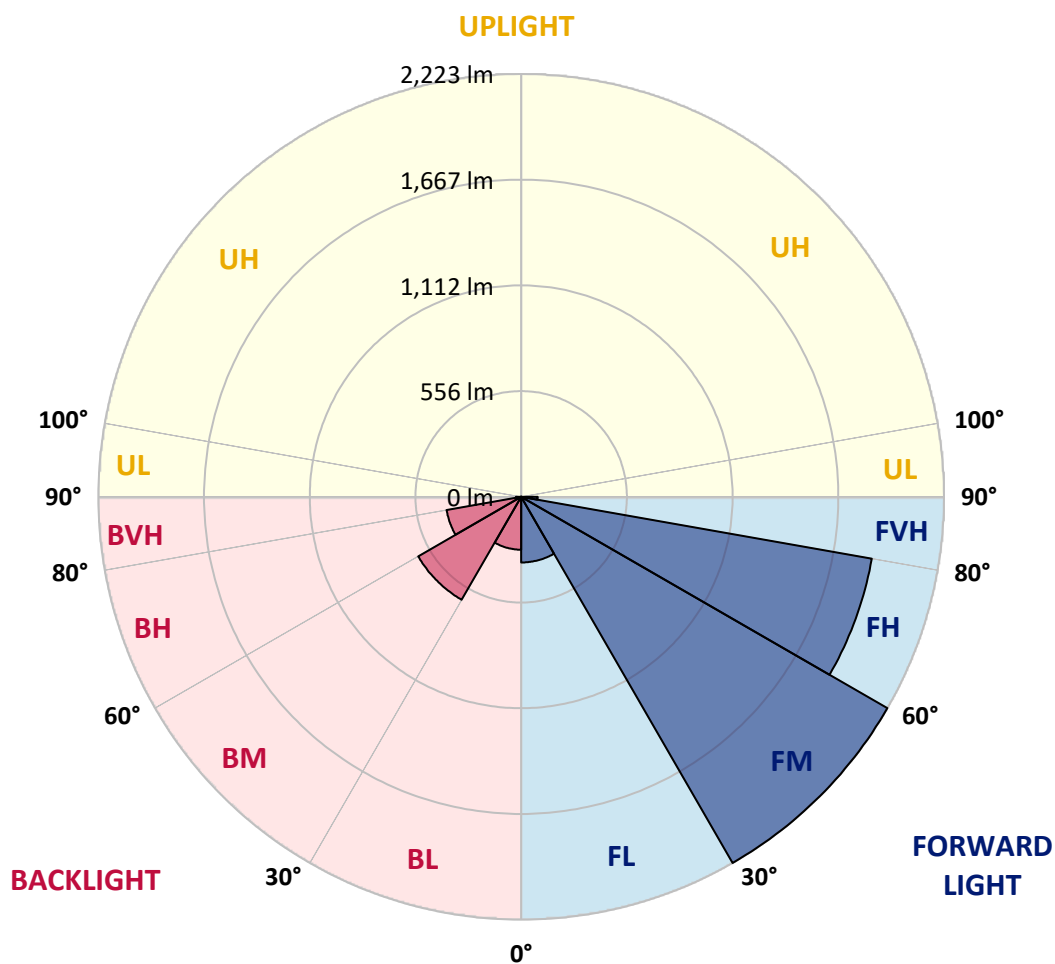
CATALOG NUMBER: RDG-E02-LED-E-U-SL2

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 345.3  | 5.9       |                         |      |         |
| FM   | (30°-60°)   | 2223.0 | 38.0      |                         |      |         |
| FH   | (60°-80°)   | 1871.9 | 32.0      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 86.5   | 1.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 278.0  | 4.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 625.2  | 10.7      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 398.5  | 6.8       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 27.5   | 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°    | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  |
| 2.5°  | 641.2  | 640.8  | 642.8  | 644.4  | 644.4  | 645.2  | 644.8  | 642.4  | 642.8  | 643.6  | 642.8  |
| 5°    | 648.4  | 646.8  | 648.8  | 651.2  | 652.8  | 654.8  | 656.8  | 657.2  | 658.8  | 658.8  | 658.4  |
| 7.5°  | 664.0  | 662.8  | 665.6  | 666.4  | 670.0  | 673.2  | 677.2  | 680.0  | 681.6  | 682.4  | 683.6  |
| 10°   | 690.8  | 690.0  | 690.8  | 692.4  | 694.0  | 697.6  | 704.4  | 710.4  | 714.0  | 714.0  | 715.6  |
| 12.5° | 723.2  | 720.0  | 720.8  | 717.6  | 718.4  | 726.0  | 734.0  | 744.0  | 750.0  | 750.8  | 751.6  |
| 15°   | 748.4  | 746.8  | 745.6  | 741.2  | 744.4  | 754.4  | 766.8  | 781.2  | 786.4  | 790.8  | 790.4  |
| 17.5° | 772.0  | 770.0  | 767.2  | 761.2  | 764.4  | 780.4  | 799.2  | 815.2  | 824.0  | 824.8  | 825.6  |
| 20°   | 800.0  | 797.6  | 792.4  | 780.0  | 779.2  | 801.6  | 826.8  | 844.0  | 852.0  | 855.6  | 856.8  |
| 22.5° | 835.6  | 832.4  | 822.8  | 798.8  | 792.4  | 818.8  | 848.8  | 870.0  | 878.4  | 882.0  | 884.0  |
| 25°   | 881.2  | 874.8  | 859.6  | 822.0  | 808.8  | 836.4  | 872.4  | 898.0  | 909.6  | 913.2  | 915.6  |
| 27.5° | 922.4  | 917.6  | 899.2  | 854.8  | 832.0  | 860.0  | 901.2  | 934.0  | 950.0  | 954.4  | 958.0  |
| 30°   | 970.4  | 963.6  | 948.8  | 901.6  | 871.2  | 896.0  | 948.4  | 990.0  | 1009.6 | 1010.0 | 1018.0 |
| 32.5° | 1083.2 | 1078.8 | 1065.2 | 1013.2 | 962.0  | 963.6  | 1012.4 | 1069.6 | 1089.2 | 1092.4 | 1099.6 |
| 35°   | 1250.4 | 1248.8 | 1248.4 | 1219.6 | 1181.6 | 1142.4 | 1146.0 | 1189.6 | 1202.8 | 1208.0 | 1210.4 |
| 37.5° | 1360.4 | 1374.4 | 1408.4 | 1429.2 | 1419.6 | 1428.0 | 1384.0 | 1330.8 | 1323.2 | 1317.6 | 1320.0 |
| 40°   | 1455.2 | 1467.6 | 1536.4 | 1632.4 | 1690.8 | 1732.0 | 1693.2 | 1530.0 | 1469.2 | 1451.6 | 1444.8 |
| 42.5° | 1511.2 | 1525.2 | 1623.6 | 1777.2 | 1926.0 | 2023.6 | 2034.0 | 1807.2 | 1652.8 | 1650.8 | 1625.2 |
| 45°   | 1541.6 | 1555.6 | 1673.2 | 1880.0 | 2090.4 | 2266.4 | 2357.6 | 2148.4 | 1921.6 | 1904.8 | 1869.2 |
