

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: P#

Luminaire Tested: P3ART24R709035D010 E3LCWW1H

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART24R709035D010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

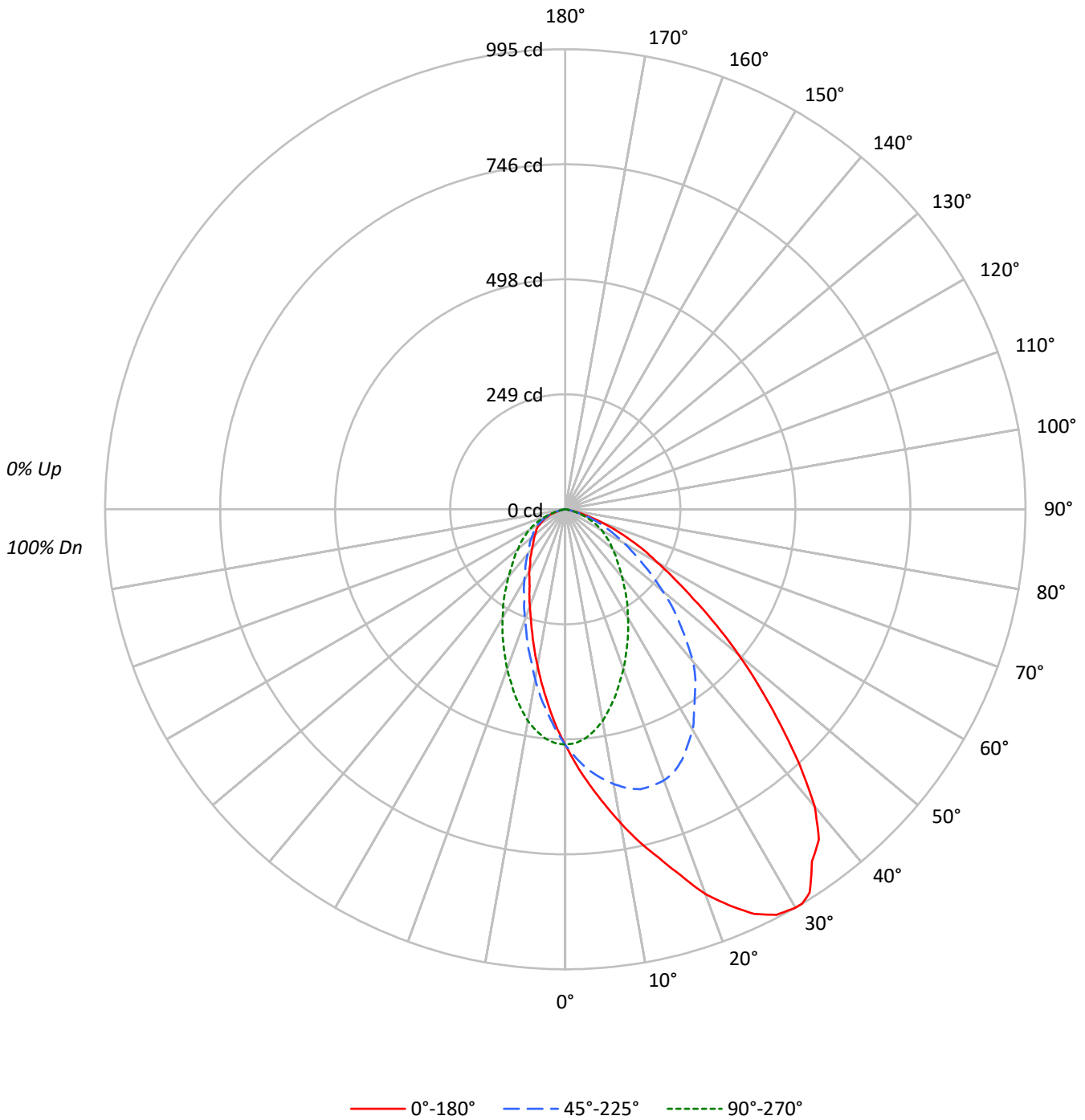
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1036.0 lumens
Efficiency: N/A
Efficacy: 36.0 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18
Luminous Opening: Circular (Dia: 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

