

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: P3ART13R70W2N902750DE010 E3LCWW1H_3500K

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: P3ART13R70W2N902750DE010 E3LCWW1H_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3500K CCT AND, 90CRI ,
E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

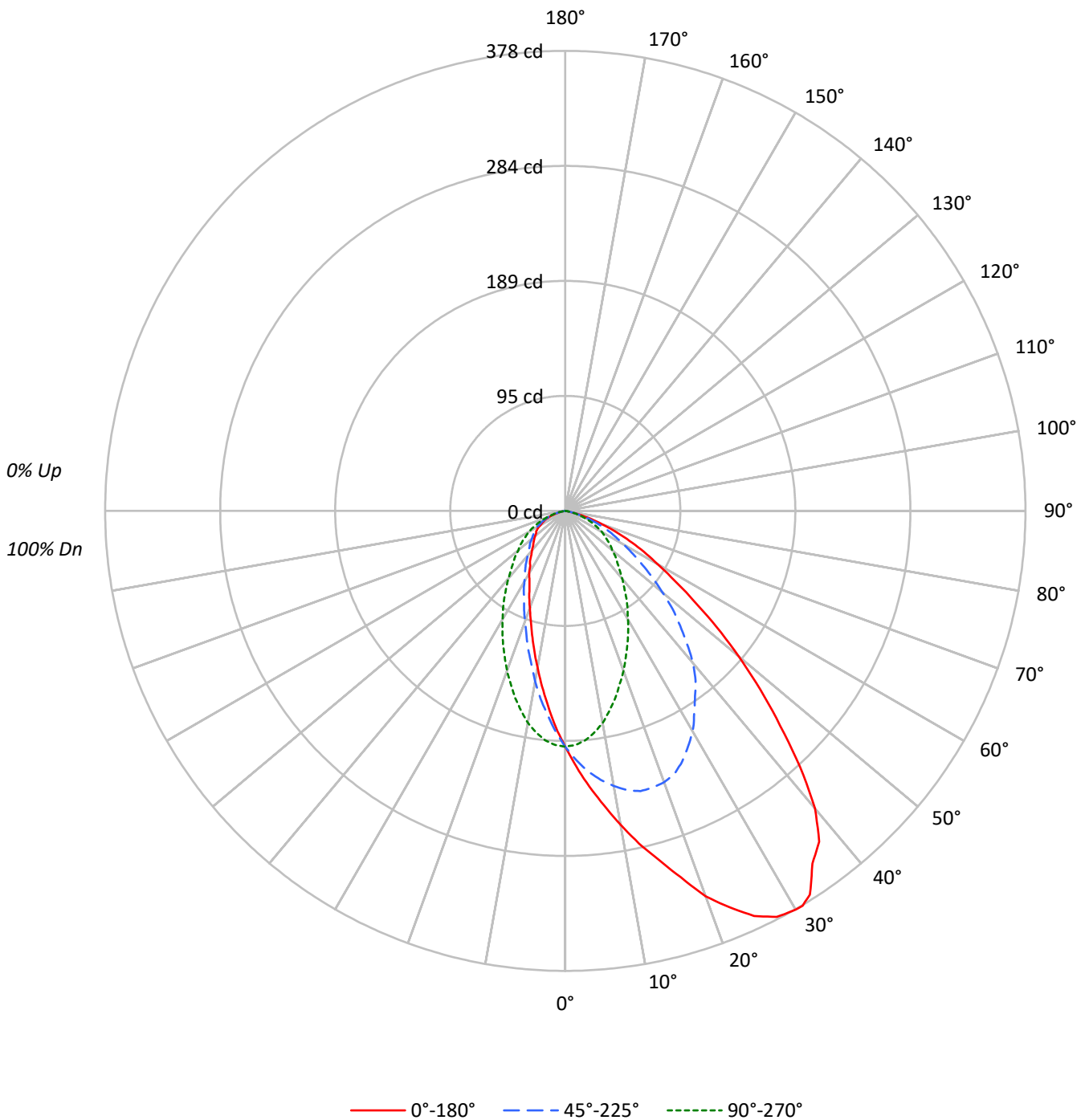
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 394.0 lumens
Efficiency: N/A
Efficacy: 32.0 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): 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: P#
CATALOG NUMBER: P3ART13R70W2N902750DE010 E3LCWW1H_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART13R70W2N902750DE010 E3LCWW1H_3500K

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 | 100 | | | 100 | |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | | 88 | |
| 2 | 102 | 95 | 90 | 85 | 100 | 93 | 88 | 84 | 90 | 86 | 82 | 87 | 83 | 80 | 84 | 81 | 78 | 76 | | | 76 | |
| 3 | 94 | 85 | 78 | 72 | 92 | 84 | 77 | 72 | 81 | 75 | 71 | 78 | 73 | 69 | 76 | 72 | 68 | 66 | | | 66 | |
| 4 | 87 | 77 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 69 | 64 | 60 | 58 | | | 58 | |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 59 | 54 | 64 | 58 | 54 | 62 | 57 | 53 | 51 | | | 51 | |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 54 | 49 | 60 | 53 | 48 | 59 | 53 | 48 | 57 | 52 | 47 | 46 | | | 46 | |
| 7 | 70 | 57 | 49 | 44 | 68 | 57 | 49 | 44 | 55 | 48 | 43 | 54 | 48 | 43 | 52 | 47 | 43 | 41 | | | 41 | |
| 8 | 65 | 53 | 45 | 39 | 64 | 52 | 45 | 39 | 51 | 44 | 39 | 50 | 43 | 39 | 48 | 43 | 39 | 37 | | | 37 | |
| 9 | 61 | 49 | 41 | 36 | 60 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 35 | 45 | 39 | 35 | 34 | | | 34 | |
| 10 | 57 | 45 | 38 | 33 | 56 | 45 | 37 | 33 | 44 | 37 | 33 | 43 | 37 | 32 | 42 | 36 | 32 | 31 | | | 31 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 42475 | 42475 | 42475 | 42475 | 42475 |
| 5° | 50033 | 47303 | 41646 | 36958 | 35483 |
