

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: P3ART20R709035D010 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: P3ART20R709035D010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

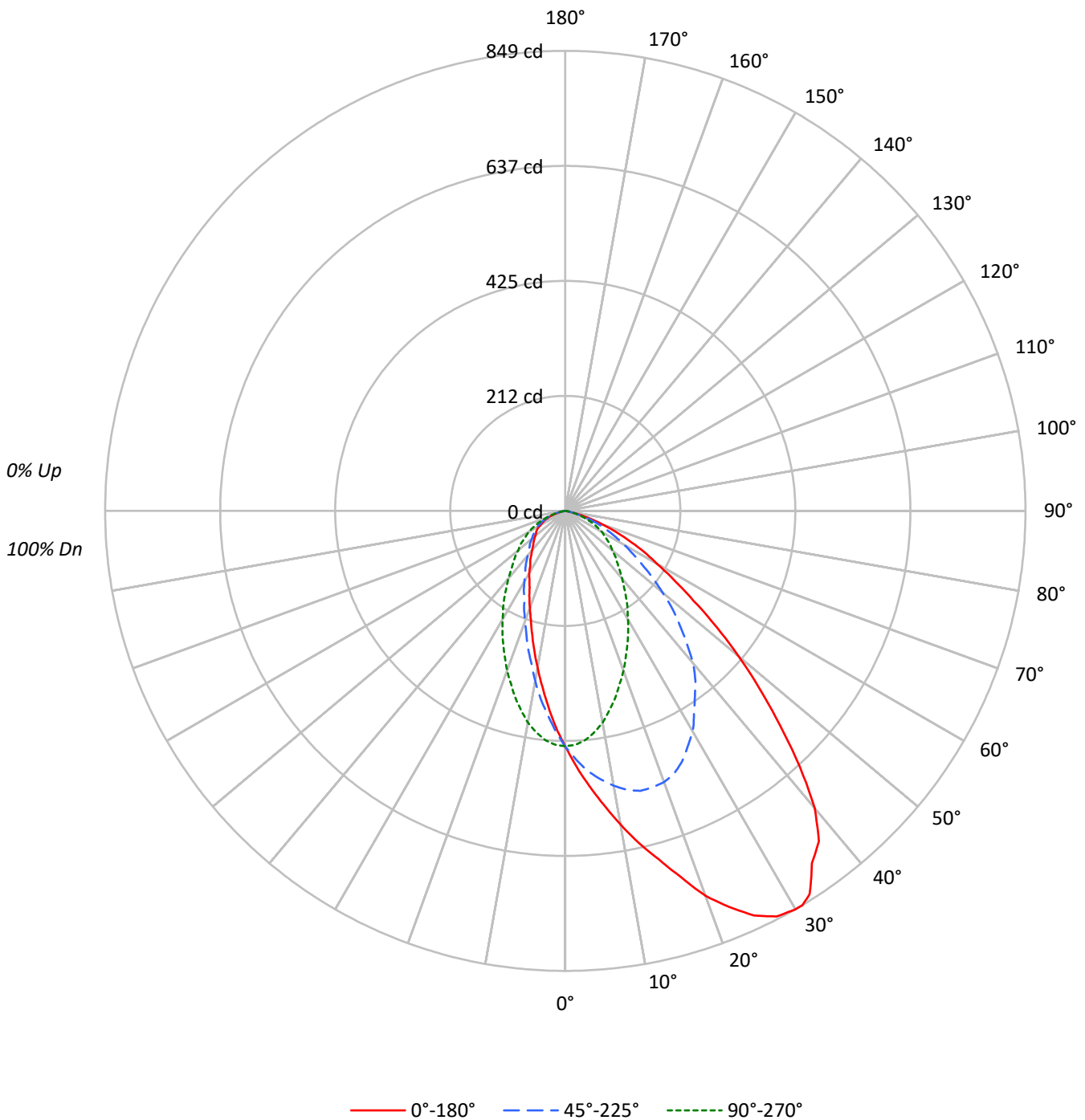
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 884.0 lumens
Efficiency: N/A
Efficacy: 30.7 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: P3ART20R709035D010 E3LCWW1H

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709035D010 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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | 88 | 88 |
| 2 | 102 | 95 | 90 | 85 | 100 | 93 | 88 | 84 | 90 | 86 | 82 | 87 | 83 | 80 | 84 | 81 | 78 | 76 | 76 | 76 |
| 3 | 94 | 85 | 78 | 72 | 92 | 84 | 77 | 72 | 81 | 75 | 71 | 78 | 73 | 69 | 76 | 72 | 68 | 66 | 66 | 66 |
| 4 | 87 | 77 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 69 | 64 | 60 | 58 | 58 | 58 |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 59 | 54 | 64 | 58 | 54 | 62 | 57 | 53 | 51 | 51 | 51 |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 54 | 49 | 60 | 53 | 48 | 59 | 53 | 48 | 57 | 52 | 47 | 46 | 46 | 46 |
| 7 | 70 | 57 | 49 | 44 | 68 | 57 | 49 | 44 | 55 | 48 | 43 | 54 | 48 | 43 | 52 | 47 | 43 | 41 | 41 | 41 |
| 8 | 65 | 53 | 45 | 39 | 64 | 52 | 45 | 39 | 51 | 44 | 39 | 50 | 43 | 39 | 48 | 43 | 39 | 37 | 37 | 37 |
| 9 | 61 | 49 | 41 | 36 | 60 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 35 | 45 | 39 | 35 | 34 | 34 | 34 |
| 10 | 57 | 45 | 38 | 33 | 56 | 45 | 37 | 33 | 44 | 37 | 33 | 43 | 37 | 32 | 42 | 36 | 32 | 31 | 31 | 31 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 95277 | 95277 | 95277 | 95277 | 95277 |
| 5° | 112238 | 106141 | 93440 | 82941 | 79617 |
| 10° | 130859 | 114649 | 88353 | 71030 | 65441 |
| 15° | 151102 | 121454 | 80977 | 59864 | 53598 |
| 20° | 176415 | 124261 | 73273 | 50404 | 44547 |
| 25° | 199318 | 123370 | 65641 | 43140 | 37672 |
| 30° | 214970 | 118930 | 58515 | 38158 | 33701 |
