

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: P1306823

Luminaire Tested: LDSQA3D05R309024DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306823
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309024DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

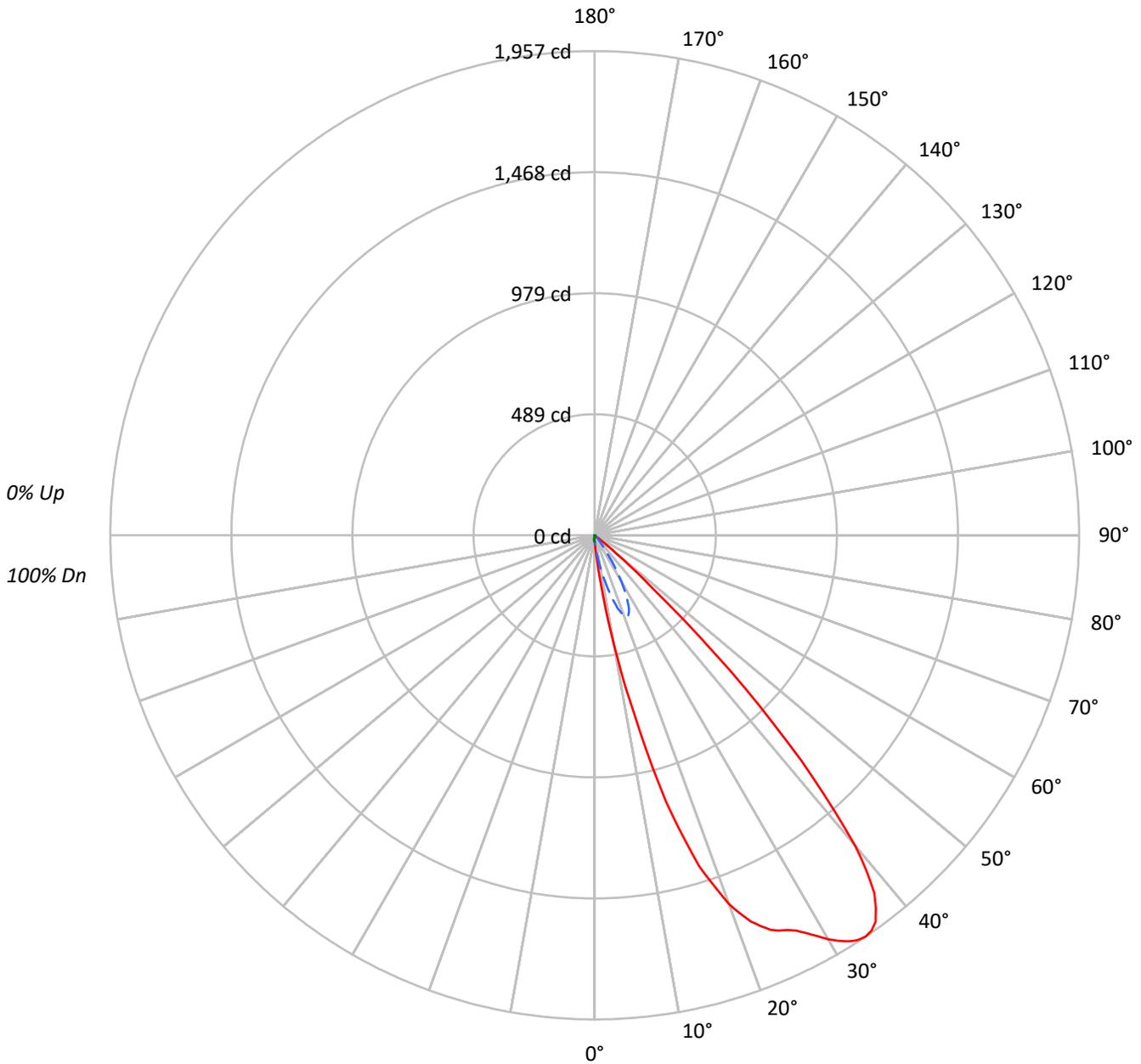
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 471.0 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
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 (A_{in}): 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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 95 | 93 | 92 |
| 2 | 106 | 100 | 96 | 92 | 104 | 98 | 94 | 91 | 95 | 92 | 89 | 92 | 89 | 87 | 89 | 87 | 85 | 83 |
| 3 | 99 | 92 | 86 | 81 | 97 | 90 | 85 | 81 | 88 | 83 | 79 | 85 | 81 | 78 | 83 | 80 | 77 | 75 |
| 4 | 93 | 84 | 78 | 73 | 91 | 83 | 77 | 72 | 81 | 75 | 71 | 78 | 74 | 70 | 76 | 73 | 70 | 68 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 70 | 65 | 74 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 61 |
| 6 | 81 | 71 | 64 | 58 | 80 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 61 | 57 | 65 | 61 | 57 | 55 |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 53 | 63 | 57 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 50 |
| 8 | 71 | 60 | 53 | 48 | 70 | 59 | 52 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 |
| 9 | 66 | 55 | 48 | 43 | 65 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 51 | 46 | 43 | 41 |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 48 | 43 | 39 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0° | 4340 | 4340 | 4340 | 4340 | 4340 |
| 5° | 15749 | 9785 | 3976 | 1608 | 1141 |
| 10° | 77909 | 23416 | 3095 | 315 | 0 |
| 15° | 198749 | 44610 | 1979 | 0 | 0 |
| 20° | 290418 | 63432 | 806 | 0 | 0 |
| 25° | 335055 | 62234 | 171 | 0 | 0 |
| 30° | 374981 | 42716 | 0 | 0 | 0 |
| 35° | 410104 | 18396 | 0 | 0 | 0 |
| 40° | 368076 | 7149 | 0 | 0 | 0 |
| 45° | 187955 | 2898 | 0 | 0 | 0 |
| 50° | 29017 | 348 | 0 | 0 | 0 |
| 55° | 1711 | 0 | 120 | 0 | 0 |
