

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: P3ART13R70B2750DE010 E3LSWW1MW\_5000K

Issue Date: 5/8/2026

**Test Information**

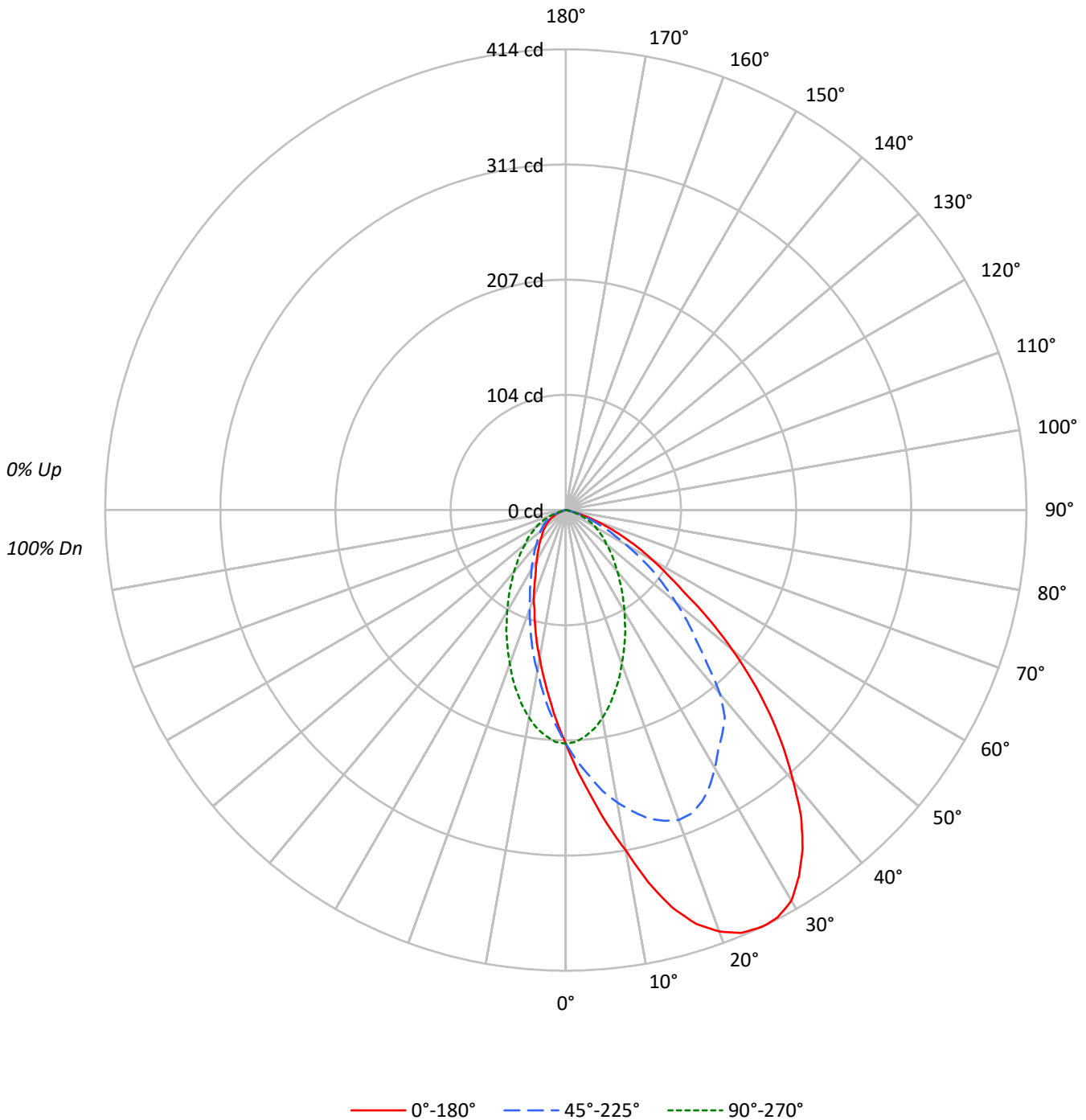
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART13R70B2750DE010 E3LSWW1MW\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 80CRI , E3LSWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 418.0 lumens  
Efficiency: N/A  
Efficacy: 21.9 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): 19.1  
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

