

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 E3LSWW1LI_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: P3ART09R70W2N902750DE010 E3LSWW1LI_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
E3LSWW1LI TRIM
Light Source: -
Ballast/Driver: -

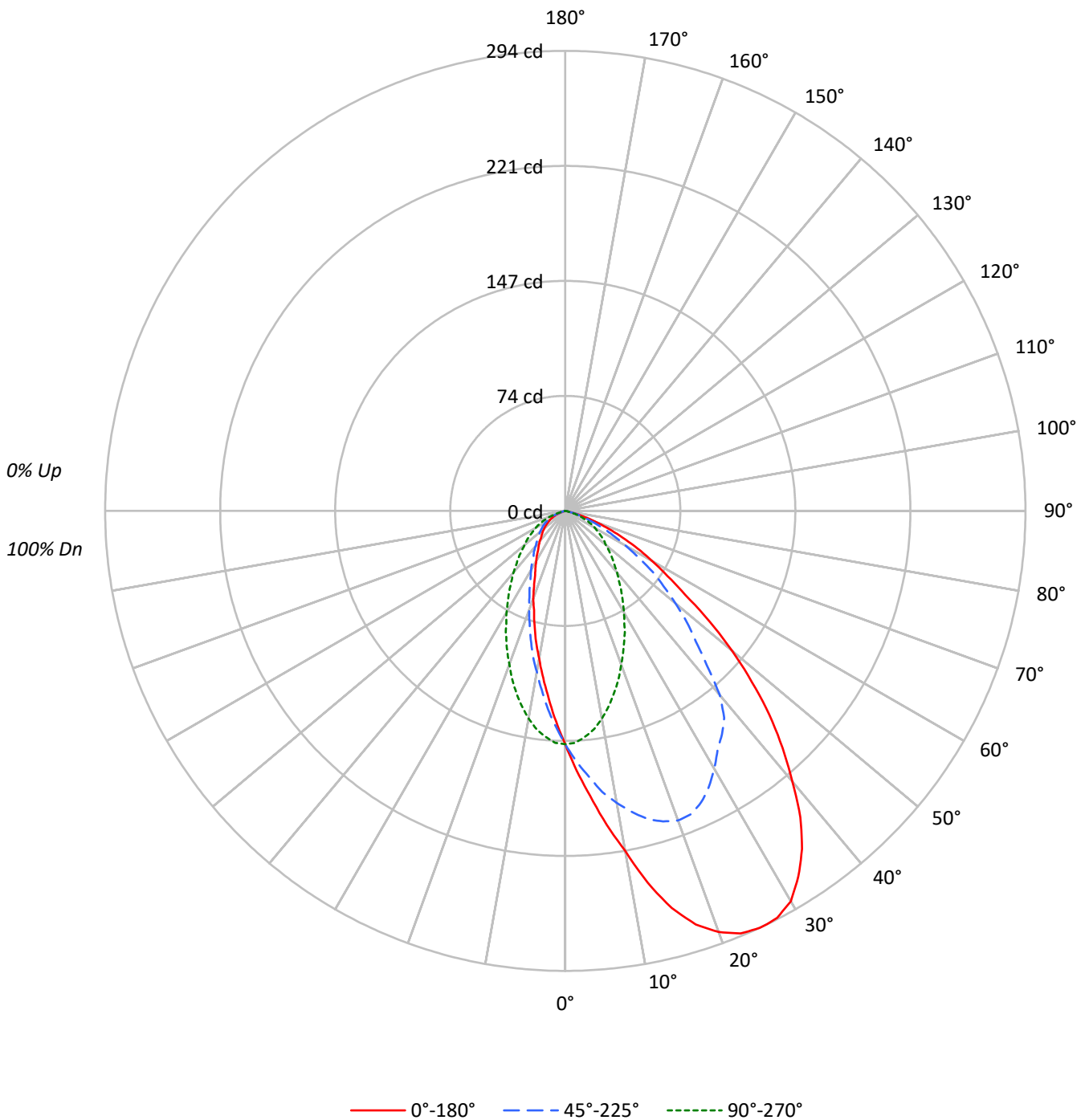
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 297.0 lumens
Efficiency: N/A
Efficacy: 33.0 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): 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 E3LSWW1LI_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART09R70W2N902750DE010 E3LSWW1LI_3000K

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° | 32695 | 32695 | 32695 | 32695 | 32695 |
| 5° | 40238 | 37464 | 31895 | 27999 | 26524 |
| 10° | 49142 | 42195 | 30015 | 23268 | 21376 |
| 15° | 59660 | 46289 | 27355 | 19319 | 17208 |
| 20° | 66832 | 49144 | 24385 | 15728 | 13955 |
| 25° | 71133 | 49721 | 21606 | 13041 | 11009 |
| 30° | 72948 | 48210 | 18990 | 11090 | 9394 |
| 35° | 70590 | 46686 | 16677 | 9476 | 8111 |
| 40° | 64635 | 43882 | 14713 | 8444 | 7242 |
| 45° | 57215 | 36562 | 13056 | 7846 | 6543 |
| 50° | 47418 | 31317 | 11496 | 7198 | 6038 |
| 55° | 35745 | 26073 | 10628 | 6767 | 5467 |
| 60° | 28068 | 19560 | 9604 | 6271 | 4824 |
| 65° | 20962 | 14424 | 8302 | 5241 | 3943 |
| 70° | 13528 | 9168 | 5963 | 3783 | 2180 |
| 75° | 5676 | 4999 | 2881 | 1440 | 678 |
| 80° | 1010 | 1010 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 57215 cd/sqm



TEST NUMBER: P#

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 14.1 | 4.8 |
| 10°-20° | 40.7 | 13.7 |
| 20°-30° | 59.5 | 20.0 |
| 30°-40° | 64.9 | 21.8 |
| 40°-50° | 56.1 | 18.9 |
| 50°-60° | 37.6 | 12.7 |
| 60°-70° | 19.4 | 6.5 |
| 70°-80° | 4.6 | 1.5 |
| 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° | 114.4 | 38.5 |
| 0°-40° | 179.2 | 60.3 |
| 0°-60° | 272.9 | 91.9 |
| 0°-90° | 297.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 297.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 149 | 149 | 149 | 149 | 149 | |
| 5° | 183 | 170 | 145 | 127 | 120 | 19 |