| 60° | 0 | 0 | 138 | 0 | 0 |
| 65° | 0 | 0 | 367 | 0 | 0 |
| 70° | 0 | 201 | 453 | 0 | 0 |
| 75° | 0 | 266 | 865 | 0 | 0 |
| 80° | 0 | 397 | 1289 | 0 | 0 |
| 85° | 0 | 790 | 2569 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 187955 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 5.3 | 1.1 |
| 10°-20° | 62.8 | 13.3 |
| 20°-30° | 155.1 | 32.9 |
| 30°-40° | 178.3 | 37.9 |
| 40°-50° | 66.2 | 14.0 |
| 50°-60° | 2.4 | 0.5 |
| 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° | 223.1 | 47.4 |
| 0°-40° | 401.5 | 85.2 |
| 0°-60° | 470.0 | 99.8 |
| 0°-90° | 471.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 471.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 25 | 25 | 25 | 25 | 25 | |
| 5° | 91 | 57 | 23 | 9 | 7 | 20 |
| 15° | 1115 | 250 | 11 | 0 | 0 | 320 |
| 25° | 1763 | 328 | 1 | 0 | 0 | 815 |
| 35° | 1951 | 88 | 0 | 0 | 0 | 1183 |
| 45° | 772 | 12 | 0 | 0 | 0 | 601 |
| 55° | 6 | 0 | 0 | 0 | 0 | 20 |
| 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° | 45° | 67.5° | 90° | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|--------|
| 0° | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| 2.5° | 44.6 | 45.1 | 45.1 | 43.8 | 43.3 | 42.9 | 41.5 | 37.6 | 31.4 | 25.2 | 20.3 |
| 5° | 91.1 | 91.5 | 91.5 | 88.8 | 83.5 | 78.2 | 73.8 | 56.6 | 36.2 | 23.0 | 15.0 |
| 7.5° | 214.8 | 215.3 | 206.0 | 195.4 | 174.2 | 163.1 | 142.8 | 87.1 | 41.1 | 20.8 | 9.7 |
| 10° | 445.5 | 435.8 | 411.5 | 380.6 | 347.9 | 305.4 | 262.6 | 133.9 | 44.6 | 17.7 | 6.2 |
| 12.5° | 744.8 | 735.5 | 704.1 | 659.9 | 595.8 | 512.7 | 431.4 | 188.3 | 45.1 | 14.1 | 3.5 |
| 15° | 1114.7 | 1088.7 | 1051.1 | 977.7 | 883.1 | 754.5 | 620.1 | 250.2 | 43.3 | 11.1 | 0.9 |
| 17.5° | 1401.6 | 1377.7 | 1330.0 | 1244.3 | 1126.7 | 983.9 | 819.0 | 309.0 | 38.5 | 7.1 | 0.0 |
| 20° | 1584.6 | 1559.4 | 1514.8 | 1439.2 | 1314.1 | 1146.6 | 957.8 | 346.1 | 31.8 | 4.4 | 0.0 |
| 21° | 1636.8 | 1612.4 | 1568.7 | 1493.5 | 1368.9 | 1201.8 | 991.9 | 354.0 | 28.7 | 3.5 | 0.0 |
| 22° | 1682.7 | 1663.7 | 1623.1 | 1541.3 | 1414.4 | 1242.5 | 1026.3 | 354.9 | 26.5 | 2.7 | 0.0 |