TEST NUMBER: P#  
CATALOG NUMBER: P3ART13R70B2750DE010 E3LSWW1MW\_5000K

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART13R70B2750DE010 E3LSWW1MW\_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  | 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°  | 46005  | 46005 | 46005 | 46005 | 46005 |
| 5°  | 56636  | 52718 | 44882 | 39401 | 37310 |
| 10° | 69159  | 59407 | 42239 | 32732 | 30104 |
| 15° | 83973  | 65131 | 38479 | 27174 | 24223 |
| 20° | 94065  | 69166 | 34303 | 22122 | 19648 |
| 25° | 100119 | 69996 | 30413 | 18364 | 15485 |
| 30° | 102674 | 67833 | 26713 | 15597 | 13217 |
| 35° | 99341  | 65692 | 23477 | 13331 | 11430 |
| 40° | 90942  | 61773 | 20696 | 11879 | 10191 |
| 45° | 80504  | 51478 | 18390 | 11040 | 9179  |
| 50° | 66727  | 44075 | 16170 | 10098 | 8494  |
| 55° | 50311  | 36701 | 14948 | 9519  | 7723  |
| 60° | 39514  | 27542 | 13508 | 8859  | 6754  |
| 65° | 29523  | 20288 | 11674 | 7368  | 5552  |
| 70° | 18978  | 12951 | 8335  | 5321  | 3013  |
| 75° | 8049   | 7032  | 3982  | 2033  | 1017  |
| 80° | 1515   | 1515  | 0     | 0     | 0     |
| 85° | 0      | 0     | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 80504 cd/sqm



TEST NUMBER: P#

CATALOG NUMBER: P3ART13R70B2750DE010 E3LSWW1MW\_5000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 19.9   | 4.8       |
| 10°-20°   | 57.3   | 13.7      |
| 20°-30°   | 83.8   | 20.0      |
| 30°-40°   | 91.3   | 21.8      |
| 40°-50°   | 79.0   | 18.9      |
| 50°-60°   | 52.9   | 12.7      |
| 60°-70°   | 27.3   | 6.5       |
| 70°-80°   | 6.5    | 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°    | 161.0  | 38.5      |
| 0°-40°    | 252.2  | 60.3      |
| 0°-60°    | 384.1  | 91.9      |
| 0°-90°    | 418.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 418.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 210 | 210 | 210 | 210  | 210  |      |
| 5°  | 257 | 240 | 204 | 179  | 170  | 26   |
| 15° | 370 | 287 | 170 | 120  | 107  | 105  |
| 25° | 414 | 289 | 126 | 76   | 64   | 190  |
| 35° | 371 | 245 | 88  | 50   | 43   | 230  |
| 45° | 260 | 166 | 59  | 36   | 30   | 199  |
| 55° | 132 | 96  | 39  | 25   | 20   | 122  |
| 65° | 57  | 39  | 22  | 14   | 11   | 57   |
| 75° | 10  | 8   | 5   | 2    | 1    | 12   |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |



TEST NUMBER: P#  
 CATALOG NUMBER: P3ART13R70B2750DE010 E3LSWW1MW\_5000K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 |
| 2.5°  | 233.6 | 232.4 | 232.4 | 230.0 | 227.6 | 225.3 | 221.7 | 218.1 | 214.6 | 211.0 | 208.7 |
| 5°    | 257.3 | 258.5 | 257.3 | 252.5 | 246.6 | 239.5 | 232.4 | 224.1 | 215.8 | 208.7 | 203.9 |
| 7.5°  | 284.5 | 284.5 | 281.0 | 275.0 | 266.8 | 254.9 | 243.0 | 228.8 | 215.8 | 203.9 | 198.0 |
| 10°   | 310.6 | 310.6 | 304.7 | 295.2 | 282.2 | 266.8 | 250.2 | 231.2 | 213.4 | 196.8 | 189.7 |
| 12.5° | 342.6 | 341.4 | 334.3 | 318.9 | 299.9 | 277.4 | 254.9 | 231.2 | 209.8 | 189.7 | 180.2 |
| 15°   | 369.9 | 368.7 | 359.2 | 340.3 | 315.4 | 286.9 | 256.1 | 228.8 | 202.7 | 180.2 | 169.5 |
| 17.5° | 390.0 | 387.7 | 377.0 | 356.9 | 328.4 | 292.8 | 257.3 | 224.1 | 194.4 | 169.5 | 158.9 |
| 20°   | 403.1 | 401.9 | 390.0 | 366.3 | 335.5 | 296.4 | 256.1 | 218.1 | 186.1 | 158.9 | 147.0 |
| 22.5° | 411.4 | 409.0 | 397.2 | 371.1 | 335.5 | 295.2 | 251.3 | 209.8 | 175.5 | 148.2 | 136.3 |
| 25°   | 413.8 | 412.6 | 398.3 | 369.9 | 332.0 | 289.3 | 244.2 | 201.5 | 164.8 | 137.5 | 125.7 |
| 26°   | 413.8 | 412.6 | 398.3 | 368.7 | 329.6 | 285.7 | 240.7 | 198.0 | 161.2 | 132.8 | 122.1 |
| 27.5° | 412.6 | 411.4 | 396.0 | 365.2 | 324.8 | 279.8 | 233.6 | 190.9 | 154.1 | 126.9 | 115.0 |
| 30°   | 405.5 | 403.1 | 387.7 | 356.9 | 314.2 | 267.9 | 221.7 | 180.2 | 143.5 | 116.2 | 105.5 |
| 32.5° | 390.0 | 387.7 | 371.1 | 342.6 | 302.3 | 254.9 | 208.7 | 168.3 | 132.8 | 105.5 | 96.0  |
| 35°   | 371.1 | 368.7 | 352.1 | 324.8 | 285.7 | 245.4 | 194.4 | 155.3 | 120.9 | 97.2  | 87.7  |
| 37.5° | 347.4 | 343.8 | 329.6 | 301.1 | 265.6 | 234.7 | 182.6 | 142.3 | 110.3 | 87.7  | 79.4  |
| 40°   | 317.7 | 316.5 | 303.5 | 277.4 | 241.9 | 215.8 | 175.5 | 142.3 | 100.8 | 79.4  | 72.3  |
| 42.5° | 289.3 | 286.9 | 275.0 | 252.5 | 220.5 | 188.5 | 154.1 | 136.3 | 93.7  | 71.1  | 65.2  |
| 45°   | 259.6 | 257.3 | 246.6 | 227.6 | 198.0 | 166.0 | 166.0 | 117.4 | 80.6  | 65.2  | 59.3  |
| 47.5° | 227.6 | 225.3 | 217.0 | 202.7 | 176.6 | 148.2 | 120.9 | 96.0  | 73.5  | 58.1  | 53.4  |
| 50°   | 195.6 | 196.8 | 189.7 | 175.5 | 155.3 | 129.2 | 104.3 | 80.6  | 62.8  | 52.2  | 47.4  |
| 52.5° | 163.6 | 162.4 | 157.7 | 148.2 | 134.0 | 111.4 | 88.9  | 68.8  | 54.5  | 46.2  | 43.9  |
| 55°   | 131.6 | 132.8 | 130.4 | 124.5 | 112.6 | 96.0  | 74.7  | 59.3  | 48.6  | 41.5  | 39.1  |
| 57.5° | 109.1 | 110.3 | 105.5 | 102.0 | 92.5  | 78.2  | 61.6  | 49.8  | 41.5  | 36.8  | 34.4  |
| 60°   | 90.1  | 91.3  | 87.7  | 83.0  | 75.9  | 62.8  | 49.8  | 41.5  | 36.8  | 33.2  | 30.8  |
| 62.5° | 73.5  | 72.3  | 69.9  | 65.2  | 59.3  | 49.8  | 40.3  | 34.4  | 30.8  | 28.5  | 27.3  |
| 65°   | 56.9  | 56.9  | 54.5  | 51.0  | 46.2  | 39.1  | 32.0  | 28.5  | 26.1  | 23.7  | 22.5  |
| 67.5° | 42.7  | 42.7  | 40.3  | 37.9  | 33.2  | 28.5  | 24.9  | 22.5  | 21.3  | 19.0  | 17.8  |
| 70°   | 29.6  | 29.6  | 28.5  | 27.3  | 23.7  | 20.2  | 19.0  | 16.6  | 15.4  | 14.2  | 13.0  |
| 72.5° | 19.0  | 19.0  | 19.0  | 16.6  | 15.4  | 13.0  | 13.0  | 11.9  | 10.7  | 9.5   | 9.5   |
| 75°   | 9.5   | 10.7  | 9.5   | 9.5   | 8.3   | 8.3   | 7.1   | 7.1   | 5.9   | 5.9   | 4.7   |
| 77.5° | 3.6   | 3.6   | 3.6   | 3.6   | 3.6   | 3.6   | 2.4   | 2.4   | 2.4   | 2.4   | 2.4   |
| 80°   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 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: P3ART13R70B2750DE010 E3LSWW1MW\_5000K

