

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: P3ART24R709035D010 E3LSWW1GPH

Issue Date: 5/8/2026

**Test Information**

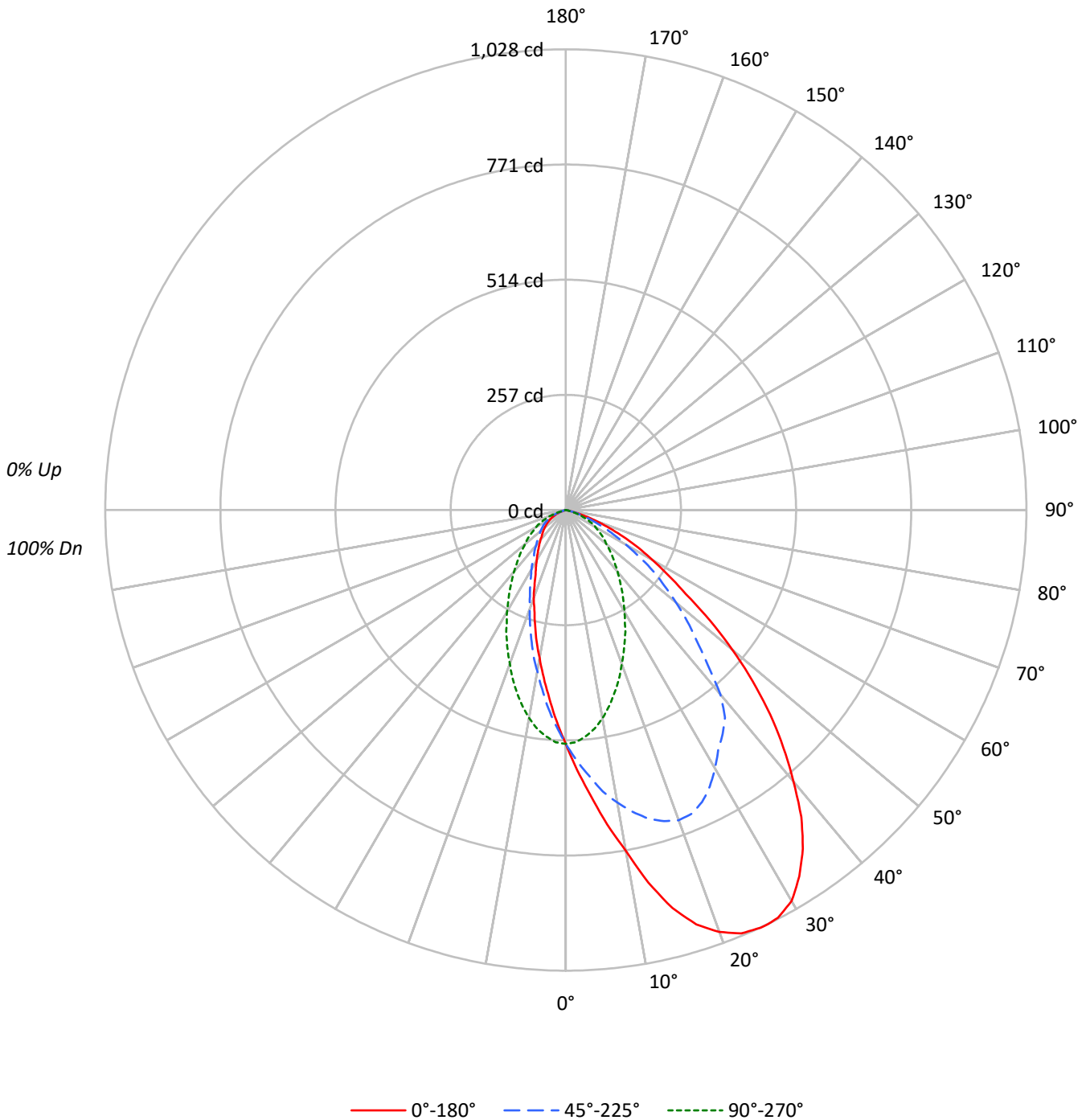
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART24R709035D010 E3LSWW1GPH  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3LSWW1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1039.0 lumens  
Efficiency: N/A  
Efficacy: 36.1 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 (A<sub>in</sub>): 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: P3ART24R709035D010 E3LSWW1GPH

