

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: P3ART20R709835D010 E3LSWW1WH

Issue Date: 5/8/2026

**Test Information**

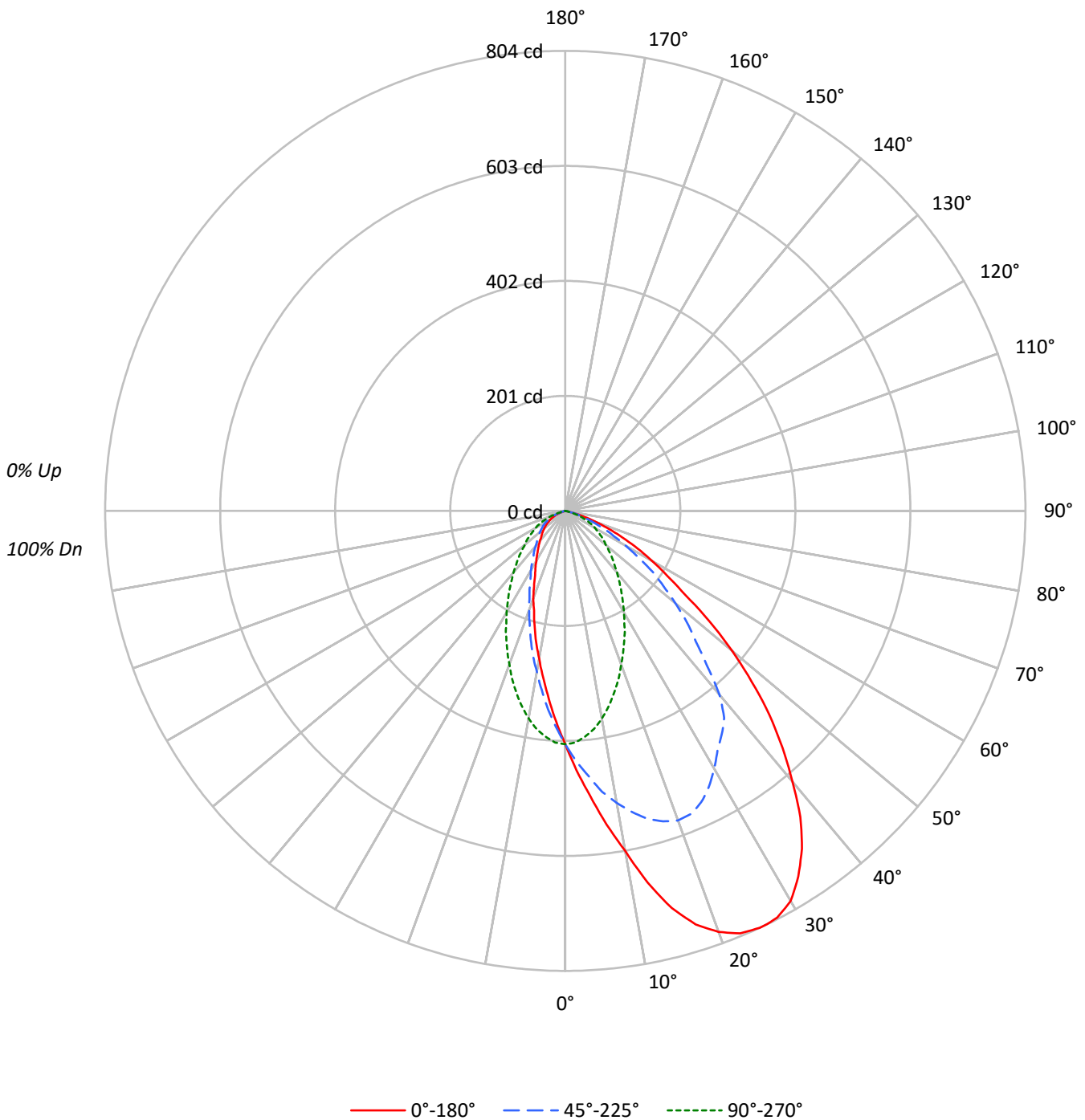
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART20R709835D010 E3LSWW1WH  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3LSWW1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 812.0 lumens  
Efficiency: N/A  
Efficacy: 29.6 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): 27.4  
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: P3ART20R709835D010 E3LSWW1WH

