

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: P1445763

Luminaire Tested: P3ART05R709027DE010 E3LSWW1MW

Issue Date: 5/8/2026

**Test Information**

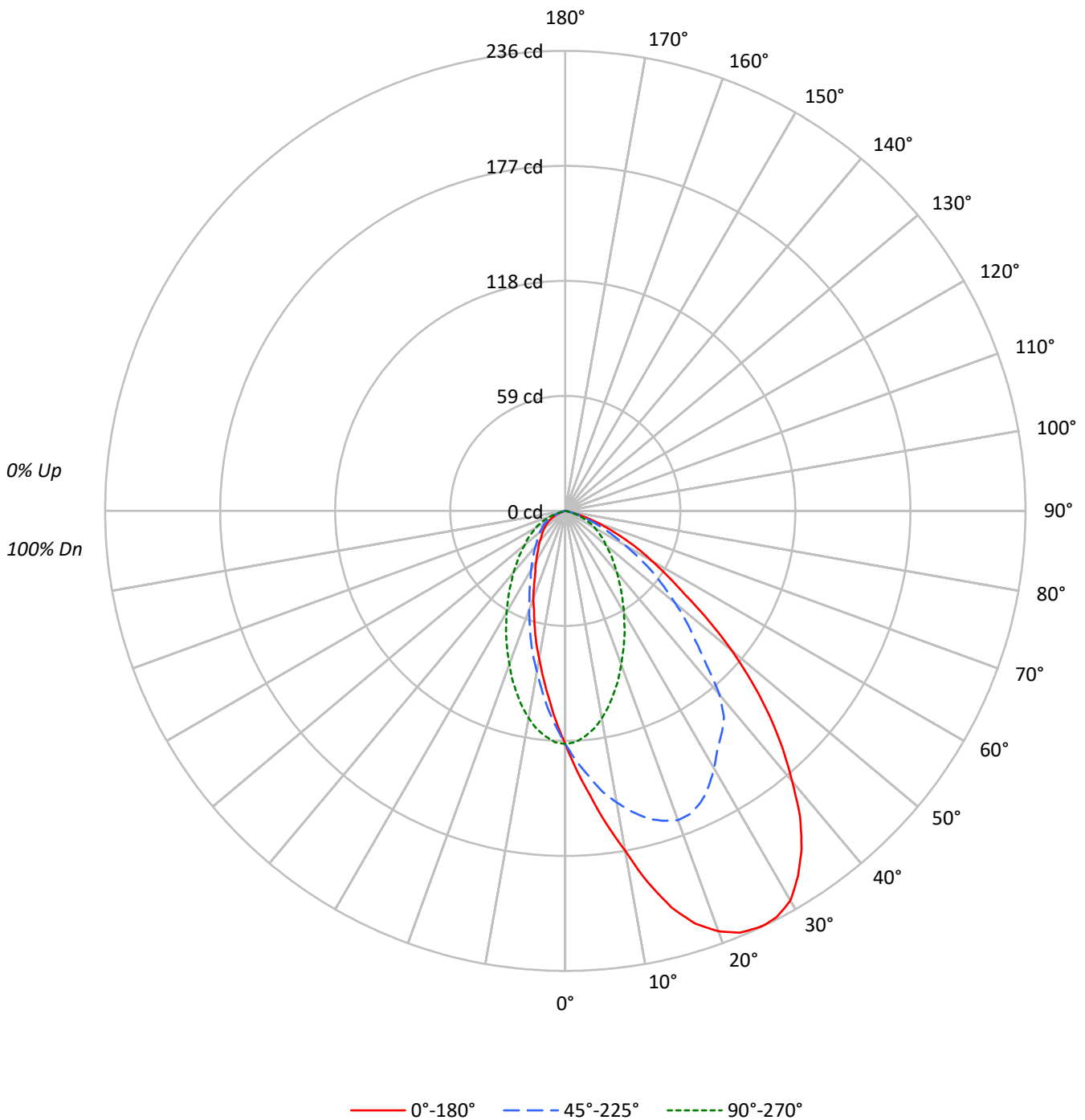
Test Method: LM-79-2019  
Report Number: P1445763  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709027DE010 E3LSWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LSWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 238.1 lumens  
Efficiency: N/A  
Efficacy: 33.1 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): 7.2  
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: P1445763  
CATALOG NUMBER: P3ART05R709027DE010 E3LSWW1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1445763

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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  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 96  | 97  | 95  | 94  | 94  | 92  | 91  | 91  | 91  | 91  | 89  |
| 2   | 103 | 96  | 91  | 86  | 101 | 95  | 89  | 85  | 91  | 87  | 83  | 88  | 85  | 81  | 85  | 82  | 80  | 80  | 80  | 80  | 78  |
| 3   | 95  | 87  | 80  | 74  | 93  | 85  | 79  | 74  | 82  | 77  | 72  | 80  | 75  | 71  | 77  | 73  | 70  | 70  | 70  | 70  | 68  |
| 4   | 88  | 78  | 70  | 65  | 86  | 77  | 70  | 64  | 74  | 68  | 63  | 72  | 67  | 63  | 70  | 66  | 62  | 62  | 62  | 62  | 60  |
| 5   | 82  | 71  | 63  | 57  | 80  | 70  | 62  | 57  | 68  | 61  | 56  | 66  | 60  | 56  | 64  | 59  | 55  | 55  | 55  | 55  | 53  |
| 6   | 76  | 64  | 56  | 51  | 74  | 63  | 56  | 51  | 62  | 55  | 50  | 60  | 54  | 50  | 59  | 53  | 49  | 49  | 49  | 49  | 47  |
| 7   | 71  | 59  | 51  | 45  | 69  | 58  | 51  | 45  | 57  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 44  | 44  | 44  | 44  | 43  |
| 8   | 66  | 54  | 46  | 41  | 65  | 53  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 44  | 40  | 40  | 40  | 40  | 39  |
| 9   | 62  | 50  | 42  | 37  | 61  | 49  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 37  | 37  | 37  | 35  |
| 10  | 59  | 46  | 39  | 34  | 57  | 46  | 39  | 34  | 45  | 38  | 34  | 44  | 38  | 34  | 43  | 38  | 34  | 34  | 34  | 34  | 32  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 45°   | 90°   | 135°  | 180°  |