| 47.5° | 1535.6 | 1548.8 | 1671.2 | 1918.0 | 2187.6 | 2427.6 | 2610.0 | 2493.2 | 2231.6 | 2191.2 | 2142.0 |
| 50°   | 1462.4 | 1472.0 | 1600.4 | 1856.0 | 2161.6 | 2494.8 | 2782.8 | 2809.6 | 2582.4 | 2527.6 | 2454.0 |
| 52.5° | 1386.8 | 1404.0 | 1510.4 | 1746.0 | 2043.6 | 2453.2 | 2886.0 | 3097.6 | 2910.0 | 2872.4 | 2778.0 |
| 55°   | 1346.0 | 1359.6 | 1446.4 | 1647.6 | 1919.2 | 2311.2 | 2928.8 | 3369.2 | 3308.0 | 3292.8 | 3226.0 |
| 57.5° | 1344.4 | 1357.6 | 1426.8 | 1588.0 | 1818.0 | 2163.2 | 2941.2 | 3788.8 | 3968.4 | 3972.4 | 3953.2 |
| 60°   | 1410.0 | 1423.6 | 1481.6 | 1616.8 | 1786.8 | 2036.4 | 2896.8 | 4384.0 | 4780.8 | 4816.0 | 4874.8 |
| 62.5° | 1419.2 | 1425.6 | 1495.6 | 1678.0 | 1900.4 | 1941.6 | 2714.0 | 4879.6 | 5339.2 | 5371.6 | 5404.0 |
| 65°   | 1269.6 | 1269.2 | 1331.2 | 1499.2 | 1876.8 | 1932.0 | 2439.2 | 4940.4 | 5316.8 | 5336.4 | 5376.8 |
| 67.5° | 946.8  | 938.8  | 974.0  | 1127.6 | 1489.2 | 1934.4 | 2113.6 | 4481.6 | 4902.4 | 4939.6 | 4953.2 |
| 70°   | 488.0  | 500.4  | 524.4  | 618.4  | 945.6  | 1557.2 | 1815.6 | 3781.2 | 4303.6 | 4317.6 | 4366.0 |
| 72.5° | 200.4  | 195.2  | 211.6  | 260.0  | 473.2  | 1029.2 | 1502.0 | 2984.0 | 3554.4 | 3544.8 | 3553.6 |
| 75°   | 111.6  | 113.2  | 118.0  | 135.6  | 230.0  | 516.8  | 1290.4 | 2112.4 | 2417.2 | 2251.6 | 2201.6 |
| 77.5° | 89.6   | 90.4   | 90.8   | 94.0   | 125.6  | 275.6  | 990.4  | 1391.2 | 1215.6 | 1128.8 | 1095.6 |
| 80°   | 65.6   | 70.0   | 74.8   | 75.6   | 86.4   | 156.4  | 543.2  | 1171.2 | 1026.0 | 954.0  | 894.8  |
| 82.5° | 52.8   | 54.8   | 65.2   | 66.8   | 68.8   | 93.2   | 246.0  | 1100.0 | 1022.0 | 948.4  | 866.8  |
| 85°   | 31.6   | 35.2   | 53.2   | 53.6   | 54.4   | 56.8   | 136.0  | 448.0  | 557.2  | 492.4  | 450.8  |
| 87.5° | 11.2   | 14.4   | 26.4   | 22.0   | 28.0   | 23.2   | 59.6   | 150.0  | 184.8  | 175.6  | 155.6  |
| 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°    | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  |
| 2.5°  | 642.4  | 642.4  | 643.2  | 642.8  | 642.8  | 642.8  | 642.8  | 642.0  | 642.0  | 640.8  | 641.6  |
| 5°    | 658.4  | 658.0  | 658.4  | 658.8  | 658.4  | 659.2  | 658.8  | 658.4  | 658.8  | 658.4  | 658.8  |
| 7.5°  | 684.0  | 682.0  | 684.8  | 683.2  | 682.8  | 685.2  | 684.0  | 685.2  | 685.6  | 685.2  | 684.8  |
| 10°   | 716.4  | 717.6  | 717.6  | 717.6  | 716.8  | 719.2  | 719.6  | 720.4  | 720.8  | 722.4  | 722.4  |
| 12.5° | 753.6  | 754.0  | 755.6  | 755.2  | 756.0  | 758.8  | 760.8  | 761.2  | 761.6  | 762.8  | 761.2  |
| 15°   | 793.6  | 794.4  | 794.4  | 798.0  | 796.8  | 800.8  | 802.0  | 802.0  | 802.4  | 807.2  | 807.6  |
