

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: P1310867

Luminaire Tested: LDSQA3D24R559035D010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310867
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R559035D010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

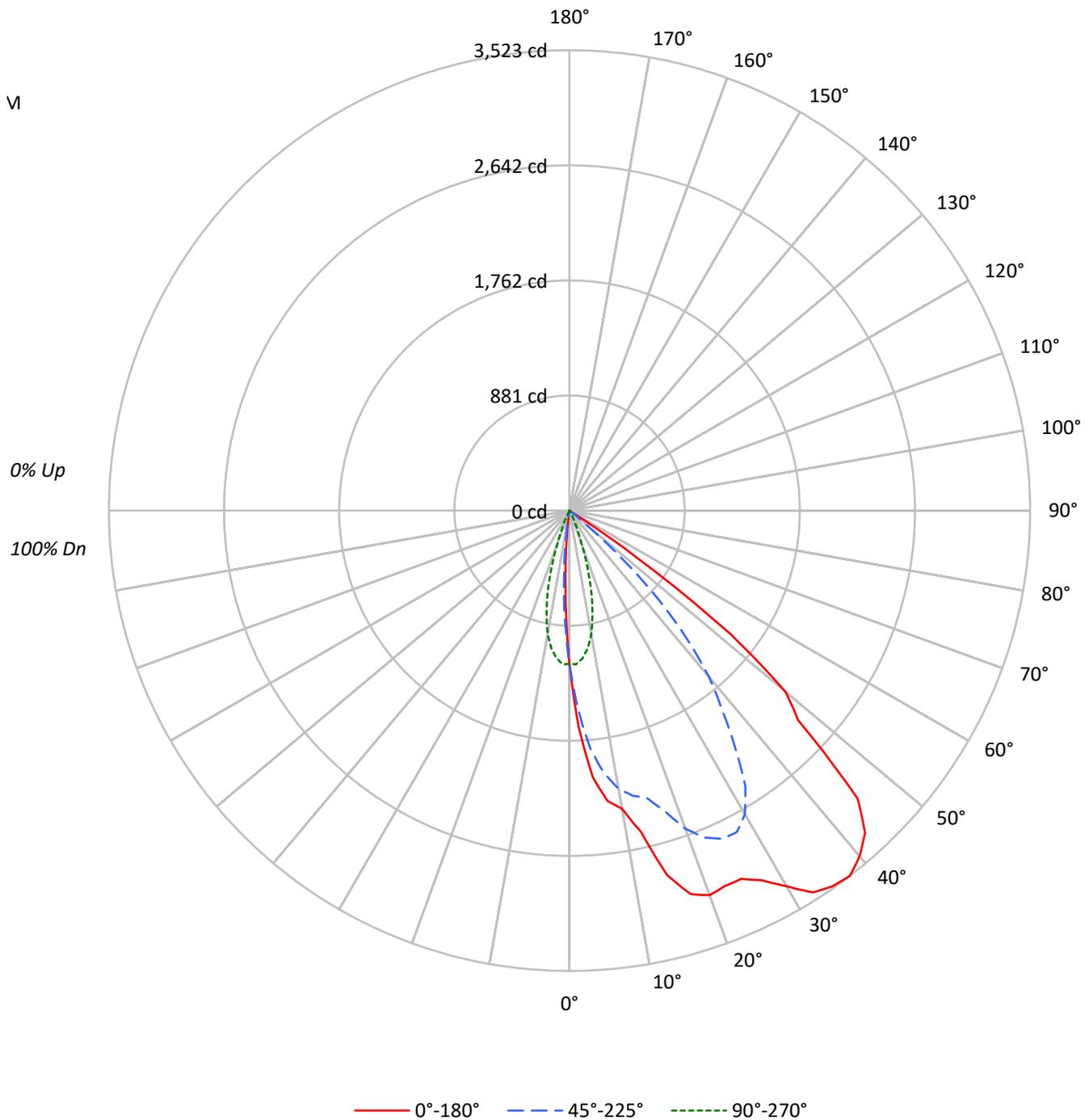
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2171.0 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
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 (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: P1310867

