

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: P1318710

Luminaire Tested: LDSQA3D20R609830D010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R609830D010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

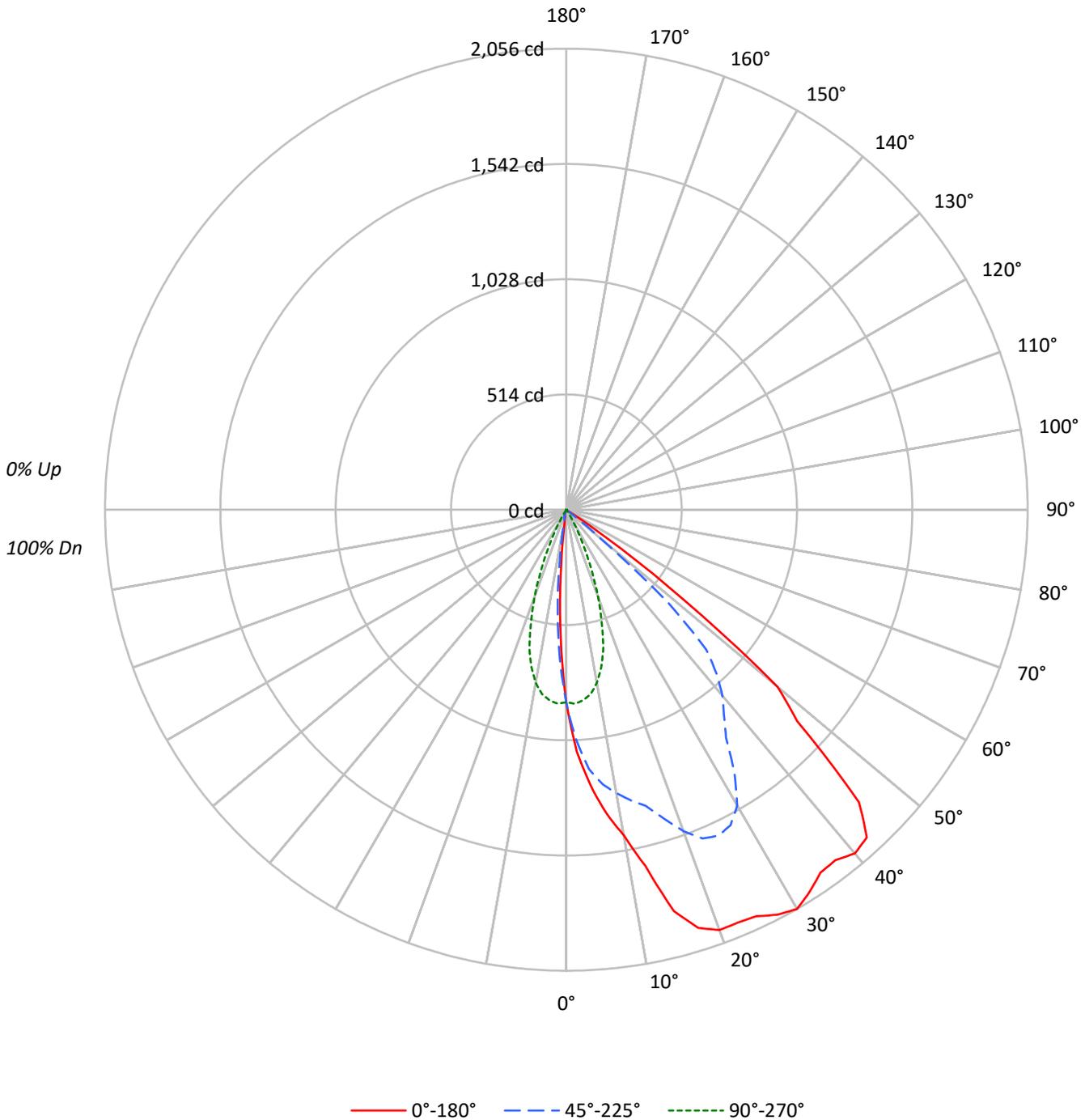
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1395.0 lumens
Efficiency: N/A
Efficacy: 50.9 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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





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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 | 102 | 102 | 102 | 100 |
| 1 | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 96 | 94 | 93 | 91 |
| 2 | 105 | 100 | 95 | 91 | 103 | 98 | 93 | 90 | 94 | 91 | 88 | 91 | 88 | 86 | 89 | 86 | 84 | 82 | 86 | 84 | 82 |
| 3 | 99 | 91 | 85 | 80 | 96 | 89 | 84 | 79 | 87 | 82 | 78 | 84 | 80 | 77 | 82 | 78 | 76 | 74 | 78 | 76 | 74 |
| 4 | 92 | 83 | 76 | 71 | 90 | 82 | 75 | 71 | 79 | 74 | 70 | 77 | 73 | 69 | 75 | 71 | 68 | 66 | 71 | 68 | 66 |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 68 | 63 | 73 | 67 | 63 | 71 | 66 | 62 | 69 | 65 | 61 | 60 | 62 | 61 | 60 |
| 6 | 80 | 69 | 62 | 57 | 79 | 69 | 62 | 57 | 67 | 61 | 56 | 65 | 60 | 56 | 64 | 59 | 56 | 54 | 56 | 56 | 54 |
| 7 | 75 | 64 | 57 | 52 | 74 | 63 | 56 | 51 | 62 | 56 | 51 | 60 | 55 | 51 | 59 | 54 | 50 | 49 | 51 | 50 | 49 |
| 8 | 70 | 59 | 52 | 47 | 69 | 58 | 51 | 47 | 57 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 44 | 46 | 46 | 44 |
| 9 | 66 | 55 | 47 | 43 | 65 | 54 | 47 | 43 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 40 | 42 | 42 | 40 |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 48 | 42 | 39 | 37 | 39 | 39 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|--------|--------|--------|
| 0° | 147819 | 147819 | 147819 | 147819 | 147819 |
| 5° | 213075 | 200662 | 147588 | 76033 | 48839 |
| 10° | 257737 | 224353 | 137018 | 9076 | 5334 |
| 15° | 330297 | 243716 | 113540 | 5991 | 4903 |
| 20° | 365543 | 279349 | 76133 | 3354 | 568 |
| 25° | 380167 | 304727 | 37435 | 285 | 0 |
