

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: P3ART20R709040D010 E3LCWW1B

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: P3ART20R709040D010 E3LCWW1B
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3LCWW1B TRIM
Light Source: -
Ballast/Driver: -

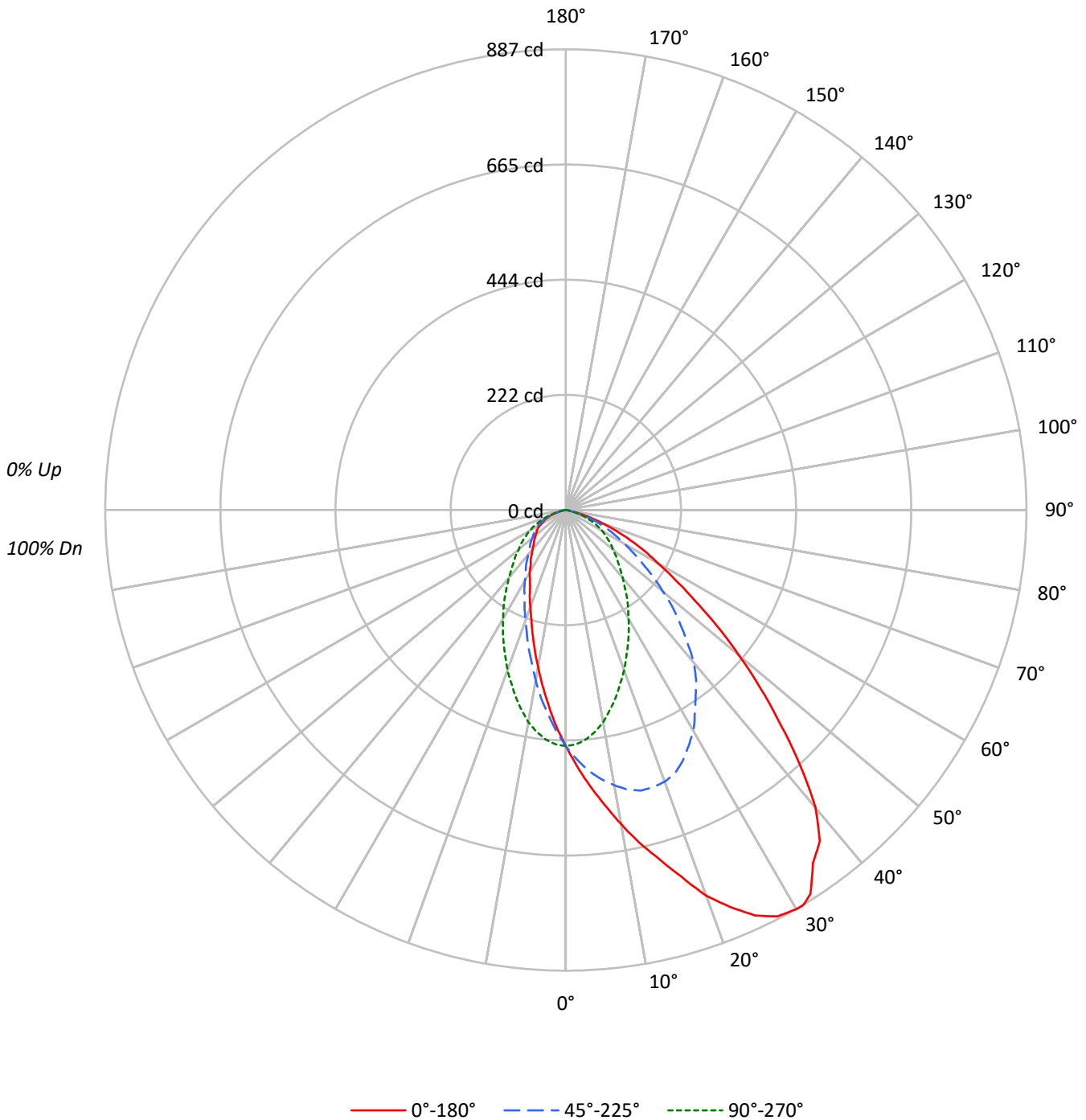
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 924.0 lumens
Efficiency: N/A
Efficacy: 32.1 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: P3ART20R709040D010 E3LCWW1B

