

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: P1446472

Luminaire Tested: P3ART17R709730DE010 E3CLSWW1MMS

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446472
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: P3ART17R709730DE010 E3CLSWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3CLSWW1MMS TRIM
Light Source: -
Ballast/Driver: -

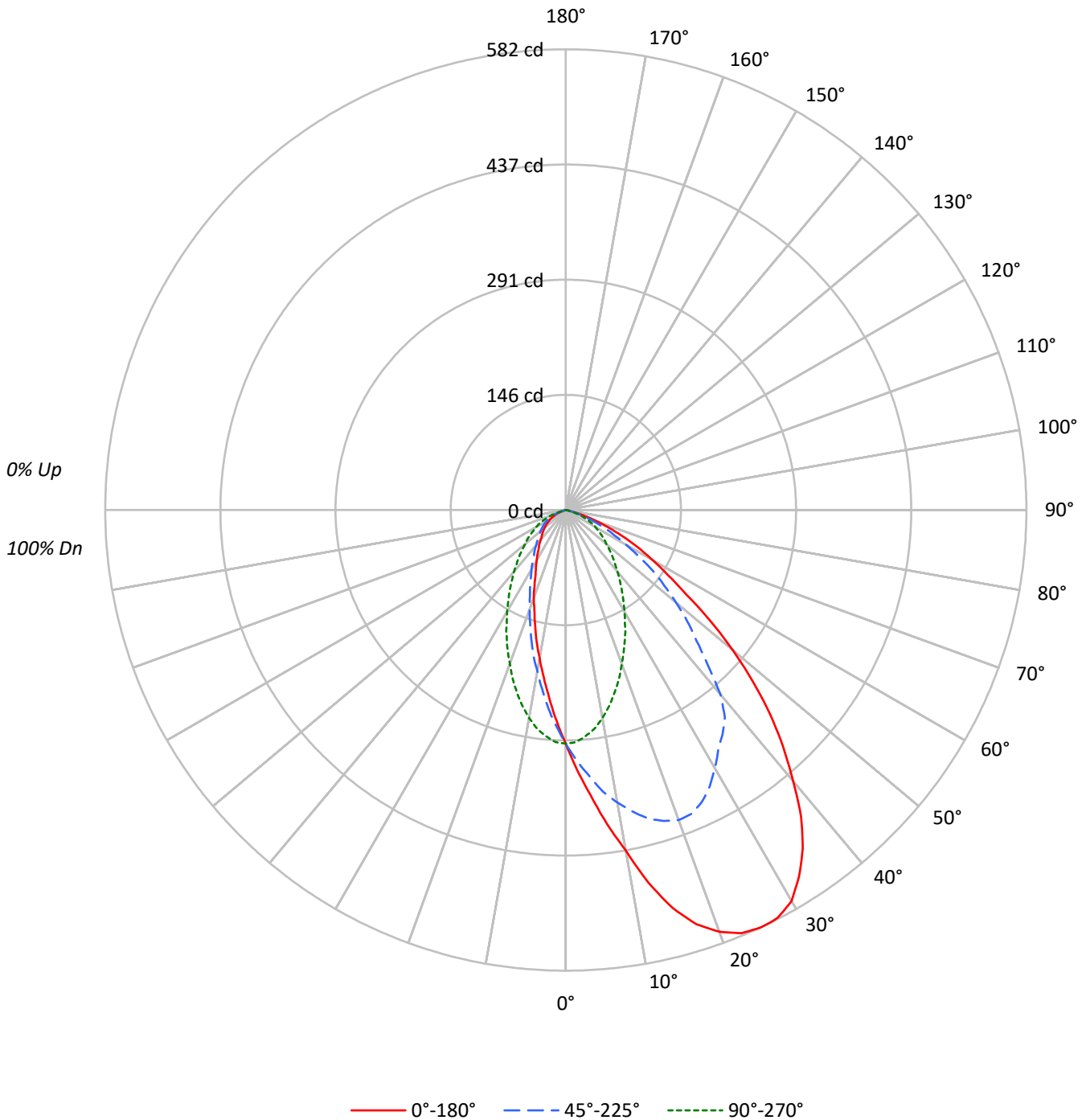
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 588.0 lumens
Efficiency: N/A
Efficacy: 27.7 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): 21.2
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: P1446472
CATALOG NUMBER: P3ART17R709730DE010 E3CLSWW1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1446472
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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° | 64732 | 64732 | 64732 | 64732 | 64732 |
| 5° | 79661 | 74158 | 63130 | 55426 | 52498 |
| 10° | 97282 | 83543 | 59407 | 46047 | 42328 |
| 15° | 118116 | 91624 | 54143 | 38230 | 34075 |
| 20° | 132312 | 97285 | 48258 | 31129 | 27629 |
| 25° | 140815 | 98449 | 42777 | 25816 | 21800 |
| 30° | 144427 | 95432 | 37575 | 21953 | 18585 |
| 35° | 139735 | 92407 | 33033 | 18738 | 16062 |
| 40° | 127925 | 86877 | 29112 | 16717 | 14313 |
| 45° | 113252 | 72411 | 25863 | 15505 | 12932 |
| 50° | 93882 | 62019 | 22754 | 14226 | 11940 |
| 55° | 70765 | 51649 | 21027 | 13381 | 10857 |
| 60° | 55566 | 38769 | 19034 | 12455 | 9517 |
| 65° | 41561 | 28537 | 16448 | 10377 | 7783 |
| 70° | 26735 | 18208 | 11733 | 7501 | 4296 |
| 75° | 11268 | 9913 | 5676 | 2796 | 1440 |
| 80° | 2147 | 2147 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 113252 cd/sqm



