

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: P1446055

Luminaire Tested: P3ART13R709040DE010 E3CLSWW1MB

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446055
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: P3ART13R709040DE010 E3CLSWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3CLSWW1MB TRIM
Light Source: -
Ballast/Driver: -

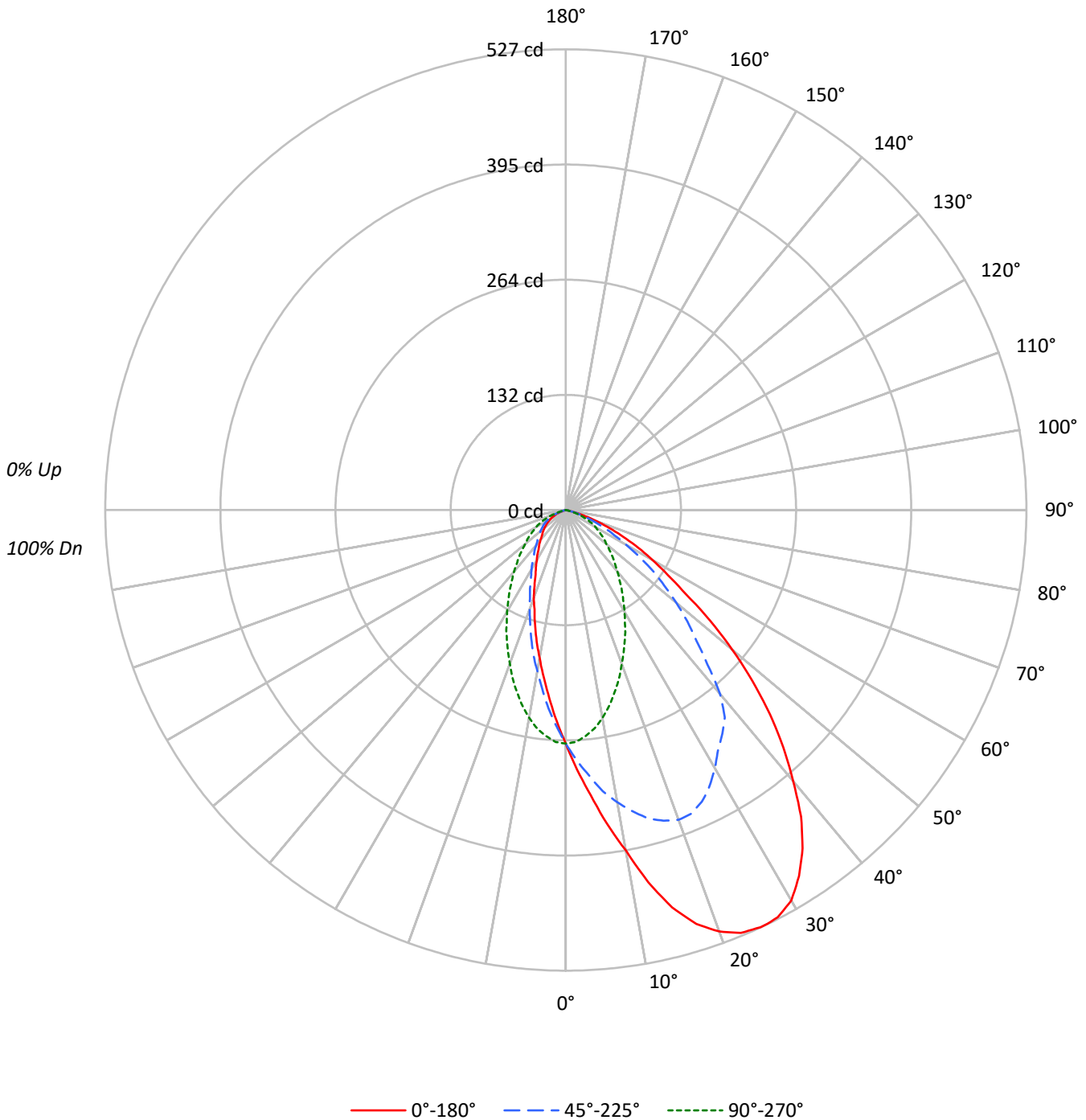
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 532.0 lumens
Efficiency: N/A
Efficacy: 36.4 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): 14.6
Input Voltage (V): NR
Input Current (A_{in}): 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





