

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: P1315855

Luminaire Tested: LDSQA3D17R709735DE010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315855
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709735DE010 3LSQCLSWWR 1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , 3LSQCLSWWR 1MMS T
Light Source: -
Ballast/Driver: -

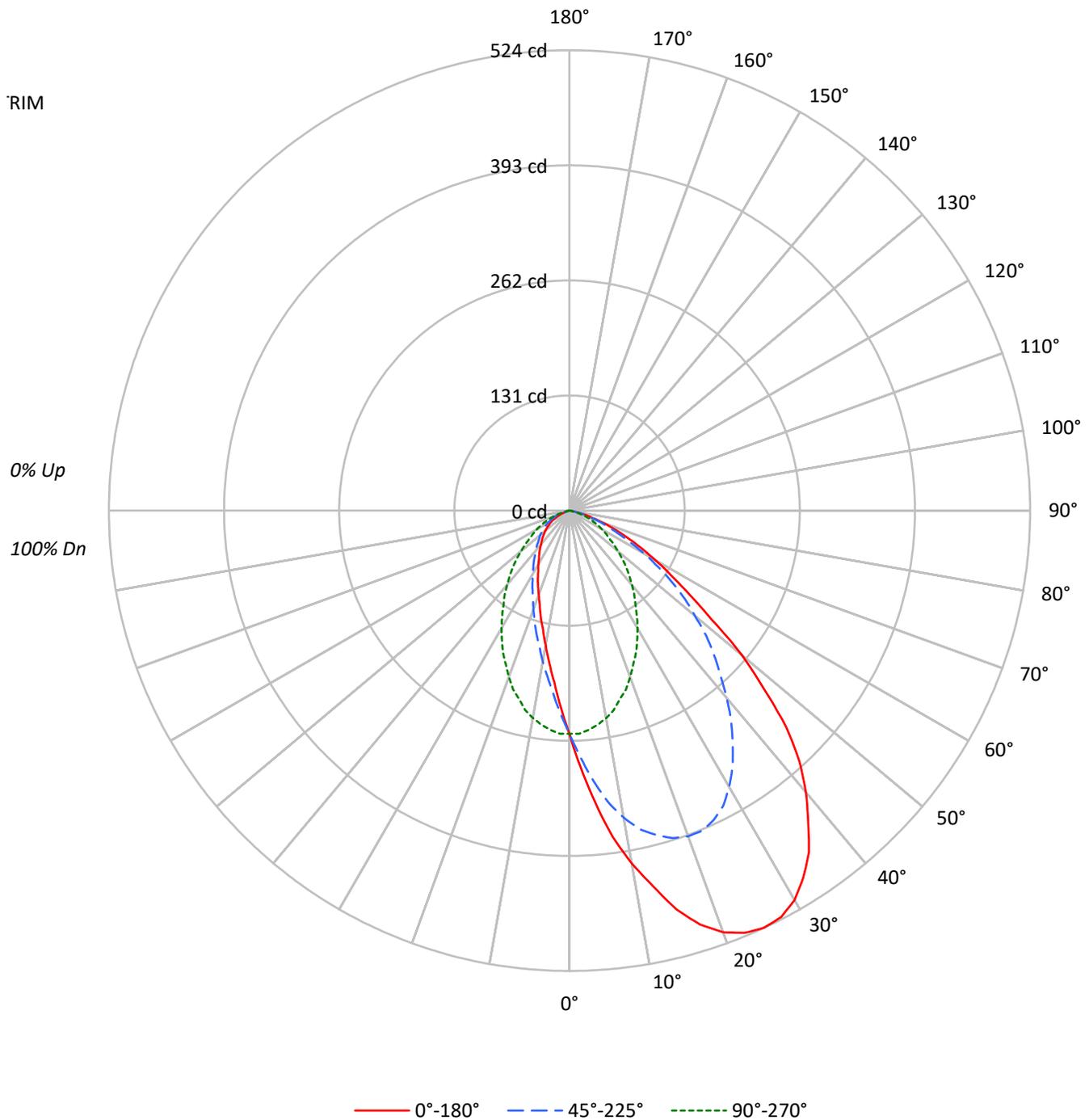
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 570.0 lumens
Efficiency: N/A
Efficacy: 26.9 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1315855

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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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | |
| 1 | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 94 | 92 | 90 | 89 | | |
| 2 | 103 | 96 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 77 | | |
| 3 | 95 | 86 | 79 | 73 | 93 | 84 | 78 | 73 | 82 | 76 | 72 | 79 | 74 | 70 | 76 | 73 | 69 | 67 | | |
| 4 | 88 | 77 | 70 | 64 | 86 | 76 | 69 | 63 | 74 | 67 | 63 | 71 | 66 | 62 | 69 | 65 | 61 | 59 | | |
| 5 | 81 | 70 | 62 | 56 | 79 | 69 | 61 | 56 | 67 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 54 | 52 | | |
| 6 | 75 | 63 | 55 | 50 | 74 | 63 | 55 | 49 | 61 | 54 | 49 | 59 | 53 | 49 | 58 | 52 | 48 | 46 | | |
| 7 | 70 | 58 | 50 | 44 | 69 | 57 | 50 | 44 | 56 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 43 | 42 | | |
| 8 | 66 | 53 | 45 | 40 | 64 | 53 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 39 | 49 | 43 | 39 | 38 | | |
| 9 | 62 | 49 | 41 | 36 | 60 | 49 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 34 | | |
| 10 | 58 | 45 | 38 | 33 | 57 | 45 | 38 | 33 | 44 | 37 | 33 | 43 | 37 | 33 | 42 | 37 | 33 | 31 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|-------|-------|-------|
| 0° | 43762 | 43762 | 43762 | 43762 | 43762 |
| 5° | 57604 | 53264 | 43307 | 36270 | 33988 |
| 10° | 71281 | 62047 | 41919 | 30604 | 27246 |
| 15° | 83782 | 68181 | 39546 | 25853 | 22448 |
| 20° | 93580 | 72284 | 36912 | 21975 | 18676 |
| 25° | 99536 | 73806 | 33939 | 18908 | 16171 |
| 30° | 101779 | 72228 | 30745 | 16446 | 14060 |
| 35° | 99803 | 68035 | 27479 | 14864 | 12594 |
| 40° | 94042 | 62523 | 24798 | 13467 | 11308 |
| 45° | 84954 | 56628 | 22188 | 12251 | 10522 |
| 50° | 68724 | 49782 | 19264 | 11575 | 9646 |
