

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 E3LCWW1GPH_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 (G1-2509-551-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART13R70B2750DE010 E3LCWW1GPH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 80CRI , E3LCWW1GPH TRIM
Light Source: -
Ballast/Driver: -

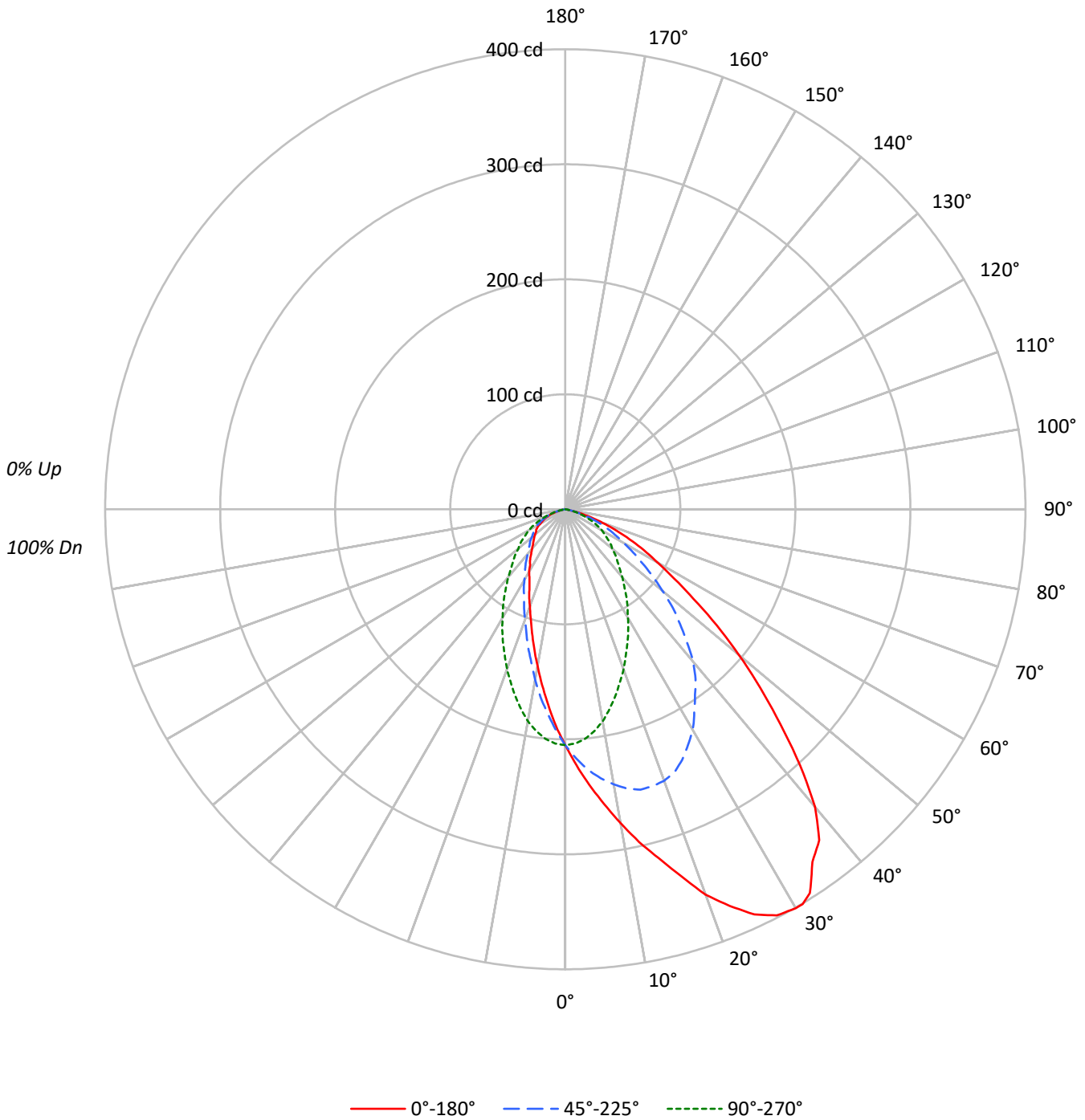
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 417.0 lumens
Efficiency: N/A
Efficacy: 21.8 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18
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 E3LCWW1GPH_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART13R70B2750DE010 E3LCWW1GPH_5000K

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 | 107 | 103 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 |
| 2 | 102 | 95 | 90 | 85 | 100 | 93 | 88 | 84 | 90 | 86 | 82 | 87 | 83 | 80 | 84 | 81 | 78 | 76 |
| 3 | 94 | 85 | 78 | 72 | 92 | 84 | 77 | 72 | 81 | 75 | 71 | 78 | 73 | 69 | 76 | 72 | 68 | 66 |
| 4 | 87 | 77 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 69 | 64 | 60 | 58 |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 59 | 54 | 64 | 58 | 54 | 62 | 57 | 53 | 51 |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 54 | 49 | 60 | 53 | 48 | 59 | 53 | 48 | 57 | 52 | 47 | 46 |
| 7 | 70 | 57 | 49 | 44 | 68 | 57 | 49 | 44 | 55 | 48 | 43 | 54 | 48 | 43 | 52 | 47 | 43 | 41 |
| 8 | 65 | 53 | 45 | 39 | 64 | 52 | 45 | 39 | 51 | 44 | 39 | 50 | 43 | 39 | 48 | 43 | 39 | 37 |
| 9 | 61 | 49 | 41 | 36 | 60 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 35 | 45 | 39 | 35 | 34 |
| 10 | 57 | 45 | 38 | 33 | 56 | 45 | 37 | 33 | 44 | 37 | 33 | 43 | 37 | 32 | 42 | 36 | 32 | 31 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|-------|-------|-------|
| 0° | 44953 | 44953 | 44953 | 44953 | 44953 |
| 5° | 52938 | 50077 | 44068 | 39115 | 37552 |
| 10° | 61722 | 54085 | 41683 | 33511 | 30861 |
| 15° | 71283 | 57299 | 38184 | 28241 | 25290 |
