

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: P1310165

Luminaire Tested: P3SQAS09R709040DE010 E3SQCLSWW1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310165  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R709040DE010 E3SQCLSWW1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3SQCLSWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

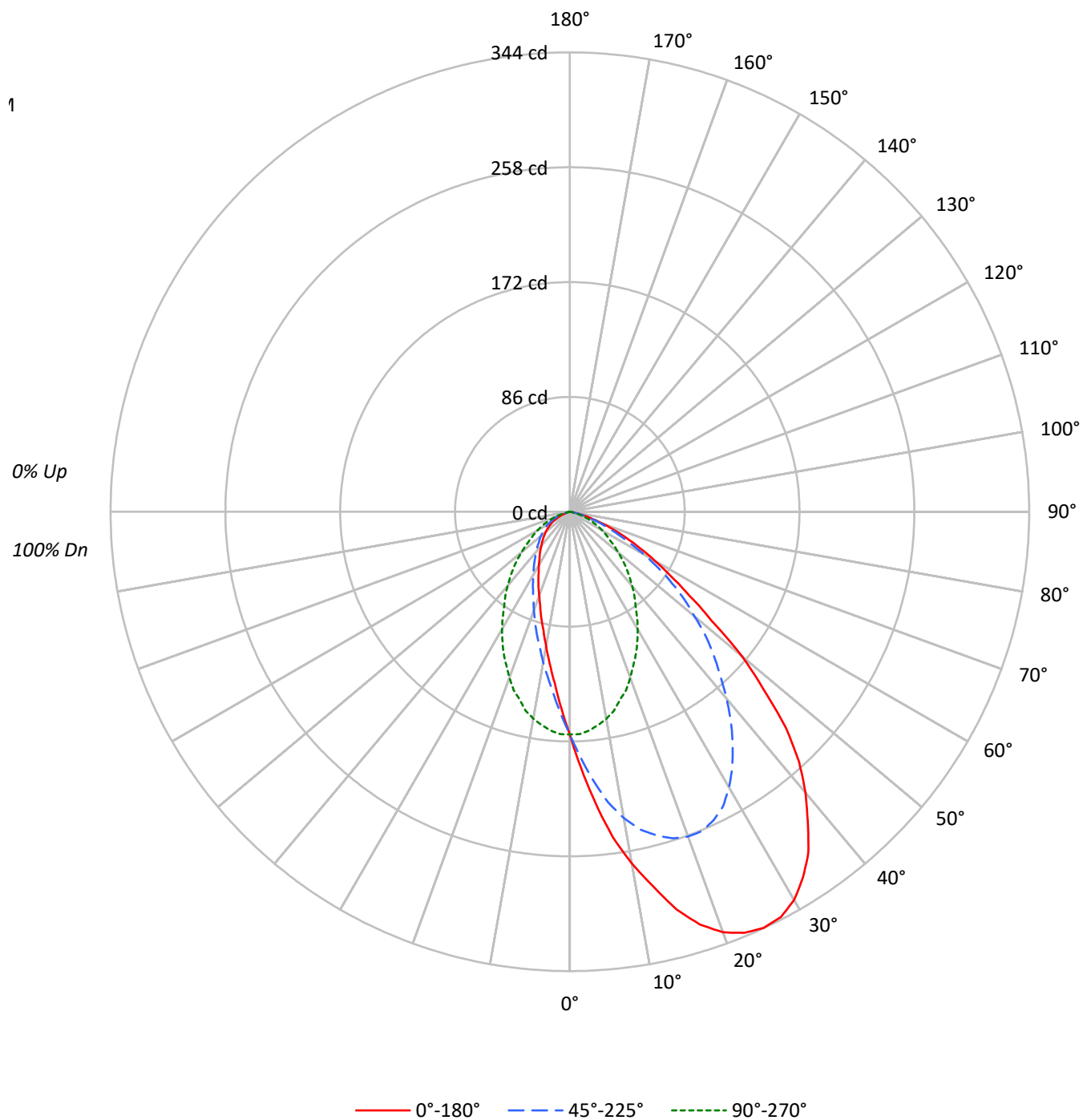
Lumens per Lamp: N/A  
Luminaire Lumens: 374.0 lumens  
Efficiency: N/A  
Efficacy: 33.7 lumens/watt  
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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

