

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: P3ART17R70W2N902765DE010 E3LSWW1GPH\_4000K

Issue Date: 5/8/2026

**Test Information**

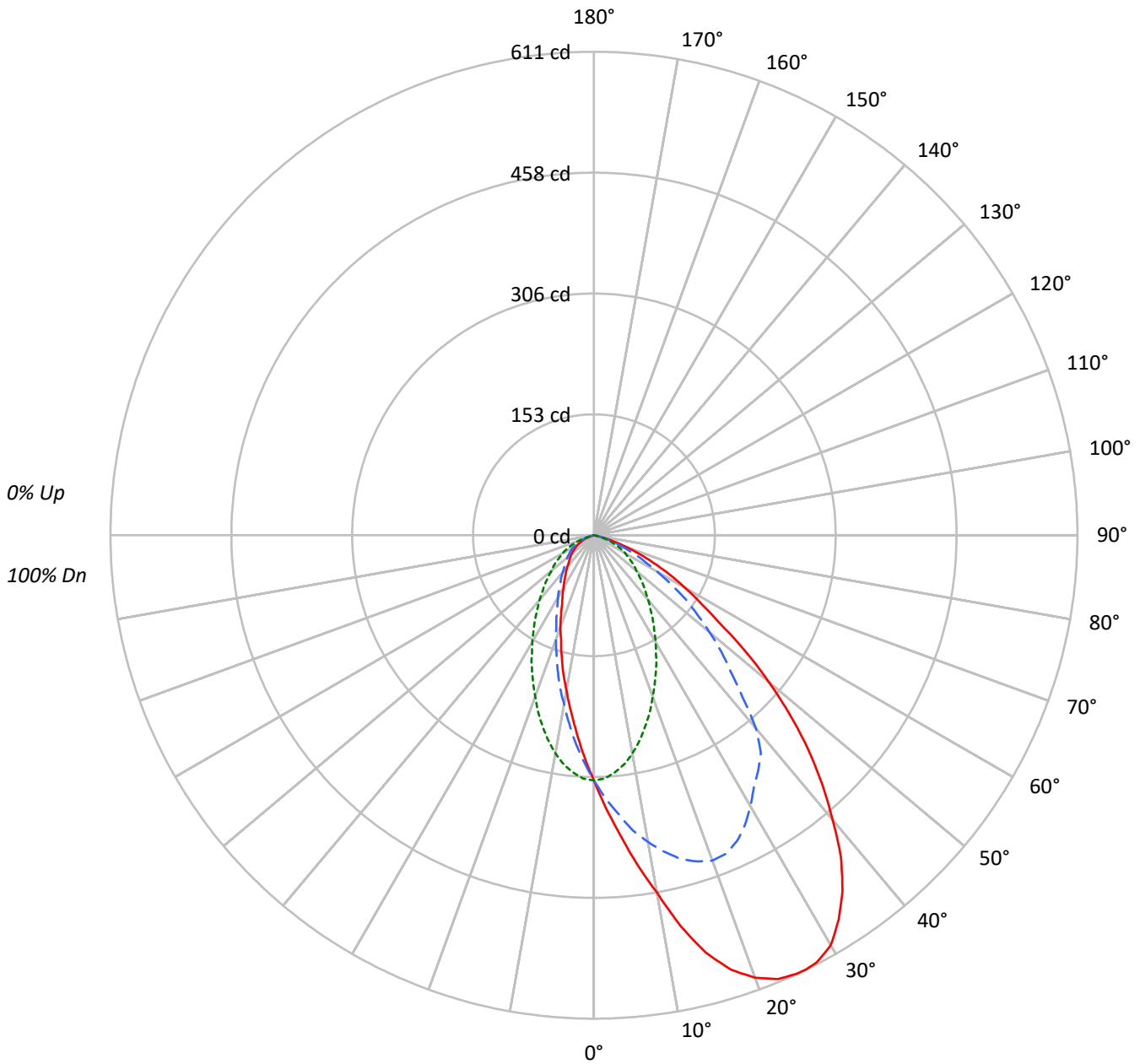
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R70W2N902765DE010 E3LSWW1GPH\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI ,  
E3LSWW1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 616.9 lumens  
Efficiency: N/A  
Efficacy: 31.8 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): 19.4  
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: P3ART17R70W2N902765DE010 E3LSWW1GPH\_4000K

