

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: P1313070

Luminaire Tested: LDSQA3D24R609050D010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313070
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: LDSQA3D24R609050D010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

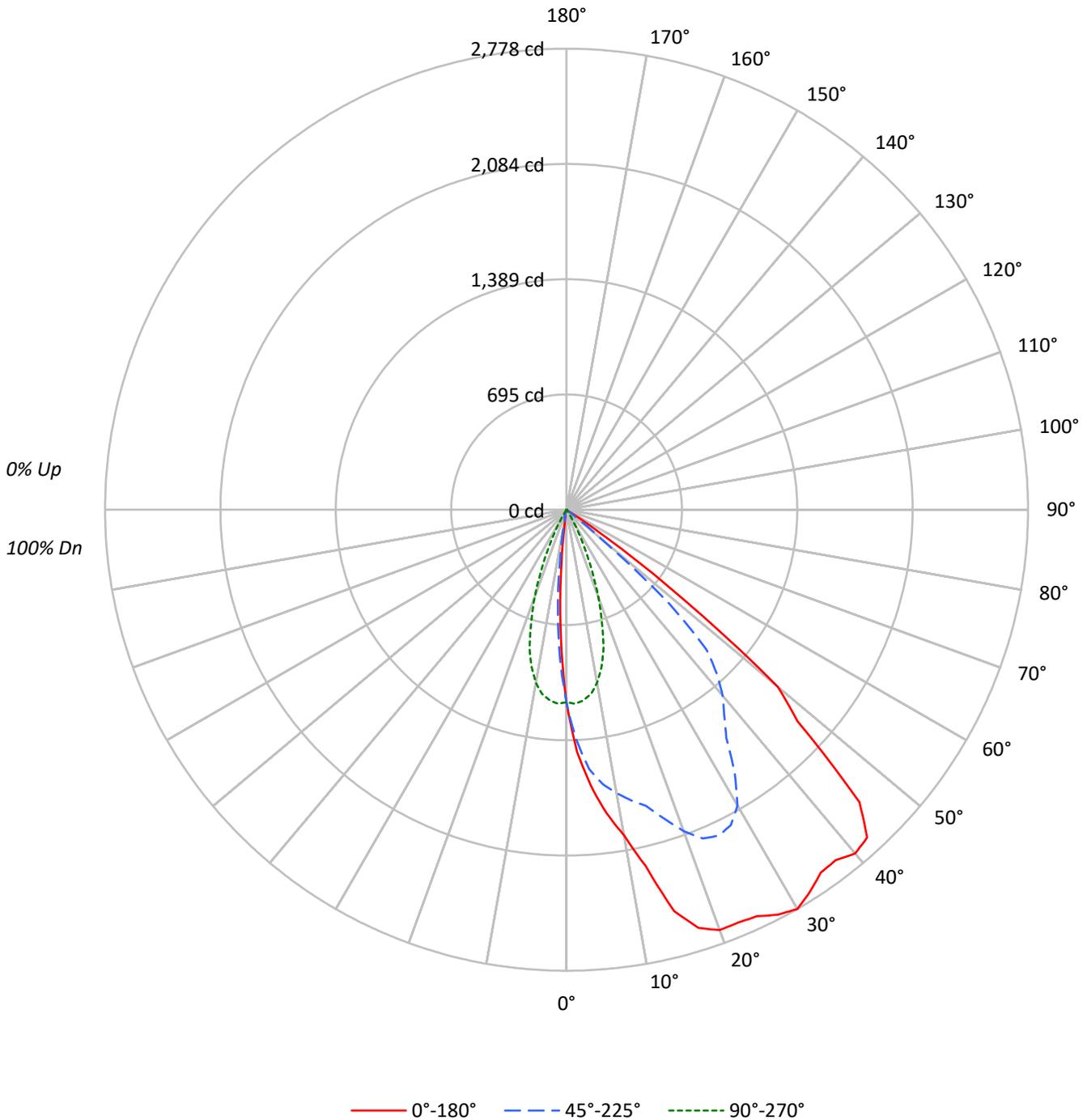
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1885.1 lumens
Efficiency: N/A
Efficacy: 65.5 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

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Luminous Intensity Polar Plot





