

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: NEO-RAY

Report Number: P199443

Luminaire Tested: **S123-DIP-U1-2-40-X-X0048-1D-UDD-1-NA-W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P199443  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P27889 P27889)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123-DIP-U1-2-40-X-X0048-1D-UDD-1-NA-W  
Description: DEFINE 3-INCH DIRECT/INDIRECT PENDANT LED LUMINAIRE  
UPLIGHT LL1-4000K, NO LENS  
DOWNLIGHT LL2-4000K, SATIN WHITE DIFFUSER  
Light Source: -  
757G  
Ballast/Driver: ELECTRONIC DRIVERS

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7571.6 lumens  
Efficiency: N/A  
Efficacy: 113.0 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.32  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4.08' x H: 0.38')  
CIE Type: General Diffuse

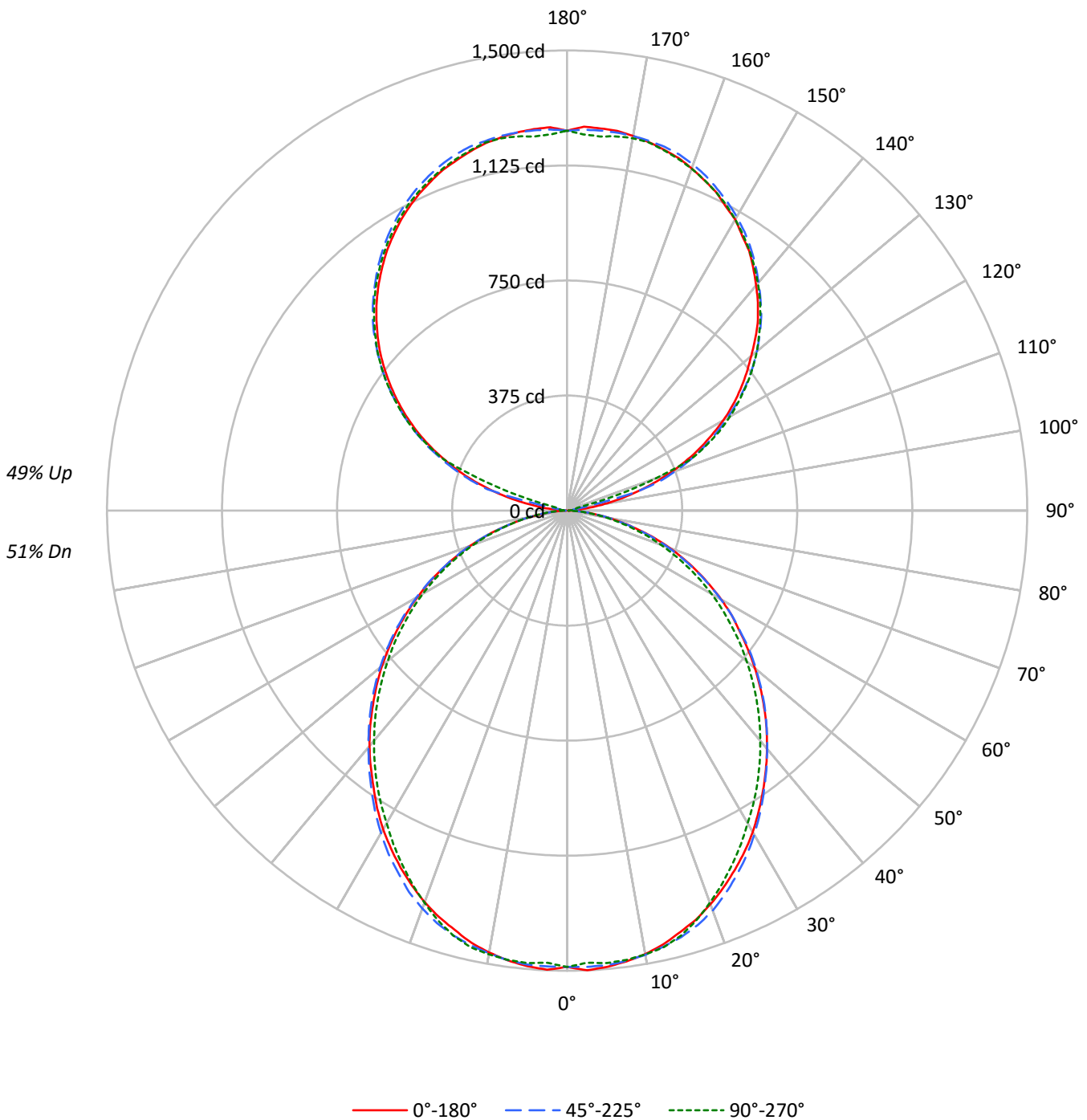
Input Watts (W): 67  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P199443