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709040D010 E3LCWW1B

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 | 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° | 99597 | 99597 | 99597 | 99597 | 99597 |
| 5° | 117301 | 110962 | 97666 | 86683 | 83205 |
| 10° | 136782 | 119837 | 92361 | 74236 | 68402 |
| 15° | 157935 | 126947 | 84632 | 62588 | 56028 |
| 20° | 184396 | 129885 | 76587 | 52691 | 46554 |
| 25° | 208343 | 128935 | 68593 | 45099 | 39389 |
| 30° | 224693 | 124298 | 61149 | 39880 | 35221 |
| 35° | 222078 | 116660 | 54823 | 35844 | 31614 |
| 40° | 214173 | 109720 | 48834 | 32318 | 28568 |
| 45° | 181569 | 96878 | 43974 | 30112 | 26856 |
| 50° | 148669 | 83306 | 40289 | 28656 | 25961 |
| 55° | 115418 | 69235 | 38154 | 28099 | 26111 |
| 60° | 89817 | 57583 | 35699 | 27629 | 24165 |
| 65° | 70825 | 47683 | 31339 | 25891 | 23141 |
| 70° | 48790 | 35326 | 25261 | 21863 | 20196 |
| 75° | 24485 | 19995 | 17792 | 15589 | 13386 |
| 80° | 3283 | 6693 | 9976 | 6693 | 3283 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 181569 cd/sqm



TEST NUMBER: P#
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 42.5 | 4.6 |
| 10°-20° | 118.3 | 12.8 |
| 20°-30° | 174.4 | 18.9 |
| 30°-40° | 195.5 | 21.2 |
| 40°-50° | 171.9 | 18.6 |
| 50°-60° | 123.0 | 13.3 |
| 60°-70° | 72.8 | 7.9 |
| 70°-80° | 24.4 | 2.6 |
| 80°-90° | 1.2 | 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° | 335.2 | 36.3 |
| 0°-40° | 530.7 | 57.4 |
| 0°-60° | 825.6 | 89.3 |
| 0°-90° | 924.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 924.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 454 | 454 | 454 | 454 | 454 | |
| 5° | 533 | 504 | 444 | 394 | 378 | 53 |
| 15° | 696 | 559 | 373 | 276 | 247 | 201 |
| 25° | 861 | 533 | 284 | 186 | 163 | 396 |
| 35° | 830 | 436 | 205 | 134 | 118 | 521 |
| 45° | 586 | 312 | 142 | 97 | 87 | 453 |
| 55° | 302 | 181 | 100 | 74 | 68 | 276 |
| 65° | 136 | 92 | 60 | 50 | 45 | 136 |
| 75° | 29 | 24 | 21 | 18 | 16 | 35 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709040D010 E3LCWW1B