TEST NUMBER: P1446472

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 28.0 | 4.8 |
| 10°-20° | 80.6 | 13.7 |
| 20°-30° | 117.8 | 20.0 |
| 30°-40° | 128.4 | 21.8 |
| 40°-50° | 111.1 | 18.9 |
| 50°-60° | 74.4 | 12.7 |
| 60°-70° | 38.4 | 6.5 |
| 70°-80° | 9.1 | 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° | 226.4 | 38.5 |
| 0°-40° | 354.8 | 60.3 |
| 0°-60° | 540.4 | 91.9 |
| 0°-90° | 588.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 588.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 295 | 295 | 295 | 295 | 295 | |
| 5° | 362 | 337 | 287 | 252 | 238 | 37 |
| 15° | 520 | 404 | 238 | 168 | 150 | 147 |
| 25° | 582 | 407 | 177 | 107 | 90 | 267 |
| 35° | 522 | 345 | 123 | 70 | 60 | 323 |
| 45° | 365 | 234 | 83 | 50 | 42 | 280 |
| 55° | 185 | 135 | 55 | 35 | 28 | 171 |
| 65° | 80 | 55 | 32 | 20 | 15 | 81 |
| 75° | 13 | 12 | 7 | 3 | 2 | 17 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1446472
 CATALOG NUMBER: P3ART17R709730DE010 E3CLSWW1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 295.2 | 295.2 | 295.2 | 295.2 | 295.2 | 295.2 | 295.2 | 295.2 | 295.2 | 295.2 | 295.2 |
| 2.5° | 328.5 | 326.9 | 326.9 | 323.5 | 320.2 | 316.9 | 311.9 | 306.9 | 301.9 | 296.9 | 293.5 |
| 5° | 361.9 | 363.6 | 361.9 | 355.2 | 346.9 | 336.9 | 326.9 | 315.2 | 303.5 | 293.5 | 286.8 |
| 7.5° | 400.3 | 400.3 | 395.3 | 386.9 | 375.2 | 358.6 | 341.9 | 321.9 | 303.5 | 286.8 | 278.5 |
| 10° | 436.9 | 436.9 | 428.6 | 415.3 | 396.9 | 375.2 | 351.9 | 325.2 | 300.2 | 276.8 | 266.8 |
| 12.5° | 482.0 | 480.3 | 470.3 | 448.6 | 421.9 | 390.2 | 358.6 | 325.2 | 295.2 | 266.8 | 253.5 |
| 15° | 520.3 | 518.7 | 505.3 | 478.6 | 443.6 | 403.6 | 360.2 | 321.9 | 285.2 | 253.5 | 238.5 |
| 17.5° | 548.7 | 545.3 | 530.3 | 502.0 | 462.0 | 411.9 | 361.9 | 315.2 | 273.5 | 238.5 | 223.5 |
| 20° | 567.0 | 565.4 | 548.7 | 515.3 | 472.0 | 416.9 | 360.2 | 306.9 | 261.8 | 223.5 | 206.8 |
| 22.5° | 578.7 | 575.4 | 558.7 | 522.0 | 472.0 | 415.3 | 353.6 | 295.2 | 246.8 | 208.5 | 191.8 |
| 25° | 582.0 | 580.4 | 560.4 | 520.3 | 467.0 | 406.9 | 343.6 | 283.5 | 231.8 | 193.5 | 176.8 |