### Luminous Intensity Polar Plot





TEST NUMBER: P#  
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**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°  | 114377 | 114377 | 114377 | 114377 | 114377 |
| 5°  | 140766 | 131036 | 111578 | 97953  | 92758  |
| 10° | 171918 | 147626 | 104986 | 81361  | 74793  |
| 15° | 208719 | 161885 | 95665  | 67560  | 60205  |
| 20° | 233797 | 171912 | 85267  | 55025  | 48818  |
| 25° | 248845 | 173962 | 75585  | 45632  | 38494  |
| 30° | 255179 | 168634 | 66415  | 38791  | 32840  |
| 35° | 246919 | 163292 | 58384  | 33140  | 28402  |
| 40° | 226081 | 153516 | 51468  | 29512  | 25305  |
| 45° | 200145 | 127951 | 45679  | 27414  | 22855  |
| 50° | 165862 | 109574 | 40220  | 25142  | 21117  |
| 55° | 125052 | 91256  | 37160  | 23665  | 19153  |
| 60° | 98238  | 68503  | 33594  | 21972  | 16797  |
| 65° | 73419  | 50433  | 29056  | 18368  | 13750  |
| 70° | 47252  | 32121  | 20773  | 13207  | 7565   |
| 75° | 19995  | 17453  | 9997   | 4999   | 2457   |
| 80° | 3662   | 3662   | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 200145 cd/sqm



TEST NUMBER: P#  
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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 49.5   | 4.8       |
| 10°-20°   | 142.4  | 13.7      |
| 20°-30°   | 208.2  | 20.0      |
| 30°-40°   | 226.9  | 21.8      |
| 40°-50°   | 196.3  | 18.9      |
| 50°-60°   | 131.5  | 12.7      |
| 60°-70°   | 67.9   | 6.5       |
| 70°-80°   | 16.1   | 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°    | 400.1  | 38.5      |
| 0°-40°    | 627.0  | 60.3      |
| 0°-60°    | 954.9  | 91.9      |
| 0°-90°    | 1039.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1039.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 522  | 522 | 522 | 522  | 522  |      |
| 5°  | 640  | 595 | 507 | 445  | 421  | 65   |
| 15° | 919  | 713 | 421 | 298  | 265  | 260  |
| 25° | 1028 | 719 | 312 | 189  | 159  | 472  |
| 35° | 922  | 610 | 218 | 124  | 106  | 571  |
| 45° | 645  | 413 | 147 | 88   | 74   | 494  |
| 55° | 327  | 239 | 97  | 62   | 50   | 303  |
| 65° | 142  | 97  | 56  | 35   | 26   | 143  |
| 75° | 24   | 21  | 12  | 6    | 3    | 31   |
| 85° | 0    | 0   | 0   | 0    | 0    | 0    |
| 90° | 0    | 0   | 0   | 0    | 0    | 0    |