| 10° | 58338 | 51101 | 39389 | 31663 | 29169 |
| 15° | 67356 | 54121 | 36096 | 26674 | 23882 |
| 20° | 78640 | 55375 | 32646 | 22472 | 19858 |
| 25° | 88844 | 54995 | 29252 | 19235 | 16791 |
| 30° | 95812 | 52995 | 26080 | 17015 | 15015 |
| 35° | 94710 | 49737 | 23370 | 15285 | 13492 |
| 40° | 91314 | 46773 | 20839 | 13769 | 12166 |
| 45° | 77403 | 41307 | 18762 | 12839 | 11443 |
| 50° | 63384 | 35513 | 17193 | 12213 | 11087 |
| 55° | 49203 | 29514 | 16248 | 11966 | 11125 |
| 60° | 38286 | 24559 | 15218 | 11797 | 10306 |
| 65° | 30198 | 20339 | 13335 | 11052 | 9858 |
| 70° | 20837 | 15067 | 10771 | 9361 | 8591 |
| 75° | 10421 | 8557 | 7625 | 6608 | 5676 |
| 80° | 1389 | 2778 | 4293 | 2778 | 1389 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 77403 cd/sqm



TEST NUMBER: P#

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 18.1 | 4.6 |
| 10°-20° | 50.5 | 12.8 |
| 20°-30° | 74.4 | 18.9 |
| 30°-40° | 83.4 | 21.2 |
| 40°-50° | 73.3 | 18.6 |
| 50°-60° | 52.4 | 13.3 |
| 60°-70° | 31.1 | 7.9 |
| 70°-80° | 10.4 | 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° | 142.9 | 36.3 |
| 0°-40° | 226.3 | 57.4 |
| 0°-60° | 352.0 | 89.3 |
| 0°-90° | 394.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 394.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 194 | 194 | 194 | 194 | 194 | |
| 5° | 227 | 215 | 189 | 168 | 161 | 23 |
| 15° | 297 | 238 | 159 | 118 | 105 | 86 |
| 25° | 367 | 227 | 121 | 80 | 69 | 169 |
| 35° | 354 | 186 | 87 | 57 | 50 | 222 |
| 45° | 250 | 133 | 60 | 41 | 37 | 193 |
| 55° | 129 | 77 | 42 | 31 | 29 | 118 |
| 65° | 58 | 39 | 26 | 21 | 19 | 58 |
| 75° | 12 | 10 | 9 | 8 | 7 | 15 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART13R70W2N902750DE010 E3LCWW1H_3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 193.7 | 193.7 | 193.7 | 193.7 | 193.7 | 193.7 | 193.7 | 193.7 | 193.7 | 193.7 | 193.7 |
| 2.5° | 210.5 | 210.5 | 210.5 | 208.2 | 208.2 | 204.9 | 202.6 | 199.3 | 197.0 | 193.7 | 192.5 |
