

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: P1299101

Luminaire Tested: P3AS13R70W2N902765DE010 E3LSWW1H\_6500K

Issue Date: 1/29/2026

**Test Information**

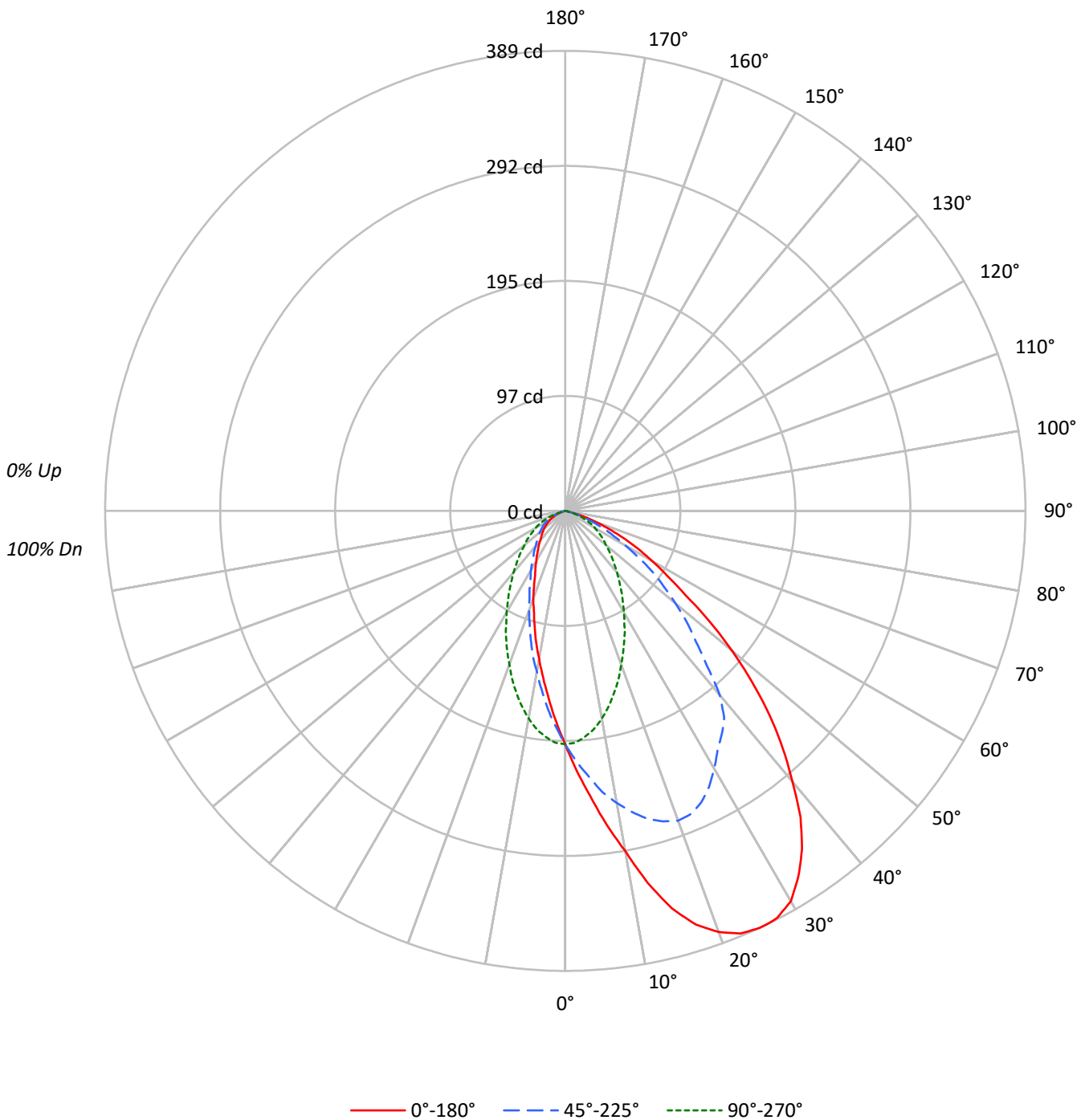
Test Method: LM-79-2019  
Report Number: P1299101  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS13R70W2N902765DE010 E3LSWW1H\_6500K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 6500K CCT AND, 90CRI ,  
E3LSWW1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 393.0 lumens  
Efficiency: N/A  
Efficacy: 32.0 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): 12.3  
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: P1299101  
CATALOG NUMBER: P3AS13R70W2N902765DE010 E3LSWW1H\_6500K

