

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: IRiS

Report Number: P1446232

Luminaire Tested: P3ART17R709050DE010 E3LSWW1WH

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446232
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART17R709050DE010 E3LSWW1WH
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3LSWW1WH TRIM
Light Source: -
Ballast/Driver: -

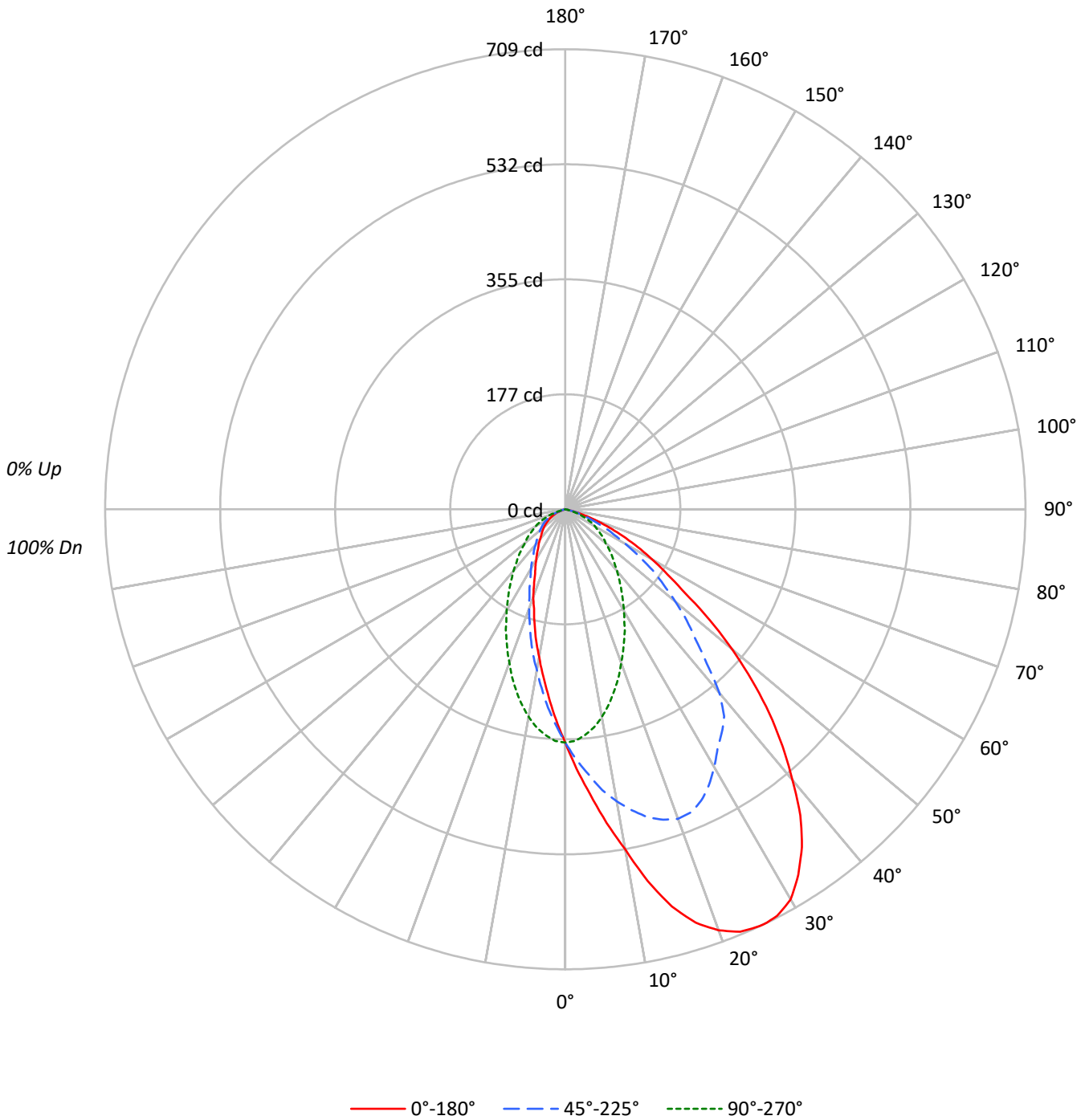
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 716.0 lumens
Efficiency: N/A
Efficacy: 33.8 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23
Luminous Opening: Circular (Dia: 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

