

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: P1446359

Luminaire Tested: P3ART17R709727DE010 E3LSWW1H

Issue Date: 5/8/2026

**Test Information**

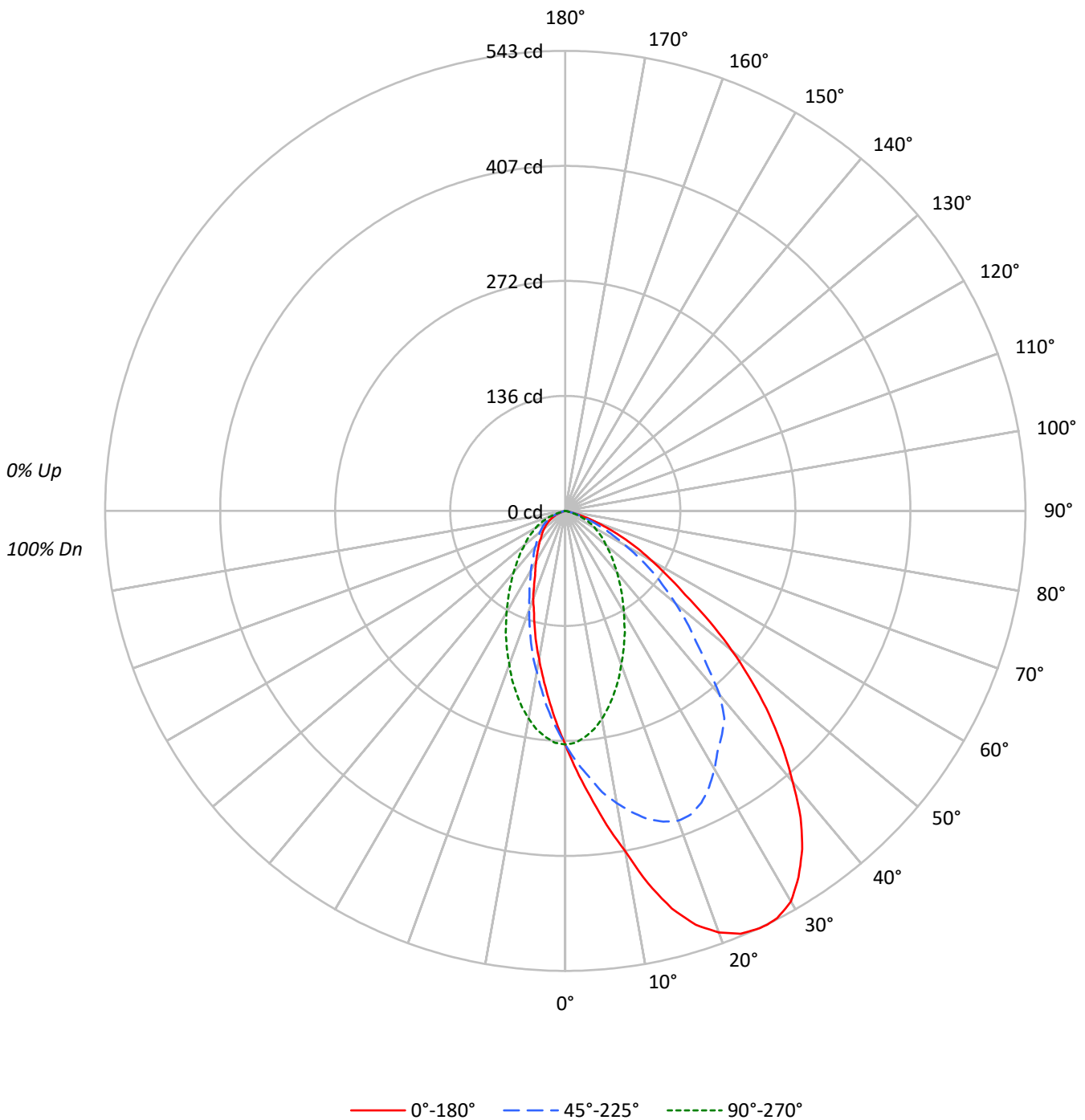
Test Method: LM-79-2019  
Report Number: P1446359  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709727DE010 E3LSWW1H  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3LSWW1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 549.0 lumens  
Efficiency: N/A  
Efficacy: 25.9 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): 21.2  
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: P1446359  
CATALOG NUMBER: P3ART17R709727DE010 E3LSWW1H