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### Luminous Intensity Polar Plot



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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  | 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 | 107 | 104 | 101 | 108 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 94  | 92  | 90  | 89  |    |    |
| 2   | 103 | 96  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 86  | 83  | 88  | 84  | 81  | 85  | 82  | 79  | 77  |    |    |
| 3   | 95  | 86  | 79  | 73  | 93  | 84  | 78  | 73  | 82  | 76  | 72  | 79  | 74  | 70  | 76  | 73  | 69  | 67  |    |    |
| 4   | 88  | 77  | 70  | 64  | 86  | 76  | 69  | 63  | 74  | 67  | 63  | 71  | 66  | 62  | 69  | 65  | 61  | 59  |    |    |
| 5   | 81  | 70  | 62  | 56  | 79  | 69  | 61  | 56  | 67  | 60  | 55  | 65  | 59  | 55  | 63  | 58  | 54  | 52  |    |    |
| 6   | 75  | 63  | 55  | 50  | 74  | 63  | 55  | 49  | 61  | 54  | 49  | 59  | 53  | 49  | 58  | 52  | 48  | 46  |    |    |
| 7   | 70  | 58  | 50  | 44  | 69  | 57  | 50  | 44  | 56  | 49  | 44  | 54  | 48  | 44  | 53  | 48  | 43  | 42  |    |    |
| 8   | 66  | 53  | 45  | 40  | 64  | 53  | 45  | 40  | 51  | 45  | 40  | 50  | 44  | 39  | 49  | 43  | 39  | 38  |    |    |
| 9   | 62  | 49  | 41  | 36  | 60  | 49  | 41  | 36  | 47  | 41  | 36  | 46  | 40  | 36  | 45  | 40  | 36  | 34  |    |    |
| 10  | 58  | 45  | 38  | 33  | 57  | 45  | 38  | 33  | 44  | 37  | 33  | 43  | 37  | 33  | 42  | 37  | 33  | 31  |    |    |

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

|     | 0°    | 45°   | 90°   | 135°  | 180°  |
|-----|-------|-------|-------|-------|-------|
| 0°  | 28710 | 28710 | 28710 | 28710 | 28710 |
| 5°  | 37809 | 34939 | 28422 | 23788 | 22302 |
| 10° | 46763 | 40712 | 27509 | 20076 | 17873 |
| 15° | 54969 | 44735 | 25942 | 16974 | 14727 |
| 20° | 61416 | 47432 | 24211 | 14424 | 12261 |
| 25° | 65312 | 48419 | 22271 | 12409 | 10603 |
| 30° | 66779 | 47390 | 20185 | 10798 | 9227  |
| 35° | 65491 | 44656 | 18018 | 9755  | 8263  |
| 40° | 61713 | 41030 | 16277 | 8835  | 7419  |
| 45° | 55751 | 37167 | 14565 | 8037  | 6893  |
| 50° | 45093 | 32661 | 12646 | 7582  | 6323  |
| 55° | 32819 | 28104 | 10869 | 7086  | 5675  |
| 60° | 25455 | 22217 | 9748  | 6510  | 5132  |
| 65° | 19235 | 16015 | 8028  | 5787  | 3831  |
| 70° | 13445 | 11481 | 5942  | 4381  | 2367  |
| 75° | 7852  | 6787  | 3127  | 2063  | 532   |
| 80° | 1587  | 2380  | 793   | 0     | 0     |
| 85° | 0     | 0     | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 55751 cd/sqm