| 35° | 212467 | 111601 | 52441 | 34291 | 30249 |
| 40° | 204898 | 104968 | 46745 | 30915 | 27308 |
| 45° | 173692 | 92692 | 42051 | 28809 | 25708 |
| 50° | 142221 | 79690 | 38549 | 27428 | 24835 |
| 55° | 110409 | 66253 | 36472 | 26876 | 24964 |
| 60° | 85914 | 55083 | 34164 | 26445 | 23112 |
| 65° | 67763 | 45608 | 29990 | 24750 | 22155 |
| 70° | 46675 | 33788 | 24171 | 20965 | 19298 |
| 75° | 23384 | 19148 | 17029 | 14911 | 12793 |
| 80° | 3157 | 6314 | 9471 | 6314 | 3157 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 173692 cd/sqm



TEST NUMBER: P#
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 40.7 | 4.6 |
| 10°-20° | 113.2 | 12.8 |
| 20°-30° | 166.8 | 18.9 |
| 30°-40° | 187.0 | 21.2 |
| 40°-50° | 164.4 | 18.6 |
| 50°-60° | 117.7 | 13.3 |
| 60°-70° | 69.7 | 7.9 |
| 70°-80° | 23.4 | 2.6 |
| 80°-90° | 1.1 | 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° | 320.7 | 36.3 |
| 0°-40° | 507.7 | 57.4 |
| 0°-60° | 789.8 | 89.3 |
| 0°-90° | 884.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 884.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 434 | 434 | 434 | 434 | 434 | |
| 5° | 510 | 482 | 424 | 377 | 362 | 51 |
| 15° | 666 | 535 | 357 | 264 | 236 | 192 |
| 25° | 824 | 510 | 271 | 178 | 156 | 379 |
| 35° | 794 | 417 | 196 | 128 | 113 | 499 |
| 45° | 560 | 299 | 136 | 93 | 83 | 433 |
| 55° | 289 | 173 | 95 | 70 | 65 | 264 |
| 65° | 131 | 88 | 58 | 48 | 43 | 130 |
| 75° | 28 | 23 | 20 | 18 | 15 | 34 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709035D010 E3LCWW1H

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 434.5 | 434.5 | 434.5 | 434.5 | 434.5 | 434.5 | 434.5 | 434.5 | 434.5 | 434.5 | 434.5 |
| 2.5° | 472.2 | 472.2 | 472.2 | 467.2 | 467.2 | 459.6 | 454.6 | 447.1 | 442.1 | 434.5 | 432.0 |
| 5° | 509.9 | 509.9 | 504.9 | 499.8 | 492.3 | 482.2 | 469.7 | 457.1 | 442.1 | 429.5 | 424.5 |
| 7.5° | 547.5 | 550.1 | 542.5 | 532.5 | 517.4 | 499.8 | 482.2 | 462.2 | 439.5 | 422.0 | 411.9 |