TEST NUMBER: P1446055

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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 | |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 96 | 97 | 95 | 94 | 94 | 92 | 91 | 89 |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 85 | 81 | 85 | 82 | 80 | 78 |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 68 |
| 4 | 88 | 78 | 70 | 65 | 86 | 77 | 70 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 60 |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 62 | 57 | 68 | 61 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 53 |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 51 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 47 |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 39 |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 |
| 10 | 59 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|-------|-------|-------|
| 0° | 58570 | 58570 | 58570 | 58570 | 58570 |
| 5° | 72067 | 67092 | 57121 | 50143 | 47502 |
| 10° | 88019 | 75594 | 53751 | 41660 | 38298 |
| 15° | 106879 | 82906 | 48990 | 34597 | 30829 |
| 20° | 119710 | 88021 | 43660 | 28166 | 24992 |
| 25° | 127411 | 89086 | 38688 | 23372 | 19719 |
| 30° | 130653 | 86342 | 34005 | 19876 | 16813 |
| 35° | 126431 | 83600 | 29901 | 16972 | 14536 |
| 40° | 115760 | 78604 | 26335 | 15114 | 12967 |
| 45° | 102460 | 65495 | 23382 | 14048 | 11691 |
| 50° | 84944 | 56118 | 20605 | 12861 | 10814 |
| 55° | 64036 | 46718 | 19039 | 12119 | 9825 |
| 60° | 50303 | 35085 | 17192 | 11271 | 8596 |
| 65° | 37566 | 25839 | 14891 | 9391 | 7057 |
| 70° | 24171 | 16477 | 10643 | 6796 | 3847 |
| 75° | 10252 | 8981 | 5083 | 2542 | 1271 |
| 80° | 1894 | 1894 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 102460 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 25.3 | 4.8 |
| 10°-20° | 72.9 | 13.7 |
| 20°-30° | 106.6 | 20.0 |
| 30°-40° | 116.2 | 21.8 |
| 40°-50° | 100.5 | 18.9 |
| 50°-60° | 67.3 | 12.7 |
| 60°-70° | 34.8 | 6.5 |
| 70°-80° | 8.2 | 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° | 204.9 | 38.5 |
| 0°-40° | 321.0 | 60.3 |
| 0°-60° | 488.9 | 91.9 |
| 0°-90° | 532.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 532.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 267 | 267 | 267 | 267 | 267 | |
| 5° | 327 | 305 | 260 | 228 | 216 | 33 |
| 15° | 471 | 365 | 216 | 152 | 136 | 133 |
| 25° | 527 | 368 | 160 | 97 | 82 | 242 |
| 35° | 472 | 312 | 112 | 63 | 54 | 292 |
| 45° | 330 | 211 | 75 | 45 | 38 | 253 |
| 55° | 168 | 122 | 50 | 32 | 26 | 155 |
| 65° | 72 | 50 | 29 | 18 | 14 | 73 |
| 75° | 12 | 11 | 6 | 3 | 2 | 16 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1446055