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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 | 99 | 95 | 90 | 103 | 98 | 93 | 89 | 94 | 91 | 87 | 91 | 88 | 86 | 88 | 86 | 84 | 88 | 86 | 84 | 82 |
| 3 | 98 | 91 | 84 | 80 | 96 | 89 | 83 | 79 | 86 | 82 | 78 | 84 | 80 | 76 | 81 | 78 | 75 | 81 | 78 | 75 | 73 |
| 4 | 92 | 82 | 76 | 71 | 90 | 81 | 75 | 70 | 79 | 74 | 69 | 77 | 72 | 68 | 75 | 71 | 68 | 75 | 71 | 68 | 66 |
| 5 | 86 | 75 | 68 | 63 | 84 | 74 | 68 | 63 | 72 | 67 | 62 | 71 | 65 | 61 | 69 | 64 | 61 | 69 | 64 | 61 | 59 |
| 6 | 80 | 69 | 62 | 56 | 78 | 68 | 61 | 56 | 66 | 60 | 56 | 65 | 60 | 55 | 64 | 59 | 55 | 64 | 59 | 55 | 53 |
| 7 | 75 | 63 | 56 | 51 | 73 | 63 | 56 | 51 | 61 | 55 | 50 | 60 | 54 | 50 | 59 | 54 | 50 | 59 | 54 | 50 | 48 |
| 8 | 70 | 58 | 51 | 46 | 68 | 58 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 54 | 49 | 45 | 54 | 49 | 45 | 44 |
| 9 | 66 | 54 | 47 | 42 | 64 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 50 | 45 | 41 | 50 | 45 | 41 | 40 |
| 10 | 62 | 50 | 43 | 38 | 60 | 49 | 43 | 38 | 49 | 42 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 47 | 42 | 38 | 36 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|--------|--------|--------|
| 0° | 202034 | 202034 | 202034 | 202034 | 202034 |
| 5° | 354128 | 315680 | 196116 | 81479 | 46902 |
| 10° | 405318 | 377845 | 167692 | 8919 | 3218 |
| 15° | 515085 | 405592 | 114949 | 1819 | 1088 |
| 20° | 573964 | 474500 | 50474 | 0 | 0 |
| 25° | 590850 | 526488 | 14347 | 0 | 0 |
| 30° | 660114 | 533536 | 2028 | 0 | 0 |
| 35° | 737771 | 463254 | 0 | 0 | 0 |
| 40° | 776081 | 372910 | 0 | 0 | 0 |
| 45° | 758786 | 235546 | 0 | 0 | 0 |
| 50° | 577793 | 48094 | 0 | 0 | 0 |
| 55° | 189285 | 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 | 4066 | 1984 | 0 |
| 85° | 0 | 3952 | 3952 | 3952 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 758786 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 107.2 | 4.9 |
| 10°-20° | 314.1 | 14.5 |
| 20°-30° | 510.8 | 23.5 |
| 30°-40° | 607.1 | 28.0 |
| 40°-50° | 496.5 | 22.9 |
| 50°-60° | 131.6 | 6.1 |
| 60°-70° | 0.8 | 0.0 |
| 70°-80° | 1.3 | 0.1 |
| 80°-90° | 1.5 | 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° | 932.2 | 42.9 |
| 0°-40° | 1539.3 | 70.9 |
| 0°-60° | 2167.3 | 99.8 |
| 0°-90° | 2171.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2171.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1173 | 1173 | 1173 | 1173 | 1173 | |
| 5° | 2048 | 1826 | 1134 | 471 | 271 | 201 |
| 15° | 2889 | 2275 | 645 | 10 | 6 | 808 |
| 25° | 3109 | 2771 | 76 | 0 | 0 | 1464 |
| 35° | 3509 | 2203 | 0 | 0 | 0 | 2182 |
| 45° | 3115 | 967 | 0 | 0 | 0 | 2236 |
| 55° | 630 | 0 | 0 | 0 | 0 | 709 |
| 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: P1310867