**CANDELA DISTRIBUTION (continued):**

|       | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 |
| 2.5°  | 206.3 | 202.7 | 200.4 | 196.8 | 194.4 | 192.1 | 190.9 | 189.7 | 189.7 | 189.7 |
| 5°    | 200.4 | 194.4 | 188.5 | 182.6 | 179.0 | 175.5 | 171.9 | 170.7 | 169.5 | 169.5 |
| 7.5°  | 193.2 | 183.8 | 175.5 | 168.3 | 162.4 | 158.9 | 155.3 | 152.9 | 151.8 | 151.8 |
| 10°   | 183.8 | 171.9 | 162.4 | 152.9 | 147.0 | 142.3 | 139.9 | 136.3 | 136.3 | 135.2 |
| 12.5° | 173.1 | 158.9 | 148.2 | 139.9 | 134.0 | 128.0 | 124.5 | 122.1 | 120.9 | 120.9 |
| 15°   | 161.2 | 147.0 | 135.2 | 125.7 | 119.7 | 113.8 | 110.3 | 107.9 | 106.7 | 106.7 |
| 17.5° | 149.4 | 134.0 | 122.1 | 112.6 | 106.7 | 100.8 | 97.2  | 94.8  | 94.8  | 93.7  |
| 20°   | 137.5 | 122.1 | 110.3 | 100.8 | 94.8  | 90.1  | 86.5  | 84.2  | 83.0  | 84.2  |
| 22.5° | 126.9 | 111.4 | 99.6  | 91.3  | 84.2  | 79.4  | 75.9  | 74.7  | 73.5  | 73.5  |
| 25°   | 115.0 | 100.8 | 90.1  | 81.8  | 75.9  | 71.1  | 67.6  | 66.4  | 65.2  | 64.0  |
| 26°   | 111.4 | 97.2  | 86.5  | 78.2  | 72.3  | 67.6  | 65.2  | 62.8  | 61.6  | 61.6  |
| 27.5° | 106.7 | 91.3  | 81.8  | 73.5  | 67.6  | 64.0  | 60.5  | 59.3  | 58.1  | 58.1  |
| 30°   | 96.0  | 83.0  | 73.5  | 66.4  | 61.6  | 56.9  | 54.5  | 53.4  | 52.2  | 52.2  |
| 32.5° | 87.7  | 74.7  | 66.4  | 60.5  | 55.7  | 52.2  | 49.8  | 47.4  | 47.4  | 47.4  |
| 35°   | 79.4  | 67.6  | 60.5  | 54.5  | 49.8  | 46.2  | 45.1  | 43.9  | 42.7  | 42.7  |
| 37.5° | 72.3  | 61.6  | 54.5  | 49.8  | 46.2  | 42.7  | 40.3  | 39.1  | 39.1  | 39.1  |
| 40°   | 65.2  | 56.9  | 49.8  | 45.1  | 41.5  | 39.1  | 36.8  | 35.6  | 35.6  | 35.6  |
| 42.5° | 59.3  | 51.0  | 46.2  | 41.5  | 37.9  | 35.6  | 34.4  | 33.2  | 32.0  | 32.0  |
| 45°   | 54.5  | 47.4  | 41.5  | 37.9  | 35.6  | 33.2  | 30.8  | 29.6  | 29.6  | 29.6  |
| 47.5° | 48.6  | 43.9  | 37.9  | 34.4  | 32.0  | 29.6  | 28.5  | 27.3  | 27.3  | 27.3  |
| 50°   | 45.1  | 40.3  | 35.6  | 32.0  | 29.6  | 27.3  | 26.1  | 24.9  | 24.9  | 24.9  |
| 52.5° | 40.3  | 36.8  | 33.2  | 29.6  | 27.3  | 24.9  | 23.7  | 22.5  | 22.5  | 22.5  |
| 55°   | 36.8  | 33.2  | 29.6  | 27.3  | 24.9  | 22.5  | 21.3  | 20.2  | 20.2  | 20.2  |
| 57.5° | 33.2  | 29.6  | 27.3  | 24.9  | 22.5  | 21.3  | 19.0  | 19.0  | 17.8  | 17.8  |
| 60°   | 29.6  | 26.1  | 23.7  | 22.5  | 20.2  | 19.0  | 16.6  | 15.4  | 15.4  | 15.4  |
| 62.5° | 24.9  | 23.7  | 21.3  | 19.0  | 16.6  | 15.4  | 14.2  | 13.0  | 13.0  | 13.0  |
| 65°   | 21.3  | 20.2  | 17.8  | 15.4  | 14.2  | 13.0  | 11.9  | 10.7  | 10.7  | 10.7  |
| 67.5° | 17.8  | 15.4  | 14.2  | 13.0  | 11.9  | 10.7  | 9.5   | 8.3   | 7.1   | 8.3   |
| 70°   | 13.0  | 11.9  | 10.7  | 9.5   | 8.3   | 7.1   | 5.9   | 5.9   | 4.7   | 4.7   |
| 72.5° | 8.3   | 7.1   | 7.1   | 5.9   | 4.7   | 4.7   | 3.6   | 3.6   | 2.4   | 2.4   |
| 75°   | 4.7   | 4.7   | 3.6   | 3.6   | 2.4   | 2.4   | 1.2   | 1.2   | 1.2   | 1.2   |
| 77.5° | 2.4   | 1.2   | 1.2   | 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)