CATALOG NUMBER: P3ART13R709040DE010 E3CLSWW1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 267.1 | 267.1 | 267.1 | 267.1 | 267.1 | 267.1 | 267.1 | 267.1 | 267.1 | 267.1 | 267.1 |
| 2.5° | 297.3 | 295.7 | 295.7 | 292.7 | 289.7 | 286.7 | 282.2 | 277.6 | 273.1 | 268.6 | 265.6 |
| 5° | 327.4 | 328.9 | 327.4 | 321.4 | 313.8 | 304.8 | 295.7 | 285.2 | 274.6 | 265.6 | 259.5 |
| 7.5° | 362.1 | 362.1 | 357.6 | 350.1 | 339.5 | 324.4 | 309.3 | 291.2 | 274.6 | 259.5 | 252.0 |
| 10° | 395.3 | 395.3 | 387.8 | 375.7 | 359.1 | 339.5 | 318.4 | 294.2 | 271.6 | 250.5 | 241.4 |
| 12.5° | 436.1 | 434.6 | 425.5 | 405.9 | 381.7 | 353.1 | 324.4 | 294.2 | 267.1 | 241.4 | 229.4 |
| 15° | 470.8 | 469.3 | 457.2 | 433.1 | 401.4 | 365.2 | 325.9 | 291.2 | 258.0 | 229.4 | 215.8 |
| 17.5° | 496.4 | 493.4 | 479.8 | 454.2 | 418.0 | 372.7 | 327.4 | 285.2 | 247.5 | 215.8 | 202.2 |
| 20° | 513.0 | 511.5 | 496.4 | 466.2 | 427.0 | 377.2 | 325.9 | 277.6 | 236.9 | 202.2 | 187.1 |
| 22.5° | 523.6 | 520.6 | 505.5 | 472.3 | 427.0 | 375.7 | 319.9 | 267.1 | 223.3 | 188.6 | 173.5 |
| 25° | 526.6 | 525.1 | 507.0 | 470.8 | 422.5 | 368.2 | 310.8 | 256.5 | 209.7 | 175.0 | 159.9 |
| 26° | 526.6 | 525.1 | 507.0 | 469.3 | 419.5 | 363.6 | 306.3 | 252.0 | 205.2 | 169.0 | 155.4 |
| 27.5° | 525.1 | 523.6 | 504.0 | 464.7 | 413.4 | 356.1 | 297.3 | 242.9 | 196.2 | 161.5 | 146.4 |
| 30° | 516.0 | 513.0 | 493.4 | 454.2 | 399.9 | 341.0 | 282.2 | 229.4 | 182.6 | 147.9 | 134.3 |
| 32.5° | 496.4 | 493.4 | 472.3 | 436.1 | 384.8 | 324.4 | 265.6 | 214.3 | 169.0 | 134.3 | 122.2 |
| 35° | 472.3 | 469.3 | 448.1 | 413.4 | 363.6 | 312.3 | 247.5 | 197.7 | 153.9 | 123.7 | 111.7 |
| 37.5° | 442.1 | 437.6 | 419.5 | 383.3 | 338.0 | 298.8 | 232.4 | 181.1 | 140.3 | 111.7 | 101.1 |
| 40° | 404.4 | 402.9 | 386.3 | 353.1 | 307.8 | 274.6 | 223.3 | 181.1 | 128.3 | 101.1 | 92.0 |
| 42.5° | 368.2 | 365.2 | 350.1 | 321.4 | 280.7 | 239.9 | 196.2 | 173.5 | 119.2 | 90.5 | 83.0 |
| 45° | 330.4 | 327.4 | 313.8 | 289.7 | 252.0 | 211.2 | 211.2 | 149.4 | 102.6 | 83.0 | 75.4 |
| 47.5° | 289.7 | 286.7 | 276.1 | 258.0 | 224.8 | 188.6 | 153.9 | 122.2 | 93.6 | 73.9 | 67.9 |
| 50° | 249.0 | 250.5 | 241.4 | 223.3 | 197.7 | 164.5 | 132.8 | 102.6 | 80.0 | 66.4 | 60.4 |
| 52.5° | 208.2 | 206.7 | 200.7 | 188.6 | 170.5 | 141.8 | 113.2 | 87.5 | 69.4 | 58.8 | 55.8 |
| 55° | 167.5 | 169.0 | 166.0 | 158.4 | 143.3 | 122.2 | 95.1 | 75.4 | 61.9 | 52.8 | 49.8 |
| 57.5° | 138.8 | 140.3 | 134.3 | 129.8 | 117.7 | 99.6 | 78.5 | 63.4 | 52.8 | 46.8 | 43.8 |
| 60° | 114.7 | 116.2 | 111.7 | 105.6 | 96.6 | 80.0 | 63.4 | 52.8 | 46.8 | 42.2 | 39.2 |
| 62.5° | 93.6 | 92.0 | 89.0 | 83.0 | 75.4 | 63.4 | 51.3 | 43.8 | 39.2 | 36.2 | 34.7 |
| 65° | 72.4 | 72.4 | 69.4 | 64.9 | 58.8 | 49.8 | 40.7 | 36.2 | 33.2 | 30.2 | 28.7 |
| 67.5° | 54.3 | 54.3 | 51.3 | 48.3 | 42.2 | 36.2 | 31.7 | 28.7 | 27.2 | 24.1 | 22.6 |
| 70° | 37.7 | 37.7 | 36.2 | 34.7 | 30.2 | 25.7 | 24.1 | 21.1 | 19.6 | 18.1 | 16.6 |
| 72.5° | 24.1 | 24.1 | 24.1 | 21.1 | 19.6 | 16.6 | 16.6 | 15.1 | 13.6 | 12.1 | 12.1 |
| 75° | 12.1 | 13.6 | 12.1 | 12.1 | 10.6 | 10.6 | 9.1 | 9.1 | 7.5 | 7.5 | 6.0 |
| 77.5° | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 80° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 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: P1446055

