

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: P1310875

Luminaire Tested: LDSQA3D24R609035D010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310875
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: LDSQA3D24R609035D010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

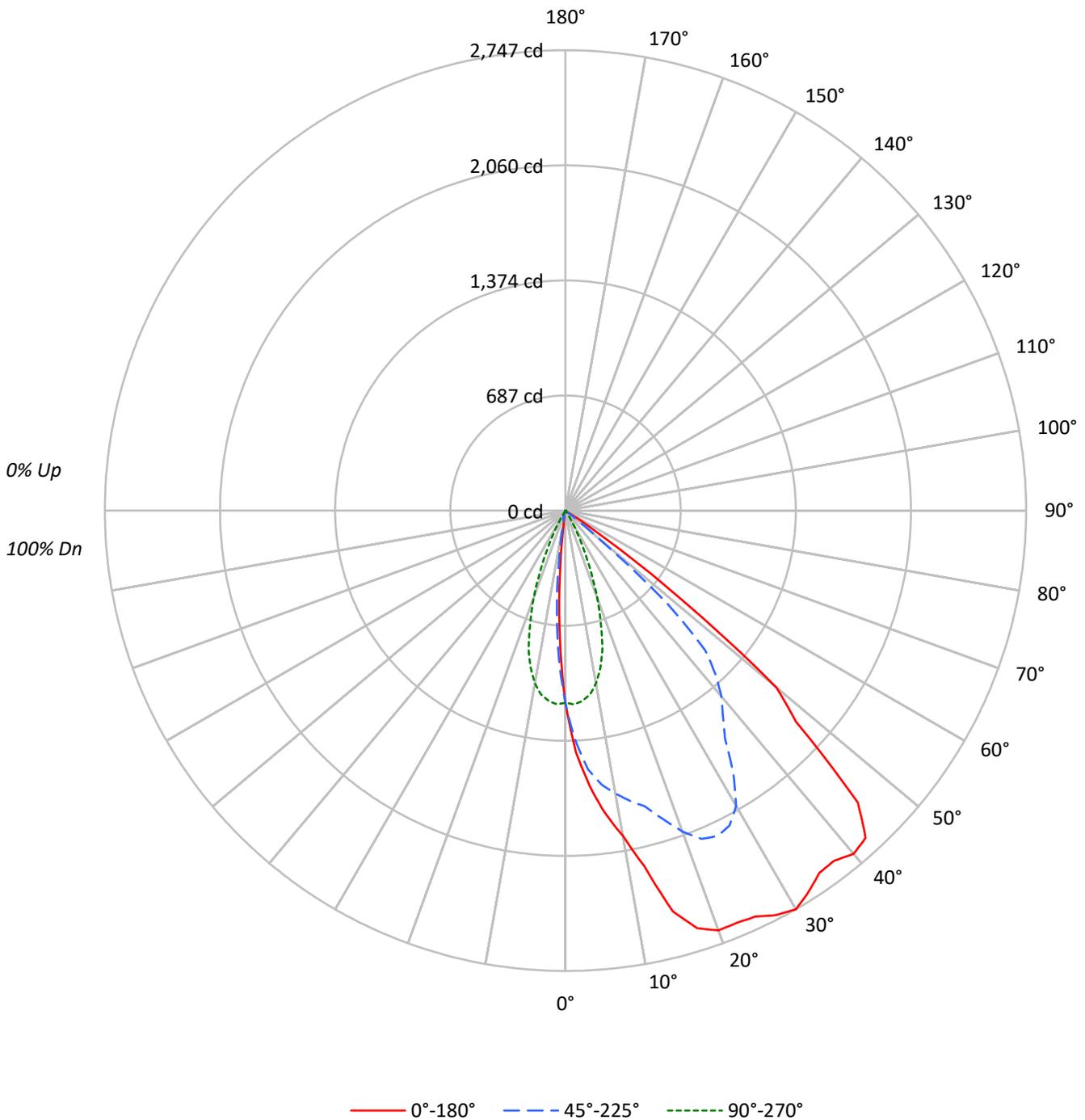
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1863.9 lumens
Efficiency: N/A
Efficacy: 64.7 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): 28.8
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

