

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: P1260935

Luminaire Tested: P3AS20R709050D010 E3LSWW1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1260935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R709050D010 E3LSWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3LSWW1H TRIM
Light Source: -
Ballast/Driver: -

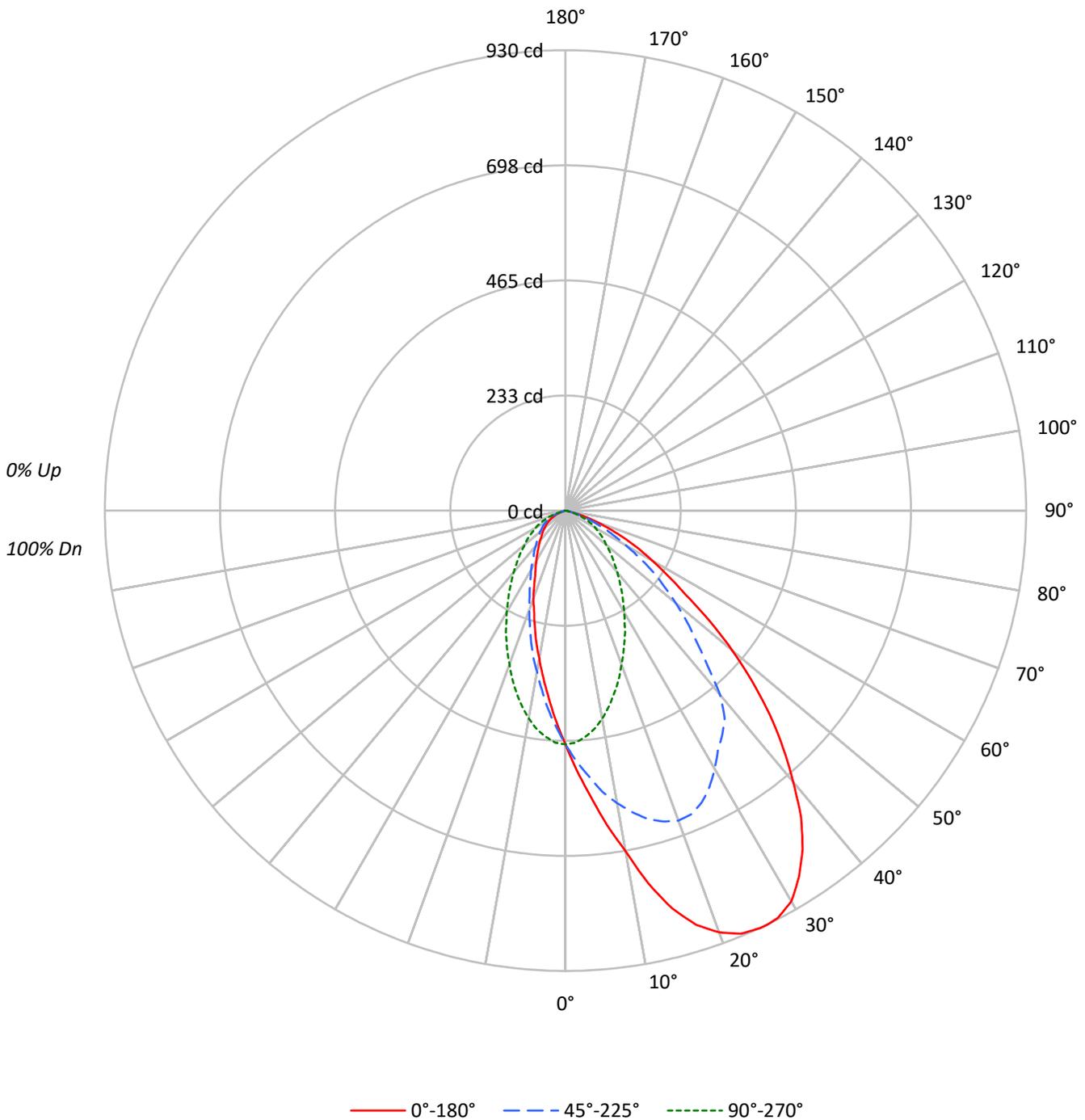
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 940.0 lumens
Efficiency: N/A
Efficacy: 32.6 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): 28.8
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: P1260935
CATALOG NUMBER: P3AS20R709050D010 E3LSWW1H