| 20° | 83214 | 58618 | 34560 | 23779 | 21002 |
| 25° | 94022 | 58189 | 30970 | 20348 | 17783 |
| 30° | 101408 | 56110 | 27599 | 18003 | 15901 |
| 35° | 100224 | 52655 | 24735 | 16169 | 14268 |
| 40° | 96667 | 49521 | 22041 | 14570 | 12881 |
| 45° | 81931 | 43725 | 19847 | 13583 | 12125 |
| 50° | 67102 | 37594 | 18183 | 12929 | 11735 |
| 55° | 52108 | 31272 | 17204 | 12692 | 11775 |
| 60° | 40523 | 25963 | 16095 | 12455 | 10920 |
| 65° | 31962 | 21533 | 14165 | 11674 | 10429 |
| 70° | 22055 | 15964 | 11412 | 9873 | 9104 |
| 75° | 11014 | 9065 | 8049 | 7032 | 6015 |
| 80° | 1515 | 3031 | 4546 | 3031 | 1515 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 81931 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 19.2 | 4.6 |
| 10°-20° | 53.4 | 12.8 |
| 20°-30° | 78.7 | 18.9 |
| 30°-40° | 88.2 | 21.2 |
| 40°-50° | 77.6 | 18.6 |
| 50°-60° | 55.5 | 13.3 |
| 60°-70° | 32.9 | 7.9 |
| 70°-80° | 11.0 | 2.6 |
| 80°-90° | 0.5 | 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° | 151.3 | 36.3 |
| 0°-40° | 239.5 | 57.4 |
| 0°-60° | 372.6 | 89.3 |
| 0°-90° | 417.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 417.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 205 | 205 | 205 | 205 | 205 | |
| 5° | 240 | 228 | 200 | 178 | 171 | 24 |
| 15° | 314 | 252 | 168 | 124 | 111 | 91 |
| 25° | 389 | 240 | 128 | 84 | 74 | 179 |
| 35° | 374 | 197 | 92 | 60 | 53 | 235 |
| 45° | 264 | 141 | 64 | 44 | 39 | 204 |
| 55° | 136 | 82 | 45 | 33 | 31 | 125 |
| 65° | 62 | 42 | 27 | 22 | 20 | 62 |
| 75° | 13 | 11 | 10 | 8 | 7 | 16 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART13R70B2750DE010 E3LCWW1GPH_5000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 205.0 | 205.0 | 205.0 | 205.0 | 205.0 | 205.0 | 205.0 | 205.0 | 205.0 | 205.0 | 205.0 |
| 2.5° | 222.7 | 222.7 | 222.7 | 220.4 | 220.4 | 216.8 | 214.5 | 210.9 | 208.5 | 205.0 | 203.8 |
| 5° | 240.5 | 240.5 | 238.1 | 235.8 | 232.2 | 227.5 | 221.6 | 215.6 | 208.5 | 202.6 | 200.2 |