| 10° | 587.7 | 587.7 | 577.7 | 562.6 | 540.0 | 514.9 | 487.3 | 459.6 | 432.0 | 406.9 | 396.8 |
| 12.5° | 627.9 | 625.4 | 612.9 | 590.2 | 562.6 | 527.5 | 489.8 | 454.6 | 422.0 | 391.8 | 376.8 |
| 15° | 665.6 | 665.6 | 648.0 | 620.4 | 580.2 | 535.0 | 489.8 | 444.6 | 406.9 | 371.7 | 356.7 |
| 17.5° | 708.3 | 708.3 | 685.7 | 643.0 | 592.8 | 535.0 | 482.2 | 432.0 | 389.3 | 351.6 | 334.1 |
| 20° | 756.0 | 753.5 | 720.9 | 663.1 | 597.8 | 532.5 | 472.2 | 416.9 | 369.2 | 329.0 | 314.0 |
| 22.5° | 791.2 | 788.7 | 751.0 | 680.7 | 600.3 | 524.9 | 454.6 | 396.8 | 349.1 | 308.9 | 291.4 |
| 25° | 823.8 | 818.8 | 776.1 | 688.2 | 595.3 | 509.9 | 437.0 | 374.2 | 329.0 | 288.8 | 271.3 |
| 27.5° | 843.9 | 841.4 | 793.7 | 685.7 | 582.7 | 489.8 | 414.4 | 354.1 | 306.4 | 266.2 | 251.2 |
| 30° | 849.0 | 851.5 | 793.7 | 673.1 | 562.6 | 469.7 | 391.8 | 331.5 | 283.8 | 248.7 | 231.1 |
| 31° | 849.0 | 851.5 | 788.7 | 665.6 | 555.1 | 459.6 | 381.8 | 324.0 | 273.8 | 238.6 | 223.5 |
| 32.5° | 838.9 | 833.9 | 781.1 | 653.0 | 537.5 | 442.1 | 369.2 | 311.5 | 261.2 | 226.1 | 213.5 |
| 35° | 793.7 | 796.2 | 756.0 | 625.4 | 512.4 | 416.9 | 344.1 | 286.3 | 238.6 | 208.5 | 195.9 |
| 37.5° | 768.6 | 768.6 | 695.7 | 587.7 | 484.8 | 394.3 | 314.0 | 258.7 | 218.5 | 190.9 | 178.3 |
| 40° | 715.8 | 708.3 | 640.5 | 547.5 | 452.1 | 366.7 | 296.4 | 241.1 | 200.9 | 173.3 | 163.3 |
| 42.5° | 640.5 | 632.9 | 580.2 | 512.4 | 409.4 | 331.5 | 281.3 | 213.5 | 180.8 | 158.2 | 148.2 |
| 45° | 560.1 | 555.1 | 514.9 | 452.1 | 369.2 | 298.9 | 243.6 | 195.9 | 165.8 | 143.2 | 135.6 |
| 47.5° | 487.3 | 479.7 | 449.6 | 401.9 | 334.1 | 268.8 | 211.0 | 175.8 | 148.2 | 130.6 | 125.6 |
| 50° | 416.9 | 414.4 | 389.3 | 351.6 | 296.4 | 233.6 | 185.9 | 155.7 | 135.6 | 120.6 | 113.0 |
| 52.5° | 351.6 | 346.6 | 334.1 | 303.9 | 258.7 | 203.4 | 163.3 | 138.1 | 120.6 | 110.5 | 105.5 |
| 55° | 288.8 | 288.8 | 276.3 | 256.2 | 221.0 | 173.3 | 143.2 | 123.1 | 108.0 | 100.5 | 95.4 |
| 57.5° | 238.6 | 238.6 | 228.6 | 216.0 | 183.4 | 148.2 | 125.6 | 108.0 | 98.0 | 90.4 | 85.4 |
