

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: P3ART02R70B2750DE010 E3CLSWW1MMS\_3000K

Issue Date: 5/8/2026

**Test Information**

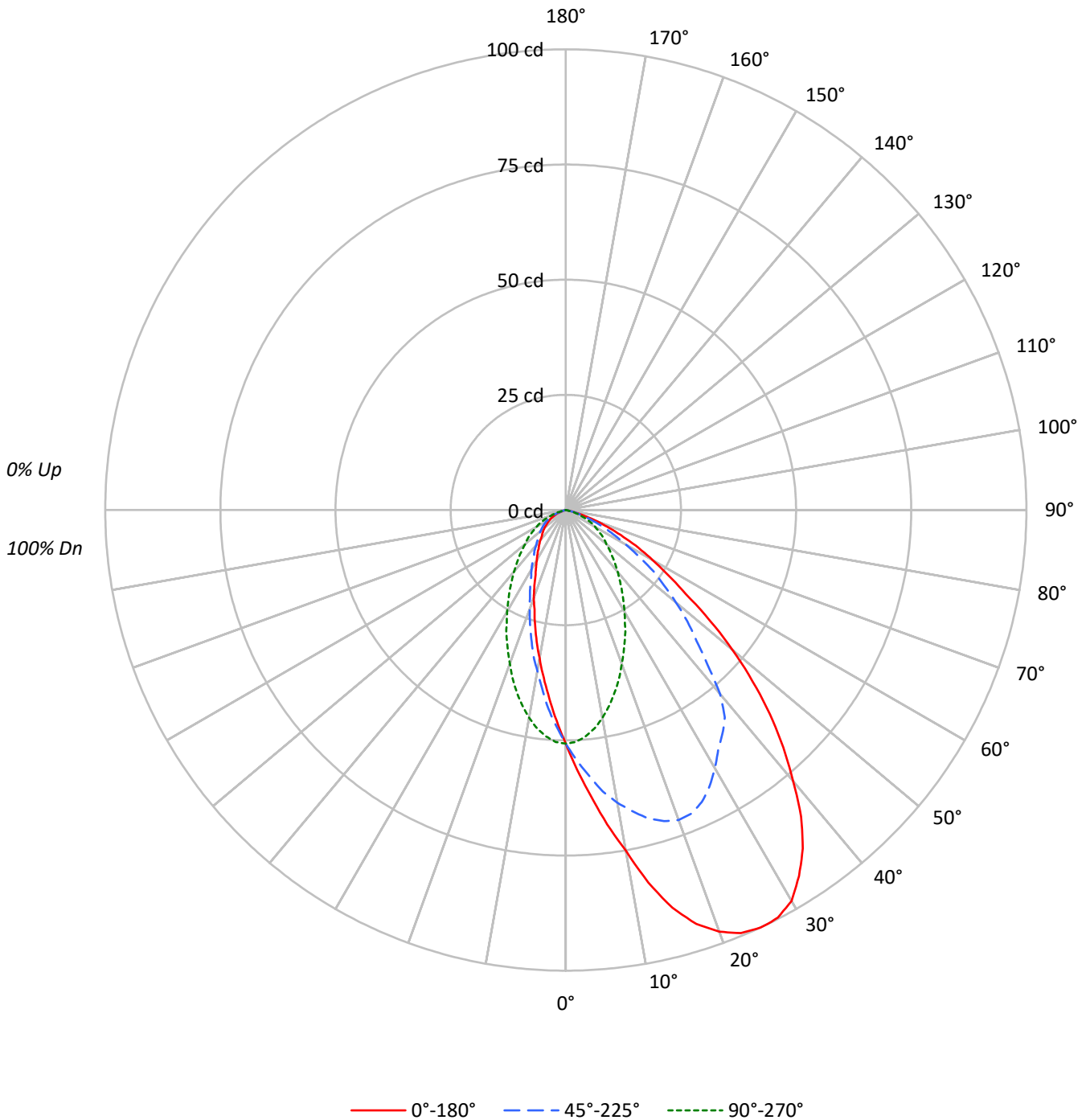
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART02R70B2750DE010 E3CLSWW1MMS\_3000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3CLSWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 101.0 lumens  
Efficiency: N/A  
Efficacy: 34.8 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): 2.9  
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: P3ART02R70B2750DE010 E3CLSWW1MMS\_3000K