TEST NUMBER: P#  
 CATALOG NUMBER: P3ART24R709035D010 E3LSWW1GPH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 521.6  | 521.6  | 521.6 | 521.6 | 521.6 | 521.6 | 521.6 | 521.6 | 521.6 | 521.6 | 521.6 |
| 2.5°  | 580.5  | 577.6  | 577.6 | 571.7 | 565.8 | 559.9 | 551.1 | 542.2 | 533.4 | 524.5 | 518.7 |
| 5°    | 639.5  | 642.4  | 639.5 | 627.7 | 613.0 | 595.3 | 577.6 | 557.0 | 536.3 | 518.7 | 506.9 |
| 7.5°  | 707.3  | 707.3  | 698.4 | 683.7 | 663.0 | 633.6 | 604.1 | 568.7 | 536.3 | 506.9 | 492.1 |
| 10°   | 772.1  | 772.1  | 757.3 | 733.8 | 701.4 | 663.0 | 621.8 | 574.6 | 530.4 | 489.2 | 471.5 |
| 12.5° | 851.6  | 848.7  | 831.0 | 792.7 | 745.6 | 689.6 | 633.6 | 574.6 | 521.6 | 471.5 | 447.9 |
| 15°   | 919.4  | 916.5  | 892.9 | 845.8 | 783.9 | 713.1 | 636.5 | 568.7 | 503.9 | 447.9 | 421.4 |
| 17.5° | 969.5  | 963.6  | 937.1 | 887.0 | 816.3 | 727.9 | 639.5 | 557.0 | 483.3 | 421.4 | 394.9 |
| 20°   | 1001.9 | 999.0  | 969.5 | 910.6 | 834.0 | 736.7 | 636.5 | 542.2 | 462.7 | 394.9 | 365.4 |
| 22.5° | 1022.6 | 1016.7 | 987.2 | 922.4 | 834.0 | 733.8 | 624.7 | 521.6 | 436.1 | 368.4 | 338.9 |
| 25°   | 1028.5 | 1025.5 | 990.2 | 919.4 | 825.1 | 719.0 | 607.1 | 501.0 | 409.6 | 341.8 | 312.4 |
| 26°   | 1028.5 | 1025.5 | 990.2 | 916.5 | 819.2 | 710.2 | 598.2 | 492.1 | 400.8 | 330.1 | 303.5 |
| 27.5° | 1025.5 | 1022.6 | 984.3 | 907.6 | 807.4 | 695.5 | 580.5 | 474.4 | 383.1 | 315.3 | 285.8 |
| 30°   | 1007.8 | 1001.9 | 963.6 | 887.0 | 780.9 | 666.0 | 551.1 | 447.9 | 356.6 | 288.8 | 262.3 |
| 32.5° | 969.5  | 963.6  | 922.4 | 851.6 | 751.5 | 633.6 | 518.7 | 418.5 | 330.1 | 262.3 | 238.7 |
| 35°   | 922.4  | 916.5  | 875.2 | 807.4 | 710.2 | 610.0 | 483.3 | 386.0 | 300.6 | 241.6 | 218.1 |
| 37.5° | 863.4  | 854.6  | 819.2 | 748.5 | 660.1 | 583.5 | 453.8 | 353.6 | 274.1 | 218.1 | 197.4 |
| 40°   | 789.8  | 786.8  | 754.4 | 689.6 | 601.2 | 536.3 | 436.1 | 353.6 | 250.5 | 197.4 | 179.8 |
| 42.5° | 719.0  | 713.1  | 683.7 | 627.7 | 548.1 | 468.6 | 383.1 | 338.9 | 232.8 | 176.8 | 162.1 |
| 45°   | 645.4  | 639.5  | 613.0 | 565.8 | 492.1 | 412.6 | 412.6 | 291.7 | 200.4 | 162.1 | 147.3 |
| 47.5° | 565.8  | 559.9  | 539.3 | 503.9 | 439.1 | 368.4 | 300.6 | 238.7 | 182.7 | 144.4 | 132.6 |
| 50°   | 486.2  | 489.2  | 471.5 | 436.1 | 386.0 | 321.2 | 259.3 | 200.4 | 156.2 | 129.7 | 117.9 |
| 52.5° | 406.7  | 403.7  | 391.9 | 368.4 | 333.0 | 277.0 | 221.0 | 170.9 | 135.6 | 114.9 | 109.0 |
| 55°   | 327.1  | 330.1  | 324.2 | 309.4 | 280.0 | 238.7 | 185.7 | 147.3 | 120.8 | 103.1 | 97.2  |
| 57.5° | 271.1  | 274.1  | 262.3 | 253.4 | 229.9 | 194.5 | 153.2 | 123.8 | 103.1 | 91.4  | 85.5  |
| 60°   | 224.0  | 226.9  | 218.1 | 206.3 | 188.6 | 156.2 | 123.8 | 103.1 | 91.4  | 82.5  | 76.6  |
| 62.5° | 182.7  | 179.8  | 173.9 | 162.1 | 147.3 | 123.8 | 100.2 | 85.5  | 76.6  | 70.7  | 67.8  |
| 65°   | 141.5  | 141.5  | 135.6 | 126.7 | 114.9 | 97.2  | 79.6  | 70.7  | 64.8  | 58.9  | 56.0  |
| 67.5° | 106.1  | 106.1  | 100.2 | 94.3  | 82.5  | 70.7  | 61.9  | 56.0  | 53.0  | 47.2  | 44.2  |
| 70°   | 73.7   | 73.7   | 70.7  | 67.8  | 58.9  | 50.1  | 47.2  | 41.3  | 38.3  | 35.4  | 32.4  |
| 72.5° | 47.2   | 47.2   | 47.2  | 41.3  | 38.3  | 32.4  | 32.4  | 29.5  | 26.5  | 23.6  | 23.6  |
| 75°   | 23.6   | 26.5   | 23.6  | 23.6  | 20.6  | 20.6  | 17.7  | 17.7  | 14.7  | 14.7  | 11.8  |
| 77.5° | 8.8    | 8.8    | 8.8   | 8.8   | 8.8   | 8.8   | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   |
| 80°   | 2.9    | 2.9    | 2.9   | 2.9   | 2.9   | 2.9   | 2.9   | 2.9   | 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#  
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**CANDELA DISTRIBUTION (continued):**