| 17.5° | 829.2  | 829.2  | 832.4  | 832.4  | 835.6  | 836.4  | 840.0  | 840.4  | 842.0  | 846.4  | 846.8  |
| 20°   | 859.2  | 860.8  | 862.8  | 865.2  | 866.4  | 868.8  | 871.2  | 873.6  | 875.6  | 879.2  | 879.6  |
| 22.5° | 887.6  | 889.2  | 892.4  | 894.0  | 896.8  | 898.4  | 900.4  | 903.2  | 906.4  | 911.2  | 912.4  |
| 25°   | 920.4  | 922.0  | 925.6  | 928.0  | 931.2  | 933.6  | 937.2  | 940.8  | 942.8  | 947.6  | 951.2  |
| 27.5° | 962.0  | 966.8  | 971.6  | 972.8  | 975.2  | 980.8  | 985.6  | 990.4  | 994.8  | 997.2  | 1001.6 |
| 30°   | 1022.8 | 1022.8 | 1032.8 | 1032.8 | 1037.2 | 1042.4 | 1045.6 | 1050.8 | 1058.8 | 1061.2 | 1066.8 |
| 32.5° | 1104.4 | 1106.4 | 1110.0 | 1120.8 | 1128.8 | 1131.2 | 1133.6 | 1141.2 | 1146.0 | 1152.0 | 1158.8 |
| 35°   | 1220.8 | 1222.8 | 1224.8 | 1235.2 | 1244.4 | 1246.8 | 1249.2 | 1254.0 | 1262.0 | 1272.4 | 1269.2 |
| 37.5° | 1325.2 | 1326.4 | 1332.8 | 1344.4 | 1349.6 | 1356.0 | 1358.0 | 1366.8 | 1371.2 | 1380.8 | 1381.2 |
| 40°   | 1450.8 | 1448.0 | 1451.6 | 1464.8 | 1472.8 | 1472.4 | 1478.8 | 1494.8 | 1498.0 | 1502.4 | 1513.6 |
| 42.5° | 1626.0 | 1615.6 | 1626.8 | 1631.2 | 1643.2 | 1650.8 | 1663.6 | 1674.4 | 1682.0 | 1698.8 | 1706.8 |
| 45°   | 1852.4 | 1841.6 | 1850.8 | 1852.8 | 1877.6 | 1885.2 | 1904.4 | 1918.8 | 1935.2 | 1954.4 | 1960.0 |
| 47.5° | 2110.4 | 2090.4 | 2079.2 | 2091.6 | 2121.2 | 2133.6 | 2152.4 | 2166.0 | 2183.2 | 2193.2 | 2190.0 |
| 50°   | 2409.2 | 2361.2 | 2338.8 | 2332.4 | 2353.6 | 2371.2 | 2400.4 | 2406.8 | 2414.8 | 2414.4 | 2414.8 |
| 52.5° | 2742.4 | 2692.4 | 2645.6 | 2613.2 | 2610.0 | 2633.6 | 2640.8 | 2642.4 | 2640.0 | 2622.0 | 2610.8 |
| 55°   | 3177.6 | 3174.0 | 3124.8 | 3057.6 | 3053.2 | 3050.4 | 3008.4 | 3003.2 | 2993.6 | 2966.0 | 2928.0 |
| 57.5° | 3967.2 | 4007.2 | 3974.8 | 3973.2 | 3938.0 | 3914.8 | 3837.6 | 3799.2 | 3758.8 | 3684.0 | 3624.4 |
| 60°   | 4880.0 | 4938.0 | 4970.0 | 4984.0 | 5052.8 | 5052.8 | 4989.6 | 4935.2 | 4869.6 | 4755.6 | 4644.4 |
| 62.5° | 5429.6 | 5480.4 | 5527.6 | 5601.6 | 5689.2 | 5728.0 | 5731.2 | 5682.8 | 5600.0 | 5470.0 | 5312.8 |
| 65°   | 5394.8 | 5432.4 | 5489.6 | 5576.8 | 5649.2 | 5718.8 | 5765.6 | 5750.8 | 5687.6 | 5557.6 | 5386.4 |
| 67.5° | 5000.8 | 5055.6 | 5129.6 | 5210.0 | 5277.2 | 5342.8 | 5418.4 | 5424.0 | 5407.2 | 5283.6 | 5128.8 |
| 70°   | 4392.8 | 4463.2 | 4510.0 | 4611.2 | 4641.6 | 4708.0 | 4784.0 | 4820.4 | 4793.2 | 4698.0 | 4607.2 |
| 72.5° | 3568.8 | 3624.4 | 3632.4 | 3588.4 | 3603.6 | 3620.0 | 3638.4 | 3553.2 | 3520.4 | 3393.2 | 3334.8 |
| 75°   | 2164.0 | 2090.8 | 2029.2 | 1968.0 | 1785.2 | 1720.4 | 1620.8 | 1424.4 | 1402.0 | 1267.2 | 1173.6 |
| 77.5° | 1029.2 | 998.4  | 942.8  | 849.6  | 725.6  | 606.8  | 503.6  | 409.2  | 374.0  | 308.0  | 262.4  |