| 26° | 582.0 | 580.4 | 560.4 | 518.7 | 463.6 | 401.9 | 338.5 | 278.5 | 226.8 | 186.8 | 171.8 |
| 27.5° | 580.4 | 578.7 | 557.0 | 513.7 | 457.0 | 393.6 | 328.5 | 268.5 | 216.8 | 178.4 | 161.8 |
| 30° | 570.4 | 567.0 | 545.3 | 502.0 | 441.9 | 376.9 | 311.9 | 253.5 | 201.8 | 163.4 | 148.4 |
| 32.5° | 548.7 | 545.3 | 522.0 | 482.0 | 425.3 | 358.6 | 293.5 | 236.8 | 186.8 | 148.4 | 135.1 |
| 35° | 522.0 | 518.7 | 495.3 | 457.0 | 401.9 | 345.2 | 273.5 | 218.5 | 170.1 | 136.8 | 123.4 |
| 37.5° | 488.6 | 483.6 | 463.6 | 423.6 | 373.6 | 330.2 | 256.8 | 200.1 | 155.1 | 123.4 | 111.7 |
| 40° | 446.9 | 445.3 | 426.9 | 390.2 | 340.2 | 303.5 | 246.8 | 200.1 | 141.8 | 111.7 | 101.7 |
| 42.5° | 406.9 | 403.6 | 386.9 | 355.2 | 310.2 | 265.2 | 216.8 | 191.8 | 131.8 | 100.1 | 91.7 |
| 45° | 365.2 | 361.9 | 346.9 | 320.2 | 278.5 | 233.5 | 233.5 | 165.1 | 113.4 | 91.7 | 83.4 |
| 47.5° | 320.2 | 316.9 | 305.2 | 285.2 | 248.5 | 208.5 | 170.1 | 135.1 | 103.4 | 81.7 | 75.0 |
| 50° | 275.2 | 276.8 | 266.8 | 246.8 | 218.5 | 181.8 | 146.8 | 113.4 | 88.4 | 73.4 | 66.7 |
| 52.5° | 230.1 | 228.5 | 221.8 | 208.5 | 188.5 | 156.8 | 125.1 | 96.7 | 76.7 | 65.0 | 61.7 |
| 55° | 185.1 | 186.8 | 183.4 | 175.1 | 158.4 | 135.1 | 105.1 | 83.4 | 68.4 | 58.4 | 55.0 |
| 57.5° | 153.4 | 155.1 | 148.4 | 143.4 | 130.1 | 110.1 | 86.7 | 70.0 | 58.4 | 51.7 | 48.4 |
| 60° | 126.7 | 128.4 | 123.4 | 116.7 | 106.7 | 88.4 | 70.0 | 58.4 | 51.7 | 46.7 | 43.4 |
| 62.5° | 103.4 | 101.7 | 98.4 | 91.7 | 83.4 | 70.0 | 56.7 | 48.4 | 43.4 | 40.0 | 38.4 |
| 65° | 80.1 | 80.1 | 76.7 | 71.7 | 65.0 | 55.0 | 45.0 | 40.0 | 36.7 | 33.4 | 31.7 |
| 67.5° | 60.0 | 60.0 | 56.7 | 53.4 | 46.7 | 40.0 | 35.0 | 31.7 | 30.0 | 26.7 | 25.0 |
| 70° | 41.7 | 41.7 | 40.0 | 38.4 | 33.4 | 28.4 | 26.7 | 23.3 | 21.7 | 20.0 | 18.3 |
| 72.5° | 26.7 | 26.7 | 26.7 | 23.3 | 21.7 | 18.3 | 18.3 | 16.7 | 15.0 | 13.3 | 13.3 |
| 75° | 13.3 | 15.0 | 13.3 | 13.3 | 11.7 | 11.7 | 10.0 | 10.0 | 8.3 | 8.3 | 6.7 |
| 77.5° | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 80° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 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: P1446472
 CATALOG NUMBER: P3ART17R709730DE010 E3CLSWW1MMS