Luminous Intensity Polar Plot





TEST NUMBER: P1260935

CATALOG NUMBER: P3AS20R709050D010 E3LSWW1H

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|--------|--------|--------|
| 0° | 103479 | 103479 | 103479 | 103479 | 103479 |
| 5° | 127338 | 118534 | 100946 | 88620 | 83931 |
| 10° | 155530 | 133576 | 94988 | 73613 | 67667 |
| 15° | 188832 | 146471 | 86561 | 61135 | 54461 |
| 20° | 211535 | 155530 | 77147 | 49774 | 44174 |
| 25° | 225134 | 157388 | 68375 | 41277 | 34841 |
| 30° | 230871 | 152555 | 60085 | 35094 | 29701 |
| 35° | 223389 | 147739 | 52816 | 29982 | 25698 |
| 40° | 204526 | 138889 | 46544 | 26707 | 22900 |
| 45° | 181073 | 115764 | 41338 | 24809 | 20684 |
| 50° | 150068 | 99135 | 36366 | 22754 | 19104 |
| 55° | 113124 | 82578 | 33643 | 21409 | 17318 |
| 60° | 88853 | 61969 | 30392 | 19867 | 15218 |
| 65° | 66414 | 45660 | 26306 | 16604 | 12453 |
| 70° | 42764 | 29043 | 18785 | 11989 | 6860 |
| 75° | 18046 | 15843 | 9065 | 4490 | 2288 |
| 80° | 3410 | 3410 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 181073 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 44.8 | 4.8 |
| 10°-20° | 128.8 | 13.7 |
| 20°-30° | 188.4 | 20.0 |
| 30°-40° | 205.3 | 21.8 |
| 40°-50° | 177.6 | 18.9 |
| 50°-60° | 119.0 | 12.7 |
| 60°-70° | 61.5 | 6.5 |
| 70°-80° | 14.5 | 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° | 362.0 | 38.5 |
| 0°-40° | 567.3 | 60.3 |
| 0°-60° | 863.9 | 91.9 |
| 0°-90° | 940.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 940.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 472 | 472 | 472 | 472 | 472 | |
| 5° | 578 | 538 | 459 | 403 | 381 | 59 |
| 15° | 832 | 645 | 381 | 269 | 240 | 236 |
| 25° | 930 | 650 | 283 | 171 | 144 | 427 |
| 35° | 834 | 552 | 197 | 112 | 96 | 517 |
| 45° | 584 | 373 | 133 | 80 | 67 | 447 |
| 55° | 296 | 216 | 88 | 56 | 45 | 274 |
| 65° | 128 | 88 | 51 | 32 | 24 | 129 |
| 75° | 21 | 19 | 11 | 5 | 3 | 28 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1260935
 CATALOG NUMBER: P3AS20R709050D010 E3LSWW1H