|       | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 521.6 | 521.6 | 521.6 | 521.6 | 521.6 | 521.6 | 521.6 | 521.6 | 521.6 | 521.6 |
| 2.5°  | 512.8 | 503.9 | 498.0 | 489.2 | 483.3 | 477.4 | 474.4 | 471.5 | 471.5 | 471.5 |
| 5°    | 498.0 | 483.3 | 468.6 | 453.8 | 445.0 | 436.1 | 427.3 | 424.4 | 421.4 | 421.4 |
| 7.5°  | 480.3 | 456.8 | 436.1 | 418.5 | 403.7 | 394.9 | 386.0 | 380.1 | 377.2 | 377.2 |
| 10°   | 456.8 | 427.3 | 403.7 | 380.1 | 365.4 | 353.6 | 347.7 | 338.9 | 338.9 | 335.9 |
| 12.5° | 430.2 | 394.9 | 368.4 | 347.7 | 333.0 | 318.3 | 309.4 | 303.5 | 300.6 | 300.6 |
| 15°   | 400.8 | 365.4 | 335.9 | 312.4 | 297.6 | 282.9 | 274.1 | 268.2 | 265.2 | 265.2 |
| 17.5° | 371.3 | 333.0 | 303.5 | 280.0 | 265.2 | 250.5 | 241.6 | 235.8 | 235.8 | 232.8 |
| 20°   | 341.8 | 303.5 | 274.1 | 250.5 | 235.8 | 224.0 | 215.1 | 209.2 | 206.3 | 209.2 |
| 22.5° | 315.3 | 277.0 | 247.5 | 226.9 | 209.2 | 197.4 | 188.6 | 185.7 | 182.7 | 182.7 |
| 25°   | 285.8 | 250.5 | 224.0 | 203.3 | 188.6 | 176.8 | 168.0 | 165.0 | 162.1 | 159.1 |
| 26°   | 277.0 | 241.6 | 215.1 | 194.5 | 179.8 | 168.0 | 162.1 | 156.2 | 153.2 | 153.2 |
| 27.5° | 265.2 | 226.9 | 203.3 | 182.7 | 168.0 | 159.1 | 150.3 | 147.3 | 144.4 | 144.4 |
| 30°   | 238.7 | 206.3 | 182.7 | 165.0 | 153.2 | 141.5 | 135.6 | 132.6 | 129.7 | 129.7 |
| 32.5° | 218.1 | 185.7 | 165.0 | 150.3 | 138.5 | 129.7 | 123.8 | 117.9 | 117.9 | 117.9 |
| 35°   | 197.4 | 168.0 | 150.3 | 135.6 | 123.8 | 114.9 | 112.0 | 109.0 | 106.1 | 106.1 |
| 37.5° | 179.8 | 153.2 | 135.6 | 123.8 | 114.9 | 106.1 | 100.2 | 97.2  | 97.2  | 97.2  |
| 40°   | 162.1 | 141.5 | 123.8 | 112.0 | 103.1 | 97.2  | 91.4  | 88.4  | 88.4  | 88.4  |
| 42.5° | 147.3 | 126.7 | 114.9 | 103.1 | 94.3  | 88.4  | 85.5  | 82.5  | 79.6  | 79.6  |
| 45°   | 135.6 | 117.9 | 103.1 | 94.3  | 88.4  | 82.5  | 76.6  | 73.7  | 73.7  | 73.7  |
| 47.5° | 120.8 | 109.0 | 94.3  | 85.5  | 79.6  | 73.7  | 70.7  | 67.8  | 67.8  | 67.8  |
| 50°   | 112.0 | 100.2 | 88.4  | 79.6  | 73.7  | 67.8  | 64.8  | 61.9  | 61.9  | 61.9  |
| 52.5° | 100.2 | 91.4  | 82.5  | 73.7  | 67.8  | 61.9  | 58.9  | 56.0  | 56.0  | 56.0  |
| 55°   | 91.4  | 82.5  | 73.7  | 67.8  | 61.9  | 56.0  | 53.0  | 50.1  | 50.1  | 50.1  |
| 57.5° | 82.5  | 73.7  | 67.8  | 61.9  | 56.0  | 53.0  | 47.2  | 47.2  | 44.2  | 44.2  |
| 60°   | 73.7  | 64.8  | 58.9  | 56.0  | 50.1  | 47.2  | 41.3  | 38.3  | 38.3  | 38.3  |
| 62.5° | 61.9  | 58.9  | 53.0  | 47.2  | 41.3  | 38.3  | 35.4  | 32.4  | 32.4  | 32.4  |
| 65°   | 53.0  | 50.1  | 44.2  | 38.3  | 35.4  | 32.4  | 29.5  | 26.5  | 26.5  | 26.5  |
| 67.5° | 44.2  | 38.3  | 35.4  | 32.4  | 29.5  | 26.5  | 23.6  | 20.6  | 17.7  | 20.6  |
| 70°   | 32.4  | 29.5  | 26.5  | 23.6  | 20.6  | 17.7  | 14.7  | 14.7  | 11.8  | 11.8  |
| 72.5° | 20.6  | 17.7  | 17.7  | 14.7  | 11.8  | 11.8  | 8.8   | 8.8   | 5.9   | 5.9   |
| 75°   | 11.8  | 11.8  | 8.8   | 8.8   | 5.9   | 5.9   | 2.9   | 2.9   | 2.9   | 2.9   |
| 77.5° | 5.9   | 2.9   | 2.9   | 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)