

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: P3ART20R709035D010 E3LSWW1H

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 (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART20R709035D010 E3LSWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3LSWW1H TRIM
Light Source: -
Ballast/Driver: -

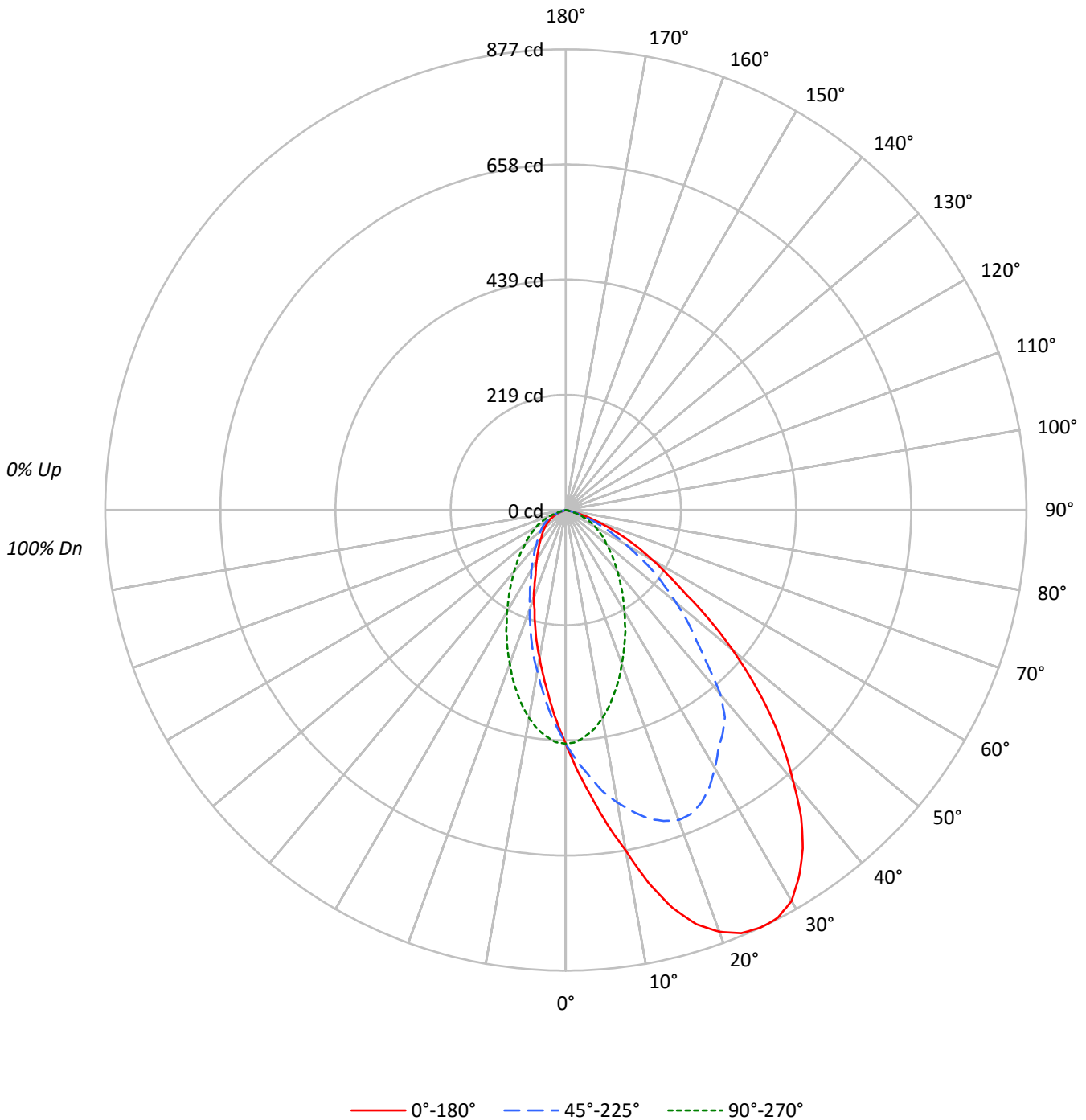
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 886.0 lumens
Efficiency: N/A
Efficacy: 30.8 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: P#
CATALOG NUMBER: P3ART20R709035D010 E3LSWW1H

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709035D010 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 | 0 |
| 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° | 97536 | 97536 | 97536 | 97536 | 97536 |
| 5° | 120031 | 111732 | 95135 | 83535 | 79089 |
| 10° | 146602 | 125894 | 89533 | 69382 | 63793 |
| 15° | 177981 | 138048 | 81567 | 57617 | 51351 |
| 20° | 199377 | 146593 | 72713 | 46904 | 41630 |
| 25° | 212190 | 148363 | 64455 | 38905 | 32833 |
| 30° | 217603 | 143794 | 56642 | 33094 | 28004 |
| 35° | 210540 | 139254 | 49791 | 28242 | 24226 |
| 40° | 192790 | 130931 | 43882 | 25190 | 21583 |
| 45° | 170653 | 109097 | 38950 | 23382 | 19475 |
| 50° | 141437 | 93438 | 34285 | 21424 | 18012 |
| 55° | 106625 | 77799 | 31693 | 20186 | 16324 |
| 60° | 83765 | 58416 | 28638 | 18727 | 14341 |
| 65° | 62575 | 43014 | 24750 | 15670 | 11726 |
| 70° | 40263 | 27376 | 17695 | 11284 | 6475 |
| 75° | 17029 | 14911 | 8557 | 4236 | 2118 |
| 80° | 3157 | 3157 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 170653 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 42.2 | 4.8 |
| 10°-20° | 121.4 | 13.7 |
| 20°-30° | 177.6 | 20.0 |
| 30°-40° | 193.5 | 21.8 |
| 40°-50° | 167.4 | 18.9 |
| 50°-60° | 112.1 | 12.7 |
| 60°-70° | 57.9 | 6.5 |
| 70°-80° | 13.7 | 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° | 341.2 | 38.5 |
| 0°-40° | 534.7 | 60.3 |
| 0°-60° | 814.2 | 91.9 |
| 0°-90° | 886.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 886.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 445 | 445 | 445 | 445 | 445 | |
| 5° | 545 | 508 | 432 | 380 | 359 | 56 |
