

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: P3ART24R709040D010 E3LSWW1GPH

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 (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART24R709040D010 E3LSWW1GPH
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3LSWW1GPH TRIM
Light Source: -
Ballast/Driver: -

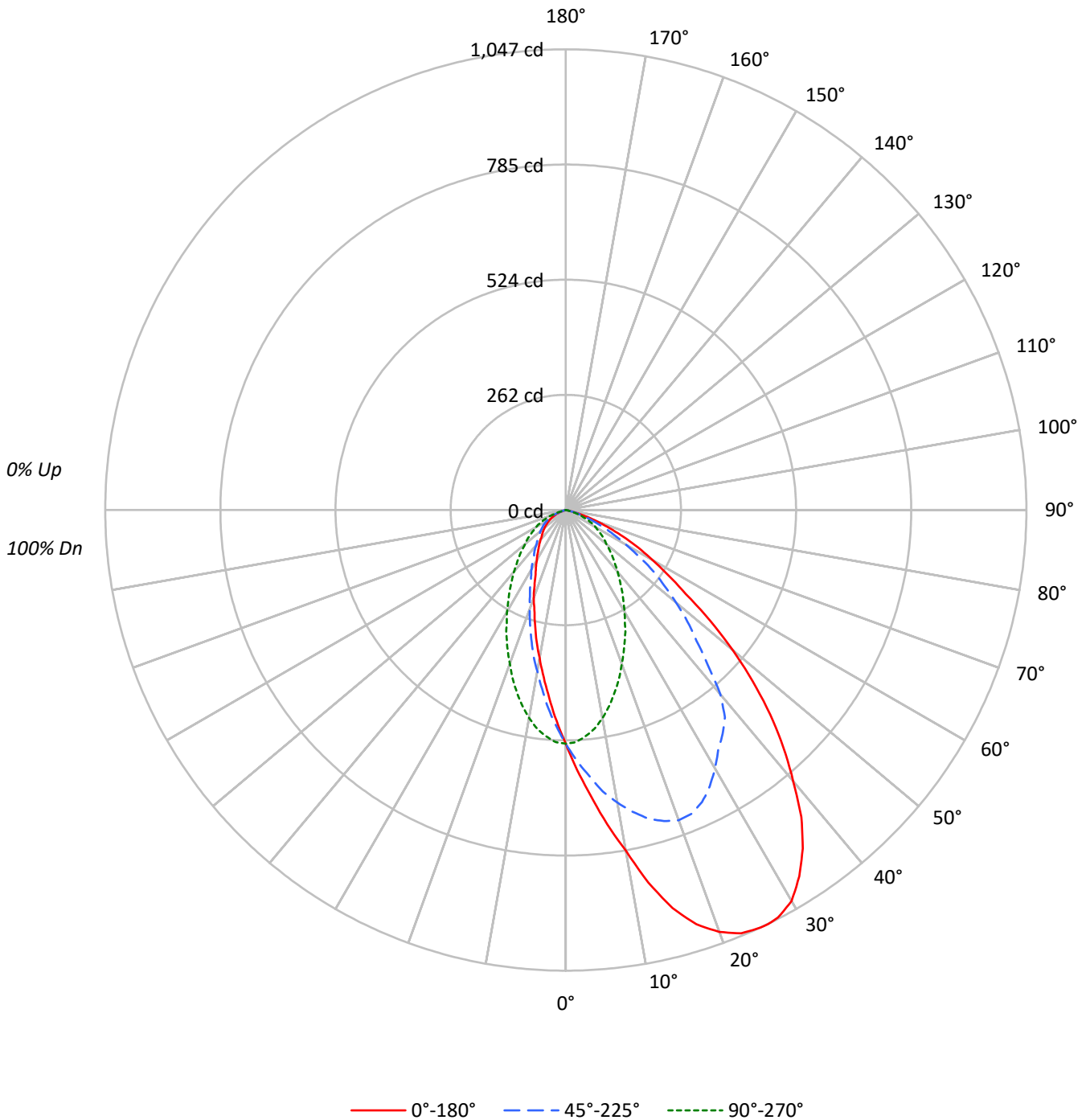
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1058.0 lumens
Efficiency: N/A
Efficacy: 36.7 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): 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: P3ART24R709040D010 E3LSWW1GPH

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART24R709040D010 E3LSWW1GPH

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|--------|--------|--------|
| 0° | 116460 | 116460 | 116460 | 116460 | 116460 |
| 5° | 143341 | 133436 | 113603 | 99736 | 94453 |
| 10° | 175058 | 150342 | 106901 | 82853 | 76173 |
| 15° | 212532 | 164859 | 97413 | 68809 | 61317 |
| 20° | 238091 | 175062 | 86831 | 56028 | 49728 |
| 25° | 253394 | 177155 | 76964 | 46454 | 39196 |
| 30° | 259863 | 171723 | 67631 | 39500 | 33423 |
| 35° | 251417 | 166290 | 59454 | 33729 | 28911 |
| 40° | 230203 | 156321 | 52384 | 30056 | 25763 |
| 45° | 203804 | 130277 | 46516 | 27910 | 23258 |
| 50° | 168898 | 111587 | 40937 | 25586 | 21492 |
| 55° | 127346 | 92938 | 37848 | 24085 | 19498 |
| 60° | 100036 | 69731 | 34208 | 22367 | 17104 |
| 65° | 74716 | 51367 | 29575 | 18679 | 14009 |
| 70° | 48085 | 32698 | 21157 | 13464 | 7694 |
| 75° | 20334 | 17792 | 10167 | 5083 | 2542 |
| 80° | 3788 | 3788 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 203804 cd/sqm



TEST NUMBER: P#
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 50.4 | 4.8 |
| 10°-20° | 145.0 | 13.7 |
| 20°-30° | 212.0 | 20.0 |
| 30°-40° | 231.0 | 21.8 |
| 40°-50° | 199.9 | 18.9 |
| 50°-60° | 133.9 | 12.7 |
| 60°-70° | 69.2 | 6.5 |
| 70°-80° | 16.4 | 1.5 |
| 80°-90° | 0.2 | 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° | 407.4 | 38.5 |
| 0°-40° | 638.5 | 60.3 |
| 0°-60° | 972.3 | 91.9 |
| 0°-90° | 1058.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1058.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 531 | 531 | 531 | 531 | 531 | |