TEST NUMBER: P#
CATALOG NUMBER: P3ART24R709035D010 E3LCWW1H

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART24R709035D010 E3LCWW1H

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 | | | | |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | | | |
| 2 | 102 | 95 | 90 | 85 | 100 | 93 | 88 | 84 | 90 | 86 | 82 | 87 | 83 | 80 | 84 | 81 | 78 | 76 | | | | |
| 3 | 94 | 85 | 78 | 72 | 92 | 84 | 77 | 72 | 81 | 75 | 71 | 78 | 73 | 69 | 76 | 72 | 68 | 66 | | | | |
| 4 | 87 | 77 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 69 | 64 | 60 | 58 | | | | |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 59 | 54 | 64 | 58 | 54 | 62 | 57 | 53 | 51 | | | | |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 54 | 49 | 60 | 53 | 48 | 59 | 53 | 48 | 57 | 52 | 47 | 46 | | | | |
| 7 | 70 | 57 | 49 | 44 | 68 | 57 | 49 | 44 | 55 | 48 | 43 | 54 | 48 | 43 | 52 | 47 | 43 | 41 | | | | |
| 8 | 65 | 53 | 45 | 39 | 64 | 52 | 45 | 39 | 51 | 44 | 39 | 50 | 43 | 39 | 48 | 43 | 39 | 37 | | | | |
| 9 | 61 | 49 | 41 | 36 | 60 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 35 | 45 | 39 | 35 | 34 | | | | |
| 10 | 57 | 45 | 38 | 33 | 56 | 45 | 37 | 33 | 44 | 37 | 33 | 43 | 37 | 32 | 42 | 36 | 32 | 31 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|--------|--------|--------|
| 0° | 111658 | 111658 | 111658 | 111658 | 111658 |
| 5° | 131521 | 124411 | 109509 | 97182 | 93308 |
| 10° | 153371 | 134355 | 103561 | 83232 | 76685 |
| 15° | 177073 | 142339 | 94893 | 70171 | 62815 |
| 20° | 206751 | 145613 | 85851 | 59062 | 52201 |
| 25° | 233602 | 144565 | 76916 | 50567 | 44156 |
| 30° | 251912 | 139363 | 68568 | 44716 | 39500 |
| 35° | 249007 | 130794 | 61462 | 40181 | 35469 |
| 40° | 240136 | 123031 | 54760 | 36239 | 32031 |
| 45° | 203556 | 108631 | 49307 | 33771 | 30112 |
| 50° | 166681 | 93404 | 45201 | 32135 | 29133 |
| 55° | 129410 | 77646 | 42780 | 31502 | 29246 |
| 60° | 100694 | 64556 | 40041 | 30962 | 27103 |
| 65° | 79438 | 53443 | 35127 | 29004 | 25943 |
| 70° | 54753 | 39622 | 28338 | 24555 | 22632 |
| 75° | 27450 | 22452 | 19910 | 17453 | 14996 |
| 80° | 3662 | 7450 | 11113 | 7450 | 3662 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 203556 cd/sqm



TEST NUMBER: P#
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 47.6 | 4.6 |
| 10°-20° | 132.7 | 12.8 |
| 20°-30° | 195.5 | 18.9 |
| 30°-40° | 219.2 | 21.2 |
| 40°-50° | 192.7 | 18.6 |
| 50°-60° | 137.9 | 13.3 |
| 60°-70° | 81.7 | 7.9 |
| 70°-80° | 27.4 | 2.6 |
| 80°-90° | 1.3 | 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° | 375.8 | 36.3 |
| 0°-40° | 595.0 | 57.4 |
| 0°-60° | 925.6 | 89.3 |
| 0°-90° | 1036.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1036.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 509 | 509 | 509 | 509 | 509 | |
| 5° | 598 | 565 | 498 | 442 | 424 | 60 |
| 15° | 780 | 627 | 418 | 309 | 277 | 225 |
| 25° | 966 | 598 | 318 | 209 | 182 | 444 |
| 35° | 930 | 489 | 230 | 150 | 132 | 584 |
| 45° | 656 | 350 | 159 | 109 | 97 | 508 |
| 55° | 338 | 203 | 112 | 82 | 76 | 309 |
| 65° | 153 | 103 | 68 | 56 | 50 | 153 |
| 75° | 32 | 26 | 24 | 21 | 18 | 39 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART24R709035D010 E3LCWW1H