| 55° | 50023 | 42817 | 16544 | 10809 | 8648 |
| 60° | 38819 | 33859 | 14880 | 9920 | 7853 |
| 65° | 29300 | 24410 | 12225 | 8802 | 5868 |
| 70° | 20545 | 17523 | 9064 | 6647 | 3626 |
| 75° | 11978 | 10381 | 4791 | 3194 | 799 |
| 80° | 2380 | 3570 | 1190 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 84954 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 24.8 | 4.4 |
| 10°-20° | 74.1 | 13.0 |
| 20°-30° | 111.7 | 19.6 |
| 30°-40° | 124.1 | 21.8 |
| 40°-50° | 110.0 | 19.3 |
| 50°-60° | 74.7 | 13.1 |
| 60°-70° | 39.2 | 6.9 |
| 70°-80° | 11.1 | 2.0 |
| 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° | 210.6 | 36.9 |
| 0°-40° | 334.7 | 58.7 |
| 0°-60° | 519.4 | 91.1 |
| 0°-90° | 570.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 570.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 254 | 254 | 254 | 254 | 254 | |
| 5° | 333 | 308 | 250 | 210 | 197 | 34 |
| 15° | 470 | 382 | 222 | 145 | 126 | 133 |
| 25° | 524 | 388 | 179 | 100 | 85 | 240 |
| 35° | 475 | 324 | 131 | 71 | 60 | 294 |
| 45° | 349 | 232 | 91 | 50 | 43 | 264 |
| 55° | 167 | 143 | 55 | 36 | 29 | 154 |
| 65° | 72 | 60 | 30 | 22 | 14 | 73 |
| 75° | 18 | 16 | 7 | 5 | 1 | 20 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1315855

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 254.1 | 254.1 | 254.1 | 254.1 | 254.1 | 254.1 | 254.1 | 254.1 | 254.1 | 254.1 | 254.1 |
| 2.5° | 292.5 | 291.3 | 290.1 | 290.1 | 288.9 | 287.7 | 285.3 | 285.3 | 282.9 | 280.5 | 278.1 |
| 5° | 333.2 | 333.2 | 333.2 | 329.6 | 329.6 | 324.8 | 322.5 | 317.7 | 312.9 | 308.1 | 302.1 |
| 7.5° | 374.0 | 374.0 | 370.4 | 369.2 | 365.6 | 360.8 | 357.2 | 350.0 | 341.6 | 334.4 | 324.8 |
| 10° | 407.6 | 407.6 | 404.0 | 401.6 | 394.4 | 389.6 | 382.4 | 374.0 | 365.6 | 354.8 | 342.8 |
| 12.5° | 437.5 | 438.7 | 433.9 | 429.1 | 421.9 | 414.8 | 405.2 | 394.4 | 383.6 | 371.6 | 356.0 |
| 15° | 469.9 | 468.7 | 462.7 | 456.7 | 448.3 | 437.5 | 425.5 | 411.2 | 396.8 | 382.4 | 365.6 |
| 17.5° | 493.9 | 492.7 | 486.7 | 479.5 | 468.7 | 455.5 | 442.3 | 425.5 | 408.8 | 390.8 | 370.4 |
| 20° | 510.6 | 509.4 | 503.5 | 493.9 | 483.1 | 468.7 | 453.1 | 433.9 | 415.9 | 394.4 | 371.6 |
| 22.5° | 520.2 | 519.0 | 511.8 | 503.5 | 490.3 | 474.7 | 457.9 | 437.5 | 417.1 | 394.4 | 369.2 |