| 15° | 784 | 608 | 359 | 254 | 226 | 222 |
| 25° | 877 | 613 | 266 | 161 | 136 | 403 |
| 35° | 786 | 520 | 186 | 106 | 90 | 487 |
| 45° | 550 | 352 | 126 | 75 | 63 | 421 |
| 55° | 279 | 204 | 83 | 53 | 43 | 258 |
| 65° | 121 | 83 | 48 | 30 | 23 | 122 |
| 75° | 20 | 18 | 10 | 5 | 2 | 26 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709035D010 E3LSWW1H

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 444.8 | 444.8 | 444.8 | 444.8 | 444.8 | 444.8 | 444.8 | 444.8 | 444.8 | 444.8 | 444.8 |
| 2.5° | 495.0 | 492.5 | 492.5 | 487.5 | 482.5 | 477.5 | 469.9 | 462.4 | 454.8 | 447.3 | 442.3 |
| 5° | 545.3 | 547.8 | 545.3 | 535.3 | 522.7 | 507.6 | 492.5 | 474.9 | 457.4 | 442.3 | 432.2 |
| 7.5° | 603.1 | 603.1 | 595.6 | 583.0 | 565.4 | 540.3 | 515.2 | 485.0 | 457.4 | 432.2 | 419.7 |
| 10° | 658.4 | 658.4 | 645.8 | 625.7 | 598.1 | 565.4 | 530.2 | 490.0 | 452.3 | 417.1 | 402.1 |
| 12.5° | 726.2 | 723.7 | 708.6 | 676.0 | 635.8 | 588.0 | 540.3 | 490.0 | 444.8 | 402.1 | 382.0 |
| 15° | 784.0 | 781.5 | 761.4 | 721.2 | 668.4 | 608.1 | 542.8 | 485.0 | 429.7 | 382.0 | 359.3 |
| 17.5° | 826.8 | 821.7 | 799.1 | 756.4 | 696.1 | 620.7 | 545.3 | 474.9 | 412.1 | 359.3 | 336.7 |
| 20° | 854.4 | 851.9 | 826.8 | 776.5 | 711.2 | 628.2 | 542.8 | 462.4 | 394.5 | 336.7 | 311.6 |
| 22.5° | 872.0 | 867.0 | 841.8 | 786.5 | 711.2 | 625.7 | 532.7 | 444.8 | 371.9 | 314.1 | 289.0 |
| 25° | 877.0 | 874.5 | 844.3 | 784.0 | 703.6 | 613.2 | 517.7 | 427.2 | 349.3 | 291.5 | 266.4 |
| 26° | 877.0 | 874.5 | 844.3 | 781.5 | 698.6 | 605.6 | 510.1 | 419.7 | 341.8 | 281.4 | 258.8 |
| 27.5° | 874.5 | 872.0 | 839.3 | 774.0 | 688.5 | 593.1 | 495.0 | 404.6 | 326.7 | 268.9 | 243.8 |
| 30° | 859.4 | 854.4 | 821.7 | 756.4 | 665.9 | 567.9 | 469.9 | 382.0 | 304.1 | 246.3 | 223.7 |
| 32.5° | 826.8 | 821.7 | 786.5 | 726.2 | 640.8 | 540.3 | 442.3 | 356.8 | 281.4 | 223.7 | 203.5 |
| 35° | 786.5 | 781.5 | 746.3 | 688.5 | 605.6 | 520.2 | 412.1 | 329.2 | 256.3 | 206.1 | 186.0 |
| 37.5° | 736.3 | 728.7 | 698.6 | 638.3 | 562.9 | 497.6 | 387.0 | 301.6 | 233.7 | 186.0 | 168.4 |
| 40° | 673.5 | 671.0 | 643.3 | 588.0 | 512.6 | 457.4 | 371.9 | 301.6 | 213.6 | 168.4 | 153.3 |