TEST NUMBER: P1310165

CATALOG NUMBER: P3SQAS09R709040DE010 E3SQCLSWW1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 16.3   | 4.4       |
| 10°-20°   | 48.6   | 13.0      |
| 20°-30°   | 73.3   | 19.6      |
| 30°-40°   | 81.4   | 21.8      |
| 40°-50°   | 72.2   | 19.3      |
| 50°-60°   | 49.0   | 13.1      |
| 60°-70°   | 25.7   | 6.9       |
| 70°-80°   | 7.3    | 2.0       |
| 80°-90°   | 0.2    | 0.1       |
| 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°    | 138.2  | 36.9      |
| 0°-40°    | 219.6  | 58.7      |
| 0°-60°    | 340.8  | 91.1      |
| 0°-90°    | 374.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 374.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 167 | 167 | 167 | 167  | 167  |      |
| 5°  | 219 | 202 | 164 | 138  | 129  | 22   |
| 15° | 308 | 251 | 146 | 95   | 83   | 88   |
| 25° | 344 | 255 | 117 | 65   | 56   | 158  |
| 35° | 312 | 212 | 86  | 46   | 39   | 193  |
| 45° | 229 | 153 | 60  | 33   | 28   | 173  |
| 55° | 109 | 94  | 36  | 24   | 19   | 101  |
| 65° | 47  | 39  | 20  | 14   | 9    | 48   |
| 75° | 12  | 10  | 5   | 3    | 1    | 13   |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1310165

