

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1317863

Luminaire Tested: LDSQA3D02R159830DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317863
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R159830DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

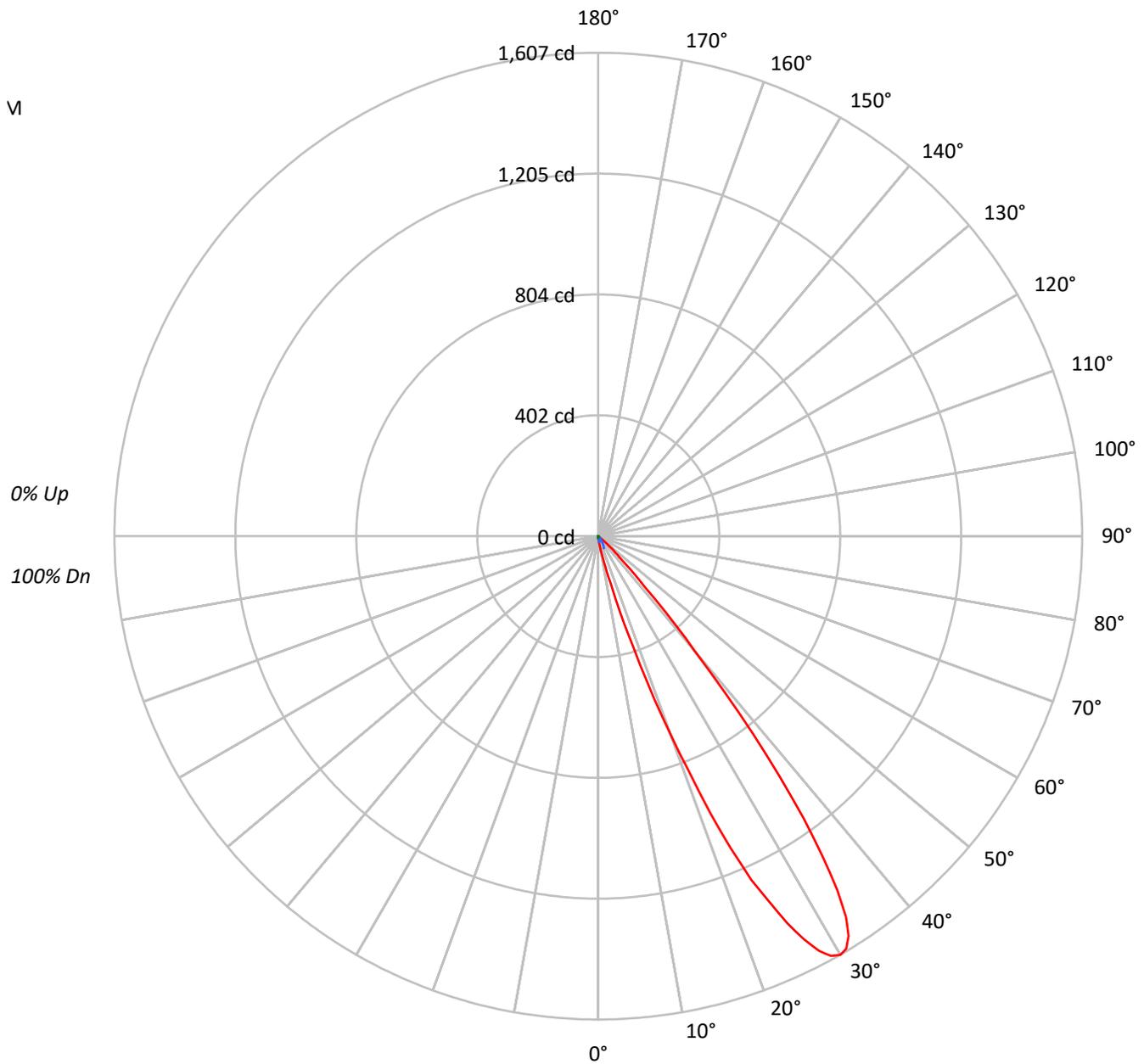
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 170.0 lumens
Efficiency: N/A
Efficacy: 47.2 lumens/watt
Spacing Criteria (0/90/45): 2.33 / 0.38 / 1.17
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: 24 FT