CATALOG NUMBER: S123-DIP-U1-2-40-X-X0048-1D-UDD-1-NA-W

### Luminous Intensity Polar Plot





TEST NUMBER: P199443

CATALOG NUMBER: S123-DIP-U1-2-40-X-X0048-1D-UDD-1-NA-W

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF  | 20  |     |     |     |    |    |    |    |    | 20 |    |    |    |    |    |    |    |    | 20 |    |    |    |    |    |    |    |    | 20 |  |  |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |   |
| RC  | 80  |     |     |     |    |    |    |    |    | 70 |    |    |    |    |    |    |    |    | 50 |    |    |    |    |    |    |    |    | 30 |  |  |  |  |  |  |  |  | 10 |  |  |  |  |  |  |  |  | 0 |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |    |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 0   | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 57 | 57 | 57 | 51 | 51 | 51 | 43 | 43 | 43 | 36 | 36 | 36 | 31 | 31 |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 1   | 98  | 94  | 90  | 86  | 91 | 87 | 84 | 80 | 74 | 71 | 69 | 62 | 60 | 59 | 51 | 50 | 49 | 43 | 43 | 43 | 36 | 36 | 36 | 31 | 31 | 31 | 26 | 26 |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 89  | 82  | 76  | 71  | 82 | 76 | 71 | 66 | 65 | 61 | 57 | 54 | 51 | 49 | 45 | 43 | 41 | 36 | 36 | 36 | 31 | 31 | 31 | 26 | 26 | 26 | 23 | 23 |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 82  | 72  | 65  | 59  | 75 | 67 | 60 | 55 | 57 | 52 | 48 | 48 | 44 | 41 | 40 | 37 | 35 | 31 | 31 | 31 | 26 | 26 | 26 | 23 | 23 | 23 | 20 | 20 |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 75  | 64  | 56  | 50  | 69 | 59 | 52 | 47 | 51 | 45 | 41 | 43 | 39 | 35 | 35 | 32 | 30 | 26 | 26 | 26 | 23 | 23 | 23 | 20 | 20 | 20 | 18 | 18 |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 68  | 57  | 49  | 43  | 63 | 53 | 46 | 40 | 45 | 40 | 35 | 38 | 34 | 31 | 32 | 29 | 26 | 23 | 23 | 23 | 20 | 20 | 20 | 18 | 18 | 18 | 16 | 16 |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 63  | 51  | 43  | 37  | 58 | 47 | 40 | 35 | 41 | 35 | 31 | 35 | 30 | 27 | 29 | 26 | 23 | 20 | 20 | 20 | 18 | 18 | 18 | 16 | 16 | 16 | 14 | 14 |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 58  | 46  | 38  | 32  | 54 | 43 | 36 | 31 | 37 | 31 | 27 | 32 | 27 | 24 | 26 | 23 | 20 | 18 | 18 | 18 | 16 | 16 | 16 | 14 | 14 | 14 | 12 | 12 |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 54  | 42  | 34  | 29  | 50 | 39 | 32 | 27 | 34 | 28 | 24 | 29 | 24 | 21 | 24 | 21 | 18 | 16 | 16 | 16 | 14 | 14 | 14 | 12 | 12 | 12 | 10 | 10 |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 50  | 38  | 31  | 26  | 47 | 36 | 29 | 24 | 31 | 25 | 22 | 27 | 22 | 19 | 22 | 19 | 17 | 14 | 14 | 14 | 12 | 12 | 12 | 10 | 10 | 10 | 8  | 8  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 47  | 35  | 28  | 23  | 44 | 33 | 26 | 22 | 29 | 23 | 19 | 25 | 20 | 17 | 21 | 17 | 15 | 13 | 13 | 13 | 11 | 11 | 11 | 9  | 9  | 9  | 7  | 7  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 15685 | 15685 | 15685 |