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 454.2 | 454.2 | 454.2 | 454.2 | 454.2 | 454.2 | 454.2 | 454.2 | 454.2 | 454.2 | 454.2 |
| 2.5° | 493.6 | 493.6 | 493.6 | 488.3 | 488.3 | 480.4 | 475.2 | 467.3 | 462.1 | 454.2 | 451.6 |
| 5° | 532.9 | 532.9 | 527.7 | 522.4 | 514.6 | 504.1 | 490.9 | 477.8 | 462.1 | 448.9 | 443.7 |
| 7.5° | 572.3 | 575.0 | 567.1 | 556.6 | 540.8 | 522.4 | 504.1 | 483.1 | 459.4 | 441.1 | 430.6 |
| 10° | 614.3 | 614.3 | 603.8 | 588.1 | 564.4 | 538.2 | 509.3 | 480.4 | 451.6 | 425.3 | 414.8 |
| 12.5° | 656.3 | 653.7 | 640.6 | 617.0 | 588.1 | 551.3 | 511.9 | 475.2 | 441.1 | 409.6 | 393.8 |
| 15° | 695.7 | 695.7 | 677.3 | 648.5 | 606.5 | 559.2 | 511.9 | 464.7 | 425.3 | 388.6 | 372.8 |
| 17.5° | 740.3 | 740.3 | 716.7 | 672.1 | 619.6 | 559.2 | 504.1 | 451.6 | 406.9 | 367.5 | 349.2 |
| 20° | 790.2 | 787.6 | 753.5 | 693.1 | 624.8 | 556.6 | 493.6 | 435.8 | 385.9 | 343.9 | 328.2 |
| 22.5° | 827.0 | 824.4 | 785.0 | 711.5 | 627.5 | 548.7 | 475.2 | 414.8 | 364.9 | 322.9 | 304.5 |
| 25° | 861.1 | 855.9 | 811.2 | 719.3 | 622.2 | 532.9 | 456.8 | 391.2 | 343.9 | 301.9 | 283.5 |
| 27.5° | 882.1 | 879.5 | 829.6 | 716.7 | 609.1 | 511.9 | 433.2 | 370.2 | 320.3 | 278.3 | 262.5 |
| 30° | 887.4 | 890.0 | 829.6 | 703.6 | 588.1 | 490.9 | 409.6 | 346.5 | 296.7 | 259.9 | 241.5 |
| 31° | 887.4 | 890.0 | 824.4 | 695.7 | 580.2 | 480.4 | 399.1 | 338.7 | 286.2 | 249.4 | 233.7 |
| 32.5° | 876.9 | 871.6 | 816.5 | 682.6 | 561.8 | 462.1 | 385.9 | 325.5 | 273.0 | 236.3 | 223.2 |
| 35° | 829.6 | 832.2 | 790.2 | 653.7 | 535.6 | 435.8 | 359.7 | 299.3 | 249.4 | 217.9 | 204.8 |
| 37.5° | 803.4 | 803.4 | 727.2 | 614.3 | 506.7 | 412.2 | 328.2 | 270.4 | 228.4 | 199.5 | 186.4 |
| 40° | 748.2 | 740.3 | 669.5 | 572.3 | 472.6 | 383.3 | 309.8 | 252.0 | 210.0 | 181.1 | 170.6 |
| 42.5° | 669.5 | 661.6 | 606.5 | 535.6 | 427.9 | 346.5 | 294.0 | 223.2 | 189.0 | 165.4 | 154.9 |
| 45° | 585.5 | 580.2 | 538.2 | 472.6 | 385.9 | 312.4 | 254.7 | 204.8 | 173.3 | 149.6 | 141.8 |
| 47.5° | 509.3 | 501.4 | 469.9 | 420.1 | 349.2 | 280.9 | 220.5 | 183.8 | 154.9 | 136.5 | 131.3 |
| 50° | 435.8 | 433.2 | 406.9 | 367.5 | 309.8 | 244.2 | 194.3 | 162.8 | 141.8 | 126.0 | 118.1 |
| 52.5° | 367.5 | 362.3 | 349.2 | 317.7 | 270.4 | 212.7 | 170.6 | 144.4 | 126.0 | 115.5 | 110.3 |
| 55° | 301.9 | 301.9 | 288.8 | 267.8 | 231.0 | 181.1 | 149.6 | 128.6 | 112.9 | 105.0 | 99.8 |
| 57.5° | 249.4 | 249.4 | 238.9 | 225.8 | 191.7 | 154.9 | 131.3 | 112.9 | 102.4 | 94.5 | 89.3 |
| 60° | 204.8 | 204.8 | 196.9 | 183.8 | 160.1 | 131.3 | 112.9 | 99.8 | 91.9 | 84.0 | 81.4 |
| 62.5° | 170.6 | 168.0 | 162.8 | 149.6 | 131.3 | 110.3 | 97.1 | 86.6 | 78.8 | 73.5 | 70.9 |
| 65° | 136.5 | 133.9 | 128.6 | 118.1 | 105.0 | 91.9 | 81.4 | 73.5 | 68.3 | 63.0 | 60.4 |
| 67.5° | 105.0 | 105.0 | 99.8 | 91.9 | 81.4 | 73.5 | 65.6 | 60.4 | 55.1 | 52.5 | 49.9 |
| 70° | 76.1 | 76.1 | 73.5 | 68.3 | 60.4 | 55.1 | 49.9 | 47.3 | 44.6 | 42.0 | 39.4 |
| 72.5° | 52.5 | 52.5 | 49.9 | 47.3 | 42.0 | 39.4 | 34.1 | 34.1 | 31.5 | 31.5 | 28.9 |
| 75° | 28.9 | 28.9 | 28.9 | 26.3 | 26.3 | 23.6 | 23.6 | 23.6 | 21.0 | 21.0 | 21.0 |
| 77.5° | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 |
| 80° | 2.6 | 2.6 | 2.6 | 2.6 | 5.3 | 5.3 | 5.3 | 5.3 | 7.9 | 7.9 | 7.9 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 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: P3ART20R709040D010 E3LCWW1B