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 509.2 | 509.2 | 509.2 | 509.2 | 509.2 | 509.2 | 509.2 | 509.2 | 509.2 | 509.2 | 509.2 |
| 2.5° | 553.4 | 553.4 | 553.4 | 547.5 | 547.5 | 538.7 | 532.8 | 524.0 | 518.1 | 509.2 | 506.3 |
| 5° | 597.5 | 597.5 | 591.7 | 585.8 | 576.9 | 565.2 | 550.4 | 535.7 | 518.1 | 503.4 | 497.5 |
| 7.5° | 641.7 | 644.6 | 635.8 | 624.0 | 606.4 | 585.8 | 565.2 | 541.6 | 515.1 | 494.5 | 482.7 |
| 10° | 688.8 | 688.8 | 677.0 | 659.4 | 632.9 | 603.4 | 571.1 | 538.7 | 506.3 | 476.9 | 465.1 |
| 12.5° | 735.9 | 732.9 | 718.2 | 691.7 | 659.4 | 618.1 | 574.0 | 532.8 | 494.5 | 459.2 | 441.5 |
| 15° | 780.0 | 780.0 | 759.4 | 727.1 | 680.0 | 627.0 | 574.0 | 521.0 | 476.9 | 435.6 | 418.0 |
| 17.5° | 830.1 | 830.1 | 803.6 | 753.6 | 694.7 | 627.0 | 565.2 | 506.3 | 456.3 | 412.1 | 391.5 |
| 20° | 886.0 | 883.1 | 844.8 | 777.1 | 700.6 | 624.0 | 553.4 | 488.6 | 432.7 | 385.6 | 367.9 |
| 22.5° | 927.2 | 924.3 | 880.1 | 797.7 | 703.5 | 615.2 | 532.8 | 465.1 | 409.2 | 362.1 | 341.5 |
| 25° | 965.5 | 959.6 | 909.6 | 806.5 | 697.6 | 597.5 | 512.2 | 438.6 | 385.6 | 338.5 | 317.9 |
| 27.5° | 989.0 | 986.1 | 930.2 | 803.6 | 682.9 | 574.0 | 485.7 | 415.0 | 359.1 | 312.0 | 294.4 |
| 30° | 994.9 | 997.9 | 930.2 | 788.9 | 659.4 | 550.4 | 459.2 | 388.6 | 332.6 | 291.4 | 270.8 |
| 31° | 994.9 | 997.9 | 924.3 | 780.0 | 650.5 | 538.7 | 447.4 | 379.7 | 320.8 | 279.6 | 262.0 |
| 32.5° | 983.2 | 977.3 | 915.4 | 765.3 | 629.9 | 518.1 | 432.7 | 365.0 | 306.1 | 264.9 | 250.2 |
| 35° | 930.2 | 933.1 | 886.0 | 732.9 | 600.5 | 488.6 | 403.3 | 335.6 | 279.6 | 244.3 | 229.6 |
| 37.5° | 900.7 | 900.7 | 815.4 | 688.8 | 568.1 | 462.1 | 367.9 | 303.2 | 256.1 | 223.7 | 209.0 |
