

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: P3ART20R709030D010 E3LCWW1GPH

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: P3ART20R709030D010 E3LCWW1GPH
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LCWW1GPH TRIM
Light Source: -
Ballast/Driver: -

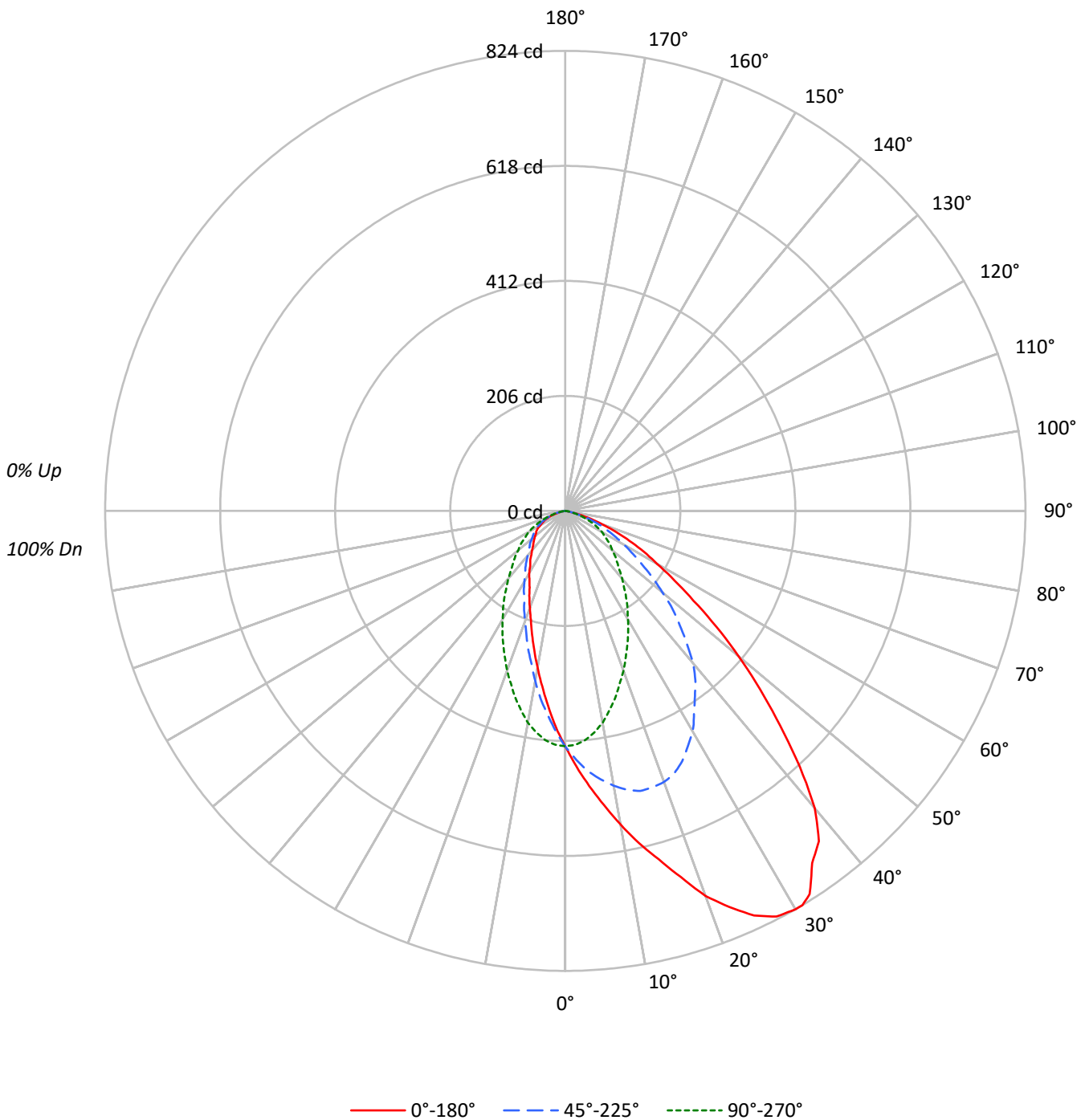
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 858.0 lumens
Efficiency: N/A
Efficacy: 29.8 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 (A_{in}): 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: P3ART20R709030D010 E3LCWW1GPH

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709030D010 E3LCWW1GPH

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 | 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° | 92471 | 92471 | 92471 | 92471 | 92471 |
| 5° | 108937 | 103037 | 90689 | 80497 | 77262 |
| 10° | 127007 | 111287 | 85770 | 68937 | 63504 |
| 15° | 146652 | 117889 | 78593 | 58116 | 52032 |
| 20° | 171235 | 120597 | 71103 | 48934 | 43240 |
| 25° | 193463 | 119741 | 63705 | 41881 | 36559 |
| 30° | 208640 | 115435 | 56794 | 37044 | 32714 |
| 35° | 206230 | 108335 | 50888 | 33274 | 29366 |
| 40° | 198887 | 101877 | 45371 | 29999 | 26507 |
| 45° | 168576 | 89963 | 40810 | 27972 | 24933 |
| 50° | 138059 | 77336 | 37423 | 26609 | 24119 |
| 55° | 107160 | 64304 | 35401 | 26111 | 24238 |
| 60° | 83371 | 53461 | 33155 | 25656 | 22454 |
| 65° | 65792 | 44259 | 29108 | 24023 | 21481 |
| 70° | 45328 | 32826 | 23465 | 20324 | 18785 |
| 75° | 22706 | 18554 | 16521 | 14488 | 12370 |
| 80° | 3031 | 6188 | 9218 | 6188 | 3031 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 168576 cd/sqm



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709030D010 E3LCWW1GPH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 39.5 | 4.6 |
| 10°-20° | 109.9 | 12.8 |
| 20°-30° | 161.9 | 18.9 |
| 30°-40° | 181.5 | 21.2 |
| 40°-50° | 159.6 | 18.6 |
| 50°-60° | 114.2 | 13.3 |
| 60°-70° | 67.6 | 7.9 |
| 70°-80° | 22.7 | 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° | 311.3 | 36.3 |
| 0°-40° | 492.8 | 57.4 |
| 0°-60° | 766.6 | 89.3 |
| 0°-90° | 858.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 858.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 422 | 422 | 422 | 422 | 422 | |