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Luminous Intensity Polar Plot



— 0°-180° - - - 45°-225° ····· 90°-270°



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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 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | 100 | |
| 1 | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 95 | 94 | 92 | | | 92 | |
| 2 | 106 | 100 | 96 | 92 | 104 | 99 | 94 | 91 | 95 | 92 | 89 | 92 | 89 | 87 | 89 | 87 | 85 | 83 | | | 83 | |
| 3 | 99 | 92 | 86 | 81 | 97 | 90 | 85 | 81 | 88 | 83 | 79 | 85 | 81 | 78 | 83 | 80 | 77 | 75 | | | 75 | |
| 4 | 93 | 84 | 78 | 73 | 91 | 83 | 77 | 72 | 81 | 75 | 71 | 79 | 74 | 70 | 77 | 73 | 70 | 68 | | | 68 | |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 70 | 65 | 74 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 61 | | | 61 | |
| 6 | 81 | 71 | 63 | 58 | 79 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 61 | 57 | 65 | 60 | 57 | 55 | | | 55 | |
| 7 | 76 | 65 | 57 | 52 | 74 | 64 | 57 | 52 | 63 | 56 | 52 | 61 | 56 | 52 | 60 | 55 | 51 | 50 | | | 50 | |
| 8 | 71 | 59 | 52 | 47 | 69 | 59 | 52 | 47 | 58 | 51 | 47 | 56 | 51 | 47 | 55 | 50 | 46 | 45 | | | 45 | |
| 9 | 66 | 55 | 47 | 43 | 65 | 54 | 47 | 43 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 41 | | | 41 | |
| 10 | 62 | 50 | 43 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 37 | | | 37 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|------|------|------|------|
| 0° | 1051 | 1051 | 1051 | 1051 | 1051 |
| 5° | 3025 | 2282 | 899 | 363 | 242 |
| 10° | 7870 | 3410 | 595 | 0 | 0 |
| 15° | 31487 | 5581 | 321 | 0 | 0 |
| 20° | 128659 | 8229 | 92 | 0 | 0 |
| 25° | 254332 | 8152 | 0 | 0 | 0 |
| 30° | 319657 | 6443 | 0 | 0 | 0 |
| 35° | 272751 | 3953 | 0 | 0 | 0 |
| 40° | 112298 | 1237 | 0 | 0 | 0 |
| 45° | 24307 | 511 | 0 | 0 | 0 |
| 50° | 3108 | 0 | 0 | 0 | 0 |
| 55° | 270 | 0 | 60 | 0 | 0 |
| 60° | 0 | 0 | 138 | 0 | 0 |
| 65° | 0 | 0 | 163 | 0 | 0 |
| 70° | 0 | 101 | 252 | 0 | 0 |
| 75° | 0 | 133 | 333 | 0 | 0 |
| 80° | 0 | 198 | 496 | 0 | 0 |
| 85° | 0 | 395 | 988 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2°
 Vertical Angle: 45°
 Luminance: 25428 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 0.8 | 0.5 |
| 10°-20° | 11.9 | 7.0 |
| 20°-30° | 69.4 | 40.8 |
| 30°-40° | 74.5 | 43.8 |
| 40°-50° | 12.6 | 7.4 |
| 50°-60° | 0.4 | 0.2 |
| 60°-70° | 0.1 | 0.1 |
| 70°-80° | 0.2 | 0.1 |
| 80°-90° | 0.2 | 0.1 |
| 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°-30° | 82.2 | 48.3 |
| 0°-40° | 156.6 | 92.1 |
| 0°-60° | 169.6 | 99.7 |
| 0°-90° | 170.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 170.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 6 | 6 | 6 | 6 | 6 | |
| 5° | 18 | 13 | 5 | 2 | 1 | 2 |
| 15° | 177 | 31 | 2 | 0 | 0 | 82 |
| 25° | 1338 | 43 | 0 | 0 | 0 | 606 |
| 35° | 1297 | 19 | 0 | 0 | 0 | 746 |
| 45° | 100 | 2 | 0 | 0 | 0 | 118 |
| 55° | 1 | 0 | 0 | 0 | 0 | 2 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1317863

