

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: P1308931

Luminaire Tested: LDSQA3D05R359030DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308931
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R359030DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

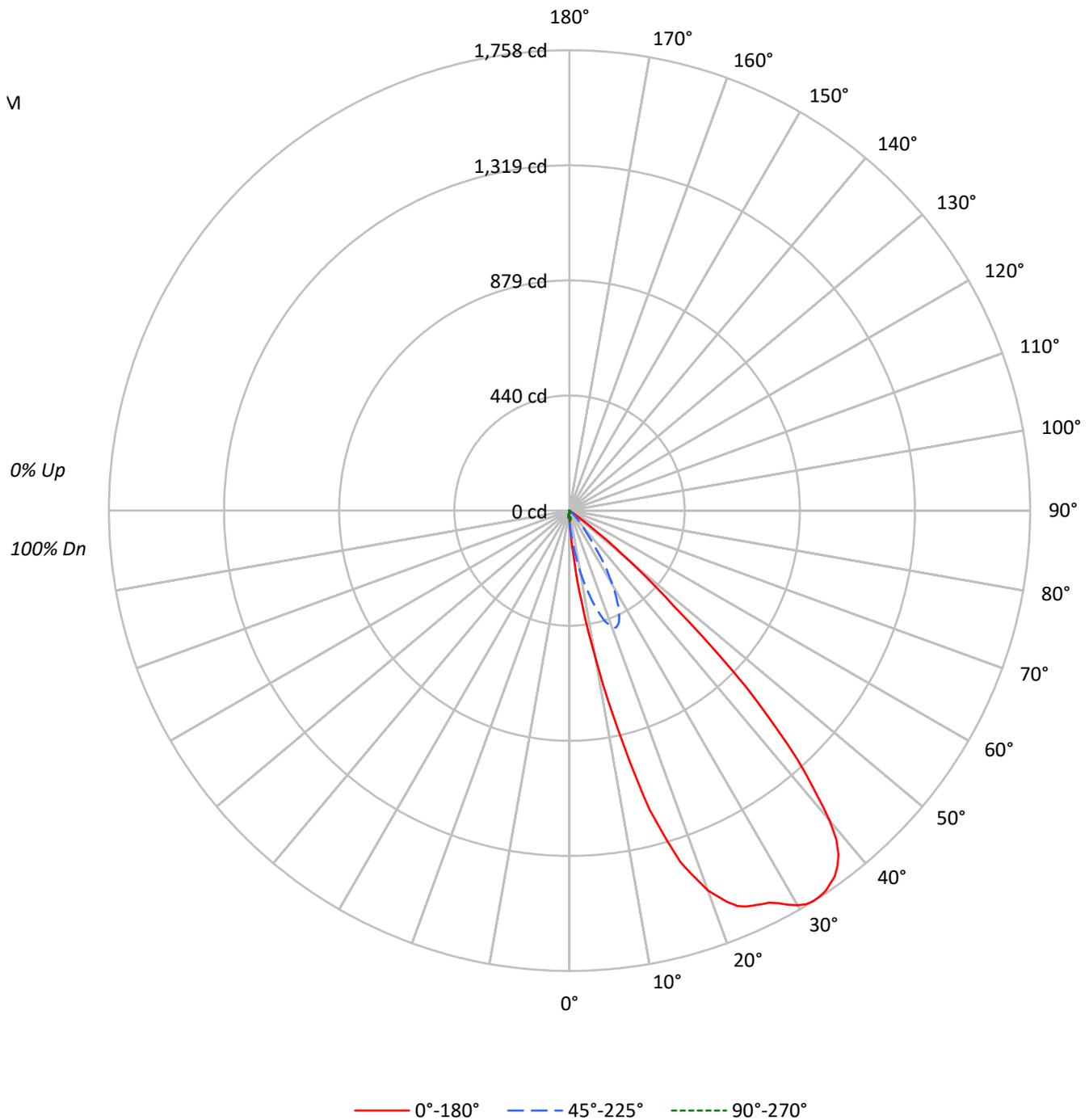
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 525.0 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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





TEST NUMBER: P1308931

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|
| RF | 20 | | | | 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 | 93 | 91 | | | | 91 |
| 2 | 106 | 100 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 91 | 88 | 92 | 89 | 86 | 89 | 87 | 85 | 83 | | | | 83 |
| 3 | 99 | 91 | 86 | 81 | 97 | 90 | 85 | 80 | 87 | 83 | 79 | 85 | 81 | 78 | 82 | 79 | 76 | 75 | | | | 75 |
| 4 | 93 | 84 | 77 | 72 | 91 | 82 | 76 | 72 | 80 | 75 | 71 | 78 | 73 | 70 | 76 | 72 | 69 | 67 | | | | 67 |
| 5 | 86 | 76 | 70 | 64 | 85 | 75 | 69 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 61 | | | | 61 |
| 6 | 81 | 70 | 63 | 58 | 79 | 69 | 62 | 58 | 68 | 62 | 57 | 66 | 61 | 57 | 65 | 60 | 56 | 55 | | | | 55 |
| 7 | 75 | 64 | 57 | 52 | 74 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 60 | 55 | 51 | 49 | | | | 49 |
| 8 | 71 | 59 | 52 | 47 | 69 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 46 | 55 | 50 | 46 | 45 | | | | 45 |
| 9 | 66 | 54 | 47 | 43 | 65 | 54 | 47 | 43 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 40 | | | | 40 |
| 10 | 62 | 50 | 43 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 39 | 48 | 42 | 38 | 47 | 42 | 38 | 37 | | | | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0° | 6820 | 6820 | 6820 | 6820 | 6820 |
| 5° | 29614 | 18360 | 6327 | 2247 | 1556 |
| 10° | 99681 | 41429 | 4722 | 525 | 175 |
| 15° | 210927 | 67949 | 2942 | 0 | 0 |
| 20° | 282812 | 86836 | 1375 | 0 | 0 |
| 25° | 316071 | 85284 | 285 | 0 | 0 |
| 30° | 346026 | 65347 | 0 | 0 | 0 |
| 35° | 365175 | 35594 | 0 | 0 | 0 |
| 40° | 347146 | 15985 | 0 | 0 | 0 |
| 45° | 232989 | 7063 | 0 | 0 | 0 |
| 50° | 77834 | 670 | 0 | 0 | 0 |
| 55° | 4204 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 172 | 0 | 0 |