TEST NUMBER: P1313070

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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 | 89 | 86 | 84 | 82 |
| 3 | 99 | 91 | 85 | 80 | 96 | 89 | 84 | 79 | 87 | 82 | 78 | 84 | 80 | 77 | 82 | 78 | 76 | 82 | 78 | 76 | 74 |
| 4 | 92 | 83 | 76 | 71 | 90 | 82 | 75 | 71 | 79 | 74 | 70 | 77 | 73 | 69 | 75 | 71 | 68 | 75 | 71 | 68 | 66 |
| 5 | 86 | 76 | 69 | 63 | 84 | 75 | 68 | 63 | 73 | 67 | 63 | 71 | 66 | 62 | 69 | 65 | 61 | 69 | 65 | 61 | 60 |
| 6 | 80 | 69 | 62 | 57 | 79 | 69 | 62 | 57 | 67 | 61 | 56 | 65 | 60 | 56 | 64 | 59 | 56 | 64 | 59 | 56 | 54 |
| 7 | 75 | 64 | 57 | 52 | 74 | 63 | 56 | 51 | 62 | 56 | 51 | 60 | 55 | 51 | 59 | 54 | 50 | 59 | 54 | 50 | 49 |
| 8 | 70 | 59 | 52 | 47 | 69 | 58 | 51 | 47 | 57 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 55 | 50 | 46 | 44 |
| 9 | 66 | 55 | 47 | 43 | 65 | 54 | 47 | 43 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 51 | 46 | 42 | 40 |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 48 | 42 | 39 | 48 | 42 | 39 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|--------|--------|--------|
| 0° | 199744 | 199744 | 199744 | 199744 | 199744 |
| 5° | 287915 | 271146 | 199435 | 102743 | 66006 |
| 10° | 348255 | 303154 | 185145 | 12277 | 7223 |
| 15° | 446316 | 329316 | 153425 | 8095 | 6615 |
| 20° | 493946 | 377456 | 102873 | 4545 | 751 |
| 25° | 513718 | 411750 | 50585 | 399 | 0 |
| 30° | 552389 | 409166 | 13960 | 0 | 0 |
| 35° | 560997 | 352308 | 0 | 0 | 0 |
| 40° | 607780 | 328486 | 0 | 0 | 0 |
| 45° | 607170 | 290006 | 0 | 0 | 0 |
| 50° | 444551 | 70225 | 0 | 0 | 0 |
| 55° | 86745 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 856 | 856 | 0 | 0 |
| 70° | 0 | 1057 | 1057 | 0 | 0 |
| 75° | 0 | 1397 | 1397 | 0 | 0 |
| 80° | 0 | 2083 | 2083 | 2083 | 0 |
| 85° | 0 | 4150 | 4150 | 4150 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 608168 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 99.6 | 5.3 |
| 10°-20° | 283.7 | 15.0 |
| 20°-30° | 452.0 | 24.0 |
| 30°-40° | 522.5 | 27.7 |
| 40°-50° | 415.0 | 22.0 |
| 50°-60° | 109.2 | 5.8 |
| 60°-70° | 0.8 | 0.0 |
| 70°-80° | 1.2 | 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° | 835.2 | 44.3 |
| 0°-40° | 1357.7 | 72.0 |
| 0°-60° | 1881.9 | 99.8 |
| 0°-90° | 1885.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1885.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1160 | 1160 | 1160 | 1160 | 1160 | |
| 5° | 1665 | 1568 | 1154 | 594 | 382 | 168 |
| 15° | 2503 | 1847 | 860 | 45 | 37 | 698 |
| 25° | 2703 | 2167 | 266 | 2 | 0 | 1261 |
| 35° | 2668 | 1676 | 0 | 0 | 0 | 1695 |
| 45° | 2493 | 1191 | 0 | 0 | 0 | 1775 |
| 55° | 289 | 0 | 0 | 0 | 0 | 436 |
| 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 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1159.8 | 1159.8 | 1159.8 | 1159.8 | 1159.8 | 1159.8 | 1159.8 | 1159.8 | 1159.8 | 1159.8 | 1159.8 |
| 2.5° | 1459.0 | 1473.4 | 1467.3 | 1461.1 | 1446.6 | 1440.4 | 1440.4 | 1423.9 | 1397.1 | 1393.0 | 1374.4 |
| 5° | 1665.4 | 1669.5 | 1669.5 | 1665.4 | 1655.0 | 1638.5 | 1634.4 | 1617.9 | 1593.1 | 1568.4 | 1543.6 |
| 7.5° | 1844.9 | 1842.8 | 1830.5 | 1822.2 | 1803.6 | 1780.9 | 1760.3 | 1737.6 | 1700.4 | 1667.4 | 1632.3 |
| 10° | 1991.4 | 1997.6 | 1987.3 | 1966.7 | 1941.9 | 1910.9 | 1877.9 | 1838.7 | 1783.0 | 1733.5 | 1688.1 |
| 12.5° | 2197.8 | 2195.7 | 2168.9 | 2133.8 | 2074.0 | 2016.2 | 1964.6 | 1921.3 | 1853.2 | 1793.3 | 1737.6 |
| 15° | 2503.2 | 2499.1 | 2474.3 | 2443.4 | 2356.7 | 2270.0 | 2181.3 | 2059.5 | 1946.0 | 1847.0 | 1768.5 |
| 17.5° | 2641.5 | 2649.7 | 2629.1 | 2612.6 | 2563.1 | 2505.3 | 2426.9 | 2305.1 | 2129.7 | 1950.2 | 1785.1 |
| 20° | 2695.1 | 2705.4 | 2691.0 | 2688.9 | 2666.2 | 2639.4 | 2575.4 | 2443.4 | 2272.1 | 2059.5 | 1855.2 |