| 80°   | 861.6  | 824.8  | 774.8  | 705.6  | 618.8  | 532.4  | 450.8  | 380.8  | 310.4  | 252.8  | 202.0  |
| 82.5° | 790.4  | 726.4  | 656.0  | 596.4  | 535.2  | 476.4  | 421.6  | 358.4  | 321.2  | 259.2  | 211.6  |
| 85°   | 399.6  | 350.0  | 283.6  | 238.8  | 201.6  | 164.0  | 142.0  | 121.2  | 108.0  | 86.0   | 74.8   |
| 87.5° | 134.0  | 109.6  | 81.6   | 69.2   | 62.4   | 53.6   | 49.2   | 46.8   | 45.6   | 40.4   | 36.0   |
| 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°    | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  |
| 2.5°  | 641.6  | 641.6  | 641.6  | 641.6  | 641.2  | 641.2  | 641.2  | 641.2  | 641.2  | 641.2  | 641.6  |
| 5°    | 658.0  | 658.0  | 658.4  | 659.6  | 657.2  | 658.0  | 658.8  | 657.6  | 658.8  | 657.6  | 659.2  |
| 7.5°  | 684.4  | 685.6  | 684.8  | 686.4  | 685.6  | 688.0  | 686.4  | 685.2  | 686.0  | 686.0  | 686.4  |
| 10°   | 721.6  | 723.2  | 722.0  | 722.8  | 722.8  | 724.4  | 722.4  | 722.8  | 723.2  | 722.4  | 722.8  |
| 12.5° | 762.8  | 763.6  | 763.2  | 765.6  | 764.4  | 765.6  | 764.4  | 766.0  | 766.8  | 767.6  | 767.6  |
| 15°   | 807.6  | 808.4  | 810.8  | 810.4  | 812.8  | 812.0  | 812.4  | 810.4  | 814.4  | 812.0  | 812.8  |
| 17.5° | 848.8  | 848.4  | 851.6  | 852.8  | 853.2  | 853.6  | 854.8  | 853.2  | 853.6  | 854.8  | 854.0  |
| 20°   | 880.8  | 883.6  | 884.4  | 887.6  | 890.0  | 890.8  | 890.4  | 891.6  | 893.2  | 891.6  | 891.6  |
| 22.5° | 914.8  | 918.8  | 920.0  | 922.0  | 924.4  | 924.8  | 927.2  | 928.4  | 929.2  | 928.8  | 929.2  |
| 25°   | 955.6  | 958.4  | 961.2  | 965.2  | 968.0  | 968.4  | 970.4  | 972.0  | 972.4  | 972.0  | 974.4  |
| 27.5° | 1005.6 | 1009.2 | 1012.8 | 1017.6 | 1020.8 | 1021.6 | 1026.0 | 1026.0 | 1028.4 | 1029.6 | 1030.4 |
| 30°   | 1070.0 | 1071.2 | 1080.4 | 1085.2 | 1084.0 | 1089.6 | 1095.6 | 1095.2 | 1098.0 | 1098.8 | 1100.8 |
| 32.5° | 1163.6 | 1163.6 | 1171.6 | 1177.6 | 1184.0 | 1182.0 | 1191.2 | 1189.6 | 1194.0 | 1196.4 | 1195.2 |
| 35°   | 1277.2 | 1281.2 | 1287.2 | 1290.8 | 1297.6 | 1301.2 | 1307.6 | 1311.2 | 1313.2 | 1312.8 | 1308.4 |
| 37.5° | 1394.4 | 1400.8 | 1403.2 | 1412.0 | 1418.8 | 1424.8 | 1425.6 | 1421.6 | 1423.2 | 1415.2 | 1412.8 |
| 40°   | 1528.4 | 1537.6 | 1543.2 | 1556.4 | 1555.6 | 1563.2 | 1564.0 | 1552.4 | 1550.4 | 1540.0 | 1529.2 |
| 42.5° | 1715.6 | 1728.4 | 1732.8 | 1742.8 | 1734.8 | 1738.4 | 1718.4 | 1713.6 | 1697.6 | 1680.8 | 1656.4 |
| 45°   | 1968.0 | 1961.6 | 1964.4 | 1961.6 | 1940.4 | 1924.8 | 1908.4 | 1884.8 | 1861.2 | 1828.8 | 1794.0 |
| 47.5° | 2190.0 | 2193.2 | 2172.4 | 2159.2 | 2124.8 | 2102.8 | 2072.8 | 2031.6 | 2002.8 | 1959.2 | 1913.2 |