| 5° | 651 | 606 | 516 | 453 | 429 | 66 |
| 15° | 936 | 726 | 429 | 303 | 270 | 265 |
| 25° | 1047 | 732 | 318 | 192 | 162 | 481 |
| 35° | 939 | 621 | 222 | 126 | 108 | 582 |
| 45° | 657 | 420 | 150 | 90 | 75 | 503 |
| 55° | 333 | 243 | 99 | 63 | 51 | 308 |
| 65° | 144 | 99 | 57 | 36 | 27 | 145 |
| 75° | 24 | 21 | 12 | 6 | 3 | 31 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART24R709040D010 E3LSWW1GPH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 531.1 | 531.1 | 531.1 | 531.1 | 531.1 | 531.1 | 531.1 | 531.1 | 531.1 | 531.1 | 531.1 |
| 2.5° | 591.2 | 588.1 | 588.1 | 582.1 | 576.1 | 570.1 | 561.1 | 552.1 | 543.1 | 534.1 | 528.1 |
| 5° | 651.2 | 654.2 | 651.2 | 639.2 | 624.2 | 606.2 | 588.1 | 567.1 | 546.1 | 528.1 | 516.1 |
| 7.5° | 720.2 | 720.2 | 711.2 | 696.2 | 675.2 | 645.2 | 615.2 | 579.1 | 546.1 | 516.1 | 501.1 |
| 10° | 786.2 | 786.2 | 771.2 | 747.2 | 714.2 | 675.2 | 633.2 | 585.1 | 540.1 | 498.1 | 480.1 |
| 12.5° | 867.2 | 864.2 | 846.2 | 807.2 | 759.2 | 702.2 | 645.2 | 585.1 | 531.1 | 480.1 | 456.1 |
| 15° | 936.2 | 933.2 | 909.2 | 861.2 | 798.2 | 726.2 | 648.2 | 579.1 | 513.1 | 456.1 | 429.1 |
| 17.5° | 987.3 | 981.3 | 954.2 | 903.2 | 831.2 | 741.2 | 651.2 | 567.1 | 492.1 | 429.1 | 402.1 |
| 20° | 1020.3 | 1017.3 | 987.3 | 927.2 | 849.2 | 750.2 | 648.2 | 552.1 | 471.1 | 402.1 | 372.1 |
| 22.5° | 1041.3 | 1035.3 | 1005.3 | 939.2 | 849.2 | 747.2 | 636.2 | 531.1 | 444.1 | 375.1 | 345.1 |
| 25° | 1047.3 | 1044.3 | 1008.3 | 936.2 | 840.2 | 732.2 | 618.2 | 510.1 | 417.1 | 348.1 | 318.1 |
| 26° | 1047.3 | 1044.3 | 1008.3 | 933.2 | 834.2 | 723.2 | 609.2 | 501.1 | 408.1 | 336.1 | 309.1 |
| 27.5° | 1044.3 | 1041.3 | 1002.3 | 924.2 | 822.2 | 708.2 | 591.2 | 483.1 | 390.1 | 321.1 | 291.1 |
| 30° | 1026.3 | 1020.3 | 981.3 | 903.2 | 795.2 | 678.2 | 561.1 | 456.1 | 363.1 | 294.1 | 267.1 |
| 32.5° | 987.3 | 981.3 | 939.2 | 867.2 | 765.2 | 645.2 | 528.1 | 426.1 | 336.1 | 267.1 | 243.1 |
| 35° | 939.2 | 933.2 | 891.2 | 822.2 | 723.2 | 621.2 | 492.1 | 393.1 | 306.1 | 246.1 | 222.1 |
| 37.5° | 879.2 | 870.2 | 834.2 | 762.2 | 672.2 | 594.2 | 462.1 | 360.1 | 279.1 | 222.1 | 201.1 |
| 40° | 804.2 | 801.2 | 768.2 | 702.2 | 612.2 | 546.1 | 444.1 | 360.1 | 255.1 | 201.1 | 183.0 |