CATALOG NUMBER: P3ART13R709040DE010 E3CLSWW1MB

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 267.1 | 267.1 | 267.1 | 267.1 | 267.1 | 267.1 | 267.1 | 267.1 | 267.1 | 267.1 |
| 2.5° | 262.5 | 258.0 | 255.0 | 250.5 | 247.5 | 244.4 | 242.9 | 241.4 | 241.4 | 241.4 |
| 5° | 255.0 | 247.5 | 239.9 | 232.4 | 227.8 | 223.3 | 218.8 | 217.3 | 215.8 | 215.8 |
| 7.5° | 245.9 | 233.9 | 223.3 | 214.3 | 206.7 | 202.2 | 197.7 | 194.6 | 193.1 | 193.1 |
| 10° | 233.9 | 218.8 | 206.7 | 194.6 | 187.1 | 181.1 | 178.0 | 173.5 | 173.5 | 172.0 |
| 12.5° | 220.3 | 202.2 | 188.6 | 178.0 | 170.5 | 163.0 | 158.4 | 155.4 | 153.9 | 153.9 |
| 15° | 205.2 | 187.1 | 172.0 | 159.9 | 152.4 | 144.9 | 140.3 | 137.3 | 135.8 | 135.8 |
| 17.5° | 190.1 | 170.5 | 155.4 | 143.3 | 135.8 | 128.3 | 123.7 | 120.7 | 120.7 | 119.2 |
| 20° | 175.0 | 155.4 | 140.3 | 128.3 | 120.7 | 114.7 | 110.1 | 107.1 | 105.6 | 107.1 |
| 22.5° | 161.5 | 141.8 | 126.7 | 116.2 | 107.1 | 101.1 | 96.6 | 95.1 | 93.6 | 93.6 |
| 25° | 146.4 | 128.3 | 114.7 | 104.1 | 96.6 | 90.5 | 86.0 | 84.5 | 83.0 | 81.5 |
| 26° | 141.8 | 123.7 | 110.1 | 99.6 | 92.0 | 86.0 | 83.0 | 80.0 | 78.5 | 78.5 |
| 27.5° | 135.8 | 116.2 | 104.1 | 93.6 | 86.0 | 81.5 | 77.0 | 75.4 | 73.9 | 73.9 |
| 30° | 122.2 | 105.6 | 93.6 | 84.5 | 78.5 | 72.4 | 69.4 | 67.9 | 66.4 | 66.4 |
| 32.5° | 111.7 | 95.1 | 84.5 | 77.0 | 70.9 | 66.4 | 63.4 | 60.4 | 60.4 | 60.4 |
| 35° | 101.1 | 86.0 | 77.0 | 69.4 | 63.4 | 58.8 | 57.3 | 55.8 | 54.3 | 54.3 |
| 37.5° | 92.0 | 78.5 | 69.4 | 63.4 | 58.8 | 54.3 | 51.3 | 49.8 | 49.8 | 49.8 |
| 40° | 83.0 | 72.4 | 63.4 | 57.3 | 52.8 | 49.8 | 46.8 | 45.3 | 45.3 | 45.3 |
| 42.5° | 75.4 | 64.9 | 58.8 | 52.8 | 48.3 | 45.3 | 43.8 | 42.2 | 40.7 | 40.7 |
| 45° | 69.4 | 60.4 | 52.8 | 48.3 | 45.3 | 42.2 | 39.2 | 37.7 | 37.7 | 37.7 |
| 47.5° | 61.9 | 55.8 | 48.3 | 43.8 | 40.7 | 37.7 | 36.2 | 34.7 | 34.7 | 34.7 |
| 50° | 57.3 | 51.3 | 45.3 | 40.7 | 37.7 | 34.7 | 33.2 | 31.7 | 31.7 | 31.7 |
| 52.5° | 51.3 | 46.8 | 42.2 | 37.7 | 34.7 | 31.7 | 30.2 | 28.7 | 28.7 | 28.7 |
| 55° | 46.8 | 42.2 | 37.7 | 34.7 | 31.7 | 28.7 | 27.2 | 25.7 | 25.7 | 25.7 |
| 57.5° | 42.2 | 37.7 | 34.7 | 31.7 | 28.7 | 27.2 | 24.1 | 24.1 | 22.6 | 22.6 |
| 60° | 37.7 | 33.2 | 30.2 | 28.7 | 25.7 | 24.1 | 21.1 | 19.6 | 19.6 | 19.6 |
| 62.5° | 31.7 | 30.2 | 27.2 | 24.1 | 21.1 | 19.6 | 18.1 | 16.6 | 16.6 | 16.6 |
| 65° | 27.2 | 25.7 | 22.6 | 19.6 | 18.1 | 16.6 | 15.1 | 13.6 | 13.6 | 13.6 |
| 67.5° | 22.6 | 19.6 | 18.1 | 16.6 | 15.1 | 13.6 | 12.1 | 10.6 | 9.1 | 10.6 |
| 70° | 16.6 | 15.1 | 13.6 | 12.1 | 10.6 | 9.1 | 7.5 | 7.5 | 6.0 | 6.0 |
| 72.5° | 10.6 | 9.1 | 9.1 | 7.5 | 6.0 | 6.0 | 4.5 | 4.5 | 3.0 | 3.0 |
| 75° | 6.0 | 6.0 | 4.5 | 4.5 | 3.0 | 3.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 77.5° | 3.0 | 1.5 | 1.5 | 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)