TEST NUMBER: P1446232
CATALOG NUMBER: P3ART17R709050DE010 E3LSWW1WH

Luminous Intensity Polar Plot





TEST NUMBER: P1446232
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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 | 100 | | | 100 |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 96 | 97 | 95 | 94 | 94 | 92 | 91 | 89 | | | 89 |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 85 | 81 | 85 | 82 | 80 | 78 | | | 78 |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 68 | | | 68 |
| 4 | 88 | 78 | 70 | 65 | 86 | 77 | 70 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 60 | | | 60 |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 62 | 57 | 68 | 61 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 53 | | | 53 |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 51 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 47 | | | 47 |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 | | | 43 |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 39 | | | 39 |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | | 35 |
| 10 | 59 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | 32 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 78809 | 78809 | 78809 | 78809 | 78809 |
| 5° | 97006 | 90293 | 76887 | 67488 | 63922 |
| 10° | 118479 | 101735 | 72343 | 56067 | 51547 |
| 15° | 143837 | 111556 | 65925 | 46561 | 41499 |
| 20° | 161131 | 118474 | 58758 | 37920 | 33650 |
| 25° | 171470 | 119886 | 52092 | 31453 | 26542 |
| 30° | 175850 | 116220 | 45754 | 26738 | 22636 |
| 35° | 170145 | 112538 | 40234 | 22834 | 19568 |
| 40° | 155778 | 105798 | 35466 | 20352 | 17433 |
| 45° | 137906 | 88164 | 31476 | 18886 | 15754 |
| 50° | 114316 | 75528 | 27701 | 17330 | 14533 |
| 55° | 86171 | 62889 | 25614 | 16286 | 13189 |
| 60° | 67670 | 47189 | 23156 | 15130 | 11578 |
| 65° | 50589 | 34764 | 20028 | 12660 | 9495 |
| 70° | 32570 | 22119 | 14297 | 9104 | 5193 |
| 75° | 13725 | 12031 | 6863 | 3474 | 1694 |
| 80° | 2526 | 2526 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 137906 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 34.1 | 4.8 |
| 10°-20° | 98.1 | 13.7 |
| 20°-30° | 143.5 | 20.0 |
| 30°-40° | 156.3 | 21.8 |
| 40°-50° | 135.3 | 18.9 |
| 50°-60° | 90.6 | 12.7 |
| 60°-70° | 46.8 | 6.5 |
| 70°-80° | 11.1 | 1.5 |
| 80°-90° | 0.1 | 0.0 |
| 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° | 275.7 | 38.5 |
| 0°-40° | 432.1 | 60.3 |
| 0°-60° | 658.0 | 91.9 |
| 0°-90° | 716.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 716.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 359 | 359 | 359 | 359 | 359 | |
| 5° | 441 | 410 | 349 | 307 | 290 | 45 |
| 15° | 634 | 491 | 290 | 205 | 183 | 179 |
| 25° | 709 | 496 | 215 | 130 | 110 | 326 |
| 35° | 636 | 420 | 150 | 85 | 73 | 394 |
| 45° | 445 | 284 | 102 | 61 | 51 | 340 |
| 55° | 225 | 164 | 67 | 43 | 34 | 209 |
| 65° | 98 | 67 | 39 | 24 | 18 | 98 |
| 75° | 16 | 14 | 8 | 4 | 2 | 21 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1446232
 CATALOG NUMBER: P3ART17R709050DE010 E3LSWW1WH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 359.4 | 359.4 | 359.4 | 359.4 | 359.4 | 359.4 | 359.4 | 359.4 | 359.4 | 359.4 | 359.4 |