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°



TEST NUMBER: P#

CATALOG NUMBER: P3ART17R70W2N902765DE010 E3LSWW1GPH\_4000K

**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 | 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  | 90  | 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°  | 67911  | 67911  | 67911 | 67911 | 67911 |
| 5°  | 83579  | 77812  | 66256 | 58155 | 55074 |
| 10° | 102091 | 87663  | 62346 | 48318 | 44421 |
| 15° | 123951 | 96141  | 56799 | 40114 | 35755 |
| 20° | 138845 | 102092 | 50638 | 32670 | 28983 |
| 25° | 147759 | 103312 | 44882 | 27098 | 22864 |
| 30° | 151542 | 100142 | 39424 | 23042 | 19497 |
| 35° | 146615 | 96958  | 34666 | 19675 | 16865 |
| 40° | 134252 | 91171  | 30543 | 17519 | 15028 |
| 45° | 118834 | 75977  | 27135 | 16281 | 13552 |
| 50° | 98487  | 65055  | 23880 | 14908 | 12520 |
| 55° | 74243  | 54173  | 22059 | 14031 | 11354 |
| 60° | 58329  | 40655  | 19955 | 13025 | 9955  |
| 65° | 43584  | 29938  | 17226 | 10896 | 8146  |
| 70° | 28018  | 19042  | 12310 | 7822  | 4488  |
| 75° | 11861  | 10336  | 5931  | 2965  | 1440  |
| 80° | 2147   | 2147   | 0     | 0     | 0     |
| 85° | 0      | 0      | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 118834 cd/sqm



TEST NUMBER: P#

CATALOG NUMBER: P3ART17R70W2N902765DE010 E3LSWW1GPH\_4000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 29.4   | 4.8       |
| 10°-20°   | 84.6   | 13.7      |
| 20°-30°   | 123.6  | 20.0      |
| 30°-40°   | 134.7  | 21.8      |
| 40°-50°   | 116.6  | 18.9      |
| 50°-60°   | 78.1   | 12.7      |
| 60°-70°   | 40.3   | 6.5       |
| 70°-80°   | 9.5    | 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°    | 237.6  | 38.5      |
| 0°-40°    | 372.3  | 60.4      |
| 0°-60°    | 567.0  | 91.9      |
| 0°-90°    | 616.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 616.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 310 | 310 | 310 | 310  | 310  |      |
| 5°  | 380 | 354 | 301 | 264  | 250  | 39   |
| 15° | 546 | 424 | 250 | 177  | 158  | 155  |
| 25° | 611 | 427 | 186 | 112  | 94   | 281  |
| 35° | 548 | 362 | 130 | 74   | 63   | 339  |
| 45° | 383 | 245 | 88  | 52   | 44   | 293  |
| 55° | 194 | 142 | 58  | 37   | 30   | 180  |
| 65° | 84  | 58  | 33  | 21   | 16   | 85   |
| 75° | 14  | 12  | 7   | 4    | 2    | 18   |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |



TEST NUMBER: P#  
 CATALOG NUMBER: P3ART17R70W2N902765DE010 E3LSWW1GPH\_4000K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 |
| 2.5°  | 344.7 | 343.0 | 343.0 | 339.5 | 336.0 | 332.5 | 327.2 | 322.0 | 316.7 | 311.5 | 308.0 |
| 5°    | 379.7 | 381.5 | 379.7 | 372.7 | 364.0 | 353.5 | 343.0 | 330.7 | 318.5 | 308.0 | 301.0 |
| 7.5°  | 420.0 | 420.0 | 414.7 | 406.0 | 393.7 | 376.2 | 358.7 | 337.7 | 318.5 | 301.0 | 292.2 |
| 10°   | 458.5 | 458.5 | 449.7 | 435.7 | 416.5 | 393.7 | 369.2 | 341.2 | 315.0 | 290.5 | 280.0 |
| 12.5° | 505.7 | 504.0 | 493.5 | 470.7 | 442.7 | 409.5 | 376.2 | 341.2 | 309.7 | 280.0 | 266.0 |
| 15°   | 546.0 | 544.2 | 530.2 | 502.2 | 465.5 | 423.5 | 378.0 | 337.7 | 299.2 | 266.0 | 250.2 |
| 17.5° | 575.7 | 572.2 | 556.5 | 526.7 | 484.7 | 432.2 | 379.7 | 330.7 | 287.0 | 250.2 | 234.5 |
| 20°   | 595.0 | 593.2 | 575.7 | 540.7 | 495.2 | 437.5 | 378.0 | 322.0 | 274.7 | 234.5 | 217.0 |
| 22.5° | 607.2 | 603.7 | 586.2 | 547.7 | 495.2 | 435.7 | 371.0 | 309.7 | 259.0 | 218.7 | 201.2 |
| 25°   | 610.7 | 609.0 | 588.0 | 546.0 | 490.0 | 427.0 | 360.5 | 297.5 | 243.2 | 203.0 | 185.5 |
| 26°   | 610.7 | 609.0 | 588.0 | 544.2 | 486.5 | 421.7 | 355.2 | 292.2 | 238.0 | 196.0 | 180.2 |
| 27.5° | 609.0 | 607.2 | 584.5 | 539.0 | 479.5 | 413.0 | 344.7 | 281.7 | 227.5 | 187.2 | 169.7 |
| 30°   | 598.5 | 595.0 | 572.2 | 526.7 | 463.7 | 395.5 | 327.2 | 266.0 | 211.7 | 171.5 | 155.7 |
| 32.5° | 575.7 | 572.2 | 547.7 | 505.7 | 446.2 | 376.2 | 308.0 | 248.5 | 196.0 | 155.7 | 141.7 |
| 35°   | 547.7 | 544.2 | 519.7 | 479.5 | 421.7 | 362.2 | 287.0 | 229.2 | 178.5 | 143.5 | 129.5 |
| 37.5° | 512.7 | 507.5 | 486.5 | 444.5 | 392.0 | 346.5 | 269.5 | 210.0 | 162.7 | 129.5 | 117.2 |
| 40°   | 469.0 | 467.2 | 448.0 | 409.5 | 357.0 | 318.5 | 259.0 | 210.0 | 148.7 | 117.2 | 106.7 |
| 42.5° | 427.0 | 423.5 | 406.0 | 372.7 | 325.5 | 278.2 | 227.5 | 201.2 | 138.2 | 105.0 | 96.2  |
| 45°   | 383.2 | 379.7 | 364.0 | 336.0 | 292.2 | 245.0 | 245.0 | 173.2 | 119.0 | 96.2  | 87.5  |
| 47.5° | 336.0 | 332.5 | 320.2 | 299.2 | 260.7 | 218.7 | 178.5 | 141.7 | 108.5 | 85.7  | 78.7  |
| 50°   | 288.7 | 290.5 | 280.0 | 259.0 | 229.2 | 190.7 | 154.0 | 119.0 | 92.7  | 77.0  | 70.0  |
| 52.5° | 241.5 | 239.7 | 232.7 | 218.7 | 197.7 | 164.5 | 131.2 | 101.5 | 80.5  | 68.2  | 64.7  |
| 55°   | 194.2 | 196.0 | 192.5 | 183.7 | 166.2 | 141.7 | 110.2 | 87.5  | 71.7  | 61.2  | 57.7  |
| 57.5° | 161.0 | 162.7 | 155.7 | 150.5 | 136.5 | 115.5 | 91.0  | 73.5  | 61.2  | 54.2  | 50.7  |
| 60°   | 133.0 | 134.7 | 129.5 | 122.5 | 112.0 | 92.7  | 73.5  | 61.2  | 54.2  | 49.0  | 45.5  |
| 62.5° | 108.5 | 106.7 | 103.2 | 96.2  | 87.5  | 73.5  | 59.5  | 50.7  | 45.5  | 42.0  | 40.2  |
| 65°   | 84.0  | 84.0  | 80.5  | 75.2  | 68.2  | 57.7  | 47.2  | 42.0  | 38.5  | 35.0  | 33.2  |
| 67.5° | 63.0  | 63.0  | 59.5  | 56.0  | 49.0  | 42.0  | 36.7  | 33.2  | 31.5  | 28.0  | 26.2  |
| 70°   | 43.7  | 43.7  | 42.0  | 40.2  | 35.0  | 29.7  | 28.0  | 24.5  | 22.7  | 21.0  | 19.2  |
| 72.5° | 28.0  | 28.0  | 28.0  | 24.5  | 22.7  | 19.2  | 19.2  | 17.5  | 15.7  | 14.0  | 14.0  |
| 75°   | 14.0  | 15.7  | 14.0  | 14.0  | 12.2  | 12.2  | 10.5  | 10.5  | 8.7   | 8.7   | 7.0   |
| 77.5° | 5.2   | 5.2   | 5.2   | 5.2   | 5.2   | 5.2   | 3.5   | 3.5   | 3.5   | 3.5   | 3.5   |
| 80°   | 1.7   | 1.7   | 1.7   | 1.7   | 1.7   | 1.7   | 1.7   | 1.7   | 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   |