| 25° | 523.8 | 521.4 | 514.2 | 504.7 | 491.5 | 474.7 | 455.5 | 433.9 | 412.4 | 388.4 | 362.0 |
| 27.5° | 521.4 | 519.0 | 510.6 | 499.9 | 485.5 | 466.3 | 447.1 | 425.5 | 402.8 | 378.8 | 351.2 |
| 30° | 511.8 | 508.2 | 501.1 | 490.3 | 474.7 | 455.5 | 435.1 | 412.4 | 388.4 | 363.2 | 335.6 |
| 32.5° | 495.1 | 492.7 | 485.5 | 473.5 | 457.9 | 438.7 | 418.3 | 394.4 | 370.4 | 345.2 | 317.7 |
| 35° | 474.7 | 469.9 | 462.7 | 451.9 | 436.3 | 417.1 | 396.8 | 371.6 | 348.8 | 323.6 | 297.3 |
| 37.5° | 445.9 | 444.7 | 436.3 | 427.9 | 412.4 | 392.0 | 372.8 | 348.8 | 326.0 | 302.1 | 275.7 |
| 40° | 418.3 | 415.9 | 408.8 | 399.2 | 383.6 | 365.6 | 345.2 | 323.6 | 300.9 | 278.1 | 254.1 |
| 42.5° | 387.2 | 383.6 | 378.8 | 369.2 | 354.8 | 336.8 | 317.7 | 296.1 | 275.7 | 254.1 | 232.5 |
| 45° | 348.8 | 347.6 | 341.6 | 336.8 | 323.6 | 308.1 | 288.9 | 269.7 | 249.3 | 232.5 | 215.8 |
| 47.5° | 299.7 | 298.5 | 297.3 | 293.7 | 286.5 | 275.7 | 261.3 | 243.3 | 227.8 | 211.0 | 188.2 |
| 50° | 256.5 | 255.3 | 252.9 | 251.7 | 245.7 | 239.7 | 229.0 | 218.2 | 205.0 | 185.8 | 167.8 |
| 52.5° | 203.8 | 205.0 | 208.6 | 209.8 | 208.6 | 203.8 | 199.0 | 195.4 | 177.4 | 165.4 | 148.6 |
| 55° | 166.6 | 166.6 | 165.4 | 166.6 | 167.8 | 170.2 | 170.2 | 165.4 | 153.4 | 142.6 | 128.3 |
| 57.5° | 136.7 | 136.7 | 136.7 | 136.7 | 136.7 | 137.9 | 137.9 | 136.7 | 130.7 | 119.9 | 106.7 |
| 60° | 112.7 | 111.5 | 111.5 | 112.7 | 111.5 | 111.5 | 112.7 | 112.7 | 106.7 | 98.3 | 86.3 |
| 62.5° | 91.1 | 91.1 | 91.1 | 89.9 | 89.9 | 91.1 | 91.1 | 89.9 | 85.1 | 76.7 | 68.3 |
| 65° | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 73.1 | 71.9 | 70.7 | 65.9 | 59.9 | 53.9 |
| 67.5° | 55.1 | 55.1 | 56.3 | 55.1 | 56.3 | 56.3 | 56.3 | 53.9 | 50.3 | 45.6 | 42.0 |
| 70° | 40.8 | 40.8 | 40.8 | 42.0 | 43.2 | 43.2 | 42.0 | 39.6 | 37.2 | 34.8 | 31.2 |
| 72.5° | 27.6 | 28.8 | 28.8 | 28.8 | 30.0 | 30.0 | 28.8 | 27.6 | 26.4 | 24.0 | 22.8 |
| 75° | 18.0 | 16.8 | 18.0 | 18.0 | 19.2 | 19.2 | 18.0 | 18.0 | 16.8 | 15.6 | 14.4 |
| 77.5° | 8.4 | 8.4 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 8.4 | 8.4 |
| 80° | 2.4 | 2.4 | 2.4 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 82.5° | 0.0 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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):

| | 55° | 60° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| 0° | 254.1 | 254.1 | 254.1 | 254.1 | 254.1 | 254.1 | 254.1 | 254.1 |