| 23° | 1715.0 | 1701.3 | 1660.6 | 1585.5 | 1459.1 | 1275.6 | 1044.9 | 349.6 | 23.9 | 1.8 | 0.0 |
| 24° | 1745.9 | 1729.1 | 1694.2 | 1624.4 | 1494.4 | 1303.5 | 1061.7 | 339.9 | 21.2 | 1.3 | 0.0 |
| 25° | 1763.2 | 1743.7 | 1716.8 | 1651.3 | 1523.6 | 1321.2 | 1071.9 | 327.5 | 18.6 | 0.9 | 0.0 |
| 26° | 1775.1 | 1760.1 | 1730.5 | 1667.3 | 1536.0 | 1332.7 | 1073.2 | 309.4 | 16.8 | 0.4 | 0.0 |
| 27° | 1793.2 | 1778.2 | 1749.5 | 1681.4 | 1541.3 | 1330.9 | 1065.2 | 288.6 | 14.6 | 0.0 | 0.0 |
| 28° | 1820.6 | 1800.7 | 1772.0 | 1696.4 | 1543.5 | 1323.4 | 1047.6 | 266.1 | 12.4 | 0.0 | 0.0 |
| 29° | 1852.0 | 1831.7 | 1800.3 | 1716.3 | 1543.9 | 1308.3 | 1019.7 | 241.3 | 11.1 | 0.0 | 0.0 |
| 30° | 1885.6 | 1867.9 | 1836.1 | 1735.8 | 1548.8 | 1288.9 | 987.4 | 214.8 | 8.8 | 0.0 | 0.0 |
| 31° | 1912.1 | 1896.2 | 1862.2 | 1753.4 | 1552.8 | 1272.1 | 947.7 | 188.3 | 7.5 | 0.0 | 0.0 |
| 32° | 1935.1 | 1921.0 | 1879.0 | 1757.4 | 1544.8 | 1248.2 | 905.2 | 162.7 | 6.2 | 0.0 | 0.0 |
| 33° | 1951.0 | 1933.3 | 1884.3 | 1747.3 | 1521.8 | 1208.9 | 857.9 | 138.3 | 4.9 | 0.0 | 0.0 |
| 34° | 1956.8 | 1935.6 | 1876.3 | 1720.7 | 1475.4 | 1149.2 | 796.5 | 113.2 | 4.0 | 0.0 | 0.0 |
| 35° | 1950.6 | 1924.5 | 1847.6 | 1675.2 | 1412.7 | 1078.1 | 722.7 | 87.5 | 3.1 | 0.0 | 0.0 |
| 36° | 1930.7 | 1897.5 | 1806.5 | 1610.2 | 1322.9 | 994.1 | 648.9 | 68.1 | 2.2 | 0.0 | 0.0 |
| 37° | 1887.8 | 1851.1 | 1736.2 | 1524.5 | 1234.1 | 897.7 | 564.9 | 53.0 | 1.3 | 0.0 | 0.0 |
| 38° | 1835.2 | 1782.2 | 1642.5 | 1416.2 | 1119.2 | 789.4 | 481.8 | 43.8 | 0.9 | 0.0 | 0.0 |
| 39° | 1745.5 | 1687.1 | 1531.1 | 1291.5 | 1006.5 | 686.4 | 400.9 | 38.0 | 0.4 | 0.0 | 0.0 |
| 40° | 1637.2 | 1567.8 | 1403.8 | 1158.1 | 873.4 | 578.6 | 334.6 | 31.8 | 0.4 | 0.0 | 0.0 |
| 42.5° | 1235.0 | 1176.2 | 999.8 | 787.7 | 533.9 | 341.2 | 185.6 | 20.8 | 0.0 | 0.0 | 0.0 |
| 45° | 771.7 | 710.3 | 591.0 | 431.8 | 289.1 | 176.8 | 89.3 | 11.9 | 0.0 | 0.0 | 0.0 |
| 47.5° | 315.2 | 289.1 | 237.8 | 183.0 | 130.8 | 83.1 | 37.1 | 5.3 | 0.0 | 0.0 | 0.0 |
| 50° | 108.3 | 96.4 | 80.9 | 59.2 | 42.0 | 28.7 | 19.4 | 1.3 | 0.0 | 0.0 | 0.0 |