### Luminous Intensity Polar Plot





TEST NUMBER: P#  
 CATALOG NUMBER: P3ART20R709835D010 E3LSWW1WH

**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°  | 89379  | 89379  | 89379 | 89379 | 89379 |
| 5°  | 110015 | 102399 | 87189 | 76557 | 72485 |
| 10° | 134355 | 115384 | 82051 | 63593 | 58449 |
| 15° | 163111 | 126516 | 74756 | 52804 | 47060 |
| 20° | 182716 | 134365 | 66646 | 42984 | 38153 |
| 25° | 194479 | 135951 | 59060 | 35663 | 30099 |
| 30° | 199423 | 131792 | 51907 | 30334 | 25650 |
| 35° | 192979 | 127609 | 45615 | 25886 | 22192 |
| 40° | 176674 | 119996 | 40218 | 23072 | 19780 |
| 45° | 156419 | 99979  | 35725 | 21429 | 17862 |
| 50° | 129633 | 85626  | 31419 | 19650 | 16511 |
| 55° | 97717  | 71300  | 29055 | 18504 | 14986 |
| 60° | 76748  | 53548  | 26270 | 17192 | 13113 |
| 65° | 57334  | 39434  | 22726 | 14321 | 10740 |
| 70° | 36929  | 25132  | 16221 | 10322 | 5898  |
| 75° | 15589  | 13640  | 7795  | 3897  | 1949  |
| 80° | 2904   | 2904   | 0     | 0     | 0     |
| 85° | 0      | 0      | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 156419 cd/sqm



TEST NUMBER: P#  
 CATALOG NUMBER: P3ART20R709835D010 E3LSWW1WH

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 38.7   | 4.8       |
| 10°-20°   | 111.3  | 13.7      |
| 20°-30°   | 162.7  | 20.0      |
| 30°-40°   | 177.3  | 21.8      |
| 40°-50°   | 153.4  | 18.9      |
| 50°-60°   | 102.8  | 12.7      |
| 60°-70°   | 53.1   | 6.5       |
| 70°-80°   | 12.5   | 1.5       |
| 80°-90°   | 0.1    | 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°    | 312.7  | 38.5      |
| 0°-40°    | 490.0  | 60.3      |
| 0°-60°    | 746.2  | 91.9      |
| 0°-90°    | 812.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 812.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 408 | 408 | 408 | 408  | 408  |      |
| 5°  | 500 | 465 | 396 | 348  | 329  | 51   |
| 15° | 718 | 557 | 329 | 233  | 207  | 204  |
| 25° | 804 | 562 | 244 | 147  | 124  | 369  |
| 35° | 721 | 477 | 170 | 97   | 83   | 446  |
| 45° | 504 | 322 | 115 | 69   | 58   | 386  |
| 55° | 256 | 186 | 76  | 48   | 39   | 237  |
| 65° | 110 | 76  | 44  | 28   | 21   | 112  |
| 75° | 18  | 16  | 9   | 5    | 2    | 24   |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |



TEST NUMBER: P#  
 CATALOG NUMBER: P3ART20R709835D010 E3LSWW1WH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 407.6 | 407.6 | 407.6 | 407.6 | 407.6 | 407.6 | 407.6 | 407.6 | 407.6 | 407.6 | 407.6 |
| 2.5°  | 453.7 | 451.4 | 451.4 | 446.8 | 442.2 | 437.6 | 430.7 | 423.8 | 416.9 | 409.9 | 405.3 |
| 5°    | 499.8 | 502.1 | 499.8 | 490.5 | 479.0 | 465.2 | 451.4 | 435.3 | 419.2 | 405.3 | 396.1 |
| 7.5°  | 552.7 | 552.7 | 545.8 | 534.3 | 518.2 | 495.2 | 472.1 | 444.5 | 419.2 | 396.1 | 384.6 |
| 10°   | 603.4 | 603.4 | 591.9 | 573.5 | 548.1 | 518.2 | 485.9 | 449.1 | 414.5 | 382.3 | 368.5 |
| 12.5° | 665.6 | 663.3 | 649.5 | 619.5 | 582.7 | 538.9 | 495.2 | 449.1 | 407.6 | 368.5 | 350.1 |
| 15°   | 718.5 | 716.2 | 697.8 | 661.0 | 612.6 | 557.3 | 497.5 | 444.5 | 393.8 | 350.1 | 329.3 |
| 17.5° | 757.7 | 753.1 | 732.4 | 693.2 | 637.9 | 568.9 | 499.8 | 435.3 | 377.7 | 329.3 | 308.6 |
| 20°   | 783.0 | 780.7 | 757.7 | 711.6 | 651.8 | 575.8 | 497.5 | 423.8 | 361.6 | 308.6 | 285.6 |
| 22.5° | 799.2 | 794.6 | 771.5 | 720.9 | 651.8 | 573.5 | 488.2 | 407.6 | 340.9 | 287.9 | 264.9 |
| 25°   | 803.8 | 801.5 | 773.8 | 718.5 | 644.9 | 561.9 | 474.4 | 391.5 | 320.1 | 267.2 | 244.1 |
| 26°   | 803.8 | 801.5 | 773.8 | 716.2 | 640.2 | 555.0 | 467.5 | 384.6 | 313.2 | 257.9 | 237.2 |
| 27.5° | 801.5 | 799.2 | 769.2 | 709.3 | 631.0 | 543.5 | 453.7 | 370.8 | 299.4 | 246.4 | 223.4 |
| 30°   | 787.6 | 783.0 | 753.1 | 693.2 | 610.3 | 520.5 | 430.7 | 350.1 | 278.7 | 225.7 | 205.0 |
| 32.5° | 757.7 | 753.1 | 720.9 | 665.6 | 587.3 | 495.2 | 405.3 | 327.0 | 257.9 | 205.0 | 186.5 |
| 35°   | 720.9 | 716.2 | 684.0 | 631.0 | 555.0 | 476.7 | 377.7 | 301.7 | 234.9 | 188.8 | 170.4 |
| 37.5° | 674.8 | 667.9 | 640.2 | 585.0 | 515.9 | 456.0 | 354.7 | 276.4 | 214.2 | 170.4 | 154.3 |
| 40°   | 617.2 | 614.9 | 589.6 | 538.9 | 469.8 | 419.2 | 340.9 | 276.4 | 195.8 | 154.3 | 140.5 |
| 42.5° | 561.9 | 557.3 | 534.3 | 490.5 | 428.4 | 366.2 | 299.4 | 264.9 | 181.9 | 138.2 | 126.7 |
| 45°   | 504.4 | 499.8 | 479.0 | 442.2 | 384.6 | 322.4 | 322.4 | 228.0 | 156.6 | 126.7 | 115.2 |
| 47.5° | 442.2 | 437.6 | 421.5 | 393.8 | 343.2 | 287.9 | 234.9 | 186.5 | 142.8 | 112.8 | 103.6 |
| 50°   | 380.0 | 382.3 | 368.5 | 340.9 | 301.7 | 251.0 | 202.7 | 156.6 | 122.1 | 101.3 | 92.1  |
| 52.5° | 317.8 | 315.5 | 306.3 | 287.9 | 260.2 | 216.5 | 172.7 | 133.6 | 105.9 | 89.8  | 85.2  |
| 55°   | 255.6 | 257.9 | 253.3 | 241.8 | 218.8 | 186.5 | 145.1 | 115.2 | 94.4  | 80.6  | 76.0  |
| 57.5° | 211.9 | 214.2 | 205.0 | 198.1 | 179.6 | 152.0 | 119.8 | 96.7  | 80.6  | 71.4  | 66.8  |
| 60°   | 175.0 | 177.3 | 170.4 | 161.2 | 147.4 | 122.1 | 96.7  | 80.6  | 71.4  | 64.5  | 59.9  |
| 62.5° | 142.8 | 140.5 | 135.9 | 126.7 | 115.2 | 96.7  | 78.3  | 66.8  | 59.9  | 55.3  | 53.0  |
| 65°   | 110.5 | 110.5 | 105.9 | 99.0  | 89.8  | 76.0  | 62.2  | 55.3  | 50.7  | 46.1  | 43.8  |
| 67.5° | 82.9  | 82.9  | 78.3  | 73.7  | 64.5  | 55.3  | 48.4  | 43.8  | 41.5  | 36.8  | 34.5  |
| 70°   | 57.6  | 57.6  | 55.3  | 53.0  | 46.1  | 39.2  | 36.8  | 32.2  | 29.9  | 27.6  | 25.3  |
| 72.5° | 36.8  | 36.8  | 36.8  | 32.2  | 29.9  | 25.3  | 25.3  | 23.0  | 20.7  | 18.4  | 18.4  |
| 75°   | 18.4  | 20.7  | 18.4  | 18.4  | 16.1  | 16.1  | 13.8  | 13.8  | 11.5  | 11.5  | 9.2   |
| 77.5° | 6.9   | 6.9   | 6.9   | 6.9   | 6.9   | 6.9   | 4.6   | 4.6   | 4.6   | 4.6   | 4.6   |
| 80°   | 2.3   | 2.3   | 2.3   | 2.3   | 2.3   | 2.3   | 2.3   | 2.3   | 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: P3ART20R709835D010 E3LSWW1WH