TEST NUMBER: P1310875
CATALOG NUMBER: LDSQA3D24R609035D010 3LSQCA30R 1MB

Luminous Intensity Polar Plot





TEST NUMBER: P1310875

CATALOG NUMBER: LDSQA3D24R609035D010 3LSQCA30R 1MB

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|--------|--------|--------|
| 0° | 197522 | 197522 | 197522 | 197522 | 197522 |
| 5° | 284700 | 268120 | 197205 | 101602 | 65262 |
| 10° | 344373 | 299778 | 183081 | 12137 | 7135 |
| 15° | 441341 | 325643 | 151732 | 8006 | 6544 |
| 20° | 488448 | 373259 | 101736 | 4490 | 751 |
| 25° | 507998 | 407170 | 50015 | 380 | 0 |
| 30° | 546224 | 404592 | 13801 | 0 | 0 |
| 35° | 554753 | 348376 | 0 | 0 | 0 |
| 40° | 601013 | 324821 | 0 | 0 | 0 |
| 45° | 600399 | 286791 | 0 | 0 | 0 |
| 50° | 439594 | 69448 | 0 | 0 | 0 |
| 55° | 85785 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 815 | 815 | 0 | 0 |
| 70° | 0 | 1007 | 1007 | 0 | 0 |
| 75° | 0 | 1331 | 1331 | 0 | 0 |
| 80° | 0 | 1984 | 1984 | 1984 | 0 |
| 85° | 0 | 3952 | 3952 | 3952 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 601397 cd/sqm