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 295.2 | 295.2 | 295.2 | 295.2 | 295.2 | 295.2 | 295.2 | 295.2 | 295.2 | 295.2 |
| 2.5° | 290.2 | 285.2 | 281.8 | 276.8 | 273.5 | 270.2 | 268.5 | 266.8 | 266.8 | 266.8 |
| 5° | 281.8 | 273.5 | 265.2 | 256.8 | 251.8 | 246.8 | 241.8 | 240.2 | 238.5 | 238.5 |
| 7.5° | 271.8 | 258.5 | 246.8 | 236.8 | 228.5 | 223.5 | 218.5 | 215.1 | 213.5 | 213.5 |
| 10° | 258.5 | 241.8 | 228.5 | 215.1 | 206.8 | 200.1 | 196.8 | 191.8 | 191.8 | 190.1 |
| 12.5° | 243.5 | 223.5 | 208.5 | 196.8 | 188.5 | 180.1 | 175.1 | 171.8 | 170.1 | 170.1 |
| 15° | 226.8 | 206.8 | 190.1 | 176.8 | 168.4 | 160.1 | 155.1 | 151.8 | 150.1 | 150.1 |
| 17.5° | 210.1 | 188.5 | 171.8 | 158.4 | 150.1 | 141.8 | 136.8 | 133.4 | 133.4 | 131.8 |
| 20° | 193.5 | 171.8 | 155.1 | 141.8 | 133.4 | 126.7 | 121.7 | 118.4 | 116.7 | 118.4 |
| 22.5° | 178.4 | 156.8 | 140.1 | 128.4 | 118.4 | 111.7 | 106.7 | 105.1 | 103.4 | 103.4 |
| 25° | 161.8 | 141.8 | 126.7 | 115.1 | 106.7 | 100.1 | 95.1 | 93.4 | 91.7 | 90.1 |
| 26° | 156.8 | 136.8 | 121.7 | 110.1 | 101.7 | 95.1 | 91.7 | 88.4 | 86.7 | 86.7 |
| 27.5° | 150.1 | 128.4 | 115.1 | 103.4 | 95.1 | 90.1 | 85.1 | 83.4 | 81.7 | 81.7 |
| 30° | 135.1 | 116.7 | 103.4 | 93.4 | 86.7 | 80.1 | 76.7 | 75.0 | 73.4 | 73.4 |
| 32.5° | 123.4 | 105.1 | 93.4 | 85.1 | 78.4 | 73.4 | 70.0 | 66.7 | 66.7 | 66.7 |
| 35° | 111.7 | 95.1 | 85.1 | 76.7 | 70.0 | 65.0 | 63.4 | 61.7 | 60.0 | 60.0 |
| 37.5° | 101.7 | 86.7 | 76.7 | 70.0 | 65.0 | 60.0 | 56.7 | 55.0 | 55.0 | 55.0 |
| 40° | 91.7 | 80.1 | 70.0 | 63.4 | 58.4 | 55.0 | 51.7 | 50.0 | 50.0 | 50.0 |
| 42.5° | 83.4 | 71.7 | 65.0 | 58.4 | 53.4 | 50.0 | 48.4 | 46.7 | 45.0 | 45.0 |
| 45° | 76.7 | 66.7 | 58.4 | 53.4 | 50.0 | 46.7 | 43.4 | 41.7 | 41.7 | 41.7 |
| 47.5° | 68.4 | 61.7 | 53.4 | 48.4 | 45.0 | 41.7 | 40.0 | 38.4 | 38.4 | 38.4 |
| 50° | 63.4 | 56.7 | 50.0 | 45.0 | 41.7 | 38.4 | 36.7 | 35.0 | 35.0 | 35.0 |
| 52.5° | 56.7 | 51.7 | 46.7 | 41.7 | 38.4 | 35.0 | 33.4 | 31.7 | 31.7 | 31.7 |
| 55° | 51.7 | 46.7 | 41.7 | 38.4 | 35.0 | 31.7 | 30.0 | 28.4 | 28.4 | 28.4 |
| 57.5° | 46.7 | 41.7 | 38.4 | 35.0 | 31.7 | 30.0 | 26.7 | 26.7 | 25.0 | 25.0 |
| 60° | 41.7 | 36.7 | 33.4 | 31.7 | 28.4 | 26.7 | 23.3 | 21.7 | 21.7 | 21.7 |
| 62.5° | 35.0 | 33.4 | 30.0 | 26.7 | 23.3 | 21.7 | 20.0 | 18.3 | 18.3 | 18.3 |
| 65° | 30.0 | 28.4 | 25.0 | 21.7 | 20.0 | 18.3 | 16.7 | 15.0 | 15.0 | 15.0 |
| 67.5° | 25.0 | 21.7 | 20.0 | 18.3 | 16.7 | 15.0 | 13.3 | 11.7 | 10.0 | 11.7 |
| 70° | 18.3 | 16.7 | 15.0 | 13.3 | 11.7 | 10.0 | 8.3 | 8.3 | 6.7 | 6.7 |
| 72.5° | 11.7 | 10.0 | 10.0 | 8.3 | 6.7 | 6.7 | 5.0 | 5.0 | 3.3 | 3.3 |
| 75° | 6.7 | 6.7 | 5.0 | 5.0 | 3.3 | 3.3 | 1.7 | 1.7 | 1.7 | 1.7 |
| 77.5° | 3.3 | 1.7 | 1.7 | 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)