| 5° | 227.3 | 227.3 | 225.0 | 222.8 | 219.4 | 214.9 | 209.3 | 203.7 | 197.0 | 191.4 | 189.2 |
| 7.5° | 244.0 | 245.2 | 241.8 | 237.3 | 230.6 | 222.8 | 214.9 | 206.0 | 195.9 | 188.1 | 183.6 |
| 10° | 262.0 | 262.0 | 257.5 | 250.8 | 240.7 | 229.5 | 217.2 | 204.9 | 192.5 | 181.4 | 176.9 |
| 12.5° | 279.9 | 278.7 | 273.1 | 263.1 | 250.8 | 235.1 | 218.3 | 202.6 | 188.1 | 174.6 | 167.9 |
| 15° | 296.7 | 296.7 | 288.8 | 276.5 | 258.6 | 238.4 | 218.3 | 198.1 | 181.4 | 165.7 | 159.0 |
| 17.5° | 315.7 | 315.7 | 305.6 | 286.6 | 264.2 | 238.4 | 214.9 | 192.5 | 173.5 | 156.7 | 148.9 |
| 20° | 337.0 | 335.8 | 321.3 | 295.5 | 266.4 | 237.3 | 210.5 | 185.8 | 164.6 | 146.6 | 139.9 |
| 22.5° | 352.6 | 351.5 | 334.7 | 303.4 | 267.6 | 234.0 | 202.6 | 176.9 | 155.6 | 137.7 | 129.9 |
| 25° | 367.2 | 364.9 | 345.9 | 306.7 | 265.3 | 227.3 | 194.8 | 166.8 | 146.6 | 128.7 | 120.9 |
| 27.5° | 376.1 | 375.0 | 353.8 | 305.6 | 259.7 | 218.3 | 184.7 | 157.8 | 136.6 | 118.7 | 111.9 |
| 30° | 378.4 | 379.5 | 353.8 | 300.0 | 250.8 | 209.3 | 174.6 | 147.8 | 126.5 | 110.8 | 103.0 |
| 31° | 378.4 | 379.5 | 351.5 | 296.7 | 247.4 | 204.9 | 170.2 | 144.4 | 122.0 | 106.3 | 99.6 |
| 32.5° | 373.9 | 371.7 | 348.2 | 291.1 | 239.6 | 197.0 | 164.6 | 138.8 | 116.4 | 100.8 | 95.2 |
| 35° | 353.8 | 354.9 | 337.0 | 278.7 | 228.4 | 185.8 | 153.4 | 127.6 | 106.3 | 92.9 | 87.3 |
| 37.5° | 342.6 | 342.6 | 310.1 | 262.0 | 216.1 | 175.8 | 139.9 | 115.3 | 97.4 | 85.1 | 79.5 |
| 40° | 319.0 | 315.7 | 285.5 | 244.0 | 201.5 | 163.4 | 132.1 | 107.5 | 89.6 | 77.2 | 72.8 |
| 42.5° | 285.5 | 282.1 | 258.6 | 228.4 | 182.5 | 147.8 | 125.4 | 95.2 | 80.6 | 70.5 | 66.0 |
| 45° | 249.6 | 247.4 | 229.5 | 201.5 | 164.6 | 133.2 | 108.6 | 87.3 | 73.9 | 63.8 | 60.5 |
| 47.5° | 217.2 | 213.8 | 200.4 | 179.1 | 148.9 | 119.8 | 94.0 | 78.4 | 66.0 | 58.2 | 56.0 |
| 50° | 185.8 | 184.7 | 173.5 | 156.7 | 132.1 | 104.1 | 82.8 | 69.4 | 60.5 | 53.7 | 50.4 |
| 52.5° | 156.7 | 154.5 | 148.9 | 135.5 | 115.3 | 90.7 | 72.8 | 61.6 | 53.7 | 49.3 | 47.0 |