| 5° | 495 | 468 | 412 | 366 | 351 | 49 |
| 15° | 646 | 519 | 346 | 256 | 229 | 186 |
| 25° | 800 | 495 | 263 | 173 | 151 | 368 |
| 35° | 770 | 405 | 190 | 124 | 110 | 484 |
| 45° | 544 | 290 | 132 | 90 | 80 | 420 |
| 55° | 280 | 168 | 93 | 68 | 63 | 256 |
| 65° | 127 | 85 | 56 | 46 | 41 | 127 |
| 75° | 27 | 22 | 20 | 17 | 15 | 33 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709030D010 E3LCWW1GPH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 421.7 | 421.7 | 421.7 | 421.7 | 421.7 | 421.7 | 421.7 | 421.7 | 421.7 | 421.7 | 421.7 |
| 2.5° | 458.3 | 458.3 | 458.3 | 453.4 | 453.4 | 446.1 | 441.2 | 433.9 | 429.1 | 421.7 | 419.3 |
| 5° | 494.9 | 494.9 | 490.0 | 485.1 | 477.8 | 468.1 | 455.9 | 443.7 | 429.1 | 416.9 | 412.0 |
| 7.5° | 531.4 | 533.9 | 526.6 | 516.8 | 502.2 | 485.1 | 468.1 | 448.6 | 426.6 | 409.6 | 399.8 |
| 10° | 570.4 | 570.4 | 560.7 | 546.1 | 524.1 | 499.8 | 472.9 | 446.1 | 419.3 | 394.9 | 385.2 |
| 12.5° | 609.5 | 607.0 | 594.8 | 572.9 | 546.1 | 511.9 | 475.4 | 441.2 | 409.6 | 380.3 | 365.7 |
| 15° | 646.0 | 646.0 | 629.0 | 602.1 | 563.1 | 519.3 | 475.4 | 431.5 | 394.9 | 360.8 | 346.2 |
| 17.5° | 687.5 | 687.5 | 665.5 | 624.1 | 575.3 | 519.3 | 468.1 | 419.3 | 377.9 | 341.3 | 324.2 |
| 20° | 733.8 | 731.3 | 699.7 | 643.6 | 580.2 | 516.8 | 458.3 | 404.7 | 358.4 | 319.4 | 304.7 |
| 22.5° | 767.9 | 765.5 | 728.9 | 660.6 | 582.6 | 509.5 | 441.2 | 385.2 | 338.9 | 299.9 | 282.8 |
| 25° | 799.6 | 794.7 | 753.3 | 668.0 | 577.8 | 494.9 | 424.2 | 363.2 | 319.4 | 280.3 | 263.3 |
| 27.5° | 819.1 | 816.7 | 770.4 | 665.5 | 565.6 | 475.4 | 402.2 | 343.7 | 297.4 | 258.4 | 243.8 |
| 30° | 824.0 | 826.4 | 770.4 | 653.3 | 546.1 | 455.9 | 380.3 | 321.8 | 275.5 | 241.3 | 224.3 |
| 31° | 824.0 | 826.4 | 765.5 | 646.0 | 538.8 | 446.1 | 370.5 | 314.5 | 265.7 | 231.6 | 217.0 |
| 32.5° | 814.2 | 809.4 | 758.2 | 633.8 | 521.7 | 429.1 | 358.4 | 302.3 | 253.5 | 219.4 | 207.2 |
| 35° | 770.4 | 772.8 | 733.8 | 607.0 | 497.3 | 404.7 | 334.0 | 277.9 | 231.6 | 202.3 | 190.1 |
| 37.5° | 746.0 | 746.0 | 675.3 | 570.4 | 470.5 | 382.7 | 304.7 | 251.1 | 212.1 | 185.3 | 173.1 |
| 40° | 694.8 | 687.5 | 621.6 | 531.4 | 438.8 | 355.9 | 287.7 | 234.0 | 195.0 | 168.2 | 158.5 |
| 42.5° | 621.6 | 614.3 | 563.1 | 497.3 | 397.4 | 321.8 | 273.0 | 207.2 | 175.5 | 153.6 | 143.8 |