| 65° | 0 | 0 | 408 | 0 | 0 |
| 70° | 0 | 252 | 504 | 0 | 0 |
| 75° | 0 | 333 | 665 | 0 | 0 |
| 80° | 0 | 496 | 992 | 0 | 0 |
| 85° | 0 | 988 | 1976 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 232989 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 8.5 | 1.6 |
| 10°-20° | 72.8 | 13.9 |
| 20°-30° | 159.8 | 30.4 |
| 30°-40° | 184.9 | 35.2 |
| 40°-50° | 91.3 | 17.4 |
| 50°-60° | 6.8 | 1.3 |
| 60°-70° | 0.2 | 0.0 |
| 70°-80° | 0.4 | 0.1 |
| 80°-90° | 0.3 | 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° | 241.2 | 45.9 |
| 0°-40° | 426.0 | 81.2 |
| 0°-60° | 524.0 | 99.8 |
| 0°-90° | 525.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 525.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 40 | 40 | 40 | 40 | 40 | |
| 5° | 171 | 106 | 37 | 13 | 9 | 29 |
| 15° | 1183 | 381 | 16 | 0 | 0 | 334 |
| 25° | 1663 | 449 | 2 | 0 | 0 | 769 |
| 35° | 1737 | 169 | 0 | 0 | 0 | 1072 |
| 45° | 957 | 29 | 0 | 0 | 0 | 702 |
| 55° | 14 | 0 | 0 | 0 | 0 | 57 |
| 65° | 0 | 0 | 1 | 0 | 0 | 0 |
| 75° | 0 | 0 | 1 | 0 | 0 | 0 |
| 85° | 0 | 0 | 1 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|
| 0° | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 |
| 2.5° | 78.6 | 80.6 | 79.6 | 79.6 | 79.1 | 76.6 | 72.1 | 70.6 | 65.1 | 51.6 | 40.1 |
| 5° | 171.3 | 171.8 | 170.3 | 162.8 | 156.3 | 150.3 | 137.2 | 131.2 | 106.2 | 63.1 | 36.6 |
| 7.5° | 347.6 | 340.1 | 330.6 | 320.0 | 297.0 | 276.0 | 248.4 | 219.4 | 164.3 | 73.1 | 32.6 |
| 10° | 570.0 | 559.4 | 551.4 | 526.4 | 484.8 | 441.7 | 389.2 | 341.6 | 236.9 | 80.1 | 27.0 |
| 12.5° | 857.0 | 850.9 | 822.4 | 772.3 | 710.7 | 648.6 | 556.9 | 481.3 | 310.0 | 81.6 | 22.0 |
| 15° | 1183.0 | 1173.0 | 1129.4 | 1058.3 | 974.7 | 877.0 | 754.3 | 627.1 | 381.1 | 77.1 | 16.5 |
| 17.5° | 1405.9 | 1400.4 | 1362.8 | 1288.2 | 1192.0 | 1067.8 | 922.6 | 763.8 | 439.7 | 67.6 | 11.5 |
| 20° | 1543.1 | 1535.1 | 1500.0 | 1436.9 | 1336.3 | 1206.5 | 1034.3 | 850.9 | 473.8 | 55.6 | 7.5 |
| 21° | 1578.7 | 1570.7 | 1542.6 | 1477.0 | 1380.8 | 1241.6 | 1064.8 | 872.0 | 480.3 | 50.1 | 6.0 |
| 22° | 1612.2 | 1604.2 | 1574.7 | 1516.6 | 1421.4 | 1276.2 | 1088.8 | 888.0 | 479.3 | 45.6 | 4.5 |
| 23° | 1640.3 | 1631.8 | 1602.7 | 1549.1 | 1453.5 | 1306.7 | 1106.9 | 896.0 | 472.8 | 41.1 | 3.5 |