### Luminous Intensity Polar Plot





TEST NUMBER: P1299101  
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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |
| RW  | 70  | 50  | 30  | 10  | 70  | 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 |
| 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  | 89  | 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°  | 43264 | 43264 | 43264 | 43264 | 43264 |
| 5°  | 53247 | 49571 | 42197 | 37046 | 35087 |
| 10° | 65018 | 55844 | 39701 | 30772 | 28301 |
| 15° | 78956 | 61226 | 36186 | 25562 | 22770 |
| 20° | 88441 | 65036 | 32249 | 20815 | 18458 |
| 25° | 94118 | 65810 | 28598 | 17251 | 14565 |
| 30° | 96521 | 63782 | 25118 | 14686 | 12407 |
| 35° | 93398 | 61757 | 22085 | 12528 | 10734 |
| 40° | 85503 | 58080 | 19465 | 11164 | 9561  |
| 45° | 75698 | 48408 | 17273 | 10358 | 8652  |
| 50° | 62736 | 41449 | 15215 | 9518  | 7983  |
| 55° | 47291 | 34522 | 14069 | 8946  | 7226  |
| 60° | 37146 | 25919 | 12718 | 8289  | 6359  |
| 65° | 27759 | 19094 | 11000 | 6953  | 5189  |
| 70° | 17888 | 12117 | 7886  | 5001  | 2885  |
| 75° | 7540  | 6608  | 3813  | 1864  | 932   |
| 80° | 1389  | 1389  | 0     | 0     | 0     |
| 85° | 0     | 0     | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 75698 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 18.7   | 4.8       |
| 10°-20°   | 53.9   | 13.7      |
| 20°-30°   | 78.8   | 20.0      |
| 30°-40°   | 85.8   | 21.8      |
| 40°-50°   | 74.3   | 18.9      |
| 50°-60°   | 49.7   | 12.7      |
| 60°-70°   | 25.7   | 6.5       |
| 70°-80°   | 6.1    | 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°    | 151.3  | 38.5      |
| 0°-40°    | 237.2  | 60.3      |
| 0°-60°    | 361.2  | 91.9      |
| 0°-90°    | 393.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 393.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 197 | 197 | 197 | 197  | 197  |      |
| 5°  | 242 | 225 | 192 | 168  | 159  | 25   |
| 15° | 348 | 270 | 159 | 113  | 100  | 99   |
| 25° | 389 | 272 | 118 | 71   | 60   | 179  |
| 35° | 349 | 231 | 82  | 47   | 40   | 216  |
| 45° | 244 | 156 | 56  | 33   | 28   | 187  |
| 55° | 124 | 90  | 37  | 23   | 19   | 114  |
| 65° | 54  | 37  | 21  | 13   | 10   | 54   |
| 75° | 9   | 8   | 4   | 2    | 1    | 12   |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 |
| 2.5°  | 219.6 | 218.5 | 218.5 | 216.2 | 214.0 | 211.8 | 208.4 | 205.1 | 201.8 | 198.4 | 196.2 |
| 5°    | 241.9 | 243.0 | 241.9 | 237.4 | 231.8 | 225.2 | 218.5 | 210.7 | 202.9 | 196.2 | 191.7 |
| 7.5°  | 267.5 | 267.5 | 264.2 | 258.6 | 250.8 | 239.6 | 228.5 | 215.1 | 202.9 | 191.7 | 186.1 |
| 10°   | 292.0 | 292.0 | 286.5 | 277.5 | 265.3 | 250.8 | 235.2 | 217.4 | 200.6 | 185.0 | 178.3 |
| 12.5° | 322.1 | 321.0 | 314.3 | 299.8 | 282.0 | 260.8 | 239.6 | 217.4 | 197.3 | 178.3 | 169.4 |