| 7.5° | 258.3 | 259.5 | 255.9 | 251.2 | 244.1 | 235.8 | 227.5 | 218.0 | 207.3 | 199.0 | 194.3 |
| 10° | 277.2 | 277.2 | 272.5 | 265.4 | 254.7 | 242.9 | 229.9 | 216.8 | 203.8 | 191.9 | 187.2 |
| 12.5° | 296.2 | 295.0 | 289.1 | 278.4 | 265.4 | 248.8 | 231.0 | 214.5 | 199.0 | 184.8 | 177.7 |
| 15° | 314.0 | 314.0 | 305.7 | 292.6 | 273.7 | 252.4 | 231.0 | 209.7 | 191.9 | 175.4 | 168.2 |
| 17.5° | 334.1 | 334.1 | 323.5 | 303.3 | 279.6 | 252.4 | 227.5 | 203.8 | 183.6 | 165.9 | 157.6 |
| 20° | 356.6 | 355.4 | 340.0 | 312.8 | 282.0 | 251.2 | 222.7 | 196.7 | 174.2 | 155.2 | 148.1 |
| 22.5° | 373.2 | 372.0 | 354.3 | 321.1 | 283.2 | 247.6 | 214.5 | 187.2 | 164.7 | 145.7 | 137.4 |
| 25° | 388.6 | 386.2 | 366.1 | 324.6 | 280.8 | 240.5 | 206.2 | 176.5 | 155.2 | 136.3 | 128.0 |
| 27.5° | 398.1 | 396.9 | 374.4 | 323.5 | 274.9 | 231.0 | 195.5 | 167.1 | 144.5 | 125.6 | 118.5 |
| 30° | 400.5 | 401.7 | 374.4 | 317.5 | 265.4 | 221.6 | 184.8 | 156.4 | 133.9 | 117.3 | 109.0 |
| 31° | 400.5 | 401.7 | 372.0 | 314.0 | 261.8 | 216.8 | 180.1 | 152.8 | 129.1 | 112.6 | 105.4 |
| 32.5° | 395.7 | 393.4 | 368.5 | 308.1 | 253.6 | 208.5 | 174.2 | 146.9 | 123.2 | 106.6 | 100.7 |
| 35° | 374.4 | 375.6 | 356.6 | 295.0 | 241.7 | 196.7 | 162.3 | 135.1 | 112.6 | 98.3 | 92.4 |
| 37.5° | 362.6 | 362.6 | 328.2 | 277.2 | 228.7 | 186.0 | 148.1 | 122.0 | 103.1 | 90.0 | 84.1 |
| 40° | 337.7 | 334.1 | 302.1 | 258.3 | 213.3 | 173.0 | 139.8 | 113.7 | 94.8 | 81.8 | 77.0 |
| 42.5° | 302.1 | 298.6 | 273.7 | 241.7 | 193.1 | 156.4 | 132.7 | 100.7 | 85.3 | 74.6 | 69.9 |
| 45° | 264.2 | 261.8 | 242.9 | 213.3 | 174.2 | 141.0 | 114.9 | 92.4 | 78.2 | 67.5 | 64.0 |
| 47.5° | 229.9 | 226.3 | 212.1 | 189.6 | 157.6 | 126.8 | 99.5 | 82.9 | 69.9 | 61.6 | 59.2 |
| 50° | 196.7 | 195.5 | 183.6 | 165.9 | 139.8 | 110.2 | 87.7 | 73.5 | 64.0 | 56.9 | 53.3 |
| 52.5° | 165.9 | 163.5 | 157.6 | 143.4 | 122.0 | 96.0 | 77.0 | 65.2 | 56.9 | 52.1 | 49.8 |