| 50°   | 2405.6 | 2370.0 | 2340.8 | 2310.4 | 2280.0 | 2239.6 | 2194.4 | 2158.0 | 2116.0 | 2061.6 | 2005.2 |
| 52.5° | 2580.8 | 2534.8 | 2499.6 | 2456.4 | 2415.2 | 2370.4 | 2323.2 | 2270.4 | 2215.2 | 2160.8 | 2091.2 |
| 55°   | 2891.2 | 2824.4 | 2779.2 | 2703.6 | 2656.8 | 2594.0 | 2557.2 | 2488.8 | 2412.0 | 2340.0 | 2266.0 |
| 57.5° | 3557.2 | 3457.2 | 3405.6 | 3362.8 | 3290.0 | 3186.8 | 3121.2 | 3008.8 | 2899.2 | 2822.4 | 2699.2 |
| 60°   | 4560.4 | 4458.8 | 4373.2 | 4272.0 | 4160.4 | 4020.4 | 3958.0 | 3825.6 | 3668.8 | 3542.0 | 3379.2 |
| 62.5° | 5185.6 | 5045.2 | 4906.4 | 4764.4 | 4652.4 | 4542.8 | 4413.6 | 4280.0 | 4124.8 | 3952.4 | 3774.4 |
| 65°   | 5210.8 | 5042.4 | 4876.4 | 4731.6 | 4600.4 | 4458.0 | 4336.8 | 4201.2 | 4038.0 | 3860.4 | 3675.6 |
| 67.5° | 4949.2 | 4760.8 | 4582.8 | 4424.0 | 4274.0 | 4142.0 | 4015.2 | 3887.6 | 3712.8 | 3564.0 | 3374.8 |
| 70°   | 4428.0 | 4256.0 | 4094.8 | 3914.0 | 3799.2 | 3650.8 | 3527.2 | 3392.8 | 3267.6 | 3128.4 | 2951.2 |
| 72.5° | 3252.4 | 3122.8 | 2938.8 | 2862.0 | 2800.4 | 2643.2 | 2551.2 | 2540.0 | 2460.0 | 2293.2 | 2160.8 |
| 75°   | 1209.6 | 1029.6 | 975.2  | 1007.6 | 953.6  | 971.6  | 964.8  | 926.4  | 928.0  | 899.6  | 866.0  |
| 77.5° | 236.8  | 220.0  | 206.8  | 210.4  | 195.6  | 189.2  | 202.8  | 198.8  | 191.6  | 193.6  | 190.4  |
| 80°   | 161.2  | 136.4  | 123.6  | 118.8  | 112.8  | 110.0  | 109.2  | 108.0  | 105.6  | 104.4  | 100.8  |
| 82.5° | 158.8  | 118.0  | 93.2   | 80.0   | 75.2   | 72.8   | 70.8   | 70.4   | 69.6   | 69.2   | 70.4   |
| 85°   | 63.2   | 51.2   | 46.8   | 42.8   | 41.6   | 40.4   | 40.4   | 40.0   | 39.6   | 40.4   | 42.0   |
| 87.5° | 30.8   | 26.0   | 23.6   | 21.6   | 20.8   | 20.4   | 20.4   | 20.8   | 21.2   | 22.8   | 26.0   |
| 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°    | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  |
| 2.5°  | 640.8  | 641.2  | 640.4  | 640.8  | 640.4  | 639.6  | 639.2  | 640.4  | 640.0  | 639.6  | 639.6  |
| 5°    | 657.2  | 658.8  | 658.0  | 657.2  | 657.2  | 656.8  | 656.8  | 656.8  | 656.4  | 656.8  | 655.6  |
| 7.5°  | 685.6  | 685.2  | 685.2  | 684.4  | 683.6  | 684.4  | 684.0  | 682.8  | 683.2  | 682.4  | 681.2  |
| 10°   | 722.0  | 720.8  | 722.8  | 722.8  | 721.2  | 720.8  | 720.0  | 718.8  | 718.8  | 717.6  | 717.6  |
| 12.5° | 765.2  | 764.0  | 766.8  | 764.8  | 762.4  | 762.0  | 759.6  | 758.8  | 760.0  | 759.6  | 758.8  |
| 15°   | 809.2  | 809.6  | 810.8  | 810.4  | 807.6  | 807.6  | 804.4  | 804.8  | 802.4  | 801.6  | 799.6  |
| 17.5° | 852.0  | 852.4  | 851.2  | 851.2  | 849.2  | 848.0  | 844.4  | 844.8  | 843.2  | 840.0  | 837.6  |
| 20°   | 890.4  | 890.0  | 887.2  | 889.6  | 885.6  | 884.8  | 881.6  | 878.4  | 879.2  | 876.0  | 871.2  |