| 2.5° | 400.1 | 398.0 | 398.0 | 394.0 | 389.9 | 385.8 | 379.8 | 373.7 | 367.6 | 361.5 | 357.4 |
| 5° | 440.7 | 442.7 | 440.7 | 432.6 | 422.4 | 410.2 | 398.0 | 383.8 | 369.6 | 357.4 | 349.3 |
| 7.5° | 487.4 | 487.4 | 481.3 | 471.1 | 456.9 | 436.6 | 416.3 | 391.9 | 369.6 | 349.3 | 339.1 |
| 10° | 532.1 | 532.1 | 521.9 | 505.7 | 483.3 | 456.9 | 428.5 | 396.0 | 365.5 | 337.1 | 324.9 |
| 12.5° | 586.9 | 584.9 | 572.7 | 546.3 | 513.8 | 475.2 | 436.6 | 396.0 | 359.4 | 324.9 | 308.7 |
| 15° | 633.6 | 631.6 | 615.3 | 582.8 | 540.2 | 491.4 | 438.6 | 391.9 | 347.3 | 308.7 | 290.4 |
| 17.5° | 668.1 | 664.1 | 645.8 | 611.3 | 562.5 | 501.6 | 440.7 | 383.8 | 333.0 | 290.4 | 272.1 |
| 20° | 690.5 | 688.4 | 668.1 | 627.5 | 574.7 | 507.7 | 438.6 | 373.7 | 318.8 | 272.1 | 251.8 |
| 22.5° | 704.7 | 700.6 | 680.3 | 635.6 | 574.7 | 505.7 | 430.5 | 359.4 | 300.6 | 253.8 | 233.5 |
| 25° | 708.7 | 706.7 | 682.3 | 633.6 | 568.6 | 495.5 | 418.3 | 345.2 | 282.3 | 235.6 | 215.3 |
| 26° | 708.7 | 706.7 | 682.3 | 631.6 | 564.6 | 489.4 | 412.2 | 339.1 | 276.2 | 227.4 | 209.2 |
| 27.5° | 706.7 | 704.7 | 678.3 | 625.5 | 556.4 | 479.3 | 400.1 | 327.0 | 264.0 | 217.3 | 197.0 |
| 30° | 694.5 | 690.5 | 664.1 | 611.3 | 538.2 | 459.0 | 379.8 | 308.7 | 245.7 | 199.0 | 180.7 |
| 32.5° | 668.1 | 664.1 | 635.6 | 586.9 | 517.8 | 436.6 | 357.4 | 288.4 | 227.4 | 180.7 | 164.5 |
| 35° | 635.6 | 631.6 | 603.1 | 556.4 | 489.4 | 420.4 | 333.0 | 266.0 | 207.1 | 166.5 | 150.3 |
| 37.5° | 595.0 | 588.9 | 564.6 | 515.8 | 454.9 | 402.1 | 312.7 | 243.7 | 188.9 | 150.3 | 136.1 |
| 40° | 544.2 | 542.2 | 519.9 | 475.2 | 414.3 | 369.6 | 300.6 | 243.7 | 172.6 | 136.1 | 123.9 |
| 42.5° | 495.5 | 491.4 | 471.1 | 432.6 | 377.7 | 322.9 | 264.0 | 233.5 | 160.4 | 121.8 | 111.7 |
| 45° | 444.7 | 440.7 | 422.4 | 389.9 | 339.1 | 284.3 | 284.3 | 201.0 | 138.1 | 111.7 | 101.5 |
| 47.5° | 389.9 | 385.8 | 371.6 | 347.3 | 302.6 | 253.8 | 207.1 | 164.5 | 125.9 | 99.5 | 91.4 |
| 50° | 335.1 | 337.1 | 324.9 | 300.6 | 266.0 | 221.4 | 178.7 | 138.1 | 107.6 | 89.4 | 81.2 |
| 52.5° | 280.2 | 278.2 | 270.1 | 253.8 | 229.5 | 190.9 | 152.3 | 117.8 | 93.4 | 79.2 | 75.1 |
| 55° | 225.4 | 227.4 | 223.4 | 213.2 | 192.9 | 164.5 | 127.9 | 101.5 | 83.3 | 71.1 | 67.0 |
| 57.5° | 186.8 | 188.9 | 180.7 | 174.6 | 158.4 | 134.0 | 105.6 | 85.3 | 71.1 | 63.0 | 58.9 |
| 60° | 154.3 | 156.4 | 150.3 | 142.2 | 130.0 | 107.6 | 85.3 | 71.1 | 63.0 | 56.9 | 52.8 |
| 62.5° | 125.9 | 123.9 | 119.8 | 111.7 | 101.5 | 85.3 | 69.0 | 58.9 | 52.8 | 48.7 | 46.7 |
| 65° | 97.5 | 97.5 | 93.4 | 87.3 | 79.2 | 67.0 | 54.8 | 48.7 | 44.7 | 40.6 | 38.6 |
| 67.5° | 73.1 | 73.1 | 69.0 | 65.0 | 56.9 | 48.7 | 42.6 | 38.6 | 36.6 | 32.5 | 30.5 |
| 70° | 50.8 | 50.8 | 48.7 | 46.7 | 40.6 | 34.5 | 32.5 | 28.4 | 26.4 | 24.4 | 22.3 |
| 72.5° | 32.5 | 32.5 | 32.5 | 28.4 | 26.4 | 22.3 | 22.3 | 20.3 | 18.3 | 16.2 | 16.2 |
| 75° | 16.2 | 18.3 | 16.2 | 16.2 | 14.2 | 14.2 | 12.2 | 12.2 | 10.2 | 10.2 | 8.1 |
| 77.5° | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 80° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 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 |