| 42.5° | 732.2 | 726.2 | 696.2 | 639.2 | 558.1 | 477.1 | 390.1 | 345.1 | 237.1 | 180.0 | 165.0 |
| 45° | 657.2 | 651.2 | 624.2 | 576.1 | 501.1 | 420.1 | 420.1 | 297.1 | 204.1 | 165.0 | 150.0 |
| 47.5° | 576.1 | 570.1 | 549.1 | 513.1 | 447.1 | 375.1 | 306.1 | 243.1 | 186.0 | 147.0 | 135.0 |
| 50° | 495.1 | 498.1 | 480.1 | 444.1 | 393.1 | 327.1 | 264.1 | 204.1 | 159.0 | 132.0 | 120.0 |
| 52.5° | 414.1 | 411.1 | 399.1 | 375.1 | 339.1 | 282.1 | 225.1 | 174.0 | 138.0 | 117.0 | 111.0 |
| 55° | 333.1 | 336.1 | 330.1 | 315.1 | 285.1 | 243.1 | 189.0 | 150.0 | 123.0 | 105.0 | 99.0 |
| 57.5° | 276.1 | 279.1 | 267.1 | 258.1 | 234.1 | 198.1 | 156.0 | 126.0 | 105.0 | 93.0 | 87.0 |
| 60° | 228.1 | 231.1 | 222.1 | 210.1 | 192.0 | 159.0 | 126.0 | 105.0 | 93.0 | 84.0 | 78.0 |
| 62.5° | 186.0 | 183.0 | 177.0 | 165.0 | 150.0 | 126.0 | 102.0 | 87.0 | 78.0 | 72.0 | 69.0 |
| 65° | 144.0 | 144.0 | 138.0 | 129.0 | 117.0 | 99.0 | 81.0 | 72.0 | 66.0 | 60.0 | 57.0 |
| 67.5° | 108.0 | 108.0 | 102.0 | 96.0 | 84.0 | 72.0 | 63.0 | 57.0 | 54.0 | 48.0 | 45.0 |
| 70° | 75.0 | 75.0 | 72.0 | 69.0 | 60.0 | 51.0 | 48.0 | 42.0 | 39.0 | 36.0 | 33.0 |
| 72.5° | 48.0 | 48.0 | 48.0 | 42.0 | 39.0 | 33.0 | 33.0 | 30.0 | 27.0 | 24.0 | 24.0 |
| 75° | 24.0 | 27.0 | 24.0 | 24.0 | 21.0 | 21.0 | 18.0 | 18.0 | 15.0 | 15.0 | 12.0 |
| 77.5° | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| 80° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 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: P#
 CATALOG NUMBER: P3ART24R709040D010 E3LSWW1GPH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 531.1 | 531.1 | 531.1 | 531.1 | 531.1 | 531.1 | 531.1 | 531.1 | 531.1 | 531.1 |
| 2.5° | 522.1 | 513.1 | 507.1 | 498.1 | 492.1 | 486.1 | 483.1 | 480.1 | 480.1 | 480.1 |
| 5° | 507.1 | 492.1 | 477.1 | 462.1 | 453.1 | 444.1 | 435.1 | 432.1 | 429.1 | 429.1 |
| 7.5° | 489.1 | 465.1 | 444.1 | 426.1 | 411.1 | 402.1 | 393.1 | 387.1 | 384.1 | 384.1 |
| 10° | 465.1 | 435.1 | 411.1 | 387.1 | 372.1 | 360.1 | 354.1 | 345.1 | 345.1 | 342.1 |
| 12.5° | 438.1 | 402.1 | 375.1 | 354.1 | 339.1 | 324.1 | 315.1 | 309.1 | 306.1 | 306.1 |
| 15° | 408.1 | 372.1 | 342.1 | 318.1 | 303.1 | 288.1 | 279.1 | 273.1 | 270.1 | 270.1 |