| 5°  | 15674 | 13851 | 15652 |
| 10° | 15466 | 12438 | 15411 |
| 15° | 15155 | 11164 | 15079 |
| 20° | 14829 | 9875  | 14751 |
| 25° | 14419 | 8713  | 14327 |
| 30° | 13988 | 7678  | 13869 |
| 35° | 13471 | 6792  | 13309 |
| 40° | 12955 | 5970  | 12809 |
| 45° | 12407 | 5209  | 12224 |
| 50° | 11814 | 4495  | 11645 |
| 55° | 11157 | 3817  | 10972 |
| 60° | 10555 | 3188  | 10236 |
| 65° | 9747  | 2559  | 9359  |
| 70° | 8742  | 1951  | 8284  |
| 75° | 7330  | 1345  | 6796  |
| 80° | 5482  | 804   | 4903  |
| 85° | 3105  | 344   | 2745  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 141.0  | 1.9       |
| 10°-20°   | 402.6  | 5.3       |
| 20°-30°   | 595.0  | 7.9       |
| 30°-40°   | 692.5  | 9.1       |
| 40°-50°   | 695.0  | 9.2       |
| 50°-60°   | 608.3  | 8.0       |
| 60°-70°   | 449.3  | 5.9       |
| 70°-80°   | 245.4  | 3.2       |
| 80°-90°   | 63.4   | 0.8       |
| 90°-100°  | 29.1   | 0.4       |
| 100°-110° | 203.9  | 2.7       |
| 110°-120° | 487.9  | 6.4       |
| 120°-130° | 631.5  | 8.3       |
| 130°-140° | 685.4  | 9.1       |
| 140°-150° | 648.9  | 8.6       |
| 150°-160° | 530.0  | 7.0       |
| 160°-170° | 344.3  | 4.5       |
| 170°-180° | 118.1  | 1.6       |
| 0°-30°    | 1138.7 | 15.0      |
| 0°-40°    | 1831.2 | 24.2      |
| 0°-60°    | 3134.4 | 41.4      |
| 0°-90°    | 3892.5 | 51.4      |
| 90°-120°  | 720.8  | 9.5       |
| 90°-150°  | 2686.6 | 35.5      |
| 90°-180°  | 3679.0 | 48.6      |
| 0°-180°   | 7571.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1488 | 1488 | 1488 | 1488 | 1488 |      |
| 5°   | 1493 | 1488 | 1480 | 1485 | 1491 | 142  |
| 15°  | 1422 | 1439 | 1434 | 1434 | 1415 | 401  |
| 25°  | 1292 | 1310 | 1273 | 1303 | 1284 | 595  |
| 35°  | 1114 | 1118 | 1082 | 1112 | 1100 | 697  |
| 45°  | 908  | 912  | 873  | 904  | 895  | 701  |
| 55°  | 686  | 690  | 652  | 683  | 675  | 616  |
| 65°  | 468  | 462  | 432  | 451  | 449  | 462  |
| 75°  | 242  | 236  | 218  | 223  | 224  | 257  |
| 85°  | 53   | 57   | 52   | 51   | 46   | 61   |
| 90°  | 3    | 6    | 4    | 5    | 2    | 5    |
| 95°  | 37   | 16   | 18   | 17   | 44   | 48   |
| 105° | 234  | 230  | 35   | 270  | 254  | 249  |
| 115° | 475  | 493  | 499  | 506  | 490  | 468  |
| 125° | 690  | 711  | 714  | 713  | 700  | 616  |
| 135° | 880  | 895  | 890  | 896  | 879  | 676  |
| 145° | 1034 | 1044 | 1036 | 1045 | 1027 | 645  |
| 155° | 1146 | 1157 | 1146 | 1159 | 1140 | 528  |
| 165° | 1218 | 1228 | 1216 | 1228 | 1213 | 344  |
| 175° | 1250 | 1243 | 1224 | 1244 | 1248 | 119  |
| 180° | 1238 | 1238 | 1238 | 1238 | 1238 |      |