| 45° | 543.6 | 538.8 | 499.8 | 438.8 | 358.4 | 290.1 | 236.5 | 190.1 | 160.9 | 139.0 | 131.6 |
| 47.5° | 472.9 | 465.6 | 436.4 | 390.1 | 324.2 | 260.8 | 204.8 | 170.6 | 143.8 | 126.8 | 121.9 |
| 50° | 404.7 | 402.2 | 377.9 | 341.3 | 287.7 | 226.7 | 180.4 | 151.1 | 131.6 | 117.0 | 109.7 |
| 52.5° | 341.3 | 336.4 | 324.2 | 295.0 | 251.1 | 197.5 | 158.5 | 134.1 | 117.0 | 107.3 | 102.4 |
| 55° | 280.3 | 280.3 | 268.2 | 248.7 | 214.5 | 168.2 | 139.0 | 119.5 | 104.8 | 97.5 | 92.6 |
| 57.5° | 231.6 | 231.6 | 221.8 | 209.7 | 178.0 | 143.8 | 121.9 | 104.8 | 95.1 | 87.8 | 82.9 |
| 60° | 190.1 | 190.1 | 182.8 | 170.6 | 148.7 | 121.9 | 104.8 | 92.6 | 85.3 | 78.0 | 75.6 |
| 62.5° | 158.5 | 156.0 | 151.1 | 139.0 | 121.9 | 102.4 | 90.2 | 80.4 | 73.1 | 68.3 | 65.8 |
| 65° | 126.8 | 124.3 | 119.5 | 109.7 | 97.5 | 85.3 | 75.6 | 68.3 | 63.4 | 58.5 | 56.1 |
| 67.5° | 97.5 | 97.5 | 92.6 | 85.3 | 75.6 | 68.3 | 60.9 | 56.1 | 51.2 | 48.8 | 46.3 |
| 70° | 70.7 | 70.7 | 68.3 | 63.4 | 56.1 | 51.2 | 46.3 | 43.9 | 41.4 | 39.0 | 36.6 |
| 72.5° | 48.8 | 48.8 | 46.3 | 43.9 | 39.0 | 36.6 | 31.7 | 31.7 | 29.3 | 29.3 | 26.8 |
| 75° | 26.8 | 26.8 | 26.8 | 24.4 | 24.4 | 21.9 | 21.9 | 21.9 | 19.5 | 19.5 | 19.5 |
| 77.5° | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 |
| 80° | 2.4 | 2.4 | 2.4 | 2.4 | 4.9 | 4.9 | 4.9 | 4.9 | 7.3 | 7.3 | 7.3 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 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: P3ART20R709030D010 E3LCWW1GPH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 421.7 | 421.7 | 421.7 | 421.7 | 421.7 | 421.7 | 421.7 | 421.7 | 421.7 | 421.7 |
| 2.5° | 416.9 | 409.6 | 404.7 | 402.2 | 394.9 | 392.5 | 390.1 | 387.6 | 387.6 | 387.6 |
| 5° | 407.1 | 394.9 | 382.7 | 375.4 | 365.7 | 360.8 | 355.9 | 353.5 | 351.0 | 351.0 |
| 7.5° | 390.1 | 375.4 | 360.8 | 348.6 | 338.9 | 329.1 | 324.2 | 319.4 | 319.4 | 316.9 |
| 10° | 373.0 | 353.5 | 336.4 | 319.4 | 309.6 | 297.4 | 292.5 | 287.7 | 285.2 | 285.2 |
| 12.5° | 353.5 | 329.1 | 309.6 | 295.0 | 280.3 | 270.6 | 263.3 | 258.4 | 256.0 | 256.0 |
| 15° | 331.5 | 307.2 | 285.2 | 270.6 | 256.0 | 243.8 | 236.5 | 231.6 | 229.2 | 229.2 |
| 17.5° | 309.6 | 285.2 | 260.8 | 246.2 | 231.6 | 219.4 | 214.5 | 209.7 | 207.2 | 204.8 |