| 30° | 408788 | 302793 | 10321 | 0 | 0 |
| 35° | 415171 | 260725 | 0 | 0 | 0 |
| 40° | 449776 | 243099 | 0 | 0 | 0 |
| 45° | 449343 | 214625 | 0 | 0 | 0 |
| 50° | 328992 | 51979 | 0 | 0 | 0 |
| 55° | 64196 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 611 | 611 | 0 | 0 |
| 70° | 0 | 755 | 755 | 0 | 0 |
| 75° | 0 | 998 | 998 | 0 | 0 |
| 80° | 0 | 1488 | 1488 | 1488 | 0 |
| 85° | 0 | 2964 | 2964 | 2964 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 450074 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 73.7 | 5.3 |
| 10°-20° | 209.9 | 15.0 |
| 20°-30° | 334.5 | 24.0 |
| 30°-40° | 386.7 | 27.7 |
| 40°-50° | 307.1 | 22.0 |
| 50°-60° | 80.8 | 5.8 |
| 60°-70° | 0.6 | 0.0 |
| 70°-80° | 0.8 | 0.1 |
| 80°-90° | 0.9 | 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° | 618.1 | 44.3 |
| 0°-40° | 1004.8 | 72.0 |
| 0°-60° | 1392.7 | 99.8 |
| 0°-90° | 1395.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1395.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0° | 858 | 858 | 858 | 858 | 858 | |
| 5° | 1232 | 1161 | 854 | 440 | 282 | 124 |
| 15° | 1852 | 1367 | 637 | 34 | 28 | 516 |
| 25° | 2001 | 1604 | 197 | 2 | 0 | 933 |
| 35° | 1975 | 1240 | 0 | 0 | 0 | 1254 |
| 45° | 1845 | 881 | 0 | 0 | 0 | 1314 |
| 55° | 214 | 0 | 0 | 0 | 0 | 322 |
| 65° | 0 | 2 | 2 | 0 | 0 | 0 |
| 75° | 0 | 2 | 2 | 0 | 0 | 0 |
| 85° | 0 | 2 | 2 | 2 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1318710
 CATALOG NUMBER: LDSQA3D20R609830D010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 858.3 | 858.3 | 858.3 | 858.3 | 858.3 | 858.3 | 858.3 | 858.3 | 858.3 | 858.3 | 858.3 |
| 2.5° | 1079.7 | 1090.4 | 1085.8 | 1081.3 | 1070.6 | 1066.0 | 1066.0 | 1053.8 | 1033.9 | 1030.9 | 1017.1 |
| 5° | 1232.5 | 1235.5 | 1235.5 | 1232.5 | 1224.8 | 1212.6 | 1209.6 | 1197.3 | 1179.0 | 1160.7 | 1142.4 |
| 7.5° | 1365.3 | 1363.8 | 1354.6 | 1348.5 | 1334.8 | 1318.0 | 1302.7 | 1285.9 | 1258.4 | 1234.0 | 1208.0 |
| 10° | 1473.8 | 1478.3 | 1470.7 | 1455.4 | 1437.1 | 1414.2 | 1389.8 | 1360.7 | 1319.5 | 1282.9 | 1249.3 |