| 55° | 136.3 | 136.3 | 130.3 | 120.9 | 104.3 | 81.8 | 67.5 | 58.1 | 50.9 | 47.4 | 45.0 |
| 57.5° | 112.6 | 112.6 | 107.8 | 101.9 | 86.5 | 69.9 | 59.2 | 50.9 | 46.2 | 42.7 | 40.3 |
| 60° | 92.4 | 92.4 | 88.9 | 82.9 | 72.3 | 59.2 | 50.9 | 45.0 | 41.5 | 37.9 | 36.7 |
| 62.5° | 77.0 | 75.8 | 73.5 | 67.5 | 59.2 | 49.8 | 43.8 | 39.1 | 35.5 | 33.2 | 32.0 |
| 65° | 61.6 | 60.4 | 58.1 | 53.3 | 47.4 | 41.5 | 36.7 | 33.2 | 30.8 | 28.4 | 27.3 |
| 67.5° | 47.4 | 47.4 | 45.0 | 41.5 | 36.7 | 33.2 | 29.6 | 27.3 | 24.9 | 23.7 | 22.5 |
| 70° | 34.4 | 34.4 | 33.2 | 30.8 | 27.3 | 24.9 | 22.5 | 21.3 | 20.1 | 19.0 | 17.8 |
| 72.5° | 23.7 | 23.7 | 22.5 | 21.3 | 19.0 | 17.8 | 15.4 | 15.4 | 14.2 | 14.2 | 13.0 |
| 75° | 13.0 | 13.0 | 13.0 | 11.8 | 11.8 | 10.7 | 10.7 | 10.7 | 9.5 | 9.5 | 9.5 |
| 77.5° | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| 80° | 1.2 | 1.2 | 1.2 | 1.2 | 2.4 | 2.4 | 2.4 | 2.4 | 3.6 | 3.6 | 3.6 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 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° | 205.0 | 205.0 | 205.0 | 205.0 | 205.0 | 205.0 | 205.0 | 205.0 | 205.0 | 205.0 |
| 2.5° | 202.6 | 199.0 | 196.7 | 195.5 | 191.9 | 190.8 | 189.6 | 188.4 | 188.4 | 188.4 |
| 5° | 197.9 | 191.9 | 186.0 | 182.5 | 177.7 | 175.4 | 173.0 | 171.8 | 170.6 | 170.6 |
| 7.5° | 189.6 | 182.5 | 175.4 | 169.4 | 164.7 | 159.9 | 157.6 | 155.2 | 155.2 | 154.0 |
| 10° | 181.3 | 171.8 | 163.5 | 155.2 | 150.5 | 144.5 | 142.2 | 139.8 | 138.6 | 138.6 |
| 12.5° | 171.8 | 159.9 | 150.5 | 143.4 | 136.3 | 131.5 | 128.0 | 125.6 | 124.4 | 124.4 |
| 15° | 161.1 | 149.3 | 138.6 | 131.5 | 124.4 | 118.5 | 114.9 | 112.6 | 111.4 | 111.4 |
| 17.5° | 150.5 | 138.6 | 126.8 | 119.7 | 112.6 | 106.6 | 104.3 | 101.9 | 100.7 | 99.5 |
| 20° | 141.0 | 126.8 | 117.3 | 107.8 | 101.9 | 97.2 | 93.6 | 91.2 | 90.0 | 90.0 |
| 22.5° | 130.3 | 117.3 | 106.6 | 99.5 | 93.6 | 88.9 | 84.1 | 82.9 | 81.8 | 81.8 |
| 25° | 119.7 | 107.8 | 98.3 | 91.2 | 84.1 | 80.6 | 77.0 | 74.6 | 74.6 | 73.5 |