| 55° | 128.7 | 128.7 | 123.1 | 114.2 | 98.5 | 77.2 | 63.8 | 54.9 | 48.1 | 44.8 | 42.5 |
| 57.5° | 106.3 | 106.3 | 101.9 | 96.3 | 81.7 | 66.0 | 56.0 | 48.1 | 43.7 | 40.3 | 38.1 |
| 60° | 87.3 | 87.3 | 84.0 | 78.4 | 68.3 | 56.0 | 48.1 | 42.5 | 39.2 | 35.8 | 34.7 |
| 62.5° | 72.8 | 71.6 | 69.4 | 63.8 | 56.0 | 47.0 | 41.4 | 36.9 | 33.6 | 31.3 | 30.2 |
| 65° | 58.2 | 57.1 | 54.9 | 50.4 | 44.8 | 39.2 | 34.7 | 31.3 | 29.1 | 26.9 | 25.7 |
| 67.5° | 44.8 | 44.8 | 42.5 | 39.2 | 34.7 | 31.3 | 28.0 | 25.7 | 23.5 | 22.4 | 21.3 |
| 70° | 32.5 | 32.5 | 31.3 | 29.1 | 25.7 | 23.5 | 21.3 | 20.2 | 19.0 | 17.9 | 16.8 |
| 72.5° | 22.4 | 22.4 | 21.3 | 20.2 | 17.9 | 16.8 | 14.6 | 14.6 | 13.4 | 13.4 | 12.3 |
| 75° | 12.3 | 12.3 | 12.3 | 11.2 | 11.2 | 10.1 | 10.1 | 10.1 | 9.0 | 9.0 | 9.0 |
| 77.5° | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 |
| 80° | 1.1 | 1.1 | 1.1 | 1.1 | 2.2 | 2.2 | 2.2 | 2.2 | 3.4 | 3.4 | 3.4 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 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: P3ART13R70W2N902750DE010 E3LCWW1H_3500K

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 193.7 | 193.7 | 193.7 | 193.7 | 193.7 | 193.7 | 193.7 | 193.7 | 193.7 | 193.7 |
| 2.5° | 191.4 | 188.1 | 185.8 | 184.7 | 181.4 | 180.2 | 179.1 | 178.0 | 178.0 | 178.0 |
| 5° | 187.0 | 181.4 | 175.8 | 172.4 | 167.9 | 165.7 | 163.4 | 162.3 | 161.2 | 161.2 |
| 7.5° | 179.1 | 172.4 | 165.7 | 160.1 | 155.6 | 151.1 | 148.9 | 146.6 | 146.6 | 145.5 |
| 10° | 171.3 | 162.3 | 154.5 | 146.6 | 142.2 | 136.6 | 134.3 | 132.1 | 131.0 | 131.0 |
| 12.5° | 162.3 | 151.1 | 142.2 | 135.5 | 128.7 | 124.3 | 120.9 | 118.7 | 117.5 | 117.5 |
| 15° | 152.2 | 141.1 | 131.0 | 124.3 | 117.5 | 111.9 | 108.6 | 106.3 | 105.2 | 105.2 |
| 17.5° | 142.2 | 131.0 | 119.8 | 113.1 | 106.3 | 100.8 | 98.5 | 96.3 | 95.2 | 94.0 |
| 20° | 133.2 | 119.8 | 110.8 | 101.9 | 96.3 | 91.8 | 88.4 | 86.2 | 85.1 | 85.1 |
| 22.5° | 123.1 | 110.8 | 100.8 | 94.0 | 88.4 | 84.0 | 79.5 | 78.4 | 77.2 | 77.2 |