| 12.5° | 1626.5 | 1625.0 | 1605.1 | 1579.1 | 1534.8 | 1492.1 | 1453.9 | 1421.8 | 1371.4 | 1327.1 | 1285.9 |
| 15° | 1852.5 | 1849.5 | 1831.1 | 1808.2 | 1744.1 | 1679.9 | 1614.3 | 1524.2 | 1440.2 | 1366.9 | 1308.8 |
| 17.5° | 1954.8 | 1960.9 | 1945.7 | 1933.5 | 1896.8 | 1854.0 | 1796.0 | 1705.9 | 1576.1 | 1443.2 | 1321.0 |
| 20° | 1994.5 | 2002.2 | 1991.5 | 1990.0 | 1973.2 | 1953.3 | 1906.0 | 1808.2 | 1681.5 | 1524.2 | 1373.0 |
| 22.5° | 1993.0 | 1999.1 | 1994.5 | 2014.4 | 2034.2 | 2023.6 | 1965.5 | 1867.8 | 1738.0 | 1586.8 | 1415.7 |
| 25° | 2000.6 | 1996.1 | 1979.3 | 2008.3 | 2037.3 | 2028.1 | 1999.1 | 1915.1 | 1773.1 | 1603.6 | 1431.0 |
| 27.5° | 2035.8 | 2002.2 | 1968.6 | 2005.2 | 2019.0 | 2022.0 | 2005.2 | 1906.0 | 1767.0 | 1585.2 | 1400.5 |
| 30° | 2055.6 | 2019.0 | 1991.5 | 2022.0 | 2022.0 | 2038.8 | 2003.7 | 1890.7 | 1715.1 | 1522.6 | 1319.5 |
| 32.5° | 2019.0 | 2011.3 | 2035.8 | 2066.3 | 2074.0 | 2074.0 | 1996.1 | 1840.3 | 1628.0 | 1394.3 | 1189.7 |
| 35° | 1974.7 | 1993.0 | 2063.3 | 2077.0 | 2077.0 | 2043.4 | 1948.7 | 1751.7 | 1498.2 | 1240.1 | 1093.5 |
| 37.5° | 1970.1 | 1999.1 | 2077.0 | 2060.2 | 2032.7 | 1970.1 | 1832.7 | 1597.5 | 1313.4 | 1153.0 | 1021.7 |
| 40° | 2000.6 | 2028.1 | 2074.0 | 2012.9 | 1947.2 | 1849.5 | 1684.5 | 1395.9 | 1201.9 | 1081.3 | 934.7 |
| 42.5° | 1982.3 | 2008.3 | 2009.8 | 1919.7 | 1826.5 | 1693.7 | 1475.3 | 1232.5 | 1121.0 | 989.6 | 835.4 |
| 45° | 1844.9 | 1847.9 | 1841.8 | 1745.6 | 1649.4 | 1511.9 | 1279.8 | 1151.5 | 1032.4 | 881.2 | 613.9 |
| 47.5° | 1394.3 | 1388.2 | 1411.1 | 1383.7 | 1388.2 | 1305.8 | 1162.2 | 1056.8 | 914.8 | 618.5 | 186.3 |
| 50° | 1227.9 | 1220.2 | 1197.3 | 1172.9 | 1148.5 | 1108.8 | 1041.6 | 928.5 | 659.8 | 194.0 | 6.1 |
| 52.5° | 658.2 | 694.9 | 766.7 | 876.6 | 917.9 | 914.8 | 864.4 | 687.2 | 207.7 | 1.5 | 0.0 |
| 55° | 213.8 | 210.8 | 235.2 | 278.0 | 381.8 | 439.8 | 458.2 | 233.7 | 4.6 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 4.6 | 15.3 | 39.7 | 51.9 | 3.1 | 0.0 | 1.5 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 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):

