

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: P3ART09R70W2N902750DE010 E3LSWW1WMH\_5000K

Issue Date: 5/8/2026

**Test Information**

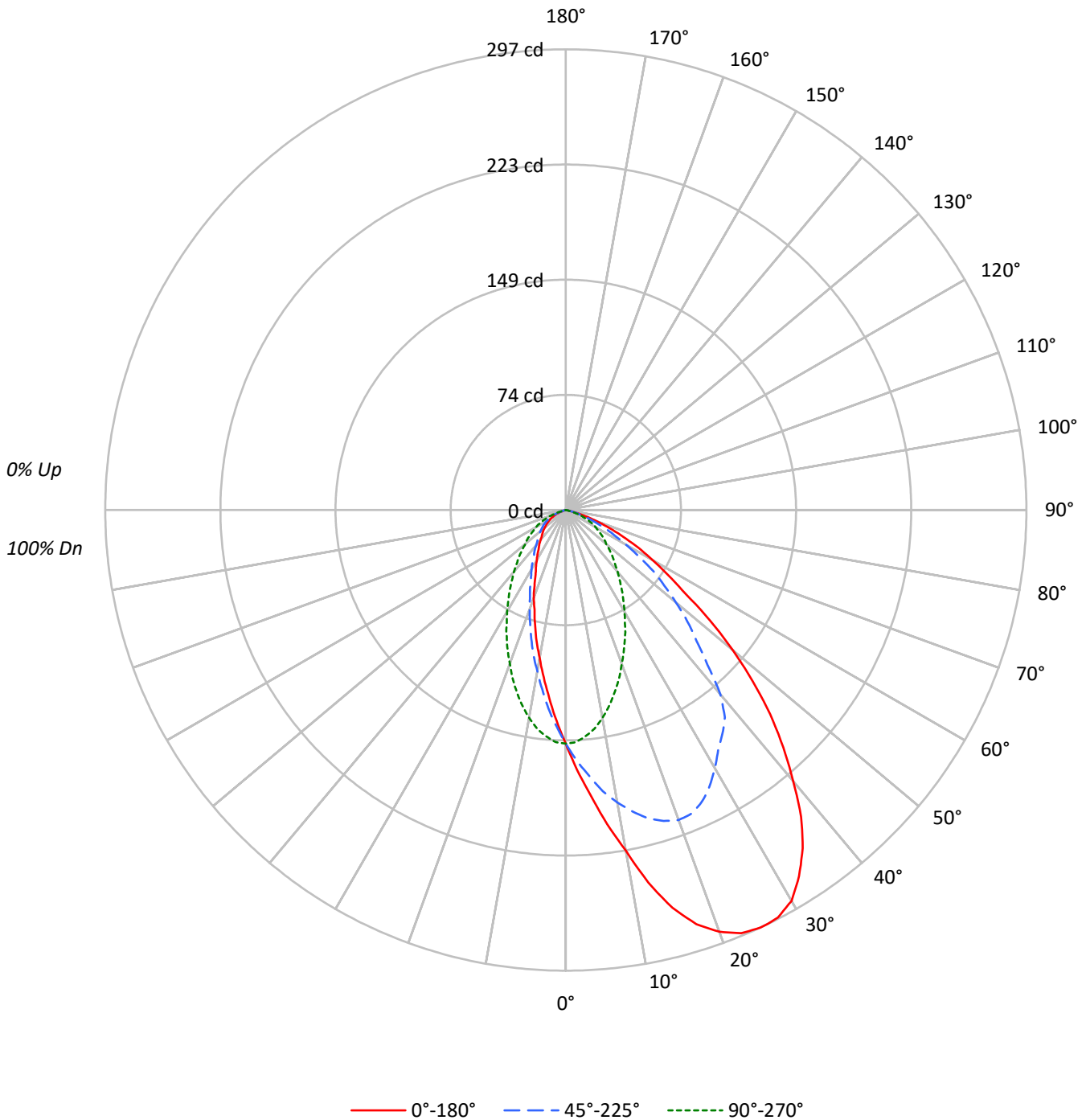
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R70W2N902750DE010 E3LSWW1WMH\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,  
E3LSWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 300.0 lumens  
Efficiency: N/A  
Efficacy: 33.3 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): 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: P3ART09R70W2N902750DE010 E3LSWW1WMH\_5000K