| 15°   | 347.8 | 346.7 | 337.7 | 319.9 | 296.5 | 269.7 | 240.8 | 215.1 | 190.6 | 169.4 | 159.4 |
| 17.5° | 366.7 | 364.5 | 354.5 | 335.5 | 308.8 | 275.3 | 241.9 | 210.7 | 182.8 | 159.4 | 149.4 |
| 20°   | 379.0 | 377.9 | 366.7 | 344.4 | 315.4 | 278.7 | 240.8 | 205.1 | 175.0 | 149.4 | 138.2 |
| 22.5° | 386.8 | 384.6 | 373.4 | 348.9 | 315.4 | 277.5 | 236.3 | 197.3 | 165.0 | 139.3 | 128.2 |
| 25°   | 389.0 | 387.9 | 374.5 | 347.8 | 312.1 | 272.0 | 229.6 | 189.5 | 154.9 | 129.3 | 118.2 |
| 26°   | 389.0 | 387.9 | 374.5 | 346.7 | 309.9 | 268.6 | 226.3 | 186.1 | 151.6 | 124.8 | 114.8 |
| 27.5° | 387.9 | 386.8 | 372.3 | 343.3 | 305.4 | 263.1 | 219.6 | 179.5 | 144.9 | 119.3 | 108.1 |
| 30°   | 381.2 | 379.0 | 364.5 | 335.5 | 295.4 | 251.9 | 208.4 | 169.4 | 134.9 | 109.2 | 99.2  |
| 32.5° | 366.7 | 364.5 | 348.9 | 322.1 | 284.2 | 239.6 | 196.2 | 158.3 | 124.8 | 99.2  | 90.3  |
| 35°   | 348.9 | 346.7 | 331.1 | 305.4 | 268.6 | 230.7 | 182.8 | 146.0 | 113.7 | 91.4  | 82.5  |
| 37.5° | 326.6 | 323.2 | 309.9 | 283.1 | 249.7 | 220.7 | 171.7 | 133.8 | 103.7 | 82.5  | 74.7  |
| 40°   | 298.7 | 297.6 | 285.4 | 260.8 | 227.4 | 202.9 | 165.0 | 133.8 | 94.7  | 74.7  | 68.0  |
| 42.5° | 272.0 | 269.7 | 258.6 | 237.4 | 207.3 | 177.2 | 144.9 | 128.2 | 88.1  | 66.9  | 61.3  |
| 45°   | 244.1 | 241.9 | 231.8 | 214.0 | 186.1 | 156.1 | 128.2 | 110.4 | 75.8  | 61.3  | 55.7  |
| 47.5° | 214.0 | 211.8 | 204.0 | 190.6 | 166.1 | 139.3 | 113.7 | 90.3  | 69.1  | 54.6  | 50.2  |
| 50°   | 183.9 | 185.0 | 178.3 | 165.0 | 146.0 | 121.5 | 98.1  | 75.8  | 59.1  | 49.0  | 44.6  |
| 52.5° | 153.8 | 152.7 | 148.2 | 139.3 | 126.0 | 104.8 | 83.6  | 64.6  | 51.3  | 43.5  | 41.2  |
| 55°   | 123.7 | 124.8 | 122.6 | 117.0 | 105.9 | 90.3  | 70.2  | 55.7  | 45.7  | 39.0  | 36.8  |
| 57.5° | 102.5 | 103.7 | 99.2  | 95.9  | 86.9  | 73.6  | 58.0  | 46.8  | 39.0  | 34.6  | 32.3  |
| 60°   | 84.7  | 85.8  | 82.5  | 78.0  | 71.3  | 59.1  | 46.8  | 39.0  | 34.6  | 31.2  | 29.0  |
| 62.5° | 69.1  | 68.0  | 65.8  | 61.3  | 55.7  | 46.8  | 37.9  | 32.3  | 29.0  | 26.8  | 25.6  |
| 65°   | 53.5  | 53.5  | 51.3  | 47.9  | 43.5  | 36.8  | 30.1  | 26.8  | 24.5  | 22.3  | 21.2  |
| 67.5° | 40.1  | 40.1  | 37.9  | 35.7  | 31.2  | 26.8  | 23.4  | 21.2  | 20.1  | 17.8  | 16.7  |
| 70°   | 27.9  | 27.9  | 26.8  | 25.6  | 22.3  | 18.9  | 17.8  | 15.6  | 14.5  | 13.4  | 12.3  |
| 72.5° | 17.8  | 17.8  | 17.8  | 15.6  | 14.5  | 12.3  | 12.3  | 11.1  | 10.0  | 8.9   | 8.9   |
| 75°   | 8.9   | 10.0  | 8.9   | 8.9   | 7.8   | 7.8   | 6.7   | 6.7   | 5.6   | 5.6   | 4.5   |
| 77.5° | 3.3   | 3.3   | 3.3   | 3.3   | 3.3   | 3.3   | 2.2   | 2.2   | 2.2   | 2.2   | 2.2   |
| 80°   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 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°    | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 |