TEST NUMBER: P1446232
 CATALOG NUMBER: P3ART17R709050DE010 E3LSWW1WH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 359.4 | 359.4 | 359.4 | 359.4 | 359.4 | 359.4 | 359.4 | 359.4 | 359.4 | 359.4 |
| 2.5° | 353.4 | 347.3 | 343.2 | 337.1 | 333.0 | 329.0 | 327.0 | 324.9 | 324.9 | 324.9 |
| 5° | 343.2 | 333.0 | 322.9 | 312.7 | 306.6 | 300.6 | 294.5 | 292.4 | 290.4 | 290.4 |
| 7.5° | 331.0 | 314.8 | 300.6 | 288.4 | 278.2 | 272.1 | 266.0 | 262.0 | 259.9 | 259.9 |
| 10° | 314.8 | 294.5 | 278.2 | 262.0 | 251.8 | 243.7 | 239.6 | 233.5 | 233.5 | 231.5 |
| 12.5° | 296.5 | 272.1 | 253.8 | 239.6 | 229.5 | 219.3 | 213.2 | 209.2 | 207.1 | 207.1 |
| 15° | 276.2 | 251.8 | 231.5 | 215.3 | 205.1 | 195.0 | 188.9 | 184.8 | 182.8 | 182.8 |
| 17.5° | 255.9 | 229.5 | 209.2 | 192.9 | 182.8 | 172.6 | 166.5 | 162.5 | 162.5 | 160.4 |
| 20° | 235.6 | 209.2 | 188.9 | 172.6 | 162.5 | 154.3 | 148.2 | 144.2 | 142.2 | 144.2 |
| 22.5° | 217.3 | 190.9 | 170.6 | 156.4 | 144.2 | 136.1 | 130.0 | 127.9 | 125.9 | 125.9 |
| 25° | 197.0 | 172.6 | 154.3 | 140.1 | 130.0 | 121.8 | 115.8 | 113.7 | 111.7 | 109.7 |
| 26° | 190.9 | 166.5 | 148.2 | 134.0 | 123.9 | 115.8 | 111.7 | 107.6 | 105.6 | 105.6 |
| 27.5° | 182.8 | 156.4 | 140.1 | 125.9 | 115.8 | 109.7 | 103.6 | 101.5 | 99.5 | 99.5 |
| 30° | 164.5 | 142.2 | 125.9 | 113.7 | 105.6 | 97.5 | 93.4 | 91.4 | 89.4 | 89.4 |
| 32.5° | 150.3 | 127.9 | 113.7 | 103.6 | 95.4 | 89.4 | 85.3 | 81.2 | 81.2 | 81.2 |
| 35° | 136.1 | 115.8 | 103.6 | 93.4 | 85.3 | 79.2 | 77.2 | 75.1 | 73.1 | 73.1 |
| 37.5° | 123.9 | 105.6 | 93.4 | 85.3 | 79.2 | 73.1 | 69.0 | 67.0 | 67.0 | 67.0 |
| 40° | 111.7 | 97.5 | 85.3 | 77.2 | 71.1 | 67.0 | 63.0 | 60.9 | 60.9 | 60.9 |
| 42.5° | 101.5 | 87.3 | 79.2 | 71.1 | 65.0 | 60.9 | 58.9 | 56.9 | 54.8 | 54.8 |
| 45° | 93.4 | 81.2 | 71.1 | 65.0 | 60.9 | 56.9 | 52.8 | 50.8 | 50.8 | 50.8 |
| 47.5° | 83.3 | 75.1 | 65.0 | 58.9 | 54.8 | 50.8 | 48.7 | 46.7 | 46.7 | 46.7 |
| 50° | 77.2 | 69.0 | 60.9 | 54.8 | 50.8 | 46.7 | 44.7 | 42.6 | 42.6 | 42.6 |
| 52.5° | 69.0 | 63.0 | 56.9 | 50.8 | 46.7 | 42.6 | 40.6 | 38.6 | 38.6 | 38.6 |
| 55° | 63.0 | 56.9 | 50.8 | 46.7 | 42.6 | 38.6 | 36.6 | 34.5 | 34.5 | 34.5 |
| 57.5° | 56.9 | 50.8 | 46.7 | 42.6 | 38.6 | 36.6 | 32.5 | 32.5 | 30.5 | 30.5 |
| 60° | 50.8 | 44.7 | 40.6 | 38.6 | 34.5 | 32.5 | 28.4 | 26.4 | 26.4 | 26.4 |
| 62.5° | 42.6 | 40.6 | 36.6 | 32.5 | 28.4 | 26.4 | 24.4 | 22.3 | 22.3 | 22.3 |
| 65° | 36.6 | 34.5 | 30.5 | 26.4 | 24.4 | 22.3 | 20.3 | 18.3 | 18.3 | 18.3 |
| 67.5° | 30.5 | 26.4 | 24.4 | 22.3 | 20.3 | 18.3 | 16.2 | 14.2 | 12.2 | 14.2 |
| 70° | 22.3 | 20.3 | 18.3 | 16.2 | 14.2 | 12.2 | 10.2 | 10.2 | 8.1 | 8.1 |
| 72.5° | 14.2 | 12.2 | 12.2 | 10.2 | 8.1 | 8.1 | 6.1 | 6.1 | 4.1 | 4.1 |
| 75° | 8.1 | 8.1 | 6.1 | 6.1 | 4.1 | 4.1 | 2.0 | 2.0 | 2.0 | 2.0 |
| 77.5° | 4.1 | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 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 | 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 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)