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 454.2 | 454.2 | 454.2 | 454.2 | 454.2 | 454.2 | 454.2 | 454.2 | 454.2 | 454.2 |
| 2.5° | 448.9 | 441.1 | 435.8 | 433.2 | 425.3 | 422.7 | 420.1 | 417.4 | 417.4 | 417.4 |
| 5° | 438.4 | 425.3 | 412.2 | 404.3 | 393.8 | 388.6 | 383.3 | 380.7 | 378.0 | 378.0 |
| 7.5° | 420.1 | 404.3 | 388.6 | 375.4 | 364.9 | 354.4 | 349.2 | 343.9 | 343.9 | 341.3 |
| 10° | 401.7 | 380.7 | 362.3 | 343.9 | 333.4 | 320.3 | 315.0 | 309.8 | 307.2 | 307.2 |
| 12.5° | 380.7 | 354.4 | 333.4 | 317.7 | 301.9 | 291.4 | 283.5 | 278.3 | 275.7 | 275.7 |
| 15° | 357.0 | 330.8 | 307.2 | 291.4 | 275.7 | 262.5 | 254.7 | 249.4 | 246.8 | 246.8 |
| 17.5° | 333.4 | 307.2 | 280.9 | 265.2 | 249.4 | 236.3 | 231.0 | 225.8 | 223.2 | 220.5 |
| 20° | 312.4 | 280.9 | 259.9 | 238.9 | 225.8 | 215.3 | 207.4 | 202.2 | 199.5 | 199.5 |
| 22.5° | 288.8 | 259.9 | 236.3 | 220.5 | 207.4 | 196.9 | 186.4 | 183.8 | 181.1 | 181.1 |
| 25° | 265.2 | 238.9 | 217.9 | 202.2 | 186.4 | 178.5 | 170.6 | 165.4 | 165.4 | 162.8 |
| 27.5° | 246.8 | 220.5 | 199.5 | 183.8 | 173.3 | 162.8 | 157.5 | 152.3 | 149.6 | 149.6 |
| 30° | 225.8 | 202.2 | 183.8 | 170.6 | 157.5 | 149.6 | 144.4 | 139.1 | 139.1 | 139.1 |
| 31° | 220.5 | 196.9 | 178.5 | 162.8 | 152.3 | 144.4 | 139.1 | 136.5 | 133.9 | 133.9 |
| 32.5° | 207.4 | 186.4 | 168.0 | 154.9 | 144.4 | 136.5 | 131.3 | 128.6 | 128.6 | 126.0 |
| 35° | 191.7 | 170.6 | 154.9 | 141.8 | 133.9 | 126.0 | 120.8 | 118.1 | 118.1 | 118.1 |
| 37.5° | 175.9 | 157.5 | 141.8 | 131.3 | 123.4 | 115.5 | 112.9 | 107.6 | 107.6 | 107.6 |
| 40° | 160.1 | 144.4 | 131.3 | 120.8 | 112.9 | 107.6 | 105.0 | 102.4 | 99.8 | 99.8 |
| 42.5° | 147.0 | 131.3 | 120.8 | 112.9 | 105.0 | 99.8 | 97.1 | 94.5 | 94.5 | 91.9 |
| 45° | 133.9 | 120.8 | 112.9 | 105.0 | 97.1 | 94.5 | 91.9 | 89.3 | 86.6 | 86.6 |
| 47.5° | 123.4 | 112.9 | 102.4 | 97.1 | 91.9 | 86.6 | 84.0 | 84.0 | 81.4 | 81.4 |
| 50° | 112.9 | 102.4 | 94.5 | 89.3 | 84.0 | 81.4 | 78.8 | 78.8 | 76.1 | 76.1 |
| 52.5° | 105.0 | 94.5 | 89.3 | 84.0 | 78.8 | 76.1 | 73.5 | 73.5 | 70.9 | 70.9 |
| 55° | 94.5 | 86.6 | 81.4 | 78.8 | 73.5 | 70.9 | 68.3 | 65.6 | 65.6 | 68.3 |
| 57.5° | 86.6 | 81.4 | 76.1 | 73.5 | 68.3 | 65.6 | 63.0 | 63.0 | 60.4 | 63.0 |
| 60° | 78.8 | 73.5 | 68.3 | 65.6 | 63.0 | 60.4 | 57.8 | 55.1 | 55.1 | 55.1 |
| 62.5° | 70.9 | 65.6 | 63.0 | 57.8 | 55.1 | 55.1 | 52.5 | 52.5 | 52.5 | 49.9 |
| 65° | 60.4 | 57.8 | 55.1 | 52.5 | 49.9 | 47.3 | 47.3 | 44.6 | 44.6 | 44.6 |
| 67.5° | 49.9 | 47.3 | 44.6 | 44.6 | 42.0 | 39.4 | 39.4 | 39.4 | 39.4 | 36.8 |
| 70° | 39.4 | 36.8 | 36.8 | 34.1 | 34.1 | 34.1 | 31.5 | 31.5 | 31.5 | 31.5 |
| 72.5° | 28.9 | 28.9 | 26.3 | 26.3 | 26.3 | 26.3 | 23.6 | 23.6 | 23.6 | 23.6 |
| 75° | 21.0 | 21.0 | 21.0 | 18.4 | 18.4 | 18.4 | 15.8 | 15.8 | 15.8 | 15.8 |
| 77.5° | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| 80° | 7.9 | 7.9 | 7.9 | 7.9 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 2.6 |
| 82.5° | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 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)