| 42.5° | 613.2 | 608.1 | 583.0 | 535.3 | 467.4 | 399.6 | 326.7 | 289.0 | 198.5 | 150.8 | 138.2 |
| 45° | 550.3 | 545.3 | 522.7 | 482.5 | 419.7 | 351.8 | 351.8 | 248.8 | 170.9 | 138.2 | 125.6 |
| 47.5° | 482.5 | 477.5 | 459.9 | 429.7 | 374.4 | 314.1 | 256.3 | 203.5 | 155.8 | 123.1 | 113.1 |
| 50° | 414.6 | 417.1 | 402.1 | 371.9 | 329.2 | 273.9 | 221.1 | 170.9 | 133.2 | 110.6 | 100.5 |
| 52.5° | 346.8 | 344.3 | 334.2 | 314.1 | 284.0 | 236.2 | 188.5 | 145.7 | 115.6 | 98.0 | 93.0 |
| 55° | 278.9 | 281.4 | 276.4 | 263.9 | 238.7 | 203.5 | 158.3 | 125.6 | 103.0 | 88.0 | 82.9 |
| 57.5° | 231.2 | 233.7 | 223.7 | 216.1 | 196.0 | 165.9 | 130.7 | 105.5 | 88.0 | 77.9 | 72.9 |
| 60° | 191.0 | 193.5 | 186.0 | 175.9 | 160.8 | 133.2 | 105.5 | 88.0 | 77.9 | 70.4 | 65.3 |
| 62.5° | 155.8 | 153.3 | 148.3 | 138.2 | 125.6 | 105.5 | 85.4 | 72.9 | 65.3 | 60.3 | 57.8 |
| 65° | 120.6 | 120.6 | 115.6 | 108.1 | 98.0 | 82.9 | 67.8 | 60.3 | 55.3 | 50.3 | 47.7 |
| 67.5° | 90.5 | 90.5 | 85.4 | 80.4 | 70.4 | 60.3 | 52.8 | 47.7 | 45.2 | 40.2 | 37.7 |
| 70° | 62.8 | 62.8 | 60.3 | 57.8 | 50.3 | 42.7 | 40.2 | 35.2 | 32.7 | 30.2 | 27.6 |
| 72.5° | 40.2 | 40.2 | 40.2 | 35.2 | 32.7 | 27.6 | 27.6 | 25.1 | 22.6 | 20.1 | 20.1 |
| 75° | 20.1 | 22.6 | 20.1 | 20.1 | 17.6 | 17.6 | 15.1 | 15.1 | 12.6 | 12.6 | 10.1 |
| 77.5° | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 80° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 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: P#
 CATALOG NUMBER: P3ART20R709035D010 E3LSWW1H

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 444.8 | 444.8 | 444.8 | 444.8 | 444.8 | 444.8 | 444.8 | 444.8 | 444.8 | 444.8 |
| 2.5° | 437.2 | 429.7 | 424.7 | 417.1 | 412.1 | 407.1 | 404.6 | 402.1 | 402.1 | 402.1 |
| 5° | 424.7 | 412.1 | 399.6 | 387.0 | 379.5 | 371.9 | 364.4 | 361.9 | 359.3 | 359.3 |
| 7.5° | 409.6 | 389.5 | 371.9 | 356.8 | 344.3 | 336.7 | 329.2 | 324.2 | 321.7 | 321.7 |
| 10° | 389.5 | 364.4 | 344.3 | 324.2 | 311.6 | 301.6 | 296.5 | 289.0 | 289.0 | 286.5 |
| 12.5° | 366.9 | 336.7 | 314.1 | 296.5 | 284.0 | 271.4 | 263.9 | 258.8 | 256.3 | 256.3 |
| 15° | 341.8 | 311.6 | 286.5 | 266.4 | 253.8 | 241.2 | 233.7 | 228.7 | 226.2 | 226.2 |