TEST NUMBER: P1310875

CATALOG NUMBER: LDSQA3D24R609035D010 3LSQCA30R 1MB

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 98.5 | 5.3 |
| 10°-20° | 280.5 | 15.0 |
| 20°-30° | 447.0 | 24.0 |
| 30°-40° | 516.7 | 27.7 |
| 40°-50° | 410.3 | 22.0 |
| 50°-60° | 108.0 | 5.8 |
| 60°-70° | 0.7 | 0.0 |
| 70°-80° | 1.1 | 0.1 |
| 80°-90° | 1.2 | 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° | 825.9 | 44.3 |
| 0°-40° | 1342.6 | 72.0 |
| 0°-60° | 1860.9 | 99.8 |
| 0°-90° | 1863.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1863.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1147 | 1147 | 1147 | 1147 | 1147 | |
| 5° | 1647 | 1551 | 1141 | 588 | 378 | 166 |
| 15° | 2475 | 1826 | 851 | 45 | 37 | 690 |
| 25° | 2673 | 2143 | 263 | 2 | 0 | 1247 |
| 35° | 2639 | 1657 | 0 | 0 | 0 | 1676 |
| 45° | 2465 | 1178 | 0 | 0 | 0 | 1755 |
| 55° | 286 | 0 | 0 | 0 | 0 | 431 |
| 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: P1310875
 CATALOG NUMBER: LDSQA3D24R609035D010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1146.9 | 1146.9 | 1146.9 | 1146.9 | 1146.9 | 1146.9 | 1146.9 | 1146.9 | 1146.9 | 1146.9 | 1146.9 |
| 2.5° | 1442.7 | 1457.0 | 1450.9 | 1444.8 | 1430.5 | 1424.4 | 1424.4 | 1408.1 | 1381.5 | 1377.4 | 1359.1 |
| 5° | 1646.8 | 1650.9 | 1650.9 | 1646.8 | 1636.6 | 1620.3 | 1616.2 | 1599.9 | 1575.4 | 1550.9 | 1526.4 |
| 7.5° | 1824.4 | 1822.3 | 1810.1 | 1801.9 | 1783.5 | 1761.1 | 1740.7 | 1718.2 | 1681.5 | 1648.9 | 1614.2 |
| 10° | 1969.2 | 1975.4 | 1965.2 | 1944.8 | 1920.3 | 1889.7 | 1857.0 | 1818.2 | 1763.1 | 1714.2 | 1669.3 |
| 12.5° | 2173.3 | 2171.3 | 2144.7 | 2110.0 | 2050.9 | 1993.7 | 1942.7 | 1899.9 | 1832.5 | 1773.3 | 1718.2 |
| 15° | 2475.3 | 2471.2 | 2446.8 | 2416.1 | 2330.4 | 2244.7 | 2157.0 | 2036.6 | 1924.3 | 1826.4 | 1748.8 |
| 17.5° | 2612.0 | 2620.2 | 2599.8 | 2583.5 | 2534.5 | 2477.4 | 2399.8 | 2279.4 | 2106.0 | 1928.4 | 1765.2 |
| 20° | 2665.1 | 2675.3 | 2661.0 | 2659.0 | 2636.5 | 2610.0 | 2546.7 | 2416.1 | 2246.8 | 2036.6 | 1834.6 |
| 22.5° | 2663.1 | 2671.2 | 2665.1 | 2691.6 | 2718.2 | 2703.9 | 2626.3 | 2495.7 | 2322.3 | 2120.2 | 1891.7 |
| 25° | 2673.3 | 2667.1 | 2644.7 | 2683.5 | 2722.2 | 2710.0 | 2671.2 | 2559.0 | 2369.2 | 2142.7 | 1912.1 |
| 27.5° | 2720.2 | 2675.3 | 2630.4 | 2679.4 | 2697.8 | 2701.8 | 2679.4 | 2546.7 | 2361.0 | 2118.2 | 1871.3 |
| 30° | 2746.7 | 2697.8 | 2661.0 | 2701.8 | 2701.8 | 2724.3 | 2677.3 | 2526.3 | 2291.7 | 2034.5 | 1763.1 |
| 32.5° | 2697.8 | 2687.6 | 2720.2 | 2761.0 | 2771.2 | 2771.2 | 2667.1 | 2459.0 | 2175.3 | 1863.1 | 1589.7 |
| 35° | 2638.6 | 2663.1 | 2756.9 | 2775.3 | 2775.3 | 2730.4 | 2603.9 | 2340.6 | 2001.9 | 1657.0 | 1461.1 |
| 37.5° | 2632.5 | 2671.2 | 2775.3 | 2752.9 | 2716.1 | 2632.5 | 2448.8 | 2134.5 | 1755.0 | 1540.7 | 1365.2 |
| 40° | 2673.3 | 2710.0 | 2771.2 | 2689.6 | 2601.8 | 2471.2 | 2250.8 | 1865.2 | 1606.0 | 1444.8 | 1248.9 |
| 42.5° | 2648.8 | 2683.5 | 2685.5 | 2565.1 | 2440.6 | 2263.1 | 1971.3 | 1646.8 | 1497.8 | 1322.3 | 1116.2 |
| 45° | 2465.1 | 2469.2 | 2461.0 | 2332.5 | 2203.9 | 2020.3 | 1710.1 | 1538.7 | 1379.5 | 1177.5 | 820.3 |
| 47.5° | 1863.1 | 1855.0 | 1885.6 | 1848.8 | 1855.0 | 1744.8 | 1552.9 | 1412.1 | 1222.4 | 826.5 | 249.0 |
| 50° | 1640.7 | 1630.5 | 1599.9 | 1567.2 | 1534.6 | 1481.5 | 1391.7 | 1240.7 | 881.6 | 259.2 | 8.2 |
| 52.5° | 879.5 | 928.5 | 1024.4 | 1171.3 | 1226.4 | 1222.4 | 1155.0 | 918.3 | 277.5 | 2.0 | 0.0 |
| 55° | 285.7 | 281.6 | 314.3 | 371.4 | 510.2 | 587.7 | 612.2 | 312.2 | 6.1 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 6.1 | 20.4 | 53.1 | 69.4 | 4.1 | 0.0 | 2.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 2.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 2.0 | 2.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 2.0 | 2.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 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: P1310875
 CATALOG NUMBER: LDSQA3D24R609035D010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1146.9 | 1146.9 | 1146.9 | 1146.9 | 1146.9 | 1146.9 | 1146.9 | 1146.9 |
| 2.5° | 1334.6 | 1306.0 | 1273.4 | 1157.1 | 1020.3 | 887.7 | 791.8 | 767.3 |
| 5° | 1487.6 | 1438.7 | 1369.3 | 1140.7 | 842.8 | 587.7 | 420.4 | 377.5 |
| 7.5° | 1567.2 | 1524.4 | 1450.9 | 1108.1 | 653.0 | 289.8 | 108.2 | 73.5 |
| 10° | 1616.2 | 1565.2 | 1483.6 | 1046.9 | 426.5 | 69.4 | 38.8 | 40.8 |
| 12.5° | 1650.9 | 1591.7 | 1499.9 | 959.1 | 216.3 | 34.7 | 49.0 | 51.0 |
| 15° | 1665.2 | 1601.9 | 1497.8 | 851.0 | 77.5 | 44.9 | 42.9 | 36.7 |
| 17.5° | 1657.0 | 1577.4 | 1471.3 | 695.9 | 26.5 | 42.9 | 22.4 | 18.4 |
| 20° | 1646.8 | 1557.0 | 1428.5 | 555.1 | 22.4 | 24.5 | 8.2 | 4.1 |
| 22.5° | 1679.5 | 1522.3 | 1369.3 | 397.9 | 22.4 | 8.2 | 0.0 | 0.0 |
| 25° | 1683.5 | 1508.0 | 1293.8 | 263.2 | 10.2 | 2.0 | 0.0 | 0.0 |
| 27.5° | 1642.7 | 1424.4 | 1177.5 | 155.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 1512.1 | 1320.3 | 1053.0 | 69.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 1383.6 | 1204.0 | 914.2 | 16.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 1281.5 | 1083.6 | 761.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 1155.0 | 940.7 | 567.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 1022.4 | 759.1 | 283.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 797.9 | 361.2 | 28.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 306.1 | 32.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 16.3 | 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° | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 2.0 | 2.0 | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 2.0 | 2.0 | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 |
| 70° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 |
| 75° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 |
| 80° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 0.0 | 0.0 |
| 82.5° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 |
| 85° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 0.0 | 0.0 |
| 87.5° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)