CATALOG NUMBER: P3SQAS09R709040DE010 E3SQCLSWW1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 166.7 | 166.7 | 166.7 | 166.7 | 166.7 | 166.7 | 166.7 | 166.7 | 166.7 | 166.7 | 166.7 |
| 2.5°  | 191.9 | 191.1 | 190.3 | 190.3 | 189.6 | 188.8 | 187.2 | 187.2 | 185.6 | 184.0 | 182.5 |
| 5°    | 218.7 | 218.7 | 218.7 | 216.3 | 216.3 | 213.1 | 211.6 | 208.4 | 205.3 | 202.1 | 198.2 |
| 7.5°  | 245.4 | 245.4 | 243.0 | 242.2 | 239.9 | 236.7 | 234.4 | 229.7 | 224.2 | 219.4 | 213.1 |
| 10°   | 267.4 | 267.4 | 265.1 | 263.5 | 258.8 | 255.6 | 250.9 | 245.4 | 239.9 | 232.8 | 224.9 |
| 12.5° | 287.1 | 287.9 | 284.7 | 281.6 | 276.9 | 272.1 | 265.8 | 258.8 | 251.7 | 243.8 | 233.6 |
| 15°   | 308.3 | 307.5 | 303.6 | 299.7 | 294.2 | 287.1 | 279.2 | 269.8 | 260.3 | 250.9 | 239.9 |
| 17.5° | 324.0 | 323.3 | 319.3 | 314.6 | 307.5 | 298.9 | 290.2 | 279.2 | 268.2 | 256.4 | 243.0 |
| 20°   | 335.1 | 334.3 | 330.3 | 324.0 | 317.0 | 307.5 | 297.3 | 284.7 | 272.9 | 258.8 | 243.8 |
| 22.5° | 341.3 | 340.6 | 335.8 | 330.3 | 321.7 | 311.5 | 300.4 | 287.1 | 273.7 | 258.8 | 242.2 |
| 25°   | 343.7 | 342.1 | 337.4 | 331.1 | 322.5 | 311.5 | 298.9 | 284.7 | 270.6 | 254.8 | 237.5 |
| 27.5° | 342.1 | 340.6 | 335.1 | 328.0 | 318.5 | 306.0 | 293.4 | 279.2 | 264.3 | 248.5 | 230.4 |
| 30°   | 335.8 | 333.5 | 328.8 | 321.7 | 311.5 | 298.9 | 285.5 | 270.6 | 254.8 | 238.3 | 220.2 |
| 32.5° | 324.8 | 323.3 | 318.5 | 310.7 | 300.4 | 287.9 | 274.5 | 258.8 | 243.0 | 226.5 | 208.4 |
| 35°   | 311.5 | 308.3 | 303.6 | 296.5 | 286.3 | 273.7 | 260.3 | 243.8 | 228.9 | 212.4 | 195.1 |
| 37.5° | 292.6 | 291.8 | 286.3 | 280.8 | 270.6 | 257.2 | 244.6 | 228.9 | 213.9 | 198.2 | 180.9 |
| 40°   | 274.5 | 272.9 | 268.2 | 261.9 | 251.7 | 239.9 | 226.5 | 212.4 | 197.4 | 182.5 | 166.7 |
| 42.5° | 254.0 | 251.7 | 248.5 | 242.2 | 232.8 | 221.0 | 208.4 | 194.3 | 180.9 | 166.7 | 152.6 |
| 45°   | 228.9 | 228.1 | 224.2 | 221.0 | 212.4 | 202.1 | 189.6 | 177.0 | 163.6 | 152.6 | 141.6 |
| 47.5° | 196.6 | 195.8 | 195.1 | 192.7 | 188.0 | 180.9 | 171.5 | 159.7 | 149.4 | 138.4 | 123.5 |
| 50°   | 168.3 | 167.5 | 166.0 | 165.2 | 161.2 | 157.3 | 150.2 | 143.1 | 134.5 | 121.9 | 110.1 |
| 52.5° | 133.7 | 134.5 | 136.9 | 137.6 | 136.9 | 133.7 | 130.6 | 128.2 | 116.4 | 108.5 | 97.5  |
| 55°   | 109.3 | 109.3 | 108.5 | 109.3 | 110.1 | 111.7 | 111.7 | 108.5 | 100.7 | 93.6  | 84.2  |
| 57.5° | 89.7  | 89.7  | 89.7  | 89.7  | 89.7  | 90.4  | 90.4  | 89.7  | 85.7  | 78.7  | 70.0  |
| 60°   | 73.9  | 73.1  | 73.1  | 73.9  | 73.1  | 73.1  | 73.9  | 73.9  | 70.0  | 64.5  | 56.6  |
| 62.5° | 59.8  | 59.8  | 59.8  | 59.0  | 59.0  | 59.8  | 59.8  | 59.0  | 55.8  | 50.3  | 44.8  |
| 65°   | 47.2  | 47.2  | 47.2  | 47.2  | 47.2  | 48.0  | 47.2  | 46.4  | 43.3  | 39.3  | 35.4  |
| 67.5° | 36.2  | 36.2  | 37.0  | 36.2  | 37.0  | 37.0  | 37.0  | 35.4  | 33.0  | 29.9  | 27.5  |
| 70°   | 26.7  | 26.7  | 26.7  | 27.5  | 28.3  | 28.3  | 27.5  | 26.0  | 24.4  | 22.8  | 20.4  |
| 72.5° | 18.1  | 18.9  | 18.9  | 18.9  | 19.7  | 19.7  | 18.9  | 18.1  | 17.3  | 15.7  | 14.9  |
| 75°   | 11.8  | 11.0  | 11.8  | 11.8  | 12.6  | 12.6  | 11.8  | 11.8  | 11.0  | 10.2  | 9.4   |
| 77.5° | 5.5   | 5.5   | 6.3   | 6.3   | 6.3   | 6.3   | 6.3   | 6.3   | 6.3   | 5.5   | 5.5   |
| 80°   | 1.6   | 1.6   | 1.6   | 2.4   | 2.4   | 2.4   | 2.4   | 2.4   | 2.4   | 2.4   | 2.4   |
| 82.5° | 0.0   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   |
| 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: P1310165