| 17.5° | 378.1 | 339.1 | 309.1 | 285.1 | 270.1 | 255.1 | 246.1 | 240.1 | 240.1 | 237.1 |
| 20° | 348.1 | 309.1 | 279.1 | 255.1 | 240.1 | 228.1 | 219.1 | 213.1 | 210.1 | 213.1 |
| 22.5° | 321.1 | 282.1 | 252.1 | 231.1 | 213.1 | 201.1 | 192.0 | 189.0 | 186.0 | 186.0 |
| 25° | 291.1 | 255.1 | 228.1 | 207.1 | 192.0 | 180.0 | 171.0 | 168.0 | 165.0 | 162.0 |
| 26° | 282.1 | 246.1 | 219.1 | 198.1 | 183.0 | 171.0 | 165.0 | 159.0 | 156.0 | 156.0 |
| 27.5° | 270.1 | 231.1 | 207.1 | 186.0 | 171.0 | 162.0 | 153.0 | 150.0 | 147.0 | 147.0 |
| 30° | 243.1 | 210.1 | 186.0 | 168.0 | 156.0 | 144.0 | 138.0 | 135.0 | 132.0 | 132.0 |
| 32.5° | 222.1 | 189.0 | 168.0 | 153.0 | 141.0 | 132.0 | 126.0 | 120.0 | 120.0 | 120.0 |
| 35° | 201.1 | 171.0 | 153.0 | 138.0 | 126.0 | 117.0 | 114.0 | 111.0 | 108.0 | 108.0 |
| 37.5° | 183.0 | 156.0 | 138.0 | 126.0 | 117.0 | 108.0 | 102.0 | 99.0 | 99.0 | 99.0 |
| 40° | 165.0 | 144.0 | 126.0 | 114.0 | 105.0 | 99.0 | 93.0 | 90.0 | 90.0 | 90.0 |
| 42.5° | 150.0 | 129.0 | 117.0 | 105.0 | 96.0 | 90.0 | 87.0 | 84.0 | 81.0 | 81.0 |
| 45° | 138.0 | 120.0 | 105.0 | 96.0 | 90.0 | 84.0 | 78.0 | 75.0 | 75.0 | 75.0 |
| 47.5° | 123.0 | 111.0 | 96.0 | 87.0 | 81.0 | 75.0 | 72.0 | 69.0 | 69.0 | 69.0 |
| 50° | 114.0 | 102.0 | 90.0 | 81.0 | 75.0 | 69.0 | 66.0 | 63.0 | 63.0 | 63.0 |
| 52.5° | 102.0 | 93.0 | 84.0 | 75.0 | 69.0 | 63.0 | 60.0 | 57.0 | 57.0 | 57.0 |
| 55° | 93.0 | 84.0 | 75.0 | 69.0 | 63.0 | 57.0 | 54.0 | 51.0 | 51.0 | 51.0 |
| 57.5° | 84.0 | 75.0 | 69.0 | 63.0 | 57.0 | 54.0 | 48.0 | 48.0 | 45.0 | 45.0 |
| 60° | 75.0 | 66.0 | 60.0 | 57.0 | 51.0 | 48.0 | 42.0 | 39.0 | 39.0 | 39.0 |
| 62.5° | 63.0 | 60.0 | 54.0 | 48.0 | 42.0 | 39.0 | 36.0 | 33.0 | 33.0 | 33.0 |
| 65° | 54.0 | 51.0 | 45.0 | 39.0 | 36.0 | 33.0 | 30.0 | 27.0 | 27.0 | 27.0 |
| 67.5° | 45.0 | 39.0 | 36.0 | 33.0 | 30.0 | 27.0 | 24.0 | 21.0 | 18.0 | 21.0 |
| 70° | 33.0 | 30.0 | 27.0 | 24.0 | 21.0 | 18.0 | 15.0 | 15.0 | 12.0 | 12.0 |
| 72.5° | 21.0 | 18.0 | 18.0 | 15.0 | 12.0 | 12.0 | 9.0 | 9.0 | 6.0 | 6.0 |
| 75° | 12.0 | 12.0 | 9.0 | 9.0 | 6.0 | 6.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 77.5° | 6.0 | 3.0 | 3.0 | 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)