| 2.5° | 275.7 | 272.1 | 267.3 | 254.1 | 242.1 | 231.3 | 225.4 | 224.2 |
| 5° | 294.9 | 290.1 | 278.1 | 250.5 | 227.8 | 209.8 | 199.0 | 196.6 |
| 7.5° | 315.3 | 305.7 | 288.9 | 245.7 | 213.4 | 190.6 | 178.6 | 175.0 |
| 10° | 330.8 | 318.9 | 296.1 | 239.7 | 199.0 | 175.0 | 160.6 | 155.8 |
| 12.5° | 341.6 | 327.2 | 302.1 | 232.5 | 187.0 | 158.2 | 143.8 | 139.0 |
| 15° | 347.6 | 332.0 | 303.3 | 221.8 | 172.6 | 145.0 | 129.5 | 125.9 |
| 17.5° | 350.0 | 332.0 | 300.9 | 213.4 | 159.4 | 131.9 | 117.5 | 112.7 |
| 20° | 348.8 | 327.2 | 294.9 | 201.4 | 147.4 | 119.9 | 105.5 | 101.9 |
| 22.5° | 344.0 | 320.1 | 285.3 | 189.4 | 135.5 | 107.9 | 95.9 | 93.5 |
| 25° | 336.8 | 310.5 | 274.5 | 178.6 | 124.7 | 99.5 | 87.5 | 85.1 |
| 27.5° | 324.8 | 298.5 | 260.1 | 166.6 | 115.1 | 91.1 | 80.3 | 76.7 |
| 30° | 309.3 | 284.1 | 245.7 | 154.6 | 105.5 | 82.7 | 73.1 | 70.7 |
| 32.5° | 292.5 | 267.3 | 231.3 | 142.6 | 97.1 | 76.7 | 67.1 | 64.7 |
| 35° | 273.3 | 249.3 | 213.4 | 130.7 | 88.7 | 70.7 | 61.1 | 59.9 |
| 37.5° | 254.1 | 230.2 | 197.8 | 121.1 | 81.5 | 64.7 | 56.3 | 55.1 |
| 40° | 232.5 | 213.4 | 189.4 | 110.3 | 75.5 | 59.9 | 52.7 | 50.3 |
| 42.5° | 219.4 | 193.0 | 163.0 | 100.7 | 69.5 | 55.1 | 47.9 | 46.7 |
| 45° | 190.6 | 171.4 | 147.4 | 91.1 | 63.5 | 50.3 | 44.4 | 43.2 |
| 47.5° | 171.4 | 154.6 | 131.9 | 81.5 | 58.7 | 46.7 | 40.8 | 39.6 |
| 50° | 152.2 | 136.7 | 115.1 | 71.9 | 53.9 | 43.2 | 37.2 | 36.0 |
| 52.5° | 133.1 | 117.5 | 98.3 | 63.5 | 47.9 | 39.6 | 33.6 | 32.4 |
| 55° | 113.9 | 99.5 | 81.5 | 55.1 | 43.2 | 36.0 | 31.2 | 28.8 |
| 57.5° | 93.5 | 81.5 | 69.5 | 49.1 | 38.4 | 32.4 | 27.6 | 25.2 |
| 60° | 75.5 | 68.3 | 58.7 | 43.2 | 33.6 | 28.8 | 24.0 | 22.8 |
| 62.5° | 61.1 | 55.1 | 49.1 | 37.2 | 30.0 | 25.2 | 21.6 | 18.0 |
| 65° | 49.1 | 45.6 | 40.8 | 30.0 | 25.2 | 21.6 | 18.0 | 14.4 |
| 67.5° | 38.4 | 36.0 | 32.4 | 25.2 | 20.4 | 18.0 | 13.2 | 10.8 |
| 70° | 30.0 | 27.6 | 25.2 | 18.0 | 15.6 | 13.2 | 9.6 | 7.2 |
| 72.5° | 21.6 | 19.2 | 18.0 | 13.2 | 10.8 | 9.6 | 6.0 | 3.6 |
| 75° | 13.2 | 13.2 | 10.8 | 7.2 | 6.0 | 4.8 | 2.4 | 1.2 |
| 77.5° | 7.2 | 7.2 | 6.0 | 3.6 | 3.6 | 1.2 | 0.0 | 0.0 |
| 80° | 3.6 | 2.4 | 2.4 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 |
| 82.5° | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)