|-----|-------|-------|-------|-------|-------|
| 0°  | 26204 | 26204 | 26204 | 26204 | 26204 |
| 5°  | 32247 | 30024 | 25556 | 22430 | 21241 |
| 10° | 39389 | 33823 | 24048 | 18637 | 17145 |
| 15° | 47810 | 37094 | 21907 | 15482 | 13803 |
| 20° | 53555 | 39390 | 19532 | 12601 | 11178 |
| 25° | 57003 | 39849 | 17324 | 10452 | 8831  |
| 30° | 58465 | 38639 | 15218 | 8887  | 7520  |
| 35° | 56563 | 37397 | 13385 | 7602  | 6505  |
| 40° | 51783 | 35180 | 11794 | 6756  | 5811  |
| 45° | 45834 | 29305 | 10482 | 6295  | 5241  |
| 50° | 38003 | 25108 | 9211  | 5765  | 4844  |
| 55° | 28635 | 20912 | 8525  | 5429  | 4396  |
| 60° | 22498 | 15700 | 7719  | 5043  | 3859  |
| 65° | 16811 | 11571 | 6641  | 4203  | 3165  |
| 70° | 10835 | 7373  | 4744  | 3013  | 1731  |
| 75° | 4575  | 3982  | 2288  | 1186  | 593   |
| 80° | 884   | 884   | 0     | 0     | 0     |
| 85° | 0     | 0     | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 45834 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 11.3   | 4.8       |
| 10°-20°   | 32.6   | 13.7      |
| 20°-30°   | 47.7   | 20.0      |
| 30°-40°   | 52.0   | 21.8      |
| 40°-50°   | 45.0   | 18.9      |
| 50°-60°   | 30.1   | 12.7      |
| 60°-70°   | 15.6   | 6.5       |
| 70°-80°   | 3.7    | 1.6       |
| 80°-90°   | 0.0    | 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°    | 91.7   | 38.5      |
| 0°-40°    | 143.6  | 60.3      |
| 0°-60°    | 218.8  | 91.9      |
| 0°-90°    | 238.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 238.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 120 | 120 | 120 | 120  | 120  |      |
| 5°  | 146 | 136 | 116 | 102  | 96   | 15   |
| 15° | 211 | 163 | 96  | 68   | 61   | 60   |
| 25° | 236 | 165 | 72  | 43   | 36   | 108  |
| 35° | 211 | 140 | 50  | 28   | 24   | 131  |
| 45° | 148 | 94  | 34  | 20   | 17   | 113  |
| 55° | 75  | 55  | 22  | 14   | 12   | 69   |
| 65° | 32  | 22  | 13  | 8    | 6    | 33   |
| 75° | 5   | 5   | 3   | 1    | 1    | 7    |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |



TEST NUMBER: P1445763

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 119.5 | 119.5 | 119.5 | 119.5 | 119.5 | 119.5 | 119.5 | 119.5 | 119.5 | 119.5 | 119.5 |
| 2.5°  | 133.0 | 132.3 | 132.3 | 131.0 | 129.6 | 128.3 | 126.2 | 124.2 | 122.2 | 120.2 | 118.8 |
| 5°    | 146.5 | 147.2 | 146.5 | 143.8 | 140.4 | 136.4 | 132.3 | 127.6 | 122.9 | 118.8 | 116.1 |
| 7.5°  | 162.0 | 162.0 | 160.0 | 156.6 | 151.9 | 145.1 | 138.4 | 130.3 | 122.9 | 116.1 | 112.7 |
| 10°   | 176.9 | 176.9 | 173.5 | 168.1 | 160.7 | 151.9 | 142.4 | 131.6 | 121.5 | 112.1 | 108.0 |
| 12.5° | 195.1 | 194.4 | 190.4 | 181.6 | 170.8 | 158.0 | 145.1 | 131.6 | 119.5 | 108.0 | 102.6 |
| 15°   | 210.6 | 209.9 | 204.5 | 193.7 | 179.6 | 163.4 | 145.8 | 130.3 | 115.4 | 102.6 | 96.5  |
| 17.5° | 222.1 | 220.7 | 214.7 | 203.2 | 187.0 | 166.7 | 146.5 | 127.6 | 110.7 | 96.5  | 90.5  |
| 20°   | 229.5 | 228.8 | 222.1 | 208.6 | 191.0 | 168.8 | 145.8 | 124.2 | 106.0 | 90.5  | 83.7  |
| 22.5° | 234.2 | 232.9 | 226.1 | 211.3 | 191.0 | 168.1 | 143.1 | 119.5 | 99.9  | 84.4  | 77.6  |
| 25°   | 235.6 | 234.9 | 226.8 | 210.6 | 189.0 | 164.7 | 139.1 | 114.8 | 93.8  | 78.3  | 71.6  |
| 26°   | 235.6 | 234.9 | 226.8 | 209.9 | 187.7 | 162.7 | 137.0 | 112.7 | 91.8  | 75.6  | 69.5  |
| 27.5° | 234.9 | 234.2 | 225.5 | 207.9 | 185.0 | 159.3 | 133.0 | 108.7 | 87.8  | 72.2  | 65.5  |
| 30°   | 230.9 | 229.5 | 220.7 | 203.2 | 178.9 | 152.6 | 126.2 | 102.6 | 81.7  | 66.2  | 60.1  |
| 32.5° | 222.1 | 220.7 | 211.3 | 195.1 | 172.1 | 145.1 | 118.8 | 95.9  | 75.6  | 60.1  | 54.7  |
| 35°   | 211.3 | 209.9 | 200.5 | 185.0 | 162.7 | 139.7 | 110.7 | 88.4  | 68.9  | 55.4  | 50.0  |
| 37.5° | 197.8 | 195.8 | 187.7 | 171.5 | 151.2 | 133.7 | 104.0 | 81.0  | 62.8  | 50.0  | 45.2  |
| 40°   | 180.9 | 180.2 | 172.8 | 158.0 | 137.7 | 122.9 | 99.9  | 81.0  | 57.4  | 45.2  | 41.2  |
| 42.5° | 164.7 | 163.4 | 156.6 | 143.8 | 125.6 | 107.3 | 87.8  | 77.6  | 53.3  | 40.5  | 37.1  |
| 45°   | 147.8 | 146.5 | 140.4 | 129.6 | 112.7 | 94.5  | 81.0  | 66.8  | 45.9  | 37.1  | 33.8  |
| 47.5° | 129.6 | 128.3 | 123.5 | 115.4 | 100.6 | 84.4  | 68.9  | 54.7  | 41.9  | 33.1  | 30.4  |