TEST NUMBER: P199443

CATALOG NUMBER: S123-DIP-U1-2-40-X-X0048-1D-UDD-1-NA-W

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    | 112.5° | 135°   | 157.5° | 180°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1487.5 | 1487.5 | 1487.5 | 1487.5 | 1487.5 | 1487.5 | 1487.5 | 1487.5 | 1487.5 |
| 2.5°   | 1499.9 | 1484.4 | 1488.5 | 1486.5 | 1475.1 | 1486.5 | 1487.5 | 1483.4 | 1497.8 |
| 5°     | 1492.7 | 1479.3 | 1487.5 | 1484.4 | 1480.3 | 1484.4 | 1485.4 | 1477.2 | 1490.6 |
| 7.5°   | 1482.4 | 1471.0 | 1480.3 | 1479.3 | 1477.2 | 1479.3 | 1478.2 | 1466.9 | 1479.3 |
| 10°    | 1467.9 | 1457.6 | 1470.0 | 1472.0 | 1468.9 | 1471.0 | 1465.8 | 1454.5 | 1462.7 |
| 12.5°  | 1448.3 | 1440.0 | 1455.5 | 1459.6 | 1457.6 | 1458.6 | 1451.4 | 1434.9 | 1443.1 |
| 15°    | 1422.5 | 1418.4 | 1439.0 | 1442.1 | 1433.8 | 1439.0 | 1433.8 | 1413.2 | 1415.3 |
| 17.5°  | 1397.7 | 1393.6 | 1416.3 | 1412.2 | 1400.8 | 1409.1 | 1410.1 | 1387.4 | 1389.4 |
| 20°    | 1365.7 | 1363.6 | 1387.4 | 1375.0 | 1360.5 | 1370.9 | 1380.2 | 1357.4 | 1358.5 |
| 22.5°  | 1330.6 | 1332.7 | 1350.2 | 1332.7 | 1318.2 | 1328.5 | 1346.1 | 1324.4 | 1322.3 |
| 25°    | 1292.4 | 1298.6 | 1310.0 | 1289.3 | 1272.8 | 1284.2 | 1302.7 | 1290.3 | 1284.2 |
| 27.5°  | 1253.2 | 1262.5 | 1266.6 | 1242.9 | 1226.3 | 1237.7 | 1261.4 | 1253.2 | 1242.9 |
| 30°    | 1209.8 | 1221.2 | 1220.2 | 1195.4 | 1176.8 | 1189.2 | 1214.0 | 1212.9 | 1199.5 |
| 32.5°  | 1162.3 | 1177.8 | 1169.6 | 1145.8 | 1130.3 | 1139.6 | 1164.4 | 1167.5 | 1152.0 |
| 35°    | 1113.8 | 1130.3 | 1118.0 | 1095.2 | 1081.8 | 1091.1 | 1111.8 | 1121.1 | 1100.4 |
| 37.5°  | 1064.3 | 1080.8 | 1066.3 | 1044.7 | 1031.2 | 1040.5 | 1060.2 | 1071.5 | 1051.9 |
| 40°    | 1013.7 | 1029.2 | 1014.7 | 996.1  | 979.6  | 990.0  | 1007.5 | 1019.9 | 1002.3 |
| 42.5°  | 962.1  | 978.6  | 963.1  | 944.5  | 927.0  | 940.4  | 955.9  | 968.3  | 949.7  |
| 45°    | 908.4  | 926.0  | 911.5  | 889.8  | 873.3  | 886.7  | 904.3  | 914.6  | 895.0  |
| 47.5°  | 853.7  | 874.3  | 857.8  | 835.1  | 818.6  | 832.0  | 850.6  | 860.9  | 842.3  |
| 50°    | 799.0  | 816.5  | 804.1  | 780.4  | 763.9  | 776.3  | 796.9  | 805.2  | 787.6  |
| 52.5°  | 743.2  | 763.9  | 749.4  | 725.7  | 710.2  | 720.5  | 740.1  | 749.4  | 730.9  |
| 55°    | 686.5  | 703.0  | 689.6  | 669.9  | 652.4  | 664.8  | 683.4  | 689.6  | 675.1  |