| 24° | 1654.8 | 1649.8 | 1623.8 | 1573.2 | 1479.5 | 1328.3 | 1119.4 | 899.0 | 464.8 | 36.6 | 2.5 |
| 25° | 1663.3 | 1657.3 | 1631.8 | 1585.2 | 1496.5 | 1345.3 | 1127.4 | 896.5 | 448.8 | 32.6 | 1.5 |
| 26° | 1672.3 | 1663.3 | 1634.3 | 1589.2 | 1505.6 | 1353.3 | 1127.9 | 890.0 | 431.7 | 29.0 | 0.5 |
| 27° | 1680.4 | 1671.8 | 1641.8 | 1592.2 | 1507.1 | 1350.8 | 1123.9 | 877.5 | 411.2 | 25.5 | 0.5 |
| 28° | 1697.9 | 1688.4 | 1653.8 | 1598.7 | 1508.6 | 1344.3 | 1111.4 | 860.5 | 384.2 | 22.5 | 0.0 |
| 29° | 1720.9 | 1710.9 | 1671.3 | 1614.2 | 1512.1 | 1337.3 | 1094.4 | 837.9 | 360.6 | 20.0 | 0.0 |
| 30° | 1740.0 | 1730.9 | 1694.4 | 1633.8 | 1521.1 | 1330.8 | 1074.3 | 807.4 | 328.6 | 17.0 | 0.0 |
| 31° | 1754.0 | 1745.0 | 1711.4 | 1650.3 | 1529.1 | 1324.7 | 1049.3 | 775.8 | 299.5 | 15.0 | 0.0 |
| 32° | 1757.5 | 1750.0 | 1718.4 | 1657.3 | 1529.1 | 1315.7 | 1026.2 | 740.3 | 271.0 | 12.5 | 0.0 |
| 33° | 1756.0 | 1748.5 | 1716.4 | 1652.3 | 1515.6 | 1294.2 | 998.2 | 697.7 | 238.4 | 11.0 | 0.0 |
| 34° | 1750.5 | 1741.5 | 1707.4 | 1636.3 | 1489.0 | 1257.6 | 957.6 | 655.1 | 204.3 | 9.0 | 0.0 |
| 35° | 1736.9 | 1728.9 | 1691.9 | 1606.2 | 1448.0 | 1202.0 | 903.5 | 606.0 | 169.3 | 7.5 | 0.0 |
| 36° | 1723.9 | 1711.9 | 1666.3 | 1569.2 | 1393.9 | 1144.9 | 838.9 | 549.4 | 139.2 | 6.0 | 0.0 |
| 37° | 1699.9 | 1682.9 | 1636.8 | 1515.6 | 1317.2 | 1064.3 | 765.3 | 487.3 | 116.7 | 4.5 | 0.0 |
| 38° | 1667.8 | 1644.8 | 1586.2 | 1453.5 | 1240.1 | 988.7 | 696.2 | 431.2 | 98.2 | 3.0 | 0.0 |
| 39° | 1618.2 | 1591.2 | 1511.6 | 1368.3 | 1151.0 | 901.0 | 617.0 | 371.6 | 83.6 | 2.0 | 0.0 |
| 40° | 1544.1 | 1518.6 | 1430.4 | 1267.1 | 1062.3 | 804.4 | 535.9 | 304.5 | 71.1 | 1.0 | 0.0 |
| 42.5° | 1285.7 | 1250.6 | 1148.4 | 986.2 | 785.3 | 578.5 | 354.6 | 169.3 | 47.1 | 0.0 | 0.0 |
| 45° | 956.6 | 925.6 | 825.4 | 677.6 | 523.4 | 354.1 | 189.8 | 99.7 | 29.0 | 0.0 | 0.0 |
| 47.5° | 540.4 | 536.9 | 471.8 | 389.2 | 292.0 | 188.3 | 96.2 | 60.1 | 12.5 | 0.0 | 0.0 |
| 50° | 290.5 | 272.5 | 234.9 | 178.3 | 121.7 | 82.1 | 52.1 | 33.1 | 2.5 | 0.0 | 0.0 |
| 52.5° | 106.2 | 102.7 | 86.1 | 71.6 | 55.1 | 37.6 | 26.5 | 14.5 | 0.0 | 0.0 | 0.0 |