| 52.5° | 31.4 | 31.8 | 27.8 | 23.9 | 18.6 | 13.3 | 9.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 5.7 | 4.9 | 5.7 | 5.3 | 5.7 | 4.9 | 3.5 | 0.0 | 0.0 | 0.4 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.0 | 0.4 | 0.4 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.9 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.9 | 0.4 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.9 | 0.9 | 0.4 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.9 | 0.9 | 0.4 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.9 | 1.3 | 0.4 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.9 | 1.3 | 0.4 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.9 | 1.3 | 0.4 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.9 | 1.3 | 0.4 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|--------|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.9 | 1.3 | 0.4 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.9 | 1.3 | 0.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.9 | 1.3 | 0.4 |
| 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):

| | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0° | 25.2 | 25.2 | 25.2 |
| 2.5° | 16.4 | 14.6 | 13.7 |
| 5° | 9.3 | 7.1 | 6.6 |
| 7.5° | 4.9 | 3.1 | 2.7 |
| 10° | 1.8 | 0.4 | 0.0 |
| 12.5° | 0.0 | 0.0 | 0.0 |
| 15° | 0.0 | 0.0 | 0.0 |
| 17.5° | 0.0 | 0.0 | 0.0 |
| 20° | 0.0 | 0.0 | 0.0 |
| 21° | 0.0 | 0.0 | 0.0 |
| 22° | 0.0 | 0.0 | 0.0 |
| 23° | 0.0 | 0.0 | 0.0 |
| 24° | 0.0 | 0.0 | 0.0 |
| 25° | 0.0 | 0.0 | 0.0 |
| 26° | 0.0 | 0.0 | 0.0 |
| 27° | 0.0 | 0.0 | 0.0 |
| 28° | 0.0 | 0.0 | 0.0 |
| 29° | 0.0 | 0.0 | 0.0 |
| 30° | 0.0 | 0.0 | 0.0 |
| 31° | 0.0 | 0.0 | 0.0 |
| 32° | 0.0 | 0.0 | 0.0 |
| 33° | 0.0 | 0.0 | 0.0 |
| 34° | 0.0 | 0.0 | 0.0 |
| 35° | 0.0 | 0.0 | 0.0 |
| 36° | 0.0 | 0.0 | 0.0 |
| 37° | 0.0 | 0.0 | 0.0 |
| 38° | 0.0 | 0.0 | 0.0 |
| 39° | 0.0 | 0.0 | 0.0 |
| 40° | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 |



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

(END OF REPORT)