### Luminous Intensity Polar Plot





TEST NUMBER: P#  
 CATALOG NUMBER: P3ART09R70W2N902750DE010 E3LSWW1WMH\_5000K

**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°  | 33024 | 33024 | 33024 | 33024 | 33024 |
| 5°  | 40634 | 37838 | 32225 | 28285 | 26788 |
| 10° | 49632 | 42618 | 30304 | 23491 | 21598 |
| 15° | 60273 | 46743 | 27628 | 19501 | 17389 |
| 20° | 67509 | 49634 | 24619 | 15891 | 14095 |
| 25° | 71859 | 50229 | 21824 | 13186 | 11105 |
| 30° | 73682 | 48691 | 19168 | 11192 | 9470  |
| 35° | 71286 | 47141 | 16865 | 9557  | 8191  |
| 40° | 65265 | 44340 | 14856 | 8530  | 7299  |
| 45° | 57773 | 36934 | 13180 | 7908  | 6605  |
| 50° | 47896 | 31624 | 11599 | 7266  | 6106  |
| 55° | 36090 | 26341 | 10743 | 6843  | 5543  |
| 60° | 28375 | 19779 | 9692  | 6359  | 4868  |
| 65° | 21170 | 14580 | 8406  | 5292  | 3995  |
| 70° | 13656 | 9296  | 6027  | 3847  | 2180  |
| 75° | 5761  | 5083  | 2881  | 1440  | 763   |
| 80° | 1137  | 1137  | 0     | 0     | 0     |
| 85° | 0     | 0     | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 57773 cd/sqm



TEST NUMBER: P#

CATALOG NUMBER: P3ART09R70W2N902750DE010 E3LSWW1WMH\_5000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 14.3   | 4.8       |
| 10°-20°   | 41.1   | 13.7      |
| 20°-30°   | 60.1   | 20.0      |
| 30°-40°   | 65.5   | 21.8      |
| 40°-50°   | 56.7   | 18.9      |
| 50°-60°   | 38.0   | 12.7      |
| 60°-70°   | 19.6   | 6.5       |
| 70°-80°   | 4.7    | 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°    | 115.5  | 38.5      |
| 0°-40°    | 181.0  | 60.3      |
| 0°-60°    | 275.7  | 91.9      |
| 0°-90°    | 300.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 300.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 151 | 151 | 151 | 151  | 151  |      |
| 5°  | 185 | 172 | 146 | 128  | 122  | 19   |
| 15° | 266 | 206 | 122 | 86   | 77   | 75   |
| 25° | 297 | 208 | 90  | 54   | 46   | 136  |
| 35° | 266 | 176 | 63  | 36   | 31   | 165  |
| 45° | 186 | 119 | 42  | 26   | 21   | 143  |
| 55° | 94  | 69  | 28  | 18   | 14   | 87   |
| 65° | 41  | 28  | 16  | 10   | 8    | 41   |
| 75° | 7   | 6   | 3   | 2    | 1    | 9    |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |



TEST NUMBER: P#  
 CATALOG NUMBER: P3ART09R70W2N902750DE010 E3LSWW1WMH\_5000K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 |
| 2.5°  | 167.6 | 166.8 | 166.8 | 165.1 | 163.4 | 161.7 | 159.1 | 156.6 | 154.0 | 151.5 | 149.8 |
| 5°    | 184.6 | 185.5 | 184.6 | 181.2 | 177.0 | 171.9 | 166.8 | 160.8 | 154.9 | 149.8 | 146.4 |
| 7.5°  | 204.2 | 204.2 | 201.7 | 197.4 | 191.4 | 182.9 | 174.4 | 164.2 | 154.9 | 146.4 | 142.1 |
| 10°   | 222.9 | 222.9 | 218.7 | 211.9 | 202.5 | 191.4 | 179.5 | 165.9 | 153.2 | 141.2 | 136.1 |
| 12.5° | 245.9 | 245.1 | 239.9 | 228.9 | 215.3 | 199.1 | 182.9 | 165.9 | 150.6 | 136.1 | 129.3 |
| 15°   | 265.5 | 264.6 | 257.8 | 244.2 | 226.3 | 205.9 | 183.8 | 164.2 | 145.5 | 129.3 | 121.7 |
| 17.5° | 279.9 | 278.2 | 270.6 | 256.1 | 235.7 | 210.2 | 184.6 | 160.8 | 139.5 | 121.7 | 114.0 |
| 20°   | 289.3 | 288.4 | 279.9 | 262.9 | 240.8 | 212.7 | 183.8 | 156.6 | 133.6 | 114.0 | 105.5 |
| 22.5° | 295.3 | 293.6 | 285.0 | 266.3 | 240.8 | 211.9 | 180.4 | 150.6 | 125.9 | 106.4 | 97.9  |
| 25°   | 297.0 | 296.1 | 285.9 | 265.5 | 238.2 | 207.6 | 175.3 | 144.6 | 118.3 | 98.7  | 90.2  |
| 26°   | 297.0 | 296.1 | 285.9 | 264.6 | 236.5 | 205.1 | 172.7 | 142.1 | 115.7 | 95.3  | 87.6  |
| 27.5° | 296.1 | 295.3 | 284.2 | 262.1 | 233.1 | 200.8 | 167.6 | 137.0 | 110.6 | 91.0  | 82.5  |
| 30°   | 291.0 | 289.3 | 278.2 | 256.1 | 225.5 | 192.3 | 159.1 | 129.3 | 103.0 | 83.4  | 75.7  |
| 32.5° | 279.9 | 278.2 | 266.3 | 245.9 | 217.0 | 182.9 | 149.8 | 120.8 | 95.3  | 75.7  | 68.9  |
| 35°   | 266.3 | 264.6 | 252.7 | 233.1 | 205.1 | 176.1 | 139.5 | 111.5 | 86.8  | 69.8  | 63.0  |
| 37.5° | 249.3 | 246.8 | 236.5 | 216.1 | 190.6 | 168.5 | 131.0 | 102.1 | 79.1  | 63.0  | 57.0  |
| 40°   | 228.0 | 227.2 | 217.8 | 199.1 | 173.6 | 154.9 | 125.9 | 102.1 | 72.3  | 57.0  | 51.9  |
| 42.5° | 207.6 | 205.9 | 197.4 | 181.2 | 158.3 | 135.3 | 110.6 | 97.9  | 67.2  | 51.1  | 46.8  |
| 45°   | 186.3 | 184.6 | 177.0 | 163.4 | 142.1 | 119.1 | 119.1 | 84.2  | 57.9  | 46.8  | 42.5  |
| 47.5° | 163.4 | 161.7 | 155.7 | 145.5 | 126.8 | 106.4 | 86.8  | 68.9  | 52.8  | 41.7  | 38.3  |
| 50°   | 140.4 | 141.2 | 136.1 | 125.9 | 111.5 | 92.7  | 74.9  | 57.9  | 45.1  | 37.4  | 34.0  |
| 52.5° | 117.4 | 116.6 | 113.2 | 106.4 | 96.1  | 80.0  | 63.8  | 49.4  | 39.1  | 33.2  | 31.5  |
| 55°   | 94.4  | 95.3  | 93.6  | 89.3  | 80.8  | 68.9  | 53.6  | 42.5  | 34.9  | 29.8  | 28.1  |
| 57.5° | 78.3  | 79.1  | 75.7  | 73.2  | 66.4  | 56.2  | 44.2  | 35.7  | 29.8  | 26.4  | 24.7  |
| 60°   | 64.7  | 65.5  | 63.0  | 59.6  | 54.5  | 45.1  | 35.7  | 29.8  | 26.4  | 23.8  | 22.1  |
| 62.5° | 52.8  | 51.9  | 50.2  | 46.8  | 42.5  | 35.7  | 28.9  | 24.7  | 22.1  | 20.4  | 19.6  |
| 65°   | 40.8  | 40.8  | 39.1  | 36.6  | 33.2  | 28.1  | 23.0  | 20.4  | 18.7  | 17.0  | 16.2  |
| 67.5° | 30.6  | 30.6  | 28.9  | 27.2  | 23.8  | 20.4  | 17.9  | 16.2  | 15.3  | 13.6  | 12.8  |
| 70°   | 21.3  | 21.3  | 20.4  | 19.6  | 17.0  | 14.5  | 13.6  | 11.9  | 11.1  | 10.2  | 9.4   |
| 72.5° | 13.6  | 13.6  | 13.6  | 11.9  | 11.1  | 9.4   | 9.4   | 8.5   | 7.7   | 6.8   | 6.8   |
| 75°   | 6.8   | 7.7   | 6.8   | 6.8   | 6.0   | 6.0   | 5.1   | 5.1   | 4.3   | 4.3   | 3.4   |
| 77.5° | 2.6   | 2.6   | 2.6   | 2.6   | 2.6   | 2.6   | 1.7   | 1.7   | 1.7   | 1.7   | 1.7   |
| 80°   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 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#  
 CATALOG NUMBER: P3ART09R70W2N902750DE010 E3LSWW1WMH\_5000K