| | 55° | 60° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|--------|--------|--------|-------|--------|-------|--------|-------|
| 0° | 858.3 | 858.3 | 858.3 | 858.3 | 858.3 | 858.3 | 858.3 | 858.3 |
| 2.5° | 998.8 | 977.4 | 953.0 | 865.9 | 763.6 | 664.3 | 592.6 | 574.2 |
| 5° | 1113.3 | 1076.7 | 1024.8 | 853.7 | 630.7 | 439.8 | 314.6 | 282.5 |
| 7.5° | 1172.9 | 1140.8 | 1085.8 | 829.3 | 488.7 | 216.9 | 80.9 | 55.0 |
| 10° | 1209.6 | 1171.4 | 1110.3 | 783.5 | 319.2 | 51.9 | 29.0 | 30.5 |
| 12.5° | 1235.5 | 1191.2 | 1122.5 | 717.8 | 161.9 | 26.0 | 36.7 | 38.2 |
| 15° | 1246.2 | 1198.9 | 1121.0 | 636.8 | 58.0 | 33.6 | 32.1 | 27.5 |
| 17.5° | 1240.1 | 1180.5 | 1101.1 | 520.8 | 19.9 | 32.1 | 16.8 | 13.7 |
| 20° | 1232.5 | 1165.3 | 1069.0 | 415.4 | 16.8 | 18.3 | 6.1 | 3.1 |
| 22.5° | 1256.9 | 1139.3 | 1024.8 | 297.8 | 16.8 | 6.1 | 0.0 | 0.0 |
| 25° | 1259.9 | 1128.6 | 968.3 | 197.0 | 7.6 | 1.5 | 0.0 | 0.0 |
| 27.5° | 1229.4 | 1066.0 | 881.2 | 116.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 1131.7 | 988.1 | 788.0 | 51.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 1035.4 | 901.1 | 684.2 | 12.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 959.1 | 810.9 | 569.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 864.4 | 704.0 | 424.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 765.1 | 568.1 | 212.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 597.1 | 270.3 | 21.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 229.1 | 24.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 12.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 |
| 70° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 |
| 72.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 |
| 75° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 |
| 77.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 |
| 80° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 |
| 82.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 |
| 85° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 |
| 87.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)