### 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  | 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°  | 11118 | 11118 | 11118 | 11118 | 11118 |
| 5°  | 13691 | 12745 | 10852 | 9531  | 9025  |
| 10° | 16722 | 14362 | 10198 | 7905  | 7281  |
| 15° | 20295 | 15732 | 9308  | 6561  | 5857  |
| 20° | 22729 | 16708 | 8284  | 5344  | 4737  |
| 25° | 24195 | 16912 | 7355  | 4428  | 3750  |
| 30° | 24814 | 16382 | 6457  | 3773  | 3190  |
| 35° | 24012 | 15874 | 5675  | 3212  | 2757  |
| 40° | 21984 | 14914 | 5009  | 2863  | 2462  |
| 45° | 19444 | 12435 | 4435  | 2667  | 2233  |
| 50° | 16136 | 10644 | 3923  | 2456  | 2047  |
| 55° | 12157 | 8869  | 3632  | 2294  | 1873  |
| 60° | 9561  | 6666  | 3245  | 2149  | 1623  |
| 65° | 7160  | 4929  | 2802  | 1764  | 1349  |
| 70° | 4616  | 3142  | 2052  | 1282  | 705   |
| 75° | 1949  | 1694  | 932   | 508   | 254   |
| 80° | 379   | 379   | 0     | 0     | 0     |
| 85° | 0     | 0     | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 19444 cd/sqm



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

| Zone            | Lumens       | % Fixture    |
|-----------------|--------------|--------------|
| 0°-10°          | 4.8          | 4.8          |
| 10°-20°         | 13.8         | 13.7         |
| 20°-30°         | 20.2         | 20.0         |
| 30°-40°         | 22.1         | 21.8         |
| 40°-50°         | 19.1         | 18.9         |
| 50°-60°         | 12.8         | 12.7         |
| 60°-70°         | 6.6          | 6.5          |
| 70°-80°         | 1.6          | 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          |
| <b>0°-30°</b>   | <b>38.9</b>  | <b>38.5</b>  |
| <b>0°-40°</b>   | <b>61.0</b>  | <b>60.3</b>  |
| <b>0°-60°</b>   | <b>92.8</b>  | <b>91.9</b>  |
| <b>0°-90°</b>   | <b>101.0</b> | <b>100.0</b> |
| 90°-120°        | 0.0          | 0.0          |
| 90°-150°        | 0.0          | 0.0          |
| <b>90°-180°</b> | <b>0.0</b>   | <b>0.0</b>   |
| <b>0°-180°</b>  | <b>101.0</b> | <b>100.0</b> |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 51  | 51  | 51  | 51   | 51   |      |
| 5°  | 62  | 58  | 49  | 43   | 41   | 6    |
| 15° | 89  | 69  | 41  | 29   | 26   | 25   |
| 25° | 100 | 70  | 30  | 18   | 16   | 46   |
| 35° | 90  | 59  | 21  | 12   | 10   | 56   |
| 45° | 63  | 40  | 14  | 9    | 7    | 48   |
| 55° | 32  | 23  | 10  | 6    | 5    | 29   |
| 65° | 14  | 10  | 5   | 3    | 3    | 14   |
| 75° | 2   | 2   | 1   | 1    | 0    | 3    |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |



TEST NUMBER: P#  
 CATALOG NUMBER: P3ART02R70B2750DE010 E3CLSWW1MMS\_3000K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°   | 15°  | 25°  | 35°  | 45°  | 55°  | 65°  | 75°  | 85°  | 90°  |
|-------|-------|------|------|------|------|------|------|------|------|------|------|
| 0°    | 50.7  | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| 2.5°  | 56.4  | 56.1 | 56.1 | 55.6 | 55.0 | 54.4 | 53.6 | 52.7 | 51.8 | 51.0 | 50.4 |
| 5°    | 62.2  | 62.4 | 62.2 | 61.0 | 59.6 | 57.9 | 56.1 | 54.1 | 52.1 | 50.4 | 49.3 |
| 7.5°  | 68.8  | 68.8 | 67.9 | 66.5 | 64.5 | 61.6 | 58.7 | 55.3 | 52.1 | 49.3 | 47.8 |
| 10°   | 75.1  | 75.1 | 73.6 | 71.3 | 68.2 | 64.5 | 60.4 | 55.9 | 51.6 | 47.6 | 45.8 |
| 12.5° | 82.8  | 82.5 | 80.8 | 77.1 | 72.5 | 67.0 | 61.6 | 55.9 | 50.7 | 45.8 | 43.5 |
| 15°   | 89.4  | 89.1 | 86.8 | 82.2 | 76.2 | 69.3 | 61.9 | 55.3 | 49.0 | 43.5 | 41.0 |
| 17.5° | 94.2  | 93.7 | 91.1 | 86.2 | 79.4 | 70.8 | 62.2 | 54.1 | 47.0 | 41.0 | 38.4 |
| 20°   | 97.4  | 97.1 | 94.2 | 88.5 | 81.1 | 71.6 | 61.9 | 52.7 | 45.0 | 38.4 | 35.5 |
| 22.5° | 99.4  | 98.8 | 96.0 | 89.7 | 81.1 | 71.3 | 60.7 | 50.7 | 42.4 | 35.8 | 32.9 |
| 25°   | 100.0 | 99.7 | 96.3 | 89.4 | 80.2 | 69.9 | 59.0 | 48.7 | 39.8 | 33.2 | 30.4 |
| 26°   | 100.0 | 99.7 | 96.3 | 89.1 | 79.6 | 69.0 | 58.2 | 47.8 | 39.0 | 32.1 | 29.5 |
| 27.5° | 99.7  | 99.4 | 95.7 | 88.2 | 78.5 | 67.6 | 56.4 | 46.1 | 37.2 | 30.7 | 27.8 |
| 30°   | 98.0  | 97.4 | 93.7 | 86.2 | 75.9 | 64.7 | 53.6 | 43.5 | 34.7 | 28.1 | 25.5 |
| 32.5° | 94.2  | 93.7 | 89.7 | 82.8 | 73.0 | 61.6 | 50.4 | 40.7 | 32.1 | 25.5 | 23.2 |
| 35°   | 89.7  | 89.1 | 85.1 | 78.5 | 69.0 | 59.3 | 47.0 | 37.5 | 29.2 | 23.5 | 21.2 |
| 37.5° | 83.9  | 83.1 | 79.6 | 72.8 | 64.2 | 56.7 | 44.1 | 34.4 | 26.6 | 21.2 | 19.2 |
| 40°   | 76.8  | 76.5 | 73.3 | 67.0 | 58.4 | 52.1 | 42.4 | 34.4 | 24.3 | 19.2 | 17.5 |
| 42.5° | 69.9  | 69.3 | 66.5 | 61.0 | 53.3 | 45.5 | 37.2 | 32.9 | 22.6 | 17.2 | 15.8 |
| 45°   | 62.7  | 62.2 | 59.6 | 55.0 | 47.8 | 40.1 | 40.1 | 28.4 | 19.5 | 15.8 | 14.3 |
| 47.5° | 55.0  | 54.4 | 52.4 | 49.0 | 42.7 | 35.8 | 29.2 | 23.2 | 17.8 | 14.0 | 12.9 |
| 50°   | 47.3  | 47.6 | 45.8 | 42.4 | 37.5 | 31.2 | 25.2 | 19.5 | 15.2 | 12.6 | 11.5 |
| 52.5° | 39.5  | 39.2 | 38.1 | 35.8 | 32.4 | 26.9 | 21.5 | 16.6 | 13.2 | 11.2 | 10.6 |
| 55°   | 31.8  | 32.1 | 31.5 | 30.1 | 27.2 | 23.2 | 18.0 | 14.3 | 11.7 | 10.0 | 9.5  |
| 57.5° | 26.4  | 26.6 | 25.5 | 24.6 | 22.3 | 18.9 | 14.9 | 12.0 | 10.0 | 8.9  | 8.3  |
| 60°   | 21.8  | 22.1 | 21.2 | 20.1 | 18.3 | 15.2 | 12.0 | 10.0 | 8.9  | 8.0  | 7.4  |
| 62.5° | 17.8  | 17.5 | 16.9 | 15.8 | 14.3 | 12.0 | 9.7  | 8.3  | 7.4  | 6.9  | 6.6  |
| 65°   | 13.8  | 13.8 | 13.2 | 12.3 | 11.2 | 9.5  | 7.7  | 6.9  | 6.3  | 5.7  | 5.4  |
| 67.5° | 10.3  | 10.3 | 9.7  | 9.2  | 8.0  | 6.9  | 6.0  | 5.4  | 5.2  | 4.6  | 4.3  |
| 70°   | 7.2   | 7.2  | 6.9  | 6.6  | 5.7  | 4.9  | 4.6  | 4.0  | 3.7  | 3.4  | 3.2  |
| 72.5° | 4.6   | 4.6  | 4.6  | 4.0  | 3.7  | 3.2  | 3.2  | 2.9  | 2.6  | 2.3  | 2.3  |
| 75°   | 2.3   | 2.6  | 2.3  | 2.3  | 2.0  | 2.0  | 1.7  | 1.7  | 1.4  | 1.4  | 1.1  |
| 77.5° | 0.9   | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  |
| 80°   | 0.3   | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 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: P3ART02R70B2750DE010 E3CLSWW1MMS\_3000K