| 2.5°  | 193.9 | 190.6 | 188.4 | 185.0 | 182.8 | 180.6 | 179.5 | 178.3 | 178.3 | 178.3 |
| 5°    | 188.4 | 182.8 | 177.2 | 171.7 | 168.3 | 165.0 | 161.6 | 160.5 | 159.4 | 159.4 |
| 7.5°  | 181.7 | 172.8 | 165.0 | 158.3 | 152.7 | 149.4 | 146.0 | 143.8 | 142.7 | 142.7 |
| 10°   | 172.8 | 161.6 | 152.7 | 143.8 | 138.2 | 133.8 | 131.5 | 128.2 | 128.2 | 127.1 |
| 12.5° | 162.7 | 149.4 | 139.3 | 131.5 | 126.0 | 120.4 | 117.0 | 114.8 | 113.7 | 113.7 |
| 15°   | 151.6 | 138.2 | 127.1 | 118.2 | 112.6 | 107.0 | 103.7 | 101.4 | 100.3 | 100.3 |
| 17.5° | 140.4 | 126.0 | 114.8 | 105.9 | 100.3 | 94.7  | 91.4  | 89.2  | 89.2  | 88.1  |
| 20°   | 129.3 | 114.8 | 103.7 | 94.7  | 89.2  | 84.7  | 81.4  | 79.1  | 78.0  | 79.1  |
| 22.5° | 119.3 | 104.8 | 93.6  | 85.8  | 79.1  | 74.7  | 71.3  | 70.2  | 69.1  | 69.1  |
| 25°   | 108.1 | 94.7  | 84.7  | 76.9  | 71.3  | 66.9  | 63.5  | 62.4  | 61.3  | 60.2  |
| 26°   | 104.8 | 91.4  | 81.4  | 73.6  | 68.0  | 63.5  | 61.3  | 59.1  | 58.0  | 58.0  |
| 27.5° | 100.3 | 85.8  | 76.9  | 69.1  | 63.5  | 60.2  | 56.8  | 55.7  | 54.6  | 54.6  |
| 30°   | 90.3  | 78.0  | 69.1  | 62.4  | 58.0  | 53.5  | 51.3  | 50.2  | 49.0  | 49.0  |
| 32.5° | 82.5  | 70.2  | 62.4  | 56.8  | 52.4  | 49.0  | 46.8  | 44.6  | 44.6  | 44.6  |
| 35°   | 74.7  | 63.5  | 56.8  | 51.3  | 46.8  | 43.5  | 42.4  | 41.2  | 40.1  | 40.1  |
| 37.5° | 68.0  | 58.0  | 51.3  | 46.8  | 43.5  | 40.1  | 37.9  | 36.8  | 36.8  | 36.8  |
| 40°   | 61.3  | 53.5  | 46.8  | 42.4  | 39.0  | 36.8  | 34.6  | 33.4  | 33.4  | 33.4  |
| 42.5° | 55.7  | 47.9  | 43.5  | 39.0  | 35.7  | 33.4  | 32.3  | 31.2  | 30.1  | 30.1  |
| 45°   | 51.3  | 44.6  | 39.0  | 35.7  | 33.4  | 31.2  | 29.0  | 27.9  | 27.9  | 27.9  |
| 47.5° | 45.7  | 41.2  | 35.7  | 32.3  | 30.1  | 27.9  | 26.8  | 25.6  | 25.6  | 25.6  |
| 50°   | 42.4  | 37.9  | 33.4  | 30.1  | 27.9  | 25.6  | 24.5  | 23.4  | 23.4  | 23.4  |
| 52.5° | 37.9  | 34.6  | 31.2  | 27.9  | 25.6  | 23.4  | 22.3  | 21.2  | 21.2  | 21.2  |
| 55°   | 34.6  | 31.2  | 27.9  | 25.6  | 23.4  | 21.2  | 20.1  | 18.9  | 18.9  | 18.9  |
| 57.5° | 31.2  | 27.9  | 25.6  | 23.4  | 21.2  | 20.1  | 17.8  | 17.8  | 16.7  | 16.7  |
| 60°   | 27.9  | 24.5  | 22.3  | 21.2  | 18.9  | 17.8  | 15.6  | 14.5  | 14.5  | 14.5  |
| 62.5° | 23.4  | 22.3  | 20.1  | 17.8  | 15.6  | 14.5  | 13.4  | 12.3  | 12.3  | 12.3  |
| 65°   | 20.1  | 18.9  | 16.7  | 14.5  | 13.4  | 12.3  | 11.1  | 10.0  | 10.0  | 10.0  |
| 67.5° | 16.7  | 14.5  | 13.4  | 12.3  | 11.1  | 10.0  | 8.9   | 7.8   | 6.7   | 7.8   |
| 70°   | 12.3  | 11.1  | 10.0  | 8.9   | 7.8   | 6.7   | 5.6   | 5.6   | 4.5   | 4.5   |
| 72.5° | 7.8   | 6.7   | 6.7   | 5.6   | 4.5   | 4.5   | 3.3   | 3.3   | 2.2   | 2.2   |
| 75°   | 4.5   | 4.5   | 3.3   | 3.3   | 2.2   | 2.2   | 1.1   | 1.1   | 1.1   | 1.1   |
| 77.5° | 2.2   | 1.1   | 1.1   | 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)