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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |
| 2.5° | 11.1 | 11.3 | 11.4 | 11.4 | 11.4 | 11.4 | 11.3 | 11.3 | 11.3 | 11.3 | 11.1 |
| 5° | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 |
| 7.5° | 25.0 | 24.7 | 24.8 | 24.3 | 24.7 | 24.5 | 24.3 | 24.7 | 24.7 | 23.8 | 23.8 |
| 10° | 45.0 | 44.9 | 43.1 | 43.4 | 43.8 | 43.6 | 43.6 | 42.5 | 42.4 | 41.7 | 40.9 |
| 12.5° | 86.9 | 88.8 | 90.3 | 90.3 | 86.9 | 88.1 | 85.8 | 86.3 | 86.7 | 85.6 | 81.9 |
| 15° | 176.6 | 179.8 | 176.4 | 179.7 | 178.4 | 173.8 | 168.6 | 161.6 | 164.3 | 159.5 | 157.8 |
| 17.5° | 386.8 | 394.2 | 391.1 | 376.3 | 381.1 | 369.7 | 362.5 | 359.9 | 352.3 | 330.0 | 320.7 |
| 20° | 702.0 | 710.9 | 702.5 | 685.2 | 690.7 | 669.1 | 663.6 | 658.4 | 625.1 | 613.0 | 574.0 |
| 21° | 834.7 | 842.0 | 845.2 | 827.1 | 816.1 | 798.9 | 784.6 | 779.9 | 759.7 | 736.3 | 696.3 |
| 22° | 994.8 | 986.2 | 966.9 | 969.4 | 953.0 | 938.9 | 919.0 | 900.3 | 877.7 | 845.0 | 811.9 |
| 23° | 1127.5 | 1117.5 | 1108.3 | 1097.3 | 1079.6 | 1069.5 | 1041.1 | 1020.6 | 991.2 | 956.2 | 924.4 |
| 24° | 1251.0 | 1235.6 | 1229.9 | 1210.2 | 1205.2 | 1182.7 | 1159.6 | 1132.8 | 1097.4 | 1060.1 | 1024.9 |
| 25° | 1338.4 | 1340.7 | 1335.7 | 1333.4 | 1307.8 | 1284.8 | 1261.9 | 1220.6 | 1190.4 | 1157.3 | 1103.2 |
| 26° | 1432.1 | 1433.2 | 1430.6 | 1413.5 | 1390.4 | 1367.9 | 1338.4 | 1302.5 | 1258.7 | 1222.0 | 1173.1 |
| 27° | 1503.8 | 1499.5 | 1495.9 | 1475.5 | 1456.6 | 1428.1 | 1401.3 | 1358.8 | 1316.1 | 1272.4 | 1215.6 |
| 28° | 1561.0 | 1552.9 | 1548.5 | 1530.9 | 1508.8 | 1473.9 | 1441.0 | 1401.3 | 1358.6 | 1311.8 | 1250.3 |
| 29° | 1595.5 | 1586.9 | 1581.9 | 1562.6 | 1537.0 | 1506.4 | 1473.2 | 1429.6 | 1383.6 | 1331.4 | 1269.6 |
| 30° | 1607.4 | 1602.4 | 1594.6 | 1574.6 | 1548.1 | 1516.3 | 1482.1 | 1434.8 | 1386.7 | 1333.2 | 1267.8 |
| 31° | 1599.6 | 1593.1 | 1585.6 | 1564.0 | 1535.4 | 1505.0 | 1465.3 | 1415.6 | 1365.0 | 1314.1 | 1244.7 |
| 32° | 1568.3 | 1564.4 | 1555.2 | 1526.3 | 1503.0 | 1463.7 | 1424.6 | 1378.1 | 1322.9 | 1268.2 | 1205.4 |
| 33° | 1509.7 | 1503.2 | 1495.4 | 1468.9 | 1439.2 | 1401.5 | 1362.5 | 1315.0 | 1260.1 | 1202.4 | 1133.4 |
| 34° | 1420.3 | 1412.1 | 1402.2 | 1384.5 | 1346.6 | 1313.9 | 1268.9 | 1213.3 | 1167.9 | 1112.4 | 1050.1 |
| 35° | 1297.3 | 1285.3 | 1273.5 | 1260.1 | 1217.6 | 1187.4 | 1157.0 | 1108.5 | 1064.7 | 1012.5 | 941.9 |
| 36° | 1159.3 | 1154.6 | 1145.0 | 1109.6 | 1095.8 | 1054.7 | 1030.2 | 974.6 | 939.2 | 888.1 | 829.8 |
| 37° | 1003.2 | 975.9 | 989.8 | 970.0 | 928.5 | 915.6 | 886.5 | 838.8 | 800.5 | 746.5 | 704.3 |
| 38° | 835.9 | 818.0 | 827.9 | 807.8 | 786.2 | 756.5 | 734.4 | 699.5 | 656.6 | 614.2 | 574.2 |
| 39° | 662.5 | 648.0 | 658.7 | 645.2 | 612.3 | 599.9 | 580.3 | 553.6 | 519.1 | 486.1 | 448.2 |
| 40° | 499.5 | 480.9 | 495.2 | 475.9 | 460.9 | 440.7 | 430.6 | 406.2 | 384.7 | 364.9 | 340.7 |
| 42.5° | 228.1 | 226.1 | 222.9 | 215.9 | 214.3 | 214.5 | 202.2 | 194.1 | 183.2 | 170.5 | 162.9 |
| 45° | 99.8 | 102.3 | 104.4 | 100.5 | 100.3 | 98.1 | 97.4 | 92.1 | 89.9 | 85.8 | 80.8 |
| 47.5° | 49.2 | 50.1 | 49.5 | 50.6 | 49.7 | 48.3 | 47.9 | 47.2 | 45.0 | 44.9 | 42.5 |
| 50° | 11.6 | 11.4 | 11.4 | 11.6 | 11.4 | 11.4 | 11.3 | 10.9 | 10.7 | 10.9 | 10.4 |
| 52.5° | 3.8 | 3.9 | 3.8 | 3.6 | 3.8 | 3.9 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 55° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.7 | 0.7 | 0.9 | 0.9 | 0.9 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 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):