| 25° | 113.1 | 101.9 | 92.9 | 86.2 | 79.5 | 76.1 | 72.8 | 70.5 | 70.5 | 69.4 |
| 27.5° | 105.2 | 94.0 | 85.1 | 78.4 | 73.9 | 69.4 | 67.2 | 64.9 | 63.8 | 63.8 |
| 30° | 96.3 | 86.2 | 78.4 | 72.8 | 67.2 | 63.8 | 61.6 | 59.3 | 59.3 | 59.3 |
| 31° | 94.0 | 84.0 | 76.1 | 69.4 | 64.9 | 61.6 | 59.3 | 58.2 | 57.1 | 57.1 |
| 32.5° | 88.4 | 79.5 | 71.6 | 66.0 | 61.6 | 58.2 | 56.0 | 54.9 | 54.9 | 53.7 |
| 35° | 81.7 | 72.8 | 66.0 | 60.5 | 57.1 | 53.7 | 51.5 | 50.4 | 50.4 | 50.4 |
| 37.5° | 75.0 | 67.2 | 60.5 | 56.0 | 52.6 | 49.3 | 48.1 | 45.9 | 45.9 | 45.9 |
| 40° | 68.3 | 61.6 | 56.0 | 51.5 | 48.1 | 45.9 | 44.8 | 43.7 | 42.5 | 42.5 |
| 42.5° | 62.7 | 56.0 | 51.5 | 48.1 | 44.8 | 42.5 | 41.4 | 40.3 | 40.3 | 39.2 |
| 45° | 57.1 | 51.5 | 48.1 | 44.8 | 41.4 | 40.3 | 39.2 | 38.1 | 36.9 | 36.9 |
| 47.5° | 52.6 | 48.1 | 43.7 | 41.4 | 39.2 | 36.9 | 35.8 | 35.8 | 34.7 | 34.7 |
| 50° | 48.1 | 43.7 | 40.3 | 38.1 | 35.8 | 34.7 | 33.6 | 33.6 | 32.5 | 32.5 |
| 52.5° | 44.8 | 40.3 | 38.1 | 35.8 | 33.6 | 32.5 | 31.3 | 31.3 | 30.2 | 30.2 |
| 55° | 40.3 | 36.9 | 34.7 | 33.6 | 31.3 | 30.2 | 29.1 | 28.0 | 28.0 | 29.1 |
| 57.5° | 36.9 | 34.7 | 32.5 | 31.3 | 29.1 | 28.0 | 26.9 | 26.9 | 25.7 | 26.9 |
| 60° | 33.6 | 31.3 | 29.1 | 28.0 | 26.9 | 25.7 | 24.6 | 23.5 | 23.5 | 23.5 |
| 62.5° | 30.2 | 28.0 | 26.9 | 24.6 | 23.5 | 23.5 | 22.4 | 22.4 | 22.4 | 21.3 |
| 65° | 25.7 | 24.6 | 23.5 | 22.4 | 21.3 | 20.2 | 20.2 | 19.0 | 19.0 | 19.0 |
| 67.5° | 21.3 | 20.2 | 19.0 | 19.0 | 17.9 | 16.8 | 16.8 | 16.8 | 16.8 | 15.7 |
| 70° | 16.8 | 15.7 | 15.7 | 14.6 | 14.6 | 14.6 | 13.4 | 13.4 | 13.4 | 13.4 |
| 72.5° | 12.3 | 12.3 | 11.2 | 11.2 | 11.2 | 11.2 | 10.1 | 10.1 | 10.1 | 10.1 |
| 75° | 9.0 | 9.0 | 9.0 | 7.8 | 7.8 | 7.8 | 6.7 | 6.7 | 6.7 | 6.7 |
| 77.5° | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| 80° | 3.4 | 3.4 | 3.4 | 3.4 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 1.1 |
| 82.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 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)