CATALOG NUMBER: LDSQA3D24R559035D010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 67.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1173.1 | 1173.1 | 1173.1 | 1173.1 | 1173.1 | 1173.1 | 1173.1 | 1173.1 | 1173.1 | 1173.1 | 1173.1 |
| 2.5° | 1664.8 | 1652.6 | 1654.6 | 1648.5 | 1654.6 | 1628.1 | 1599.5 | 1573.0 | 1552.6 | 1524.0 | 1350.6 |
| 5° | 2048.4 | 2028.0 | 2021.8 | 2013.7 | 2005.5 | 1972.9 | 1946.3 | 1913.7 | 1874.9 | 1826.0 | 1507.7 |
| 7.5° | 2242.2 | 2225.9 | 2217.7 | 2221.8 | 2203.4 | 2191.2 | 2156.5 | 2119.8 | 2079.0 | 2025.9 | 1626.0 |
| 10° | 2317.7 | 2301.3 | 2299.3 | 2297.3 | 2295.2 | 2287.1 | 2270.7 | 2238.1 | 2201.4 | 2160.6 | 1693.4 |
| 12.5° | 2515.6 | 2478.8 | 2454.4 | 2425.8 | 2391.1 | 2346.2 | 2309.5 | 2280.9 | 2266.7 | 2234.0 | 1724.0 |
| 15° | 2888.9 | 2854.2 | 2827.7 | 2791.0 | 2725.7 | 2629.8 | 2542.1 | 2429.9 | 2331.9 | 2274.8 | 1711.7 |
| 17.5° | 3076.6 | 3060.3 | 3037.9 | 3013.4 | 2968.5 | 2899.1 | 2809.4 | 2691.0 | 2566.6 | 2405.4 | 1652.6 |
| 20° | 3131.7 | 3123.5 | 3107.2 | 3097.0 | 3066.4 | 3017.5 | 2956.2 | 2864.4 | 2748.1 | 2589.0 | 1560.8 |
| 22.5° | 3109.3 | 3115.4 | 3123.5 | 3150.1 | 3154.1 | 3119.5 | 3062.3 | 2974.6 | 2856.3 | 2709.4 | 1420.0 |
| 25° | 3109.3 | 3105.2 | 3105.2 | 3160.3 | 3195.0 | 3178.6 | 3137.8 | 3058.3 | 2937.9 | 2770.6 | 1246.6 |
| 27.5° | 3188.8 | 3164.3 | 3113.3 | 3170.5 | 3227.6 | 3221.5 | 3184.7 | 3090.9 | 2956.2 | 2772.6 | 1034.4 |
| 30° | 3319.4 | 3266.4 | 3182.7 | 3235.8 | 3288.8 | 3266.4 | 3207.2 | 3086.8 | 2915.4 | 2682.9 | 775.3 |
| 32.5° | 3464.3 | 3439.8 | 3396.9 | 3431.6 | 3423.5 | 3333.7 | 3227.6 | 3060.3 | 2831.8 | 2503.3 | 522.3 |
| 35° | 3509.1 | 3513.2 | 3484.7 | 3478.5 | 3431.6 | 3339.8 | 3227.6 | 2984.8 | 2656.3 | 2203.4 | 310.1 |
| 37.5° | 3523.4 | 3525.5 | 3480.6 | 3423.5 | 3354.1 | 3246.0 | 3111.3 | 2829.8 | 2331.9 | 1913.7 | 165.3 |
| 40° | 3452.0 | 3450.0 | 3376.5 | 3307.2 | 3229.6 | 3123.5 | 2927.7 | 2503.3 | 2023.9 | 1658.7 | 59.2 |
| 42.5° | 3345.9 | 3319.4 | 3250.0 | 3164.3 | 3070.5 | 2937.9 | 2631.9 | 2113.6 | 1758.7 | 1328.2 | 4.1 |
| 45° | 3115.4 | 3090.9 | 3035.8 | 2944.0 | 2840.0 | 2652.3 | 2168.7 | 1815.8 | 1430.2 | 967.1 | 0.0 |
| 47.5° | 2368.7 | 2356.4 | 2413.6 | 2425.8 | 2423.8 | 2209.5 | 1809.7 | 1481.2 | 1050.7 | 563.1 | 0.0 |
| 50° | 2156.5 | 2140.2 | 2083.0 | 2009.6 | 1879.0 | 1699.5 | 1450.6 | 1097.6 | 616.1 | 179.5 | 0.0 |
| 52.5° | 1548.5 | 1601.6 | 1613.8 | 1558.7 | 1436.3 | 1258.8 | 999.7 | 632.5 | 214.2 | 0.0 | 0.0 |
| 55° | 630.4 | 597.8 | 622.3 | 652.9 | 677.3 | 622.3 | 461.1 | 224.4 | 2.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 2.0 | 12.2 | 28.6 | 46.9 | 59.2 | 63.2 | 4.1 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 |
| 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 | 2.0 | 0.0 | 2.0 | 2.0 | 2.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 0.0 | 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 | 4.1 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 2.0 | 2.0 | 2.0 | 4.1 |
| 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 | 0.0 | 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 |



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CANDELA DISTRIBUTION (continued):

| | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1173.1 | 1173.1 | 1173.1 | 1173.1 | 1173.1 |
| 2.5° | 1177.2 | 995.6 | 820.2 | 724.3 | 677.3 |
| 5° | 1134.4 | 761.0 | 471.3 | 326.4 | 271.3 |
| 7.5° | 1062.9 | 522.3 | 187.7 | 77.5 | 55.1 |
| 10° | 958.9 | 299.9 | 51.0 | 20.4 | 18.4 |
| 12.5° | 810.0 | 136.7 | 18.4 | 14.3 | 14.3 |
| 15° | 644.7 | 46.9 | 10.2 | 8.2 | 6.1 |
| 17.5° | 452.9 | 12.2 | 4.1 | 0.0 | 0.0 |
| 20° | 275.4 | 2.0 | 0.0 | 0.0 | 0.0 |
| 22.5° | 153.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25° | 75.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27.5° | 32.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 10.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 |
| 70° | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 |
| 75° | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 4.1 | 2.0 | 2.0 | 0.0 | 0.0 |
| 80° | 4.1 | 2.0 | 2.0 | 0.0 | 0.0 |
| 82.5° | 4.1 | 2.0 | 2.0 | 0.0 | 0.0 |
| 85° | 2.0 | 2.0 | 2.0 | 0.0 | 0.0 |
| 87.5° | 4.1 | 2.0 | 2.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)