| 60° | 195.9 | 195.9 | 188.4 | 175.8 | 153.2 | 125.6 | 108.0 | 95.4 | 87.9 | 80.4 | 77.9 |
| 62.5° | 163.3 | 160.7 | 155.7 | 143.2 | 125.6 | 105.5 | 92.9 | 82.9 | 75.4 | 70.3 | 67.8 |
| 65° | 130.6 | 128.1 | 123.1 | 113.0 | 100.5 | 87.9 | 77.9 | 70.3 | 65.3 | 60.3 | 57.8 |
| 67.5° | 100.5 | 100.5 | 95.4 | 87.9 | 77.9 | 70.3 | 62.8 | 57.8 | 52.7 | 50.2 | 47.7 |
| 70° | 72.8 | 72.8 | 70.3 | 65.3 | 57.8 | 52.7 | 47.7 | 45.2 | 42.7 | 40.2 | 37.7 |
| 72.5° | 50.2 | 50.2 | 47.7 | 45.2 | 40.2 | 37.7 | 32.7 | 32.7 | 30.1 | 30.1 | 27.6 |
| 75° | 27.6 | 27.6 | 27.6 | 25.1 | 25.1 | 22.6 | 22.6 | 22.6 | 20.1 | 20.1 | 20.1 |
| 77.5° | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 |
| 80° | 2.5 | 2.5 | 2.5 | 2.5 | 5.0 | 5.0 | 5.0 | 5.0 | 7.5 | 7.5 | 7.5 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 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: P3ART20R709035D010 E3LCWW1H

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 434.5 | 434.5 | 434.5 | 434.5 | 434.5 | 434.5 | 434.5 | 434.5 | 434.5 | 434.5 |
| 2.5° | 429.5 | 422.0 | 416.9 | 414.4 | 406.9 | 404.4 | 401.9 | 399.4 | 399.4 | 399.4 |
| 5° | 419.5 | 406.9 | 394.3 | 386.8 | 376.8 | 371.7 | 366.7 | 364.2 | 361.7 | 361.7 |
| 7.5° | 401.9 | 386.8 | 371.7 | 359.2 | 349.1 | 339.1 | 334.1 | 329.0 | 329.0 | 326.5 |
| 10° | 384.3 | 364.2 | 346.6 | 329.0 | 319.0 | 306.4 | 301.4 | 296.4 | 293.9 | 293.9 |
| 12.5° | 364.2 | 339.1 | 319.0 | 303.9 | 288.8 | 278.8 | 271.3 | 266.2 | 263.7 | 263.7 |
| 15° | 341.6 | 316.5 | 293.9 | 278.8 | 263.7 | 251.2 | 243.6 | 238.6 | 236.1 | 236.1 |
| 17.5° | 319.0 | 293.9 | 268.8 | 253.7 | 238.6 | 226.1 | 221.0 | 216.0 | 213.5 | 211.0 |
| 20° | 298.9 | 268.8 | 248.7 | 228.6 | 216.0 | 206.0 | 198.4 | 193.4 | 190.9 | 190.9 |
| 22.5° | 276.3 | 248.7 | 226.1 | 211.0 | 198.4 | 188.4 | 178.3 | 175.8 | 173.3 | 173.3 |
| 25° | 253.7 | 228.6 | 208.5 | 193.4 | 178.3 | 170.8 | 163.3 | 158.2 | 158.2 | 155.7 |