| 55° | 14.0 | 13.0 | 13.5 | 14.5 | 15.0 | 13.0 | 8.5 | 3.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.5 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 1.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 1.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 1.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 1.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 1.0 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 1.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 1.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 1.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P1308931
 CATALOG NUMBER: LDSQA3D05R359030DE010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (continued):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 0° | 39.6 | 39.6 | 39.6 | 39.6 |
| 2.5° | 30.6 | 23.5 | 20.0 | 19.5 |
| 5° | 21.0 | 13.0 | 9.5 | 9.0 |
| 7.5° | 14.5 | 6.5 | 4.5 | 4.0 |
| 10° | 8.5 | 3.0 | 1.5 | 1.0 |
| 12.5° | 5.0 | 0.5 | 0.0 | 0.0 |
| 15° | 1.5 | 0.0 | 0.0 | 0.0 |
| 17.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 20° | 0.0 | 0.0 | 0.0 | 0.0 |
| 21° | 0.0 | 0.0 | 0.0 | 0.0 |
| 22° | 0.0 | 0.0 | 0.0 | 0.0 |
| 23° | 0.0 | 0.0 | 0.0 | 0.0 |
| 24° | 0.0 | 0.0 | 0.0 | 0.0 |
| 25° | 0.0 | 0.0 | 0.0 | 0.0 |
| 26° | 0.0 | 0.0 | 0.0 | 0.0 |
| 27° | 0.0 | 0.0 | 0.0 | 0.0 |
| 28° | 0.0 | 0.0 | 0.0 | 0.0 |
| 29° | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 0.0 | 0.0 | 0.0 | 0.0 |
| 31° | 0.0 | 0.0 | 0.0 | 0.0 |
| 32° | 0.0 | 0.0 | 0.0 | 0.0 |
| 33° | 0.0 | 0.0 | 0.0 | 0.0 |
| 34° | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 0.0 | 0.0 | 0.0 | 0.0 |
| 36° | 0.0 | 0.0 | 0.0 | 0.0 |
| 37° | 0.0 | 0.0 | 0.0 | 0.0 |
| 38° | 0.0 | 0.0 | 0.0 | 0.0 |
| 39° | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.5 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.5 | 0.0 | 0.0 | 0.0 |
| 70° | 0.5 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.5 | 0.0 | 0.0 | 0.0 |
| 75° | 0.5 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.5 | 0.0 | 0.0 | 0.0 |
| 80° | 0.5 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 82.5° | 0.5 | 0.0 | 0.0 | 0.0 |
| 85° | 0.5 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.5 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)