| 22.5° | 928.0  | 927.2  | 926.4  | 925.2  | 923.2  | 922.4  | 918.8  | 918.4  | 914.4  | 909.6  | 905.6  |
| 25°   | 971.6  | 971.2  | 970.0  | 970.4  | 966.4  | 966.8  | 960.4  | 958.8  | 956.4  | 951.2  | 948.0  |
| 27.5° | 1028.0 | 1028.0 | 1024.8 | 1023.6 | 1022.4 | 1020.8 | 1015.2 | 1011.2 | 1005.2 | 999.2  | 992.8  |
| 30°   | 1097.2 | 1096.4 | 1095.6 | 1092.4 | 1088.0 | 1085.6 | 1075.6 | 1069.2 | 1061.2 | 1050.0 | 1040.4 |
| 32.5° | 1196.0 | 1189.2 | 1183.6 | 1176.4 | 1169.2 | 1161.6 | 1146.0 | 1135.2 | 1122.4 | 1104.4 | 1089.2 |
| 35°   | 1306.0 | 1294.4 | 1288.4 | 1273.6 | 1260.0 | 1244.8 | 1226.0 | 1204.0 | 1186.4 | 1162.8 | 1138.0 |
| 37.5° | 1396.8 | 1388.0 | 1372.0 | 1355.2 | 1336.0 | 1307.2 | 1286.0 | 1262.4 | 1231.6 | 1205.6 | 1175.6 |
| 40°   | 1508.8 | 1488.8 | 1466.0 | 1438.0 | 1411.6 | 1379.2 | 1350.0 | 1316.0 | 1278.4 | 1240.8 | 1201.6 |
| 42.5° | 1626.4 | 1595.6 | 1558.0 | 1525.6 | 1485.6 | 1443.2 | 1405.2 | 1359.2 | 1311.2 | 1260.8 | 1208.4 |
| 45°   | 1746.4 | 1708.4 | 1658.4 | 1612.4 | 1556.8 | 1503.6 | 1449.2 | 1386.4 | 1320.8 | 1253.6 | 1187.6 |
| 47.5° | 1856.4 | 1800.8 | 1744.0 | 1682.0 | 1618.0 | 1549.6 | 1472.4 | 1390.0 | 1303.6 | 1215.2 | 1132.8 |
| 50°   | 1942.8 | 1873.2 | 1801.6 | 1730.0 | 1651.6 | 1562.8 | 1465.6 | 1358.0 | 1251.6 | 1145.6 | 1050.8 |
| 52.5° | 2019.2 | 1941.2 | 1853.2 | 1764.4 | 1667.6 | 1558.4 | 1436.8 | 1310.0 | 1180.4 | 1063.2 | 956.8  |
| 55°   | 2167.2 | 2069.2 | 1953.2 | 1838.8 | 1716.4 | 1578.8 | 1427.2 | 1272.0 | 1122.8 | 995.2  | 882.0  |
| 57.5° | 2569.2 | 2436.8 | 2257.2 | 2098.4 | 1943.2 | 1742.8 | 1529.2 | 1338.0 | 1148.0 | 997.2  | 871.2  |
| 60°   | 3202.4 | 2986.8 | 2781.2 | 2539.2 | 2288.0 | 2013.2 | 1726.8 | 1469.2 | 1237.6 | 1048.4 | 896.8  |
| 62.5° | 3569.6 | 3342.0 | 3077.6 | 2784.4 | 2458.8 | 2124.0 | 1795.2 | 1494.4 | 1240.4 | 1034.4 | 866.4  |
| 65°   | 3470.4 | 3241.6 | 2950.8 | 2650.8 | 2304.4 | 1962.0 | 1635.6 | 1346.8 | 1100.4 | 910.0  | 749.2  |
| 67.5° | 3176.0 | 2936.8 | 2663.6 | 2330.8 | 1999.6 | 1682.4 | 1384.8 | 1112.8 | 894.8  | 717.2  | 575.2  |
| 70°   | 2747.6 | 2534.8 | 2271.6 | 1964.8 | 1643.6 | 1358.4 | 1107.6 | 862.4  | 678.0  | 515.2  | 403.2  |
| 72.5° | 2039.2 | 1850.8 | 1686.4 | 1430.0 | 1194.8 | 971.2  | 766.8  | 600.0  | 441.2  | 333.6  | 256.8  |
| 75°   | 856.0  | 792.4  | 765.6  | 671.6  | 584.0  | 478.8  | 360.4  | 287.2  | 232.8  | 198.0  | 157.2  |
| 77.5° | 207.6  | 207.6  | 195.2  | 182.8  | 168.0  | 152.0  | 134.4  | 120.0  | 112.8  | 106.4  | 101.2  |
| 80°   | 100.8  | 100.0  | 96.8   | 96.4   | 93.6   | 90.0   | 88.0   | 85.2   | 84.0   | 82.4   | 81.6   |
| 82.5° | 70.8   | 70.4   | 69.2   | 70.8   | 70.4   | 72.0   | 72.8   | 73.2   | 73.2   | 73.6   | 74.0   |