| 57.5°  | 636.9  | 649.3  | 636.9  | 615.2  | 598.7  | 608.0  | 625.6  | 633.8  | 619.4  |
| 60°    | 580.1  | 591.5  | 579.1  | 558.5  | 544.0  | 552.3  | 566.7  | 577.0  | 562.6  |
| 62.5°  | 523.4  | 534.7  | 520.3  | 501.7  | 488.3  | 497.6  | 509.9  | 519.2  | 505.8  |
| 65°    | 467.6  | 477.9  | 462.5  | 445.9  | 432.5  | 441.8  | 451.1  | 461.4  | 449.0  |
| 67.5°  | 410.8  | 420.1  | 405.7  | 389.2  | 377.8  | 385.0  | 393.3  | 403.6  | 393.3  |
| 70°    | 355.1  | 362.3  | 349.9  | 334.5  | 324.1  | 330.3  | 337.6  | 345.8  | 336.5  |
| 72.5°  | 299.4  | 308.7  | 293.2  | 280.8  | 271.5  | 273.6  | 281.8  | 288.0  | 280.8  |
| 75°    | 241.6  | 247.7  | 236.4  | 226.1  | 217.8  | 219.9  | 223.0  | 232.3  | 224.0  |
| 77.5°  | 187.9  | 195.1  | 185.8  | 176.5  | 170.3  | 172.4  | 173.4  | 179.6  | 171.4  |
| 80°    | 137.3  | 143.5  | 137.3  | 130.1  | 125.9  | 127.0  | 127.0  | 131.1  | 122.8  |
| 82.5°  | 91.9   | 98.1   | 93.9   | 88.8   | 87.7   | 85.7   | 85.7   | 88.8   | 80.5   |
| 85°    | 52.6   | 59.9   | 56.8   | 52.6   | 51.6   | 50.6   | 50.6   | 52.6   | 46.5   |
| 87.5°  | 23.7   | 28.9   | 25.8   | 22.7   | 20.6   | 19.6   | 19.6   | 22.7   | 17.5   |
| 90°    | 3.1    | 7.2    | 6.2    | 4.1    | 4.1    | 4.1    | 5.2    | 6.2    | 2.1    |
| 92.5°  | 7.9    | 9.3    | 9.3    | 9.3    | 9.3    | 10.8   | 11.5   | 11.5   | 13.6   |
| 95°    | 36.6   | 13.6   | 15.8   | 17.2   | 17.9   | 17.9   | 17.2   | 15.1   | 44.5   |
| 97.5°  | 76.0   | 60.2   | 19.4   | 21.5   | 22.9   | 22.2   | 20.8   | 76.7   | 86.0   |
| 100°   | 123.3  | 139.8  | 21.5   | 24.4   | 25.8   | 25.1   | 23.7   | 157.0  | 136.2  |
| 102.5° | 175.7  | 195.0  | 77.4   | 27.2   | 28.0   | 27.2   | 118.3  | 211.5  | 194.3  |
| 105°   | 234.5  | 250.9  | 230.2  | 45.9   | 35.1   | 55.9   | 269.6  | 267.4  | 253.8  |
| 107.5° | 294.0  | 310.5  | 314.0  | 203.6  | 184.3  | 213.7  | 329.8  | 325.5  | 315.5  |
| 110°   | 354.9  | 367.1  | 375.0  | 378.6  | 309.0  | 383.6  | 388.6  | 382.9  | 374.3  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    | 112.5° | 135°   | 157.5° | 180°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 415.9  | 428.8  | 435.9  | 440.9  | 435.2  | 444.5  | 446.0  | 440.2  | 432.3  |
| 115°   | 474.6  | 486.1  | 493.3  | 501.2  | 499.0  | 502.6  | 505.5  | 497.6  | 490.4  |
| 117.5° | 529.9  | 544.2  | 548.5  | 556.4  | 559.2  | 556.4  | 559.2  | 552.8  | 546.3  |