**CANDELA DISTRIBUTION (continued):**

|       | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 |
| 2.5°  | 148.1 | 145.5 | 143.8 | 141.2 | 139.5 | 137.8 | 137.0 | 136.1 | 136.1 | 136.1 |
| 5°    | 143.8 | 139.5 | 135.3 | 131.0 | 128.5 | 125.9 | 123.4 | 122.5 | 121.7 | 121.7 |
| 7.5°  | 138.7 | 131.9 | 125.9 | 120.8 | 116.6 | 114.0 | 111.5 | 109.8 | 108.9 | 108.9 |
| 10°   | 131.9 | 123.4 | 116.6 | 109.8 | 105.5 | 102.1 | 100.4 | 97.9  | 97.9  | 97.0  |
| 12.5° | 124.2 | 114.0 | 106.4 | 100.4 | 96.1  | 91.9  | 89.3  | 87.6  | 86.8  | 86.8  |
| 15°   | 115.7 | 105.5 | 97.0  | 90.2  | 85.9  | 81.7  | 79.1  | 77.4  | 76.6  | 76.6  |
| 17.5° | 107.2 | 96.1  | 87.6  | 80.8  | 76.6  | 72.3  | 69.8  | 68.1  | 68.1  | 67.2  |
| 20°   | 98.7  | 87.6  | 79.1  | 72.3  | 68.1  | 64.7  | 62.1  | 60.4  | 59.6  | 60.4  |
| 22.5° | 91.0  | 80.0  | 71.5  | 65.5  | 60.4  | 57.0  | 54.5  | 53.6  | 52.8  | 52.8  |
| 25°   | 82.5  | 72.3  | 64.7  | 58.7  | 54.5  | 51.1  | 48.5  | 47.6  | 46.8  | 45.9  |
| 26°   | 80.0  | 69.8  | 62.1  | 56.2  | 51.9  | 48.5  | 46.8  | 45.1  | 44.2  | 44.2  |
| 27.5° | 76.6  | 65.5  | 58.7  | 52.8  | 48.5  | 45.9  | 43.4  | 42.5  | 41.7  | 41.7  |
| 30°   | 68.9  | 59.6  | 52.8  | 47.6  | 44.2  | 40.8  | 39.1  | 38.3  | 37.4  | 37.4  |
| 32.5° | 63.0  | 53.6  | 47.6  | 43.4  | 40.0  | 37.4  | 35.7  | 34.0  | 34.0  | 34.0  |
| 35°   | 57.0  | 48.5  | 43.4  | 39.1  | 35.7  | 33.2  | 32.3  | 31.5  | 30.6  | 30.6  |
| 37.5° | 51.9  | 44.2  | 39.1  | 35.7  | 33.2  | 30.6  | 28.9  | 28.1  | 28.1  | 28.1  |
| 40°   | 46.8  | 40.8  | 35.7  | 32.3  | 29.8  | 28.1  | 26.4  | 25.5  | 25.5  | 25.5  |
| 42.5° | 42.5  | 36.6  | 33.2  | 29.8  | 27.2  | 25.5  | 24.7  | 23.8  | 23.0  | 23.0  |
| 45°   | 39.1  | 34.0  | 29.8  | 27.2  | 25.5  | 23.8  | 22.1  | 21.3  | 21.3  | 21.3  |
| 47.5° | 34.9  | 31.5  | 27.2  | 24.7  | 23.0  | 21.3  | 20.4  | 19.6  | 19.6  | 19.6  |
| 50°   | 32.3  | 28.9  | 25.5  | 23.0  | 21.3  | 19.6  | 18.7  | 17.9  | 17.9  | 17.9  |
| 52.5° | 28.9  | 26.4  | 23.8  | 21.3  | 19.6  | 17.9  | 17.0  | 16.2  | 16.2  | 16.2  |
| 55°   | 26.4  | 23.8  | 21.3  | 19.6  | 17.9  | 16.2  | 15.3  | 14.5  | 14.5  | 14.5  |
| 57.5° | 23.8  | 21.3  | 19.6  | 17.9  | 16.2  | 15.3  | 13.6  | 13.6  | 12.8  | 12.8  |
| 60°   | 21.3  | 18.7  | 17.0  | 16.2  | 14.5  | 13.6  | 11.9  | 11.1  | 11.1  | 11.1  |
| 62.5° | 17.9  | 17.0  | 15.3  | 13.6  | 11.9  | 11.1  | 10.2  | 9.4   | 9.4   | 9.4   |
| 65°   | 15.3  | 14.5  | 12.8  | 11.1  | 10.2  | 9.4   | 8.5   | 7.7   | 7.7   | 7.7   |
| 67.5° | 12.8  | 11.1  | 10.2  | 9.4   | 8.5   | 7.7   | 6.8   | 6.0   | 5.1   | 6.0   |
| 70°   | 9.4   | 8.5   | 7.7   | 6.8   | 6.0   | 5.1   | 4.3   | 4.3   | 3.4   | 3.4   |
| 72.5° | 6.0   | 5.1   | 5.1   | 4.3   | 3.4   | 3.4   | 2.6   | 2.6   | 1.7   | 1.7   |
| 75°   | 3.4   | 3.4   | 2.6   | 2.6   | 1.7   | 1.7   | 0.9   | 0.9   | 0.9   | 0.9   |
| 77.5° | 1.7   | 0.9   | 0.9   | 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)