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 471.9 | 471.9 | 471.9 | 471.9 | 471.9 | 471.9 | 471.9 | 471.9 | 471.9 | 471.9 | 471.9 |
| 2.5° | 525.2 | 522.6 | 522.6 | 517.2 | 511.9 | 506.6 | 498.6 | 490.6 | 482.6 | 474.6 | 469.2 |
| 5° | 578.5 | 581.2 | 578.5 | 567.9 | 554.5 | 538.5 | 522.6 | 503.9 | 485.2 | 469.2 | 458.6 |
| 7.5° | 639.9 | 639.9 | 631.9 | 618.5 | 599.9 | 573.2 | 546.5 | 514.6 | 485.2 | 458.6 | 445.2 |
| 10° | 698.5 | 698.5 | 685.2 | 663.9 | 634.5 | 599.9 | 562.5 | 519.9 | 479.9 | 442.6 | 426.6 |
| 12.5° | 770.5 | 767.8 | 751.8 | 717.2 | 674.5 | 623.9 | 573.2 | 519.9 | 471.9 | 426.6 | 405.2 |
| 15° | 831.8 | 829.2 | 807.8 | 765.2 | 709.2 | 645.2 | 575.9 | 514.6 | 455.9 | 405.2 | 381.3 |
| 17.5° | 877.1 | 871.8 | 847.8 | 802.5 | 738.5 | 658.5 | 578.5 | 503.9 | 437.2 | 381.3 | 357.3 |
| 20° | 906.5 | 903.8 | 877.1 | 823.8 | 754.5 | 666.5 | 575.9 | 490.6 | 418.6 | 357.3 | 330.6 |
| 22.5° | 925.1 | 919.8 | 893.1 | 834.5 | 754.5 | 663.9 | 565.2 | 471.9 | 394.6 | 333.3 | 306.6 |
| 25° | 930.5 | 927.8 | 895.8 | 831.8 | 746.5 | 650.5 | 549.2 | 453.2 | 370.6 | 309.3 | 282.6 |
| 26° | 930.5 | 927.8 | 895.8 | 829.2 | 741.2 | 642.5 | 541.2 | 445.2 | 362.6 | 298.6 | 274.6 |
| 27.5° | 927.8 | 925.1 | 890.5 | 821.2 | 730.5 | 629.2 | 525.2 | 429.2 | 346.6 | 285.3 | 258.6 |
| 30° | 911.8 | 906.5 | 871.8 | 802.5 | 706.5 | 602.5 | 498.6 | 405.2 | 322.6 | 261.3 | 237.3 |
| 32.5° | 877.1 | 871.8 | 834.5 | 770.5 | 679.9 | 573.2 | 469.2 | 378.6 | 298.6 | 237.3 | 216.0 |
| 35° | 834.5 | 829.2 | 791.8 | 730.5 | 642.5 | 551.9 | 437.2 | 349.3 | 271.9 | 218.6 | 197.3 |
| 37.5° | 781.2 | 773.2 | 741.2 | 677.2 | 597.2 | 527.9 | 410.6 | 319.9 | 247.9 | 197.3 | 178.6 |
| 40° | 714.5 | 711.8 | 682.5 | 623.9 | 543.9 | 485.2 | 394.6 | 319.9 | 226.6 | 178.6 | 162.6 |
| 42.5° | 650.5 | 645.2 | 618.5 | 567.9 | 495.9 | 423.9 | 346.6 | 306.6 | 210.6 | 160.0 | 146.6 |
| 45° | 583.9 | 578.5 | 554.5 | 511.9 | 445.2 | 373.3 | 313.3 | 263.9 | 181.3 | 146.6 | 133.3 |
| 47.5° | 511.9 | 506.6 | 487.9 | 455.9 | 397.2 | 333.3 | 271.9 | 216.0 | 165.3 | 130.6 | 120.0 |
| 50° | 439.9 | 442.6 | 426.6 | 394.6 | 349.3 | 290.6 | 234.6 | 181.3 | 141.3 | 117.3 | 106.6 |
| 52.5° | 367.9 | 365.3 | 354.6 | 333.3 | 301.3 | 250.6 | 200.0 | 154.6 | 122.6 | 104.0 | 98.6 |
| 55° | 295.9 | 298.6 | 293.3 | 279.9 | 253.3 | 216.0 | 168.0 | 133.3 | 109.3 | 93.3 | 88.0 |
| 57.5° | 245.3 | 247.9 | 237.3 | 229.3 | 208.0 | 176.0 | 138.6 | 112.0 | 93.3 | 82.6 | 77.3 |
| 60° | 202.6 | 205.3 | 197.3 | 186.6 | 170.6 | 141.3 | 112.0 | 93.3 | 82.6 | 74.7 | 69.3 |
| 62.5° | 165.3 | 162.6 | 157.3 | 146.6 | 133.3 | 112.0 | 90.6 | 77.3 | 69.3 | 64.0 | 61.3 |
| 65° | 128.0 | 128.0 | 122.6 | 114.6 | 104.0 | 88.0 | 72.0 | 64.0 | 58.7 | 53.3 | 50.7 |
| 67.5° | 96.0 | 96.0 | 90.6 | 85.3 | 74.7 | 64.0 | 56.0 | 50.7 | 48.0 | 42.7 | 40.0 |
| 70° | 66.7 | 66.7 | 64.0 | 61.3 | 53.3 | 45.3 | 42.7 | 37.3 | 34.7 | 32.0 | 29.3 |
| 72.5° | 42.7 | 42.7 | 42.7 | 37.3 | 34.7 | 29.3 | 29.3 | 26.7 | 24.0 | 21.3 | 21.3 |
| 75° | 21.3 | 24.0 | 21.3 | 21.3 | 18.7 | 18.7 | 16.0 | 16.0 | 13.3 | 13.3 | 10.7 |
| 77.5° | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 80° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 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 |