| 120°   | 587.9  | 599.4  | 602.3  | 609.4  | 613.0  | 608.7  | 612.3  | 606.6  | 599.4  |
| 122.5° | 640.3  | 650.3  | 657.5  | 660.3  | 663.9  | 658.9  | 663.2  | 656.8  | 650.3  |
| 125°   | 689.7  | 700.5  | 711.2  | 710.5  | 714.1  | 708.4  | 713.4  | 705.5  | 699.8  |
| 127.5° | 737.1  | 747.8  | 760.7  | 758.6  | 761.4  | 755.7  | 762.2  | 752.8  | 747.8  |
| 130°   | 782.9  | 795.9  | 807.3  | 804.5  | 807.3  | 802.3  | 808.0  | 799.4  | 794.4  |
| 132.5° | 832.4  | 844.6  | 851.8  | 848.9  | 848.9  | 846.0  | 853.9  | 844.6  | 837.4  |
| 135°   | 879.7  | 887.6  | 894.8  | 890.5  | 890.5  | 887.6  | 896.2  | 887.6  | 879.0  |
| 137.5° | 919.9  | 928.5  | 933.5  | 930.6  | 930.6  | 927.1  | 935.7  | 927.8  | 919.2  |
| 140°   | 958.6  | 966.5  | 970.8  | 967.2  | 967.2  | 964.3  | 972.9  | 966.5  | 957.2  |
| 142.5° | 996.6  | 1003.8 | 1008.1 | 1002.3 | 1002.3 | 999.5  | 1010.2 | 1003.1 | 992.3  |
| 145°   | 1033.9 | 1038.9 | 1043.9 | 1035.3 | 1036.0 | 1031.7 | 1044.6 | 1037.5 | 1027.4 |
| 147.5° | 1061.9 | 1071.2 | 1076.9 | 1066.9 | 1066.9 | 1063.3 | 1076.9 | 1069.7 | 1058.3 |
| 150°   | 1095.6 | 1099.1 | 1105.6 | 1097.0 | 1096.3 | 1093.4 | 1106.3 | 1098.4 | 1088.4 |
| 152.5° | 1118.5 | 1127.1 | 1132.8 | 1123.5 | 1122.8 | 1119.2 | 1133.6 | 1124.9 | 1114.9 |
| 155°   | 1146.5 | 1150.0 | 1157.2 | 1148.6 | 1146.5 | 1145.0 | 1158.6 | 1147.9 | 1140.0 |
| 157.5° | 1166.5 | 1170.8 | 1180.9 | 1173.0 | 1167.3 | 1169.4 | 1180.2 | 1168.0 | 1161.5 |
| 160°   | 1187.3 | 1188.8 | 1200.2 | 1192.3 | 1185.9 | 1188.8 | 1199.5 | 1184.5 | 1182.3 |
| 162.5° | 1205.3 | 1206.0 | 1216.7 | 1207.4 | 1202.4 | 1203.1 | 1216.0 | 1201.0 | 1197.4 |
| 165°   | 1218.2 | 1216.7 | 1227.5 | 1219.6 | 1216.0 | 1216.0 | 1227.5 | 1213.9 | 1213.1 |
| 167.5° | 1230.3 | 1229.6 | 1234.6 | 1229.6 | 1228.9 | 1225.3 | 1233.9 | 1224.6 | 1226.8 |
| 170°   | 1239.7 | 1236.8 | 1239.7 | 1232.5 | 1232.5 | 1228.9 | 1240.4 | 1232.5 | 1235.4 |
| 172.5° | 1248.3 | 1242.5 | 1242.5 | 1232.5 | 1230.3 | 1229.6 | 1243.3 | 1239.0 | 1243.3 |
| 175°   | 1250.4 | 1245.4 | 1243.3 | 1232.5 | 1223.9 | 1230.3 | 1244.0 | 1241.1 | 1248.3 |
| 177.5° | 1252.6 | 1244.7 | 1242.5 | 1229.6 | 1227.5 | 1228.2 | 1243.3 | 1241.8 | 1250.4 |
| 180°   | 1238.2 | 1238.2 | 1238.2 | 1238.2 | 1238.2 | 1238.2 | 1238.2 | 1238.2 | 1238.2 |

(END OF REPORT)