CATALOG NUMBER: P3SQAS09R709040DE010 E3SQCLSWW1MB

**CANDELA DISTRIBUTION (continued):**

|       | 55°   | 60°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  |
|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| 0°    | 166.7 | 166.7 | 166.7 | 166.7 | 166.7  | 166.7 | 166.7  | 166.7 |
| 2.5°  | 180.9 | 178.5 | 175.4 | 166.7 | 158.9  | 151.8 | 147.9  | 147.1 |
| 5°    | 193.5 | 190.3 | 182.5 | 164.4 | 149.4  | 137.6 | 130.6  | 129.0 |
| 7.5°  | 206.9 | 200.6 | 189.6 | 161.2 | 140.0  | 125.1 | 117.2  | 114.8 |
| 10°   | 217.1 | 209.2 | 194.3 | 157.3 | 130.6  | 114.8 | 105.4  | 102.2 |
| 12.5° | 224.2 | 214.7 | 198.2 | 152.6 | 122.7  | 103.8 | 94.4   | 91.2  |
| 15°   | 228.1 | 217.9 | 199.0 | 145.5 | 113.3  | 95.2  | 84.9   | 82.6  |
| 17.5° | 229.7 | 217.9 | 197.4 | 140.0 | 104.6  | 86.5  | 77.1   | 73.9  |
| 20°   | 228.9 | 214.7 | 193.5 | 132.1 | 96.7   | 78.7  | 69.2   | 66.9  |
| 22.5° | 225.7 | 210.0 | 187.2 | 124.3 | 88.9   | 70.8  | 62.9   | 61.3  |
| 25°   | 221.0 | 203.7 | 180.1 | 117.2 | 81.8   | 65.3  | 57.4   | 55.8  |
| 27.5° | 213.1 | 195.8 | 170.7 | 109.3 | 75.5   | 59.8  | 52.7   | 50.3  |
| 30°   | 202.9 | 186.4 | 161.2 | 101.5 | 69.2   | 54.3  | 48.0   | 46.4  |
| 32.5° | 191.9 | 175.4 | 151.8 | 93.6  | 63.7   | 50.3  | 44.0   | 42.5  |
| 35°   | 179.3 | 163.6 | 140.0 | 85.7  | 58.2   | 46.4  | 40.1   | 39.3  |
| 37.5° | 166.7 | 151.0 | 129.8 | 79.4  | 53.5   | 42.5  | 37.0   | 36.2  |
| 40°   | 152.6 | 140.0 | 124.3 | 72.4  | 49.6   | 39.3  | 34.6   | 33.0  |
| 42.5° | 143.9 | 126.6 | 107.0 | 66.1  | 45.6   | 36.2  | 31.5   | 30.7  |
| 45°   | 125.1 | 112.5 | 96.7  | 59.8  | 41.7   | 33.0  | 29.1   | 28.3  |
| 47.5° | 112.5 | 101.5 | 86.5  | 53.5  | 38.5   | 30.7  | 26.7   | 26.0  |
| 50°   | 99.9  | 89.7  | 75.5  | 47.2  | 35.4   | 28.3  | 24.4   | 23.6  |
| 52.5° | 87.3  | 77.1  | 64.5  | 41.7  | 31.5   | 26.0  | 22.0   | 21.2  |
| 55°   | 74.7  | 65.3  | 53.5  | 36.2  | 28.3   | 23.6  | 20.4   | 18.9  |
| 57.5° | 61.3  | 53.5  | 45.6  | 32.2  | 25.2   | 21.2  | 18.1   | 16.5  |
| 60°   | 49.6  | 44.8  | 38.5  | 28.3  | 22.0   | 18.9  | 15.7   | 14.9  |
| 62.5° | 40.1  | 36.2  | 32.2  | 24.4  | 19.7   | 16.5  | 14.2   | 11.8  |
| 65°   | 32.2  | 29.9  | 26.7  | 19.7  | 16.5   | 14.2  | 11.8   | 9.4   |
| 67.5° | 25.2  | 23.6  | 21.2  | 16.5  | 13.4   | 11.8  | 8.7    | 7.1   |
| 70°   | 19.7  | 18.1  | 16.5  | 11.8  | 10.2   | 8.7   | 6.3    | 4.7   |
| 72.5° | 14.2  | 12.6  | 11.8  | 8.7   | 7.1    | 6.3   | 3.9    | 2.4   |
| 75°   | 8.7   | 8.7   | 7.1   | 4.7   | 3.9    | 3.1   | 1.6    | 0.8   |
| 77.5° | 4.7   | 4.7   | 3.9   | 2.4   | 2.4    | 0.8   | 0.0    | 0.0   |
| 80°   | 2.4   | 1.6   | 1.6   | 0.8   | 0.8    | 0.0   | 0.0    | 0.0   |
| 82.5° | 0.8   | 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   |
| 87.5° | 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   |

(END OF REPORT)