| 85°   | 44.8   | 46.4   | 49.6   | 53.6   | 57.2   | 61.6   | 65.6   | 68.8   | 71.2   | 73.2   | 74.8   |
| 87.5° | 28.4   | 32.4   | 34.8   | 40.8   | 46.8   | 53.6   | 61.2   | 64.4   | 67.2   | 67.6   | 65.2   |
| 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: P145090

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

**CANDELA DISTRIBUTION (continued):**

|       | 106°   | 107°   | 108°   | 109°   | 110°   | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  |
|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0°    | 636.4  | 636.4  | 636.4  | 636.4  | 636.4  | 636.4 | 636.4 | 636.4 | 636.4 | 636.4 | 636.4 |
| 2.5°  | 639.6  | 639.2  | 640.0  | 639.2  | 639.2  | 638.8 | 637.6 | 636.4 | 635.2 | 634.8 | 633.6 |
| 5°    | 655.2  | 655.2  | 656.0  | 654.4  | 654.8  | 653.2 | 649.6 | 645.6 | 642.0 | 638.8 | 635.2 |
| 7.5°  | 681.6  | 680.4  | 680.8  | 680.4  | 679.6  | 676.4 | 668.4 | 658.4 | 648.8 | 638.8 | 630.8 |
| 10°   | 716.8  | 714.4  | 714.4  | 713.6  | 712.4  | 708.0 | 691.2 | 671.2 | 651.2 | 633.2 | 620.0 |
| 12.5° | 756.0  | 756.4  | 753.2  | 751.2  | 749.2  | 740.0 | 714.8 | 682.8 | 651.2 | 622.4 | 601.2 |
| 15°   | 796.8  | 796.4  | 792.8  | 791.6  | 787.2  | 773.6 | 735.6 | 688.8 | 643.6 | 601.2 | 569.6 |
| 17.5° | 833.6  | 832.0  | 828.4  | 826.0  | 821.2  | 803.2 | 749.6 | 686.0 | 623.6 | 568.0 | 528.4 |
| 20°   | 867.2  | 865.2  | 862.0  | 857.6  | 852.8  | 826.8 | 754.8 | 671.6 | 592.0 | 528.4 | 488.4 |
| 22.5° | 902.0  | 897.6  | 894.0  | 888.0  | 882.8  | 848.0 | 751.2 | 646.0 | 556.0 | 484.4 | 441.6 |
| 25°   | 940.8  | 935.6  | 928.0  | 920.8  | 912.8  | 865.2 | 741.2 | 614.0 | 512.8 | 436.8 | 393.6 |
| 27.5° | 982.8  | 975.2  | 965.2  | 956.0  | 943.2  | 878.0 | 724.0 | 578.4 | 465.6 | 389.6 | 344.8 |
| 30°   | 1027.2 | 1013.2 | 1000.8 | 986.8  | 970.4  | 884.0 | 699.2 | 534.4 | 413.6 | 341.6 | 296.8 |
| 32.5° | 1070.4 | 1051.6 | 1033.2 | 1012.8 | 990.4  | 881.6 | 664.0 | 482.4 | 361.6 | 296.8 | 259.2 |
| 35°   | 1114.4 | 1087.2 | 1061.6 | 1034.0 | 1006.8 | 869.6 | 615.6 | 424.8 | 312.4 | 259.6 | 232.4 |
| 37.5° | 1144.4 | 1110.4 | 1076.4 | 1043.2 | 1010.4 | 843.6 | 551.2 | 360.4 | 268.0 | 232.8 | 213.2 |
| 40°   | 1159.6 | 1118.0 | 1076.4 | 1035.2 | 994.8  | 800.4 | 476.0 | 301.6 | 236.4 | 212.8 | 198.8 |
| 42.5° | 1155.2 | 1103.6 | 1052.0 | 1003.2 | 953.6  | 731.6 | 394.4 | 253.2 | 214.4 | 197.2 | 184.8 |
| 45°   | 1118.8 | 1057.2 | 998.4  | 946.8  | 884.8  | 643.2 | 324.0 | 223.2 | 197.6 | 184.4 | 172.8 |
| 47.5° | 1050.4 | 981.6  | 909.6  | 851.2  | 793.2  | 540.8 | 269.6 | 204.4 | 182.8 | 172.0 | 160.4 |