| 22.5° | 2693.1 | 2701.3 | 2695.1 | 2722.0 | 2748.8 | 2734.3 | 2655.9 | 2523.8 | 2348.4 | 2144.1 | 1913.0 |
| 25° | 2703.4 | 2697.2 | 2674.5 | 2713.7 | 2752.9 | 2740.5 | 2701.3 | 2587.8 | 2395.9 | 2166.8 | 1933.6 |
| 27.5° | 2750.8 | 2705.4 | 2660.0 | 2709.6 | 2728.1 | 2732.3 | 2709.6 | 2575.4 | 2387.6 | 2142.1 | 1892.4 |
| 30° | 2777.7 | 2728.1 | 2691.0 | 2732.3 | 2732.3 | 2755.0 | 2707.5 | 2554.8 | 2317.5 | 2057.5 | 1783.0 |
| 32.5° | 2728.1 | 2717.8 | 2750.8 | 2792.1 | 2802.4 | 2802.4 | 2697.2 | 2486.7 | 2199.9 | 1884.1 | 1607.6 |
| 35° | 2668.3 | 2693.1 | 2788.0 | 2806.6 | 2806.6 | 2761.2 | 2633.2 | 2367.0 | 2024.4 | 1675.7 | 1477.6 |
| 37.5° | 2662.1 | 2701.3 | 2806.6 | 2783.9 | 2746.7 | 2662.1 | 2476.4 | 2158.6 | 1774.7 | 1558.1 | 1380.6 |
| 40° | 2703.4 | 2740.5 | 2802.4 | 2719.9 | 2631.2 | 2499.1 | 2276.2 | 1886.2 | 1624.1 | 1461.1 | 1263.0 |
| 42.5° | 2678.6 | 2713.7 | 2715.8 | 2594.0 | 2468.1 | 2288.6 | 1993.5 | 1665.4 | 1514.7 | 1337.2 | 1128.8 |
| 45° | 2492.9 | 2497.0 | 2488.8 | 2358.8 | 2228.7 | 2043.0 | 1729.3 | 1556.0 | 1395.0 | 1190.7 | 829.6 |
| 47.5° | 1884.1 | 1875.9 | 1906.8 | 1869.7 | 1875.9 | 1764.4 | 1570.4 | 1428.0 | 1236.1 | 835.8 | 251.8 |
| 50° | 1659.2 | 1648.9 | 1617.9 | 1584.9 | 1551.9 | 1498.2 | 1407.4 | 1254.7 | 891.5 | 262.1 | 8.3 |
| 52.5° | 889.4 | 939.0 | 1036.0 | 1184.5 | 1240.3 | 1236.1 | 1168.0 | 928.6 | 280.7 | 2.1 | 0.0 |
| 55° | 288.9 | 284.8 | 317.8 | 375.6 | 515.9 | 594.3 | 619.1 | 315.7 | 6.2 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 6.2 | 20.6 | 53.7 | 70.2 | 4.1 | 0.0 | 2.1 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 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° | 1159.8 | 1159.8 | 1159.8 | 1159.8 | 1159.8 | 1159.8 | 1159.8 | 1159.8 |
| 2.5° | 1349.6 | 1320.7 | 1287.7 | 1170.1 | 1031.8 | 897.7 | 800.7 | 775.9 |
| 5° | 1504.4 | 1454.9 | 1384.7 | 1153.6 | 852.3 | 594.3 | 425.1 | 381.8 |
| 7.5° | 1584.9 | 1541.5 | 1467.3 | 1120.6 | 660.4 | 293.0 | 109.4 | 74.3 |
| 10° | 1634.4 | 1582.8 | 1500.3 | 1058.7 | 431.3 | 70.2 | 39.2 | 41.3 |
| 12.5° | 1669.5 | 1609.6 | 1516.8 | 969.9 | 218.7 | 35.1 | 49.5 | 51.6 |
| 15° | 1683.9 | 1620.0 | 1514.7 | 860.5 | 78.4 | 45.4 | 43.3 | 37.1 |
| 17.5° | 1675.7 | 1595.2 | 1487.9 | 703.7 | 26.8 | 43.3 | 22.7 | 18.6 |
| 20° | 1665.4 | 1574.6 | 1444.6 | 561.3 | 22.7 | 24.8 | 8.3 | 4.1 |
| 22.5° | 1698.4 | 1539.5 | 1384.7 | 402.4 | 22.7 | 8.3 | 0.0 | 0.0 |
| 25° | 1702.5 | 1525.0 | 1308.4 | 266.2 | 10.3 | 2.1 | 0.0 | 0.0 |
| 27.5° | 1661.2 | 1440.4 | 1190.7 | 156.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 1529.2 | 1335.2 | 1064.8 | 70.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 1399.2 | 1217.6 | 924.5 | 16.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 1296.0 | 1095.8 | 769.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 1168.0 | 951.3 | 573.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 1033.9 | 767.7 | 286.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 806.9 | 365.3 | 28.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 309.5 | 33.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 16.5 | 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° | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 2.1 | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 2.1 | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 |
| 70° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 |
| 72.5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 |
| 75° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 |
| 77.5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 |
| 80° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 |
| 82.5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 |
| 85° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 |
| 87.5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)