### Luminous Intensity Polar Plot





TEST NUMBER: P1446359

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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°  | 60434  | 60434 | 60434 | 60434 | 60434 |
| 5°  | 74378  | 69227 | 58948 | 51750 | 49020 |
| 10° | 90847  | 77999 | 55465 | 42996 | 39523 |
| 15° | 110284 | 85540 | 50556 | 35710 | 31805 |
| 20° | 123537 | 90845 | 45061 | 29076 | 25809 |
| 25° | 131475 | 91917 | 39946 | 24122 | 20348 |
| 30° | 134831 | 89102 | 35094 | 20509 | 17344 |
| 35° | 130473 | 86277 | 30838 | 17507 | 15018 |
| 40° | 119452 | 81123 | 27194 | 15601 | 13368 |
| 45° | 105747 | 67604 | 24158 | 14482 | 12063 |
| 50° | 87639  | 57891 | 21253 | 13270 | 11155 |
| 55° | 66062  | 48209 | 19650 | 12501 | 10131 |
| 60° | 51882  | 36181 | 17762 | 11622 | 8859  |
| 65° | 38759  | 26670 | 15358 | 9703  | 7264  |
| 70° | 24940  | 16990 | 10963 | 6988  | 3975  |
| 75° | 10590  | 9235  | 5253  | 2626  | 1356  |
| 80° | 2020   | 2020  | 0     | 0     | 0     |
| 85° | 0      | 0     | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 105747 cd/sqm



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CATALOG NUMBER: P3ART17R709727DE010 E3LSWW1H

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 26.2   | 4.8       |
| 10°-20°   | 75.2   | 13.7      |
| 20°-30°   | 110.0  | 20.0      |
| 30°-40°   | 119.9  | 21.8      |
| 40°-50°   | 103.7  | 18.9      |
| 50°-60°   | 69.5   | 12.7      |
| 60°-70°   | 35.9   | 6.5       |
| 70°-80°   | 8.5    | 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°    | 211.4  | 38.5      |
| 0°-40°    | 331.3  | 60.3      |
| 0°-60°    | 504.5  | 91.9      |
| 0°-90°    | 549.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 549.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 276 | 276 | 276 | 276  | 276  |      |
| 5°  | 338 | 314 | 268 | 235  | 223  | 34   |
| 15° | 486 | 377 | 223 | 157  | 140  | 138  |
| 25° | 543 | 380 | 165 | 100  | 84   | 250  |
| 35° | 487 | 322 | 115 | 65   | 56   | 302  |
| 45° | 341 | 218 | 78  | 47   | 39   | 261  |
| 55° | 173 | 126 | 51  | 33   | 26   | 160  |
| 65° | 75  | 51  | 30  | 19   | 14   | 75   |
| 75° | 12  | 11  | 6   | 3    | 2    | 16   |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |



TEST NUMBER: P1446359  
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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 275.6 | 275.6 | 275.6 | 275.6 | 275.6 | 275.6 | 275.6 | 275.6 | 275.6 | 275.6 | 275.6 |
| 2.5°  | 306.8 | 305.2 | 305.2 | 302.1 | 299.0 | 295.9 | 291.2 | 286.5 | 281.8 | 277.2 | 274.1 |
| 5°    | 337.9 | 339.4 | 337.9 | 331.7 | 323.9 | 314.5 | 305.2 | 294.3 | 283.4 | 274.1 | 267.8 |
| 7.5°  | 373.7 | 373.7 | 369.0 | 361.2 | 350.3 | 334.8 | 319.2 | 300.5 | 283.4 | 267.8 | 260.0 |
| 10°   | 408.0 | 408.0 | 400.2 | 387.7 | 370.6 | 350.3 | 328.5 | 303.6 | 280.3 | 258.5 | 249.1 |
| 12.5° | 450.0 | 448.4 | 439.1 | 418.9 | 393.9 | 364.4 | 334.8 | 303.6 | 275.6 | 249.1 | 236.7 |
| 15°   | 485.8 | 484.3 | 471.8 | 446.9 | 414.2 | 376.8 | 336.3 | 300.5 | 266.3 | 236.7 | 222.7 |
| 17.5° | 512.3 | 509.2 | 495.2 | 468.7 | 431.3 | 384.6 | 337.9 | 294.3 | 255.4 | 222.7 | 208.7 |
| 20°   | 529.4 | 527.9 | 512.3 | 481.1 | 440.7 | 389.3 | 336.3 | 286.5 | 244.5 | 208.7 | 193.1 |
| 22.5° | 540.3 | 537.2 | 521.6 | 487.4 | 440.7 | 387.7 | 330.1 | 275.6 | 230.5 | 194.6 | 179.1 |
| 25°   | 543.4 | 541.9 | 523.2 | 485.8 | 436.0 | 379.9 | 320.8 | 264.7 | 216.4 | 180.6 | 165.1 |
| 26°   | 543.4 | 541.9 | 523.2 | 484.3 | 432.9 | 375.3 | 316.1 | 260.0 | 211.8 | 174.4 | 160.4 |
| 27.5° | 541.9 | 540.3 | 520.1 | 479.6 | 426.6 | 367.5 | 306.8 | 250.7 | 202.4 | 166.6 | 151.0 |
| 30°   | 532.5 | 529.4 | 509.2 | 468.7 | 412.6 | 351.9 | 291.2 | 236.7 | 188.4 | 152.6 | 138.6 |
| 32.5° | 512.3 | 509.2 | 487.4 | 450.0 | 397.1 | 334.8 | 274.1 | 221.1 | 174.4 | 138.6 | 126.1 |
| 35°   | 487.4 | 484.3 | 462.5 | 426.6 | 375.3 | 322.3 | 255.4 | 204.0 | 158.8 | 127.7 | 115.2 |
| 37.5° | 456.2 | 451.6 | 432.9 | 395.5 | 348.8 | 308.3 | 239.8 | 186.9 | 144.8 | 115.2 | 104.3 |
| 40°   | 417.3 | 415.7 | 398.6 | 364.4 | 317.6 | 283.4 | 230.5 | 186.9 | 132.4 | 104.3 | 95.0  |
| 42.5° | 379.9 | 376.8 | 361.2 | 331.7 | 289.6 | 247.6 | 202.4 | 179.1 | 123.0 | 93.4  | 85.6  |
| 45°   | 341.0 | 337.9 | 323.9 | 299.0 | 260.0 | 218.0 | 218.0 | 154.2 | 105.9 | 85.6  | 77.9  |
| 47.5° | 299.0 | 295.9 | 285.0 | 266.3 | 232.0 | 194.6 | 158.8 | 126.1 | 96.5  | 76.3  | 70.1  |
| 50°   | 256.9 | 258.5 | 249.1 | 230.5 | 204.0 | 169.7 | 137.0 | 105.9 | 82.5  | 68.5  | 62.3  |
| 52.5° | 214.9 | 213.3 | 207.1 | 194.6 | 176.0 | 146.4 | 116.8 | 90.3  | 71.6  | 60.7  | 57.6  |
| 55°   | 172.8 | 174.4 | 171.3 | 163.5 | 147.9 | 126.1 | 98.1  | 77.9  | 63.8  | 54.5  | 51.4  |
| 57.5° | 143.3 | 144.8 | 138.6 | 133.9 | 121.5 | 102.8 | 81.0  | 65.4  | 54.5  | 48.3  | 45.2  |
| 60°   | 118.3 | 119.9 | 115.2 | 109.0 | 99.7  | 82.5  | 65.4  | 54.5  | 48.3  | 43.6  | 40.5  |
| 62.5° | 96.5  | 95.0  | 91.9  | 85.6  | 77.9  | 65.4  | 52.9  | 45.2  | 40.5  | 37.4  | 35.8  |
| 65°   | 74.7  | 74.7  | 71.6  | 67.0  | 60.7  | 51.4  | 42.0  | 37.4  | 34.3  | 31.1  | 29.6  |
| 67.5° | 56.1  | 56.1  | 52.9  | 49.8  | 43.6  | 37.4  | 32.7  | 29.6  | 28.0  | 24.9  | 23.4  |
| 70°   | 38.9  | 38.9  | 37.4  | 35.8  | 31.1  | 26.5  | 24.9  | 21.8  | 20.2  | 18.7  | 17.1  |
| 72.5° | 24.9  | 24.9  | 24.9  | 21.8  | 20.2  | 17.1  | 17.1  | 15.6  | 14.0  | 12.5  | 12.5  |
| 75°   | 12.5  | 14.0  | 12.5  | 12.5  | 10.9  | 10.9  | 9.3   | 9.3   | 7.8   | 7.8   | 6.2   |
| 77.5° | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   |
| 80°   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 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: P1446359

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**CANDELA DISTRIBUTION (continued):**