| 15° | 263 | 204 | 120 | 85 | 76 | 74 |
| 25° | 294 | 206 | 89 | 54 | 46 | 135 |
| 35° | 264 | 174 | 62 | 35 | 30 | 163 |
| 45° | 184 | 118 | 42 | 25 | 21 | 141 |
| 55° | 94 | 68 | 28 | 18 | 14 | 87 |
| 65° | 40 | 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 | 0 |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART09R70W2N902750DE010 E3LSWW1LI_3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 149.1 | 149.1 | 149.1 | 149.1 | 149.1 | 149.1 | 149.1 | 149.1 | 149.1 | 149.1 | 149.1 |
| 2.5° | 165.9 | 165.1 | 165.1 | 163.4 | 161.7 | 160.1 | 157.5 | 155.0 | 152.5 | 149.9 | 148.3 |
| 5° | 182.8 | 183.6 | 182.8 | 179.4 | 175.2 | 170.2 | 165.1 | 159.2 | 153.3 | 148.3 | 144.9 |
| 7.5° | 202.2 | 202.2 | 199.6 | 195.4 | 189.5 | 181.1 | 172.7 | 162.6 | 153.3 | 144.9 | 140.7 |
| 10° | 220.7 | 220.7 | 216.5 | 209.8 | 200.5 | 189.5 | 177.7 | 164.3 | 151.6 | 139.8 | 134.8 |
| 12.5° | 243.4 | 242.6 | 237.5 | 226.6 | 213.1 | 197.1 | 181.1 | 164.3 | 149.1 | 134.8 | 128.0 |
| 15° | 262.8 | 262.0 | 255.2 | 241.8 | 224.1 | 203.9 | 182.0 | 162.6 | 144.0 | 128.0 | 120.5 |
| 17.5° | 277.1 | 275.5 | 267.9 | 253.6 | 233.3 | 208.1 | 182.8 | 159.2 | 138.1 | 120.5 | 112.9 |
| 20° | 286.4 | 285.6 | 277.1 | 260.3 | 238.4 | 210.6 | 182.0 | 155.0 | 132.3 | 112.9 | 104.5 |
| 22.5° | 292.3 | 290.6 | 282.2 | 263.7 | 238.4 | 209.8 | 178.6 | 149.1 | 124.7 | 105.3 | 96.9 |
| 25° | 294.0 | 293.1 | 283.0 | 262.8 | 235.9 | 205.5 | 173.5 | 143.2 | 117.1 | 97.7 | 89.3 |
| 26° | 294.0 | 293.1 | 283.0 | 262.0 | 234.2 | 203.0 | 171.0 | 140.7 | 114.6 | 94.3 | 86.8 |
| 27.5° | 293.1 | 292.3 | 281.4 | 259.4 | 230.8 | 198.8 | 165.9 | 135.6 | 109.5 | 90.1 | 81.7 |
| 30° | 288.1 | 286.4 | 275.5 | 253.6 | 223.2 | 190.4 | 157.5 | 128.0 | 101.9 | 82.6 | 75.0 |
| 32.5° | 277.1 | 275.5 | 263.7 | 243.4 | 214.8 | 181.1 | 148.3 | 119.6 | 94.3 | 75.0 | 68.2 |
| 35° | 263.7 | 262.0 | 250.2 | 230.8 | 203.0 | 174.4 | 138.1 | 110.4 | 85.9 | 69.1 | 62.3 |
| 37.5° | 246.8 | 244.3 | 234.2 | 214.0 | 188.7 | 166.8 | 129.7 | 101.1 | 78.3 | 62.3 | 56.4 |