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CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 471.9 | 471.9 | 471.9 | 471.9 | 471.9 | 471.9 | 471.9 | 471.9 | 471.9 | 471.9 |
| 2.5° | 463.9 | 455.9 | 450.6 | 442.6 | 437.2 | 431.9 | 429.2 | 426.6 | 426.6 | 426.6 |
| 5° | 450.6 | 437.2 | 423.9 | 410.6 | 402.6 | 394.6 | 386.6 | 383.9 | 381.3 | 381.3 |
| 7.5° | 434.6 | 413.2 | 394.6 | 378.6 | 365.3 | 357.3 | 349.3 | 343.9 | 341.3 | 341.3 |
| 10° | 413.2 | 386.6 | 365.3 | 343.9 | 330.6 | 319.9 | 314.6 | 306.6 | 306.6 | 303.9 |
| 12.5° | 389.2 | 357.3 | 333.3 | 314.6 | 301.3 | 287.9 | 279.9 | 274.6 | 271.9 | 271.9 |
| 15° | 362.6 | 330.6 | 303.9 | 282.6 | 269.3 | 255.9 | 247.9 | 242.6 | 239.9 | 239.9 |
| 17.5° | 335.9 | 301.3 | 274.6 | 253.3 | 239.9 | 226.6 | 218.6 | 213.3 | 213.3 | 210.6 |
| 20° | 309.3 | 274.6 | 247.9 | 226.6 | 213.3 | 202.6 | 194.6 | 189.3 | 186.6 | 189.3 |
| 22.5° | 285.3 | 250.6 | 224.0 | 205.3 | 189.3 | 178.6 | 170.6 | 168.0 | 165.3 | 165.3 |
| 25° | 258.6 | 226.6 | 202.6 | 184.0 | 170.6 | 160.0 | 152.0 | 149.3 | 146.6 | 144.0 |
| 26° | 250.6 | 218.6 | 194.6 | 176.0 | 162.6 | 152.0 | 146.6 | 141.3 | 138.6 | 138.6 |
| 27.5° | 239.9 | 205.3 | 184.0 | 165.3 | 152.0 | 144.0 | 136.0 | 133.3 | 130.6 | 130.6 |
| 30° | 216.0 | 186.6 | 165.3 | 149.3 | 138.6 | 128.0 | 122.6 | 120.0 | 117.3 | 117.3 |
| 32.5° | 197.3 | 168.0 | 149.3 | 136.0 | 125.3 | 117.3 | 112.0 | 106.6 | 106.6 | 106.6 |
| 35° | 178.6 | 152.0 | 136.0 | 122.6 | 112.0 | 104.0 | 101.3 | 98.6 | 96.0 | 96.0 |
| 37.5° | 162.6 | 138.6 | 122.6 | 112.0 | 104.0 | 96.0 | 90.6 | 88.0 | 88.0 | 88.0 |
| 40° | 146.6 | 128.0 | 112.0 | 101.3 | 93.3 | 88.0 | 82.6 | 80.0 | 80.0 | 80.0 |
| 42.5° | 133.3 | 114.6 | 104.0 | 93.3 | 85.3 | 80.0 | 77.3 | 74.7 | 72.0 | 72.0 |
| 45° | 122.6 | 106.6 | 93.3 | 85.3 | 80.0 | 74.7 | 69.3 | 66.7 | 66.7 | 66.7 |
| 47.5° | 109.3 | 98.6 | 85.3 | 77.3 | 72.0 | 66.7 | 64.0 | 61.3 | 61.3 | 61.3 |
| 50° | 101.3 | 90.6 | 80.0 | 72.0 | 66.7 | 61.3 | 58.7 | 56.0 | 56.0 | 56.0 |
| 52.5° | 90.6 | 82.6 | 74.7 | 66.7 | 61.3 | 56.0 | 53.3 | 50.7 | 50.7 | 50.7 |
| 55° | 82.6 | 74.7 | 66.7 | 61.3 | 56.0 | 50.7 | 48.0 | 45.3 | 45.3 | 45.3 |
| 57.5° | 74.7 | 66.7 | 61.3 | 56.0 | 50.7 | 48.0 | 42.7 | 42.7 | 40.0 | 40.0 |
| 60° | 66.7 | 58.7 | 53.3 | 50.7 | 45.3 | 42.7 | 37.3 | 34.7 | 34.7 | 34.7 |
| 62.5° | 56.0 | 53.3 | 48.0 | 42.7 | 37.3 | 34.7 | 32.0 | 29.3 | 29.3 | 29.3 |
| 65° | 48.0 | 45.3 | 40.0 | 34.7 | 32.0 | 29.3 | 26.7 | 24.0 | 24.0 | 24.0 |
| 67.5° | 40.0 | 34.7 | 32.0 | 29.3 | 26.7 | 24.0 | 21.3 | 18.7 | 16.0 | 18.7 |
| 70° | 29.3 | 26.7 | 24.0 | 21.3 | 18.7 | 16.0 | 13.3 | 13.3 | 10.7 | 10.7 |
| 72.5° | 18.7 | 16.0 | 16.0 | 13.3 | 10.7 | 10.7 | 8.0 | 8.0 | 5.3 | 5.3 |
| 75° | 10.7 | 10.7 | 8.0 | 8.0 | 5.3 | 5.3 | 2.7 | 2.7 | 2.7 | 2.7 |
| 77.5° | 5.3 | 2.7 | 2.7 | 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)