|       | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 275.6 | 275.6 | 275.6 | 275.6 | 275.6 | 275.6 | 275.6 | 275.6 | 275.6 | 275.6 |
| 2.5°  | 270.9 | 266.3 | 263.2 | 258.5 | 255.4 | 252.3 | 250.7 | 249.1 | 249.1 | 249.1 |
| 5°    | 263.2 | 255.4 | 247.6 | 239.8 | 235.1 | 230.5 | 225.8 | 224.2 | 222.7 | 222.7 |
| 7.5°  | 253.8 | 241.4 | 230.5 | 221.1 | 213.3 | 208.7 | 204.0 | 200.9 | 199.3 | 199.3 |
| 10°   | 241.4 | 225.8 | 213.3 | 200.9 | 193.1 | 186.9 | 183.7 | 179.1 | 179.1 | 177.5 |
| 12.5° | 227.3 | 208.7 | 194.6 | 183.7 | 176.0 | 168.2 | 163.5 | 160.4 | 158.8 | 158.8 |
| 15°   | 211.8 | 193.1 | 177.5 | 165.1 | 157.3 | 149.5 | 144.8 | 141.7 | 140.1 | 140.1 |
| 17.5° | 196.2 | 176.0 | 160.4 | 147.9 | 140.1 | 132.4 | 127.7 | 124.6 | 124.6 | 123.0 |
| 20°   | 180.6 | 160.4 | 144.8 | 132.4 | 124.6 | 118.3 | 113.7 | 110.6 | 109.0 | 110.6 |
| 22.5° | 166.6 | 146.4 | 130.8 | 119.9 | 110.6 | 104.3 | 99.7  | 98.1  | 96.5  | 96.5  |
| 25°   | 151.0 | 132.4 | 118.3 | 107.4 | 99.7  | 93.4  | 88.8  | 87.2  | 85.6  | 84.1  |
| 26°   | 146.4 | 127.7 | 113.7 | 102.8 | 95.0  | 88.8  | 85.6  | 82.5  | 81.0  | 81.0  |
| 27.5° | 140.1 | 119.9 | 107.4 | 96.5  | 88.8  | 84.1  | 79.4  | 77.9  | 76.3  | 76.3  |
| 30°   | 126.1 | 109.0 | 96.5  | 87.2  | 81.0  | 74.7  | 71.6  | 70.1  | 68.5  | 68.5  |
| 32.5° | 115.2 | 98.1  | 87.2  | 79.4  | 73.2  | 68.5  | 65.4  | 62.3  | 62.3  | 62.3  |
| 35°   | 104.3 | 88.8  | 79.4  | 71.6  | 65.4  | 60.7  | 59.2  | 57.6  | 56.1  | 56.1  |
| 37.5° | 95.0  | 81.0  | 71.6  | 65.4  | 60.7  | 56.1  | 52.9  | 51.4  | 51.4  | 51.4  |
| 40°   | 85.6  | 74.7  | 65.4  | 59.2  | 54.5  | 51.4  | 48.3  | 46.7  | 46.7  | 46.7  |
| 42.5° | 77.9  | 67.0  | 60.7  | 54.5  | 49.8  | 46.7  | 45.2  | 43.6  | 42.0  | 42.0  |
| 45°   | 71.6  | 62.3  | 54.5  | 49.8  | 46.7  | 43.6  | 40.5  | 38.9  | 38.9  | 38.9  |
| 47.5° | 63.8  | 57.6  | 49.8  | 45.2  | 42.0  | 38.9  | 37.4  | 35.8  | 35.8  | 35.8  |
| 50°   | 59.2  | 52.9  | 46.7  | 42.0  | 38.9  | 35.8  | 34.3  | 32.7  | 32.7  | 32.7  |
| 52.5° | 52.9  | 48.3  | 43.6  | 38.9  | 35.8  | 32.7  | 31.1  | 29.6  | 29.6  | 29.6  |
| 55°   | 48.3  | 43.6  | 38.9  | 35.8  | 32.7  | 29.6  | 28.0  | 26.5  | 26.5  | 26.5  |
| 57.5° | 43.6  | 38.9  | 35.8  | 32.7  | 29.6  | 28.0  | 24.9  | 24.9  | 23.4  | 23.4  |
| 60°   | 38.9  | 34.3  | 31.1  | 29.6  | 26.5  | 24.9  | 21.8  | 20.2  | 20.2  | 20.2  |
| 62.5° | 32.7  | 31.1  | 28.0  | 24.9  | 21.8  | 20.2  | 18.7  | 17.1  | 17.1  | 17.1  |
| 65°   | 28.0  | 26.5  | 23.4  | 20.2  | 18.7  | 17.1  | 15.6  | 14.0  | 14.0  | 14.0  |
| 67.5° | 23.4  | 20.2  | 18.7  | 17.1  | 15.6  | 14.0  | 12.5  | 10.9  | 9.3   | 10.9  |
| 70°   | 17.1  | 15.6  | 14.0  | 12.5  | 10.9  | 9.3   | 7.8   | 7.8   | 6.2   | 6.2   |
| 72.5° | 10.9  | 9.3   | 9.3   | 7.8   | 6.2   | 6.2   | 4.7   | 4.7   | 3.1   | 3.1   |
| 75°   | 6.2   | 6.2   | 4.7   | 4.7   | 3.1   | 3.1   | 1.6   | 1.6   | 1.6   | 1.6   |
| 77.5° | 3.1   | 1.6   | 1.6   | 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)