| 40° | 225.8 | 224.9 | 215.6 | 197.1 | 171.8 | 153.3 | 124.7 | 101.1 | 71.6 | 56.4 | 51.4 |
| 42.5° | 205.5 | 203.9 | 195.4 | 179.4 | 156.7 | 133.9 | 109.5 | 96.9 | 66.5 | 50.5 | 46.3 |
| 45° | 184.5 | 182.8 | 175.2 | 161.7 | 140.7 | 117.9 | 117.9 | 83.4 | 57.3 | 46.3 | 42.1 |
| 47.5° | 161.7 | 160.1 | 154.2 | 144.0 | 125.5 | 105.3 | 85.9 | 68.2 | 52.2 | 41.3 | 37.9 |
| 50° | 139.0 | 139.8 | 134.8 | 124.7 | 110.4 | 91.8 | 74.1 | 57.3 | 44.6 | 37.1 | 33.7 |
| 52.5° | 116.2 | 115.4 | 112.0 | 105.3 | 95.2 | 79.2 | 63.2 | 48.9 | 38.7 | 32.9 | 31.2 |
| 55° | 93.5 | 94.3 | 92.7 | 88.4 | 80.0 | 68.2 | 53.1 | 42.1 | 34.5 | 29.5 | 27.8 |
| 57.5° | 77.5 | 78.3 | 75.0 | 72.4 | 65.7 | 55.6 | 43.8 | 35.4 | 29.5 | 26.1 | 24.4 |
| 60° | 64.0 | 64.9 | 62.3 | 59.0 | 53.9 | 44.6 | 35.4 | 29.5 | 26.1 | 23.6 | 21.9 |
| 62.5° | 52.2 | 51.4 | 49.7 | 46.3 | 42.1 | 35.4 | 28.6 | 24.4 | 21.9 | 20.2 | 19.4 |
| 65° | 40.4 | 40.4 | 38.7 | 36.2 | 32.9 | 27.8 | 22.7 | 20.2 | 18.5 | 16.8 | 16.0 |
| 67.5° | 30.3 | 30.3 | 28.6 | 27.0 | 23.6 | 20.2 | 17.7 | 16.0 | 15.2 | 13.5 | 12.6 |
| 70° | 21.1 | 21.1 | 20.2 | 19.4 | 16.8 | 14.3 | 13.5 | 11.8 | 11.0 | 10.1 | 9.3 |
| 72.5° | 13.5 | 13.5 | 13.5 | 11.8 | 11.0 | 9.3 | 9.3 | 8.4 | 7.6 | 6.7 | 6.7 |
| 75° | 6.7 | 7.6 | 6.7 | 6.7 | 5.9 | 5.9 | 5.1 | 5.1 | 4.2 | 4.2 | 3.4 |
| 77.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 80° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 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 E3LSWW1LI_3000K

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 149.1 | 149.1 | 149.1 | 149.1 | 149.1 | 149.1 | 149.1 | 149.1 | 149.1 | 149.1 |
| 2.5° | 146.6 | 144.0 | 142.4 | 139.8 | 138.1 | 136.5 | 135.6 | 134.8 | 134.8 | 134.8 |
| 5° | 142.4 | 138.1 | 133.9 | 129.7 | 127.2 | 124.7 | 122.1 | 121.3 | 120.5 | 120.5 |
| 7.5° | 137.3 | 130.6 | 124.7 | 119.6 | 115.4 | 112.9 | 110.4 | 108.7 | 107.8 | 107.8 |
| 10° | 130.6 | 122.1 | 115.4 | 108.7 | 104.5 | 101.1 | 99.4 | 96.9 | 96.9 | 96.0 |
| 12.5° | 123.0 | 112.9 | 105.3 | 99.4 | 95.2 | 91.0 | 88.4 | 86.8 | 85.9 | 85.9 |