| 50°   | 111.4 | 112.1 | 108.0 | 99.9  | 88.4  | 73.6  | 59.4  | 45.9  | 35.8  | 29.7  | 27.0  |
| 52.5° | 93.2  | 92.5  | 89.8  | 84.4  | 76.3  | 63.5  | 50.6  | 39.2  | 31.1  | 26.3  | 25.0  |
| 55°   | 74.9  | 75.6  | 74.3  | 70.9  | 64.1  | 54.7  | 42.5  | 33.8  | 27.7  | 23.6  | 22.3  |
| 57.5° | 62.1  | 62.8  | 60.1  | 58.1  | 52.7  | 44.6  | 35.1  | 28.4  | 23.6  | 20.9  | 19.6  |
| 60°   | 51.3  | 52.0  | 50.0  | 47.3  | 43.2  | 35.8  | 28.4  | 23.6  | 20.9  | 18.9  | 17.6  |
| 62.5° | 41.9  | 41.2  | 39.8  | 37.1  | 33.8  | 28.4  | 23.0  | 19.6  | 17.6  | 16.2  | 15.5  |
| 65°   | 32.4  | 32.4  | 31.1  | 29.0  | 26.3  | 22.3  | 18.2  | 16.2  | 14.9  | 13.5  | 12.8  |
| 67.5° | 24.3  | 24.3  | 23.0  | 21.6  | 18.9  | 16.2  | 14.2  | 12.8  | 12.2  | 10.8  | 10.1  |
| 70°   | 16.9  | 16.9  | 16.2  | 15.5  | 13.5  | 11.5  | 10.8  | 9.5   | 8.8   | 8.1   | 7.4   |
| 72.5° | 10.8  | 10.8  | 10.8  | 9.5   | 8.8   | 7.4   | 7.4   | 6.8   | 6.1   | 5.4   | 5.4   |
| 75°   | 5.4   | 6.1   | 5.4   | 5.4   | 4.7   | 4.7   | 4.1   | 4.1   | 3.4   | 3.4   | 2.7   |
| 77.5° | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   |
| 80°   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 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°    | 119.5 | 119.5 | 119.5 | 119.5 | 119.5 | 119.5 | 119.5 | 119.5 | 119.5 | 119.5 |
| 2.5°  | 117.5 | 115.4 | 114.1 | 112.1 | 110.7 | 109.4 | 108.7 | 108.0 | 108.0 | 108.0 |
| 5°    | 114.1 | 110.7 | 107.3 | 104.0 | 101.9 | 99.9  | 97.9  | 97.2  | 96.5  | 96.5  |
| 7.5°  | 110.0 | 104.6 | 99.9  | 95.9  | 92.5  | 90.5  | 88.4  | 87.1  | 86.4  | 86.4  |
| 10°   | 104.6 | 97.9  | 92.5  | 87.1  | 83.7  | 81.0  | 79.7  | 77.6  | 77.6  | 77.0  |
| 12.5° | 98.6  | 90.5  | 84.4  | 79.7  | 76.3  | 72.9  | 70.9  | 69.5  | 68.9  | 68.9  |
| 15°   | 91.8  | 83.7  | 77.0  | 71.6  | 68.2  | 64.8  | 62.8  | 61.4  | 60.8  | 60.8  |
| 17.5° | 85.1  | 76.3  | 69.5  | 64.1  | 60.8  | 57.4  | 55.4  | 54.0  | 54.0  | 53.3  |
| 20°   | 78.3  | 69.5  | 62.8  | 57.4  | 54.0  | 51.3  | 49.3  | 47.9  | 47.3  | 47.9  |