| 40° | 838.9 | 830.1 | 750.6 | 641.7 | 529.8 | 429.8 | 347.3 | 282.6 | 235.5 | 203.1 | 191.3 |
| 42.5° | 750.6 | 741.8 | 680.0 | 600.5 | 479.8 | 388.6 | 329.7 | 250.2 | 211.9 | 185.4 | 173.7 |
| 45° | 656.4 | 650.5 | 603.4 | 529.8 | 432.7 | 350.3 | 285.5 | 229.6 | 194.3 | 167.8 | 159.0 |
| 47.5° | 571.1 | 562.2 | 526.9 | 471.0 | 391.5 | 315.0 | 247.3 | 206.0 | 173.7 | 153.1 | 147.2 |
| 50° | 488.6 | 485.7 | 456.3 | 412.1 | 347.3 | 273.8 | 217.8 | 182.5 | 159.0 | 141.3 | 132.5 |
| 52.5° | 412.1 | 406.2 | 391.5 | 356.2 | 303.2 | 238.4 | 191.3 | 161.9 | 141.3 | 129.5 | 123.6 |
| 55° | 338.5 | 338.5 | 323.8 | 300.2 | 259.0 | 203.1 | 167.8 | 144.2 | 126.6 | 117.7 | 111.9 |
| 57.5° | 279.6 | 279.6 | 267.9 | 253.1 | 214.9 | 173.7 | 147.2 | 126.6 | 114.8 | 106.0 | 100.1 |
| 60° | 229.6 | 229.6 | 220.8 | 206.0 | 179.6 | 147.2 | 126.6 | 111.9 | 103.0 | 94.2 | 91.3 |
| 62.5° | 191.3 | 188.4 | 182.5 | 167.8 | 147.2 | 123.6 | 108.9 | 97.1 | 88.3 | 82.4 | 79.5 |
| 65° | 153.1 | 150.1 | 144.2 | 132.5 | 117.7 | 103.0 | 91.3 | 82.4 | 76.5 | 70.6 | 67.7 |
| 67.5° | 117.7 | 117.7 | 111.9 | 103.0 | 91.3 | 82.4 | 73.6 | 67.7 | 61.8 | 58.9 | 55.9 |
| 70° | 85.4 | 85.4 | 82.4 | 76.5 | 67.7 | 61.8 | 55.9 | 53.0 | 50.0 | 47.1 | 44.2 |
| 72.5° | 58.9 | 58.9 | 55.9 | 53.0 | 47.1 | 44.2 | 38.3 | 38.3 | 35.3 | 35.3 | 32.4 |
| 75° | 32.4 | 32.4 | 32.4 | 29.4 | 29.4 | 26.5 | 26.5 | 26.5 | 23.5 | 23.5 | 23.5 |
| 77.5° | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 80° | 2.9 | 2.9 | 2.9 | 2.9 | 5.9 | 5.9 | 5.9 | 5.9 | 8.8 | 8.8 | 8.8 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 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: P#
 CATALOG NUMBER: P3ART24R709035D010 E3LCWW1H