| 50°   | 963.2  | 883.6  | 811.6  | 748.4  | 691.6  | 445.2 | 232.4 | 188.4 | 170.8 | 161.6 | 149.2 |
| 52.5° | 867.2  | 781.6  | 716.0  | 649.6  | 594.0  | 371.6 | 206.4 | 170.8 | 159.2 | 149.6 | 139.6 |
| 55°   | 787.6  | 708.4  | 641.6  | 574.8  | 518.8  | 325.2 | 184.8 | 157.2 | 148.4 | 138.4 | 130.4 |
| 57.5° | 766.4  | 676.0  | 603.2  | 540.0  | 482.4  | 296.8 | 169.2 | 144.8 | 138.8 | 131.2 | 122.4 |
| 60°   | 775.2  | 675.6  | 594.0  | 524.8  | 464.4  | 274.0 | 157.6 | 136.4 | 131.6 | 124.8 | 115.6 |
| 62.5° | 743.6  | 638.4  | 556.0  | 482.4  | 425.2  | 245.2 | 149.2 | 132.4 | 129.2 | 120.0 | 109.6 |
| 65°   | 633.6  | 537.2  | 458.0  | 394.4  | 345.2  | 206.4 | 142.4 | 136.0 | 132.8 | 116.8 | 105.6 |
| 67.5° | 482.4  | 402.0  | 338.4  | 290.8  | 255.2  | 170.8 | 140.8 | 148.0 | 141.6 | 118.4 | 104.4 |
| 70°   | 333.6  | 272.8  | 232.0  | 203.2  | 180.8  | 144.0 | 146.0 | 161.2 | 152.0 | 123.6 | 111.2 |
| 72.5° | 211.6  | 176.8  | 156.8  | 146.0  | 135.2  | 121.6 | 144.8 | 159.6 | 147.2 | 124.4 | 111.2 |
| 75°   | 135.6  | 121.2  | 114.4  | 110.4  | 107.2  | 106.0 | 127.6 | 131.2 | 118.4 | 108.0 | 103.6 |
| 77.5° | 96.0   | 93.6   | 92.4   | 92.0   | 92.4   | 95.2  | 105.6 | 98.8  | 86.0  | 86.4  | 88.8  |
| 80°   | 81.2   | 81.2   | 80.4   | 80.8   | 81.6   | 82.8  | 84.4  | 72.8  | 66.0  | 71.2  | 79.2  |
| 82.5° | 74.4   | 75.6   | 76.4   | 77.2   | 78.4   | 76.8  | 71.6  | 55.2  | 53.2  | 69.2  | 77.6  |
| 85°   | 75.6   | 75.6   | 76.0   | 76.8   | 77.2   | 69.2  | 59.6  | 41.6  | 40.8  | 77.6  | 73.2  |
| 87.5° | 64.8   | 64.0   | 61.2   | 59.2   | 56.4   | 47.6  | 39.6  | 23.2  | 24.0  | 48.0  | 51.2  |
| 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):**

|       | 175°  | 180°  |
|-------|-------|-------|
| 0°    | 636.4 | 636.4 |
| 2.5°  | 633.2 | 633.2 |
| 5°    | 633.2 | 633.2 |
| 7.5°  | 628.0 | 626.4 |
| 10°   | 612.8 | 610.8 |
| 12.5° | 589.6 | 587.6 |
| 15°   | 554.0 | 551.6 |
| 17.5° | 509.6 | 505.6 |
| 20°   | 463.2 | 457.6 |
| 22.5° | 416.8 | 412.4 |
| 25°   | 369.2 | 365.2 |
| 27.5° | 322.4 | 318.4 |
| 30°   | 279.2 | 277.6 |
| 32.5° | 247.2 | 245.6 |
| 35°   | 223.6 | 222.8 |
| 37.5° | 207.6 | 206.8 |
| 40°   | 193.6 | 192.8 |
| 42.5° | 180.8 | 179.6 |
| 45°   | 168.0 | 168.4 |
| 47.5° | 155.2 | 154.8 |
| 50°   | 144.0 | 144.0 |
| 52.5° | 134.8 | 134.4 |
| 55°   | 126.4 | 126.0 |
| 57.5° | 118.0 | 117.6 |
| 60°   | 110.8 | 109.6 |
| 62.5° | 104.0 | 103.2 |
| 65°   | 99.6  | 99.2  |
| 67.5° | 96.4  | 95.2  |
| 70°   | 95.6  | 92.4  |
| 72.5° | 93.2  | 89.2  |
| 75°   | 87.6  | 85.6  |
| 77.5° | 77.2  | 74.8  |
| 80°   | 59.6  | 55.2  |
| 82.5° | 50.0  | 43.2  |
| 85°   | 36.8  | 34.0  |
| 87.5° | 26.8  | 21.2  |
| 90°   | 0.0   | 0.0   |

(END OF REPORT)