| 22.5° | 72.2  | 63.5  | 56.7  | 52.0  | 47.9  | 45.2  | 43.2  | 42.5  | 41.9  | 41.9  |
| 25°   | 65.5  | 57.4  | 51.3  | 46.6  | 43.2  | 40.5  | 38.5  | 37.8  | 37.1  | 36.5  |
| 26°   | 63.5  | 55.4  | 49.3  | 44.6  | 41.2  | 38.5  | 37.1  | 35.8  | 35.1  | 35.1  |
| 27.5° | 60.8  | 52.0  | 46.6  | 41.9  | 38.5  | 36.5  | 34.4  | 33.8  | 33.1  | 33.1  |
| 30°   | 54.7  | 47.3  | 41.9  | 37.8  | 35.1  | 32.4  | 31.1  | 30.4  | 29.7  | 29.7  |
| 32.5° | 50.0  | 42.5  | 37.8  | 34.4  | 31.7  | 29.7  | 28.4  | 27.0  | 27.0  | 27.0  |
| 35°   | 45.2  | 38.5  | 34.4  | 31.1  | 28.4  | 26.3  | 25.7  | 25.0  | 24.3  | 24.3  |
| 37.5° | 41.2  | 35.1  | 31.1  | 28.4  | 26.3  | 24.3  | 23.0  | 22.3  | 22.3  | 22.3  |
| 40°   | 37.1  | 32.4  | 28.4  | 25.7  | 23.6  | 22.3  | 20.9  | 20.3  | 20.3  | 20.3  |
| 42.5° | 33.8  | 29.0  | 26.3  | 23.6  | 21.6  | 20.3  | 19.6  | 18.9  | 18.2  | 18.2  |
| 45°   | 31.1  | 27.0  | 23.6  | 21.6  | 20.3  | 18.9  | 17.6  | 16.9  | 16.9  | 16.9  |
| 47.5° | 27.7  | 25.0  | 21.6  | 19.6  | 18.2  | 16.9  | 16.2  | 15.5  | 15.5  | 15.5  |
| 50°   | 25.7  | 23.0  | 20.3  | 18.2  | 16.9  | 15.5  | 14.9  | 14.2  | 14.2  | 14.2  |
| 52.5° | 23.0  | 20.9  | 18.9  | 16.9  | 15.5  | 14.2  | 13.5  | 12.8  | 12.8  | 12.8  |
| 55°   | 20.9  | 18.9  | 16.9  | 15.5  | 14.2  | 12.8  | 12.2  | 11.5  | 11.5  | 11.5  |
| 57.5° | 18.9  | 16.9  | 15.5  | 14.2  | 12.8  | 12.2  | 10.8  | 10.8  | 10.1  | 10.1  |
| 60°   | 16.9  | 14.9  | 13.5  | 12.8  | 11.5  | 10.8  | 9.5   | 8.8   | 8.8   | 8.8   |
| 62.5° | 14.2  | 13.5  | 12.2  | 10.8  | 9.5   | 8.8   | 8.1   | 7.4   | 7.4   | 7.4   |
| 65°   | 12.2  | 11.5  | 10.1  | 8.8   | 8.1   | 7.4   | 6.8   | 6.1   | 6.1   | 6.1   |
| 67.5° | 10.1  | 8.8   | 8.1   | 7.4   | 6.8   | 6.1   | 5.4   | 4.7   | 4.1   | 4.7   |
| 70°   | 7.4   | 6.8   | 6.1   | 5.4   | 4.7   | 4.1   | 3.4   | 3.4   | 2.7   | 2.7   |
| 72.5° | 4.7   | 4.1   | 4.1   | 3.4   | 2.7   | 2.7   | 2.0   | 2.0   | 1.4   | 1.4   |
| 75°   | 2.7   | 2.7   | 2.0   | 2.0   | 1.4   | 1.4   | 0.7   | 0.7   | 0.7   | 0.7   |
| 77.5° | 1.4   | 0.7   | 0.7   | 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)