| 20° | 290.1 | 260.8 | 241.3 | 221.8 | 209.7 | 199.9 | 192.6 | 187.7 | 185.3 | 185.3 |
| 22.5° | 268.2 | 241.3 | 219.4 | 204.8 | 192.6 | 182.8 | 173.1 | 170.6 | 168.2 | 168.2 |
| 25° | 246.2 | 221.8 | 202.3 | 187.7 | 173.1 | 165.8 | 158.5 | 153.6 | 153.6 | 151.1 |
| 27.5° | 229.2 | 204.8 | 185.3 | 170.6 | 160.9 | 151.1 | 146.3 | 141.4 | 139.0 | 139.0 |
| 30° | 209.7 | 187.7 | 170.6 | 158.5 | 146.3 | 139.0 | 134.1 | 129.2 | 129.2 | 129.2 |
| 31° | 204.8 | 182.8 | 165.8 | 151.1 | 141.4 | 134.1 | 129.2 | 126.8 | 124.3 | 124.3 |
| 32.5° | 192.6 | 173.1 | 156.0 | 143.8 | 134.1 | 126.8 | 121.9 | 119.5 | 119.5 | 117.0 |
| 35° | 178.0 | 158.5 | 143.8 | 131.6 | 124.3 | 117.0 | 112.1 | 109.7 | 109.7 | 109.7 |
| 37.5° | 163.3 | 146.3 | 131.6 | 121.9 | 114.6 | 107.3 | 104.8 | 100.0 | 100.0 | 100.0 |
| 40° | 148.7 | 134.1 | 121.9 | 112.1 | 104.8 | 100.0 | 97.5 | 95.1 | 92.6 | 92.6 |
| 42.5° | 136.5 | 121.9 | 112.1 | 104.8 | 97.5 | 92.6 | 90.2 | 87.8 | 87.8 | 85.3 |
| 45° | 124.3 | 112.1 | 104.8 | 97.5 | 90.2 | 87.8 | 85.3 | 82.9 | 80.4 | 80.4 |
| 47.5° | 114.6 | 104.8 | 95.1 | 90.2 | 85.3 | 80.4 | 78.0 | 78.0 | 75.6 | 75.6 |
| 50° | 104.8 | 95.1 | 87.8 | 82.9 | 78.0 | 75.6 | 73.1 | 73.1 | 70.7 | 70.7 |
| 52.5° | 97.5 | 87.8 | 82.9 | 78.0 | 73.1 | 70.7 | 68.3 | 68.3 | 65.8 | 65.8 |
| 55° | 87.8 | 80.4 | 75.6 | 73.1 | 68.3 | 65.8 | 63.4 | 60.9 | 60.9 | 63.4 |
| 57.5° | 80.4 | 75.6 | 70.7 | 68.3 | 63.4 | 60.9 | 58.5 | 58.5 | 56.1 | 58.5 |
| 60° | 73.1 | 68.3 | 63.4 | 60.9 | 58.5 | 56.1 | 53.6 | 51.2 | 51.2 | 51.2 |
| 62.5° | 65.8 | 60.9 | 58.5 | 53.6 | 51.2 | 51.2 | 48.8 | 48.8 | 48.8 | 46.3 |
| 65° | 56.1 | 53.6 | 51.2 | 48.8 | 46.3 | 43.9 | 43.9 | 41.4 | 41.4 | 41.4 |
| 67.5° | 46.3 | 43.9 | 41.4 | 41.4 | 39.0 | 36.6 | 36.6 | 36.6 | 36.6 | 34.1 |
| 70° | 36.6 | 34.1 | 34.1 | 31.7 | 31.7 | 31.7 | 29.3 | 29.3 | 29.3 | 29.3 |
| 72.5° | 26.8 | 26.8 | 24.4 | 24.4 | 24.4 | 24.4 | 21.9 | 21.9 | 21.9 | 21.9 |
| 75° | 19.5 | 19.5 | 19.5 | 17.1 | 17.1 | 17.1 | 14.6 | 14.6 | 14.6 | 14.6 |
| 77.5° | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| 80° | 7.3 | 7.3 | 7.3 | 7.3 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 2.4 |
| 82.5° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 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)