| 27.5° | 236.1 | 211.0 | 190.9 | 175.8 | 165.8 | 155.7 | 150.7 | 145.7 | 143.2 | 143.2 |
| 30° | 216.0 | 193.4 | 175.8 | 163.3 | 150.7 | 143.2 | 138.1 | 133.1 | 133.1 | 133.1 |
| 31° | 211.0 | 188.4 | 170.8 | 155.7 | 145.7 | 138.1 | 133.1 | 130.6 | 128.1 | 128.1 |
| 32.5° | 198.4 | 178.3 | 160.7 | 148.2 | 138.1 | 130.6 | 125.6 | 123.1 | 123.1 | 120.6 |
| 35° | 183.4 | 163.3 | 148.2 | 135.6 | 128.1 | 120.6 | 115.5 | 113.0 | 113.0 | 113.0 |
| 37.5° | 168.3 | 150.7 | 135.6 | 125.6 | 118.0 | 110.5 | 108.0 | 103.0 | 103.0 | 103.0 |
| 40° | 153.2 | 138.1 | 125.6 | 115.5 | 108.0 | 103.0 | 100.5 | 98.0 | 95.4 | 95.4 |
| 42.5° | 140.7 | 125.6 | 115.5 | 108.0 | 100.5 | 95.4 | 92.9 | 90.4 | 90.4 | 87.9 |
| 45° | 128.1 | 115.5 | 108.0 | 100.5 | 92.9 | 90.4 | 87.9 | 85.4 | 82.9 | 82.9 |
| 47.5° | 118.0 | 108.0 | 98.0 | 92.9 | 87.9 | 82.9 | 80.4 | 80.4 | 77.9 | 77.9 |
| 50° | 108.0 | 98.0 | 90.4 | 85.4 | 80.4 | 77.9 | 75.4 | 75.4 | 72.8 | 72.8 |
| 52.5° | 100.5 | 90.4 | 85.4 | 80.4 | 75.4 | 72.8 | 70.3 | 70.3 | 67.8 | 67.8 |
| 55° | 90.4 | 82.9 | 77.9 | 75.4 | 70.3 | 67.8 | 65.3 | 62.8 | 62.8 | 65.3 |
| 57.5° | 82.9 | 77.9 | 72.8 | 70.3 | 65.3 | 62.8 | 60.3 | 60.3 | 57.8 | 60.3 |
| 60° | 75.4 | 70.3 | 65.3 | 62.8 | 60.3 | 57.8 | 55.3 | 52.7 | 52.7 | 52.7 |
| 62.5° | 67.8 | 62.8 | 60.3 | 55.3 | 52.7 | 52.7 | 50.2 | 50.2 | 50.2 | 47.7 |
| 65° | 57.8 | 55.3 | 52.7 | 50.2 | 47.7 | 45.2 | 45.2 | 42.7 | 42.7 | 42.7 |
| 67.5° | 47.7 | 45.2 | 42.7 | 42.7 | 40.2 | 37.7 | 37.7 | 37.7 | 37.7 | 35.2 |
| 70° | 37.7 | 35.2 | 35.2 | 32.7 | 32.7 | 32.7 | 30.1 | 30.1 | 30.1 | 30.1 |
| 72.5° | 27.6 | 27.6 | 25.1 | 25.1 | 25.1 | 25.1 | 22.6 | 22.6 | 22.6 | 22.6 |
| 75° | 20.1 | 20.1 | 20.1 | 17.6 | 17.6 | 17.6 | 15.1 | 15.1 | 15.1 | 15.1 |
| 77.5° | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| 80° | 7.5 | 7.5 | 7.5 | 7.5 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 2.5 |
| 82.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 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)