**CANDELA DISTRIBUTION (continued):**

|       | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 407.6 | 407.6 | 407.6 | 407.6 | 407.6 | 407.6 | 407.6 | 407.6 | 407.6 | 407.6 |
| 2.5°  | 400.7 | 393.8 | 389.2 | 382.3 | 377.7 | 373.1 | 370.8 | 368.5 | 368.5 | 368.5 |
| 5°    | 389.2 | 377.7 | 366.2 | 354.7 | 347.8 | 340.9 | 333.9 | 331.6 | 329.3 | 329.3 |
| 7.5°  | 375.4 | 357.0 | 340.9 | 327.0 | 315.5 | 308.6 | 301.7 | 297.1 | 294.8 | 294.8 |
| 10°   | 357.0 | 333.9 | 315.5 | 297.1 | 285.6 | 276.4 | 271.8 | 264.9 | 264.9 | 262.5 |
| 12.5° | 336.2 | 308.6 | 287.9 | 271.8 | 260.2 | 248.7 | 241.8 | 237.2 | 234.9 | 234.9 |
| 15°   | 313.2 | 285.6 | 262.5 | 244.1 | 232.6 | 221.1 | 214.2 | 209.6 | 207.3 | 207.3 |
| 17.5° | 290.2 | 260.2 | 237.2 | 218.8 | 207.3 | 195.8 | 188.8 | 184.2 | 184.2 | 181.9 |
| 20°   | 267.2 | 237.2 | 214.2 | 195.8 | 184.2 | 175.0 | 168.1 | 163.5 | 161.2 | 163.5 |
| 22.5° | 246.4 | 216.5 | 193.5 | 177.3 | 163.5 | 154.3 | 147.4 | 145.1 | 142.8 | 142.8 |
| 25°   | 223.4 | 195.8 | 175.0 | 158.9 | 147.4 | 138.2 | 131.3 | 129.0 | 126.7 | 124.4 |
| 26°   | 216.5 | 188.8 | 168.1 | 152.0 | 140.5 | 131.3 | 126.7 | 122.1 | 119.8 | 119.8 |
| 27.5° | 207.3 | 177.3 | 158.9 | 142.8 | 131.3 | 124.4 | 117.5 | 115.2 | 112.8 | 112.8 |
| 30°   | 186.5 | 161.2 | 142.8 | 129.0 | 119.8 | 110.5 | 105.9 | 103.6 | 101.3 | 101.3 |
| 32.5° | 170.4 | 145.1 | 129.0 | 117.5 | 108.2 | 101.3 | 96.7  | 92.1  | 92.1  | 92.1  |
| 35°   | 154.3 | 131.3 | 117.5 | 105.9 | 96.7  | 89.8  | 87.5  | 85.2  | 82.9  | 82.9  |
| 37.5° | 140.5 | 119.8 | 105.9 | 96.7  | 89.8  | 82.9  | 78.3  | 76.0  | 76.0  | 76.0  |
| 40°   | 126.7 | 110.5 | 96.7  | 87.5  | 80.6  | 76.0  | 71.4  | 69.1  | 69.1  | 69.1  |
| 42.5° | 115.2 | 99.0  | 89.8  | 80.6  | 73.7  | 69.1  | 66.8  | 64.5  | 62.2  | 62.2  |
| 45°   | 105.9 | 92.1  | 80.6  | 73.7  | 69.1  | 64.5  | 59.9  | 57.6  | 57.6  | 57.6  |
| 47.5° | 94.4  | 85.2  | 73.7  | 66.8  | 62.2  | 57.6  | 55.3  | 53.0  | 53.0  | 53.0  |
| 50°   | 87.5  | 78.3  | 69.1  | 62.2  | 57.6  | 53.0  | 50.7  | 48.4  | 48.4  | 48.4  |
| 52.5° | 78.3  | 71.4  | 64.5  | 57.6  | 53.0  | 48.4  | 46.1  | 43.8  | 43.8  | 43.8  |
| 55°   | 71.4  | 64.5  | 57.6  | 53.0  | 48.4  | 43.8  | 41.5  | 39.2  | 39.2  | 39.2  |
| 57.5° | 64.5  | 57.6  | 53.0  | 48.4  | 43.8  | 41.5  | 36.8  | 36.8  | 34.5  | 34.5  |
| 60°   | 57.6  | 50.7  | 46.1  | 43.8  | 39.2  | 36.8  | 32.2  | 29.9  | 29.9  | 29.9  |
| 62.5° | 48.4  | 46.1  | 41.5  | 36.8  | 32.2  | 29.9  | 27.6  | 25.3  | 25.3  | 25.3  |
| 65°   | 41.5  | 39.2  | 34.5  | 29.9  | 27.6  | 25.3  | 23.0  | 20.7  | 20.7  | 20.7  |
| 67.5° | 34.5  | 29.9  | 27.6  | 25.3  | 23.0  | 20.7  | 18.4  | 16.1  | 13.8  | 16.1  |
| 70°   | 25.3  | 23.0  | 20.7  | 18.4  | 16.1  | 13.8  | 11.5  | 11.5  | 9.2   | 9.2   |
| 72.5° | 16.1  | 13.8  | 13.8  | 11.5  | 9.2   | 9.2   | 6.9   | 6.9   | 4.6   | 4.6   |
| 75°   | 9.2   | 9.2   | 6.9   | 6.9   | 4.6   | 4.6   | 2.3   | 2.3   | 2.3   | 2.3   |
| 77.5° | 4.6   | 2.3   | 2.3   | 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)