

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 E3LSWW1MW

Issue Date: 5/8/2026

**Test Information**

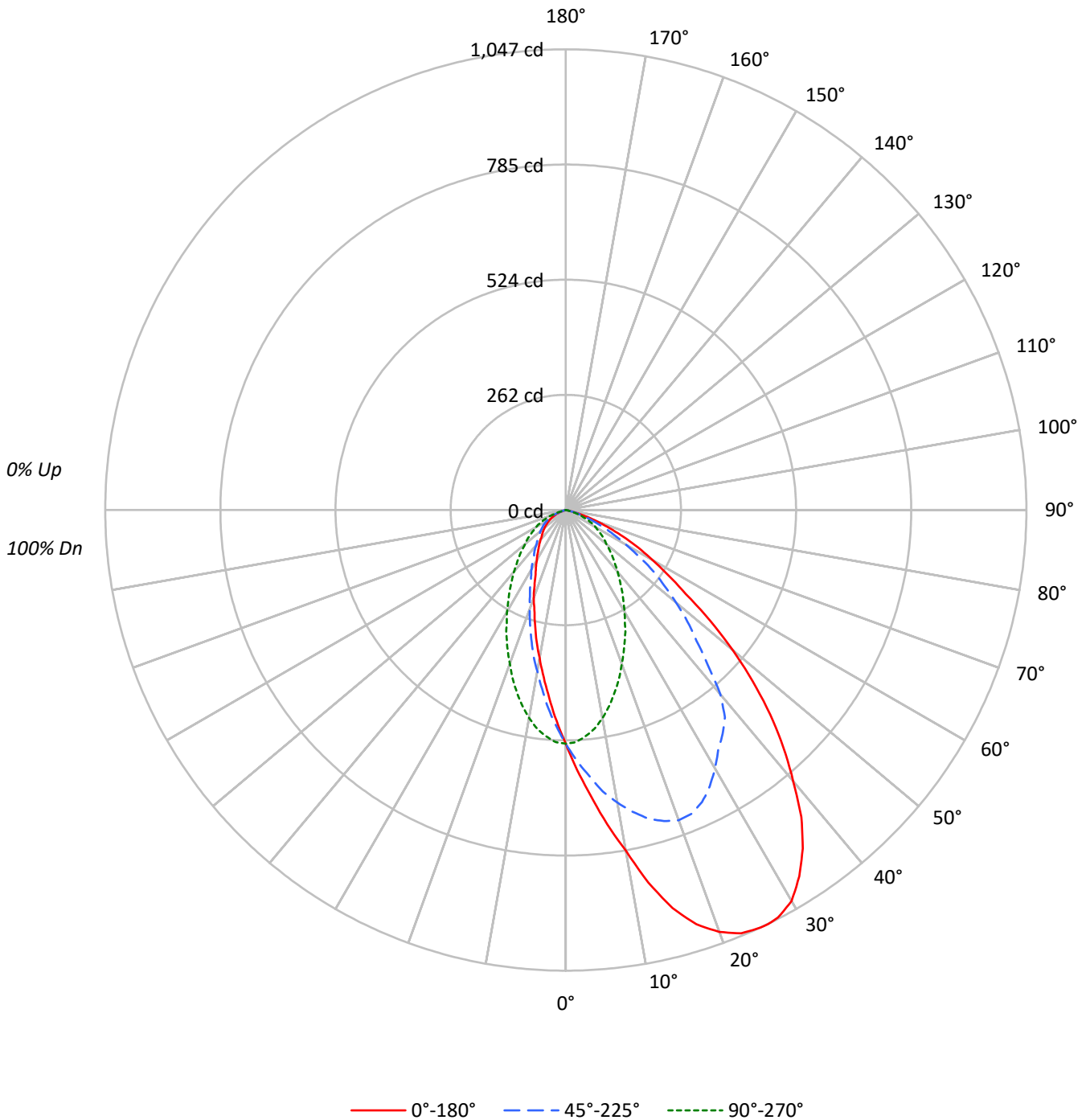
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART24R709040D010 E3LSWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3LSWW1MW 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 E3LSWW1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P#  
 CATALOG NUMBER: P3ART24R709040D010 E3LSWW1MW

**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 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 96  | 97  | 95  | 94  | 94  | 92  | 91  | 89  | 89  | 89  |
| 2   | 103 | 96  | 91  | 86  | 101 | 95  | 89  | 85  | 91  | 87  | 83  | 88  | 85  | 81  | 85  | 82  | 80  | 78  | 78  | 78  |
| 3   | 95  | 87  | 80  | 74  | 93  | 85  | 79  | 74  | 82  | 77  | 72  | 80  | 75  | 71  | 77  | 73  | 70  | 68  | 68  | 68  |
| 4   | 88  | 78  | 70  | 65  | 86  | 77  | 70  | 64  | 74  | 68  | 63  | 72  | 67  | 63  | 70  | 66  | 62  | 60  | 60  | 60  |
| 5   | 82  | 71  | 63  | 57  | 80  | 70  | 62  | 57  | 68  | 61  | 56  | 66  | 60  | 56  | 64  | 59  | 55  | 53  | 53  | 53  |
| 6   | 76  | 64  | 56  | 51  | 74  | 63  | 56  | 51  | 62  | 55  | 50  | 60  | 54  | 50  | 59  | 53  | 49  | 47  | 47  | 47  |
| 7   | 71  | 59  | 51  | 45  | 69  | 58  | 51  | 45  | 57  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 44  | 43  | 43  | 43  |
| 8   | 66  | 54  | 46  | 41  | 65  | 53  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 44  | 40  | 39  | 39  | 39  |
| 9   | 62  | 50  | 42  | 37  | 61  | 49  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 35  | 35  | 35  |
| 10  | 59  | 46  | 39  | 34  | 57  | 46  | 39  | 34  | 45  | 38  | 34  | 44  | 38  | 34  | 43  | 38  | 34  | 32  | 32  | 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 E3LSWW1MW

**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 | 345.1 | 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 E3LSWW1MW

**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)