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 509.2 | 509.2 | 509.2 | 509.2 | 509.2 | 509.2 | 509.2 | 509.2 | 509.2 | 509.2 |
| 2.5° | 503.4 | 494.5 | 488.6 | 485.7 | 476.9 | 473.9 | 471.0 | 468.0 | 468.0 | 468.0 |
| 5° | 491.6 | 476.9 | 462.1 | 453.3 | 441.5 | 435.6 | 429.8 | 426.8 | 423.9 | 423.9 |
| 7.5° | 471.0 | 453.3 | 435.6 | 420.9 | 409.2 | 397.4 | 391.5 | 385.6 | 385.6 | 382.7 |
| 10° | 450.4 | 426.8 | 406.2 | 385.6 | 373.8 | 359.1 | 353.2 | 347.3 | 344.4 | 344.4 |
| 12.5° | 426.8 | 397.4 | 373.8 | 356.2 | 338.5 | 326.7 | 317.9 | 312.0 | 309.1 | 309.1 |
| 15° | 400.3 | 370.9 | 344.4 | 326.7 | 309.1 | 294.4 | 285.5 | 279.6 | 276.7 | 276.7 |
| 17.5° | 373.8 | 344.4 | 315.0 | 297.3 | 279.6 | 264.9 | 259.0 | 253.1 | 250.2 | 247.3 |
| 20° | 350.3 | 315.0 | 291.4 | 267.9 | 253.1 | 241.4 | 232.5 | 226.7 | 223.7 | 223.7 |
| 22.5° | 323.8 | 291.4 | 264.9 | 247.3 | 232.5 | 220.8 | 209.0 | 206.0 | 203.1 | 203.1 |
| 25° | 297.3 | 267.9 | 244.3 | 226.7 | 209.0 | 200.2 | 191.3 | 185.4 | 185.4 | 182.5 |
| 27.5° | 276.7 | 247.3 | 223.7 | 206.0 | 194.3 | 182.5 | 176.6 | 170.7 | 167.8 | 167.8 |
| 30° | 253.1 | 226.7 | 206.0 | 191.3 | 176.6 | 167.8 | 161.9 | 156.0 | 156.0 | 156.0 |
| 31° | 247.3 | 220.8 | 200.2 | 182.5 | 170.7 | 161.9 | 156.0 | 153.1 | 150.1 | 150.1 |
| 32.5° | 232.5 | 209.0 | 188.4 | 173.7 | 161.9 | 153.1 | 147.2 | 144.2 | 144.2 | 141.3 |
| 35° | 214.9 | 191.3 | 173.7 | 159.0 | 150.1 | 141.3 | 135.4 | 132.5 | 132.5 | 132.5 |
| 37.5° | 197.2 | 176.6 | 159.0 | 147.2 | 138.3 | 129.5 | 126.6 | 120.7 | 120.7 | 120.7 |
| 40° | 179.6 | 161.9 | 147.2 | 135.4 | 126.6 | 120.7 | 117.7 | 114.8 | 111.9 | 111.9 |
| 42.5° | 164.8 | 147.2 | 135.4 | 126.6 | 117.7 | 111.9 | 108.9 | 106.0 | 106.0 | 103.0 |
| 45° | 150.1 | 135.4 | 126.6 | 117.7 | 108.9 | 106.0 | 103.0 | 100.1 | 97.1 | 97.1 |
| 47.5° | 138.3 | 126.6 | 114.8 | 108.9 | 103.0 | 97.1 | 94.2 | 94.2 | 91.3 | 91.3 |
| 50° | 126.6 | 114.8 | 106.0 | 100.1 | 94.2 | 91.3 | 88.3 | 88.3 | 85.4 | 85.4 |
| 52.5° | 117.7 | 106.0 | 100.1 | 94.2 | 88.3 | 85.4 | 82.4 | 82.4 | 79.5 | 79.5 |
| 55° | 106.0 | 97.1 | 91.3 | 88.3 | 82.4 | 79.5 | 76.5 | 73.6 | 73.6 | 76.5 |
| 57.5° | 97.1 | 91.3 | 85.4 | 82.4 | 76.5 | 73.6 | 70.6 | 70.6 | 67.7 | 70.6 |
| 60° | 88.3 | 82.4 | 76.5 | 73.6 | 70.6 | 67.7 | 64.8 | 61.8 | 61.8 | 61.8 |
| 62.5° | 79.5 | 73.6 | 70.6 | 64.8 | 61.8 | 61.8 | 58.9 | 58.9 | 58.9 | 55.9 |
| 65° | 67.7 | 64.8 | 61.8 | 58.9 | 55.9 | 53.0 | 53.0 | 50.0 | 50.0 | 50.0 |
| 67.5° | 55.9 | 53.0 | 50.0 | 50.0 | 47.1 | 44.2 | 44.2 | 44.2 | 44.2 | 41.2 |
| 70° | 44.2 | 41.2 | 41.2 | 38.3 | 38.3 | 38.3 | 35.3 | 35.3 | 35.3 | 35.3 |
| 72.5° | 32.4 | 32.4 | 29.4 | 29.4 | 29.4 | 29.4 | 26.5 | 26.5 | 26.5 | 26.5 |
| 75° | 23.5 | 23.5 | 23.5 | 20.6 | 20.6 | 20.6 | 17.7 | 17.7 | 17.7 | 17.7 |
| 77.5° | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 80° | 8.8 | 8.8 | 8.8 | 8.8 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 2.9 |
| 82.5° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 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)