| | 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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):

| | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|-------|-----|--------|------|--------|------|
| 0° | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |
| 2.5° | 10.9 | 9.3 | 7.7 | 6.1 | 4.5 | 3.6 | 3.4 | 3.2 |
| 5° | 16.4 | 13.2 | 8.8 | 5.2 | 3.0 | 2.1 | 1.6 | 1.4 |
| 7.5° | 22.2 | 16.4 | 9.7 | 4.3 | 2.1 | 0.9 | 0.4 | 0.2 |
| 10° | 31.8 | 19.5 | 10.0 | 3.4 | 1.1 | 0.0 | 0.0 | 0.0 |
| 12.5° | 62.4 | 22.3 | 9.8 | 2.7 | 0.2 | 0.0 | 0.0 | 0.0 |
| 15° | 103.7 | 31.3 | 9.1 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17.5° | 169.8 | 40.4 | 7.9 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20° | 263.3 | 44.9 | 6.1 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21° | 308.7 | 45.2 | 5.4 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22° | 348.1 | 45.2 | 4.6 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23° | 384.5 | 44.7 | 4.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24° | 414.6 | 44.0 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25° | 437.1 | 42.9 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 26° | 447.4 | 41.5 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27° | 452.6 | 39.5 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 28° | 449.1 | 37.4 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 29° | 440.1 | 35.0 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 428.5 | 32.4 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 31° | 411.5 | 29.7 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32° | 388.3 | 27.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 33° | 357.2 | 24.1 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 34° | 318.7 | 21.3 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 275.7 | 18.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 36° | 238.7 | 16.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37° | 201.5 | 12.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 38° | 168.8 | 10.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 39° | 139.6 | 8.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 115.7 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 64.0 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 38.8 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 22.5 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 8.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.7 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.2 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.2 | 0.4 | 0.2 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.4 | 0.4 | 0.2 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.4 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.2 | 0.4 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.2 | 0.4 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.2 | 0.4 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.2 | 0.4 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.2 | 0.4 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|-------|-----|--------|------|--------|------|
| 82.5° | 0.0 | 0.2 | 0.4 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.2 | 0.4 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.2 | 0.4 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)