| 17.5° | 316.6 | 284.0 | 258.8 | 238.7 | 226.2 | 213.6 | 206.1 | 201.0 | 201.0 | 198.5 |
| 20° | 291.5 | 258.8 | 233.7 | 213.6 | 201.0 | 191.0 | 183.4 | 178.4 | 175.9 | 178.4 |
| 22.5° | 268.9 | 236.2 | 211.1 | 193.5 | 178.4 | 168.4 | 160.8 | 158.3 | 155.8 | 155.8 |
| 25° | 243.8 | 213.6 | 191.0 | 173.4 | 160.8 | 150.8 | 143.2 | 140.7 | 138.2 | 135.7 |
| 26° | 236.2 | 206.1 | 183.4 | 165.9 | 153.3 | 143.2 | 138.2 | 133.2 | 130.7 | 130.7 |
| 27.5° | 226.2 | 193.5 | 173.4 | 155.8 | 143.2 | 135.7 | 128.2 | 125.6 | 123.1 | 123.1 |
| 30° | 203.5 | 175.9 | 155.8 | 140.7 | 130.7 | 120.6 | 115.6 | 113.1 | 110.6 | 110.6 |
| 32.5° | 186.0 | 158.3 | 140.7 | 128.2 | 118.1 | 110.6 | 105.5 | 100.5 | 100.5 | 100.5 |
| 35° | 168.4 | 143.2 | 128.2 | 115.6 | 105.5 | 98.0 | 95.5 | 93.0 | 90.5 | 90.5 |
| 37.5° | 153.3 | 130.7 | 115.6 | 105.5 | 98.0 | 90.5 | 85.4 | 82.9 | 82.9 | 82.9 |
| 40° | 138.2 | 120.6 | 105.5 | 95.5 | 88.0 | 82.9 | 77.9 | 75.4 | 75.4 | 75.4 |
| 42.5° | 125.6 | 108.1 | 98.0 | 88.0 | 80.4 | 75.4 | 72.9 | 70.4 | 67.8 | 67.8 |
| 45° | 115.6 | 100.5 | 88.0 | 80.4 | 75.4 | 70.4 | 65.3 | 62.8 | 62.8 | 62.8 |
| 47.5° | 103.0 | 93.0 | 80.4 | 72.9 | 67.8 | 62.8 | 60.3 | 57.8 | 57.8 | 57.8 |
| 50° | 95.5 | 85.4 | 75.4 | 67.8 | 62.8 | 57.8 | 55.3 | 52.8 | 52.8 | 52.8 |
| 52.5° | 85.4 | 77.9 | 70.4 | 62.8 | 57.8 | 52.8 | 50.3 | 47.7 | 47.7 | 47.7 |
| 55° | 77.9 | 70.4 | 62.8 | 57.8 | 52.8 | 47.7 | 45.2 | 42.7 | 42.7 | 42.7 |
| 57.5° | 70.4 | 62.8 | 57.8 | 52.8 | 47.7 | 45.2 | 40.2 | 40.2 | 37.7 | 37.7 |
| 60° | 62.8 | 55.3 | 50.3 | 47.7 | 42.7 | 40.2 | 35.2 | 32.7 | 32.7 | 32.7 |
| 62.5° | 52.8 | 50.3 | 45.2 | 40.2 | 35.2 | 32.7 | 30.2 | 27.6 | 27.6 | 27.6 |
| 65° | 45.2 | 42.7 | 37.7 | 32.7 | 30.2 | 27.6 | 25.1 | 22.6 | 22.6 | 22.6 |
| 67.5° | 37.7 | 32.7 | 30.2 | 27.6 | 25.1 | 22.6 | 20.1 | 17.6 | 15.1 | 17.6 |
| 70° | 27.6 | 25.1 | 22.6 | 20.1 | 17.6 | 15.1 | 12.6 | 12.6 | 10.1 | 10.1 |
| 72.5° | 17.6 | 15.1 | 15.1 | 12.6 | 10.1 | 10.1 | 7.5 | 7.5 | 5.0 | 5.0 |
| 75° | 10.1 | 10.1 | 7.5 | 7.5 | 5.0 | 5.0 | 2.5 | 2.5 | 2.5 | 2.5 |
| 77.5° | 5.0 | 2.5 | 2.5 | 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)