| 27.5° | 111.4 | 99.5 | 90.0 | 82.9 | 78.2 | 73.5 | 71.1 | 68.7 | 67.5 | 67.5 |
| 30° | 101.9 | 91.2 | 82.9 | 77.0 | 71.1 | 67.5 | 65.2 | 62.8 | 62.8 | 62.8 |
| 31° | 99.5 | 88.9 | 80.6 | 73.5 | 68.7 | 65.2 | 62.8 | 61.6 | 60.4 | 60.4 |
| 32.5° | 93.6 | 84.1 | 75.8 | 69.9 | 65.2 | 61.6 | 59.2 | 58.1 | 58.1 | 56.9 |
| 35° | 86.5 | 77.0 | 69.9 | 64.0 | 60.4 | 56.9 | 54.5 | 53.3 | 53.3 | 53.3 |
| 37.5° | 79.4 | 71.1 | 64.0 | 59.2 | 55.7 | 52.1 | 50.9 | 48.6 | 48.6 | 48.6 |
| 40° | 72.3 | 65.2 | 59.2 | 54.5 | 50.9 | 48.6 | 47.4 | 46.2 | 45.0 | 45.0 |
| 42.5° | 66.3 | 59.2 | 54.5 | 50.9 | 47.4 | 45.0 | 43.8 | 42.7 | 42.7 | 41.5 |
| 45° | 60.4 | 54.5 | 50.9 | 47.4 | 43.8 | 42.7 | 41.5 | 40.3 | 39.1 | 39.1 |
| 47.5° | 55.7 | 50.9 | 46.2 | 43.8 | 41.5 | 39.1 | 37.9 | 37.9 | 36.7 | 36.7 |
| 50° | 50.9 | 46.2 | 42.7 | 40.3 | 37.9 | 36.7 | 35.5 | 35.5 | 34.4 | 34.4 |
| 52.5° | 47.4 | 42.7 | 40.3 | 37.9 | 35.5 | 34.4 | 33.2 | 33.2 | 32.0 | 32.0 |
| 55° | 42.7 | 39.1 | 36.7 | 35.5 | 33.2 | 32.0 | 30.8 | 29.6 | 29.6 | 30.8 |
| 57.5° | 39.1 | 36.7 | 34.4 | 33.2 | 30.8 | 29.6 | 28.4 | 28.4 | 27.3 | 28.4 |
| 60° | 35.5 | 33.2 | 30.8 | 29.6 | 28.4 | 27.3 | 26.1 | 24.9 | 24.9 | 24.9 |
| 62.5° | 32.0 | 29.6 | 28.4 | 26.1 | 24.9 | 24.9 | 23.7 | 23.7 | 23.7 | 22.5 |
| 65° | 27.3 | 26.1 | 24.9 | 23.7 | 22.5 | 21.3 | 21.3 | 20.1 | 20.1 | 20.1 |
| 67.5° | 22.5 | 21.3 | 20.1 | 20.1 | 19.0 | 17.8 | 17.8 | 17.8 | 17.8 | 16.6 |
| 70° | 17.8 | 16.6 | 16.6 | 15.4 | 15.4 | 15.4 | 14.2 | 14.2 | 14.2 | 14.2 |
| 72.5° | 13.0 | 13.0 | 11.8 | 11.8 | 11.8 | 11.8 | 10.7 | 10.7 | 10.7 | 10.7 |
| 75° | 9.5 | 9.5 | 9.5 | 8.3 | 8.3 | 8.3 | 7.1 | 7.1 | 7.1 | 7.1 |
| 77.5° | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| 80° | 3.6 | 3.6 | 3.6 | 3.6 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 1.2 |
| 82.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 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)