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**CANDELA DISTRIBUTION (continued):**

|       | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 |
| 2.5°  | 304.5 | 299.2 | 295.7 | 290.5 | 287.0 | 283.5 | 281.7 | 280.0 | 280.0 | 280.0 |
| 5°    | 295.7 | 287.0 | 278.2 | 269.5 | 264.2 | 259.0 | 253.7 | 252.0 | 250.2 | 250.2 |
| 7.5°  | 285.2 | 271.2 | 259.0 | 248.5 | 239.7 | 234.5 | 229.2 | 225.7 | 224.0 | 224.0 |
| 10°   | 271.2 | 253.7 | 239.7 | 225.7 | 217.0 | 210.0 | 206.5 | 201.2 | 201.2 | 199.5 |
| 12.5° | 255.5 | 234.5 | 218.7 | 206.5 | 197.7 | 189.0 | 183.7 | 180.2 | 178.5 | 178.5 |
| 15°   | 238.0 | 217.0 | 199.5 | 185.5 | 176.7 | 168.0 | 162.7 | 159.2 | 157.5 | 157.5 |
| 17.5° | 220.5 | 197.7 | 180.2 | 166.2 | 157.5 | 148.7 | 143.5 | 140.0 | 140.0 | 138.2 |
| 20°   | 203.0 | 180.2 | 162.7 | 148.7 | 140.0 | 133.0 | 127.7 | 124.2 | 122.5 | 124.2 |
| 22.5° | 187.2 | 164.5 | 147.0 | 134.7 | 124.2 | 117.2 | 112.0 | 110.2 | 108.5 | 108.5 |
| 25°   | 169.7 | 148.7 | 133.0 | 120.7 | 112.0 | 105.0 | 99.7  | 98.0  | 96.2  | 94.5  |
| 26°   | 164.5 | 143.5 | 127.7 | 115.5 | 106.7 | 99.7  | 96.2  | 92.7  | 91.0  | 91.0  |
| 27.5° | 157.5 | 134.7 | 120.7 | 108.5 | 99.7  | 94.5  | 89.2  | 87.5  | 85.7  | 85.7  |
| 30°   | 141.7 | 122.5 | 108.5 | 98.0  | 91.0  | 84.0  | 80.5  | 78.7  | 77.0  | 77.0  |
| 32.5° | 129.5 | 110.2 | 98.0  | 89.2  | 82.2  | 77.0  | 73.5  | 70.0  | 70.0  | 70.0  |
| 35°   | 117.2 | 99.7  | 89.2  | 80.5  | 73.5  | 68.2  | 66.5  | 64.7  | 63.0  | 63.0  |
| 37.5° | 106.7 | 91.0  | 80.5  | 73.5  | 68.2  | 63.0  | 59.5  | 57.7  | 57.7  | 57.7  |
| 40°   | 96.2  | 84.0  | 73.5  | 66.5  | 61.2  | 57.7  | 54.2  | 52.5  | 52.5  | 52.5  |
| 42.5° | 87.5  | 75.2  | 68.2  | 61.2  | 56.0  | 52.5  | 50.7  | 49.0  | 47.2  | 47.2  |
| 45°   | 80.5  | 70.0  | 61.2  | 56.0  | 52.5  | 49.0  | 45.5  | 43.7  | 43.7  | 43.7  |
| 47.5° | 71.7  | 64.7  | 56.0  | 50.7  | 47.2  | 43.7  | 42.0  | 40.2  | 40.2  | 40.2  |
| 50°   | 66.5  | 59.5  | 52.5  | 47.2  | 43.7  | 40.2  | 38.5  | 36.7  | 36.7  | 36.7  |
| 52.5° | 59.5  | 54.2  | 49.0  | 43.7  | 40.2  | 36.7  | 35.0  | 33.2  | 33.2  | 33.2  |
| 55°   | 54.2  | 49.0  | 43.7  | 40.2  | 36.7  | 33.2  | 31.5  | 29.7  | 29.7  | 29.7  |
| 57.5° | 49.0  | 43.7  | 40.2  | 36.7  | 33.2  | 31.5  | 28.0  | 28.0  | 26.2  | 26.2  |
| 60°   | 43.7  | 38.5  | 35.0  | 33.2  | 29.7  | 28.0  | 24.5  | 22.7  | 22.7  | 22.7  |
| 62.5° | 36.7  | 35.0  | 31.5  | 28.0  | 24.5  | 22.7  | 21.0  | 19.2  | 19.2  | 19.2  |
| 65°   | 31.5  | 29.7  | 26.2  | 22.7  | 21.0  | 19.2  | 17.5  | 15.7  | 15.7  | 15.7  |
| 67.5° | 26.2  | 22.7  | 21.0  | 19.2  | 17.5  | 15.7  | 14.0  | 12.2  | 10.5  | 12.2  |
| 70°   | 19.2  | 17.5  | 15.7  | 14.0  | 12.2  | 10.5  | 8.7   | 8.7   | 7.0   | 7.0   |
| 72.5° | 12.2  | 10.5  | 10.5  | 8.7   | 7.0   | 7.0   | 5.2   | 5.2   | 3.5   | 3.5   |
| 75°   | 7.0   | 7.0   | 5.2   | 5.2   | 3.5   | 3.5   | 1.7   | 1.7   | 1.7   | 1.7   |
| 77.5° | 3.5   | 1.7   | 1.7   | 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)