| 15° | 114.6 | 104.5 | 96.0 | 89.3 | 85.1 | 80.9 | 78.3 | 76.7 | 75.8 | 75.8 |
| 17.5° | 106.1 | 95.2 | 86.8 | 80.0 | 75.8 | 71.6 | 69.1 | 67.4 | 67.4 | 66.5 |
| 20° | 97.7 | 86.8 | 78.3 | 71.6 | 67.4 | 64.0 | 61.5 | 59.8 | 59.0 | 59.8 |
| 22.5° | 90.1 | 79.2 | 70.8 | 64.9 | 59.8 | 56.4 | 53.9 | 53.1 | 52.2 | 52.2 |
| 25° | 81.7 | 71.6 | 64.0 | 58.1 | 53.9 | 50.5 | 48.0 | 47.2 | 46.3 | 45.5 |
| 26° | 79.2 | 69.1 | 61.5 | 55.6 | 51.4 | 48.0 | 46.3 | 44.6 | 43.8 | 43.8 |
| 27.5° | 75.8 | 64.9 | 58.1 | 52.2 | 48.0 | 45.5 | 43.0 | 42.1 | 41.3 | 41.3 |
| 30° | 68.2 | 59.0 | 52.2 | 47.2 | 43.8 | 40.4 | 38.7 | 37.9 | 37.1 | 37.1 |
| 32.5° | 62.3 | 53.1 | 47.2 | 43.0 | 39.6 | 37.1 | 35.4 | 33.7 | 33.7 | 33.7 |
| 35° | 56.4 | 48.0 | 43.0 | 38.7 | 35.4 | 32.9 | 32.0 | 31.2 | 30.3 | 30.3 |
| 37.5° | 51.4 | 43.8 | 38.7 | 35.4 | 32.9 | 30.3 | 28.6 | 27.8 | 27.8 | 27.8 |
| 40° | 46.3 | 40.4 | 35.4 | 32.0 | 29.5 | 27.8 | 26.1 | 25.3 | 25.3 | 25.3 |
| 42.5° | 42.1 | 36.2 | 32.9 | 29.5 | 27.0 | 25.3 | 24.4 | 23.6 | 22.7 | 22.7 |
| 45° | 38.7 | 33.7 | 29.5 | 27.0 | 25.3 | 23.6 | 21.9 | 21.1 | 21.1 | 21.1 |
| 47.5° | 34.5 | 31.2 | 27.0 | 24.4 | 22.7 | 21.1 | 20.2 | 19.4 | 19.4 | 19.4 |
| 50° | 32.0 | 28.6 | 25.3 | 22.7 | 21.1 | 19.4 | 18.5 | 17.7 | 17.7 | 17.7 |
| 52.5° | 28.6 | 26.1 | 23.6 | 21.1 | 19.4 | 17.7 | 16.8 | 16.0 | 16.0 | 16.0 |
| 55° | 26.1 | 23.6 | 21.1 | 19.4 | 17.7 | 16.0 | 15.2 | 14.3 | 14.3 | 14.3 |
| 57.5° | 23.6 | 21.1 | 19.4 | 17.7 | 16.0 | 15.2 | 13.5 | 13.5 | 12.6 | 12.6 |
| 60° | 21.1 | 18.5 | 16.8 | 16.0 | 14.3 | 13.5 | 11.8 | 11.0 | 11.0 | 11.0 |
| 62.5° | 17.7 | 16.8 | 15.2 | 13.5 | 11.8 | 11.0 | 10.1 | 9.3 | 9.3 | 9.3 |
| 65° | 15.2 | 14.3 | 12.6 | 11.0 | 10.1 | 9.3 | 8.4 | 7.6 | 7.6 | 7.6 |
| 67.5° | 12.6 | 11.0 | 10.1 | 9.3 | 8.4 | 7.6 | 6.7 | 5.9 | 5.1 | 5.9 |
| 70° | 9.3 | 8.4 | 7.6 | 6.7 | 5.9 | 5.1 | 4.2 | 4.2 | 3.4 | 3.4 |
| 72.5° | 5.9 | 5.1 | 5.1 | 4.2 | 3.4 | 3.4 | 2.5 | 2.5 | 1.7 | 1.7 |
| 75° | 3.4 | 3.4 | 2.5 | 2.5 | 1.7 | 1.7 | 0.8 | 0.8 | 0.8 | 0.8 |
| 77.5° | 1.7 | 0.8 | 0.8 | 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)