**CANDELA DISTRIBUTION (continued):**

|       | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 0°    | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| 2.5°  | 49.8 | 49.0 | 48.4 | 47.6 | 47.0 | 46.4 | 46.1 | 45.8 | 45.8 | 45.8 |
| 5°    | 48.4 | 47.0 | 45.5 | 44.1 | 43.3 | 42.4 | 41.5 | 41.3 | 41.0 | 41.0 |
| 7.5°  | 46.7 | 44.4 | 42.4 | 40.7 | 39.2 | 38.4 | 37.5 | 37.0 | 36.7 | 36.7 |
| 10°   | 44.4 | 41.5 | 39.2 | 37.0 | 35.5 | 34.4 | 33.8 | 32.9 | 32.9 | 32.7 |
| 12.5° | 41.8 | 38.4 | 35.8 | 33.8 | 32.4 | 30.9 | 30.1 | 29.5 | 29.2 | 29.2 |
| 15°   | 39.0 | 35.5 | 32.7 | 30.4 | 28.9 | 27.5 | 26.6 | 26.1 | 25.8 | 25.8 |
| 17.5° | 36.1 | 32.4 | 29.5 | 27.2 | 25.8 | 24.3 | 23.5 | 22.9 | 22.9 | 22.6 |
| 20°   | 33.2 | 29.5 | 26.6 | 24.3 | 22.9 | 21.8 | 20.9 | 20.3 | 20.1 | 20.3 |
| 22.5° | 30.7 | 26.9 | 24.1 | 22.1 | 20.3 | 19.2 | 18.3 | 18.0 | 17.8 | 17.8 |
| 25°   | 27.8 | 24.3 | 21.8 | 19.8 | 18.3 | 17.2 | 16.3 | 16.0 | 15.8 | 15.5 |
| 26°   | 26.9 | 23.5 | 20.9 | 18.9 | 17.5 | 16.3 | 15.8 | 15.2 | 14.9 | 14.9 |
| 27.5° | 25.8 | 22.1 | 19.8 | 17.8 | 16.3 | 15.5 | 14.6 | 14.3 | 14.0 | 14.0 |
| 30°   | 23.2 | 20.1 | 17.8 | 16.0 | 14.9 | 13.8 | 13.2 | 12.9 | 12.6 | 12.6 |
| 32.5° | 21.2 | 18.0 | 16.0 | 14.6 | 13.5 | 12.6 | 12.0 | 11.5 | 11.5 | 11.5 |
| 35°   | 19.2 | 16.3 | 14.6 | 13.2 | 12.0 | 11.2 | 10.9 | 10.6 | 10.3 | 10.3 |
| 37.5° | 17.5 | 14.9 | 13.2 | 12.0 | 11.2 | 10.3 | 9.7  | 9.5  | 9.5  | 9.5  |
| 40°   | 15.8 | 13.8 | 12.0 | 10.9 | 10.0 | 9.5  | 8.9  | 8.6  | 8.6  | 8.6  |
| 42.5° | 14.3 | 12.3 | 11.2 | 10.0 | 9.2  | 8.6  | 8.3  | 8.0  | 7.7  | 7.7  |
| 45°   | 13.2 | 11.5 | 10.0 | 9.2  | 8.6  | 8.0  | 7.4  | 7.2  | 7.2  | 7.2  |
| 47.5° | 11.7 | 10.6 | 9.2  | 8.3  | 7.7  | 7.2  | 6.9  | 6.6  | 6.6  | 6.6  |
| 50°   | 10.9 | 9.7  | 8.6  | 7.7  | 7.2  | 6.6  | 6.3  | 6.0  | 6.0  | 6.0  |
| 52.5° | 9.7  | 8.9  | 8.0  | 7.2  | 6.6  | 6.0  | 5.7  | 5.4  | 5.4  | 5.4  |
| 55°   | 8.9  | 8.0  | 7.2  | 6.6  | 6.0  | 5.4  | 5.2  | 4.9  | 4.9  | 4.9  |
| 57.5° | 8.0  | 7.2  | 6.6  | 6.0  | 5.4  | 5.2  | 4.6  | 4.6  | 4.3  | 4.3  |
| 60°   | 7.2  | 6.3  | 5.7  | 5.4  | 4.9  | 4.6  | 4.0  | 3.7  | 3.7  | 3.7  |
| 62.5° | 6.0  | 5.7  | 5.2  | 4.6  | 4.0  | 3.7  | 3.4  | 3.2  | 3.2  | 3.2  |
| 65°   | 5.2  | 4.9  | 4.3  | 3.7  | 3.4  | 3.2  | 2.9  | 2.6  | 2.6  | 2.6  |
| 67.5° | 4.3  | 3.7  | 3.4  | 3.2  | 2.9  | 2.6  | 2.3  | 2.0  | 1.7  | 2.0  |
| 70°   | 3.2  | 2.9  | 2.6  | 2.3  | 2.0  | 1.7  | 1.4  | 1.4  | 1.1  | 1.1  |
| 72.5° | 2.0  | 1.7  | 1.7  | 1.4  | 1.1  | 1.1  | 0.9  | 0.9  | 0.6  | 0.6  |
| 75°   | 1.1  | 1.1  | 0.9  | 0.9  | 0.6  | 0.6  | 0.3  | 0.3  | 0.3  | 0.3  |
| 77.5° | 0.6  | 0.3  | 0.3  | 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)