

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: PORTFOLIO

Report Number: P1312468

Luminaire Tested: LDSQA3D09R709050DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312468
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709050DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

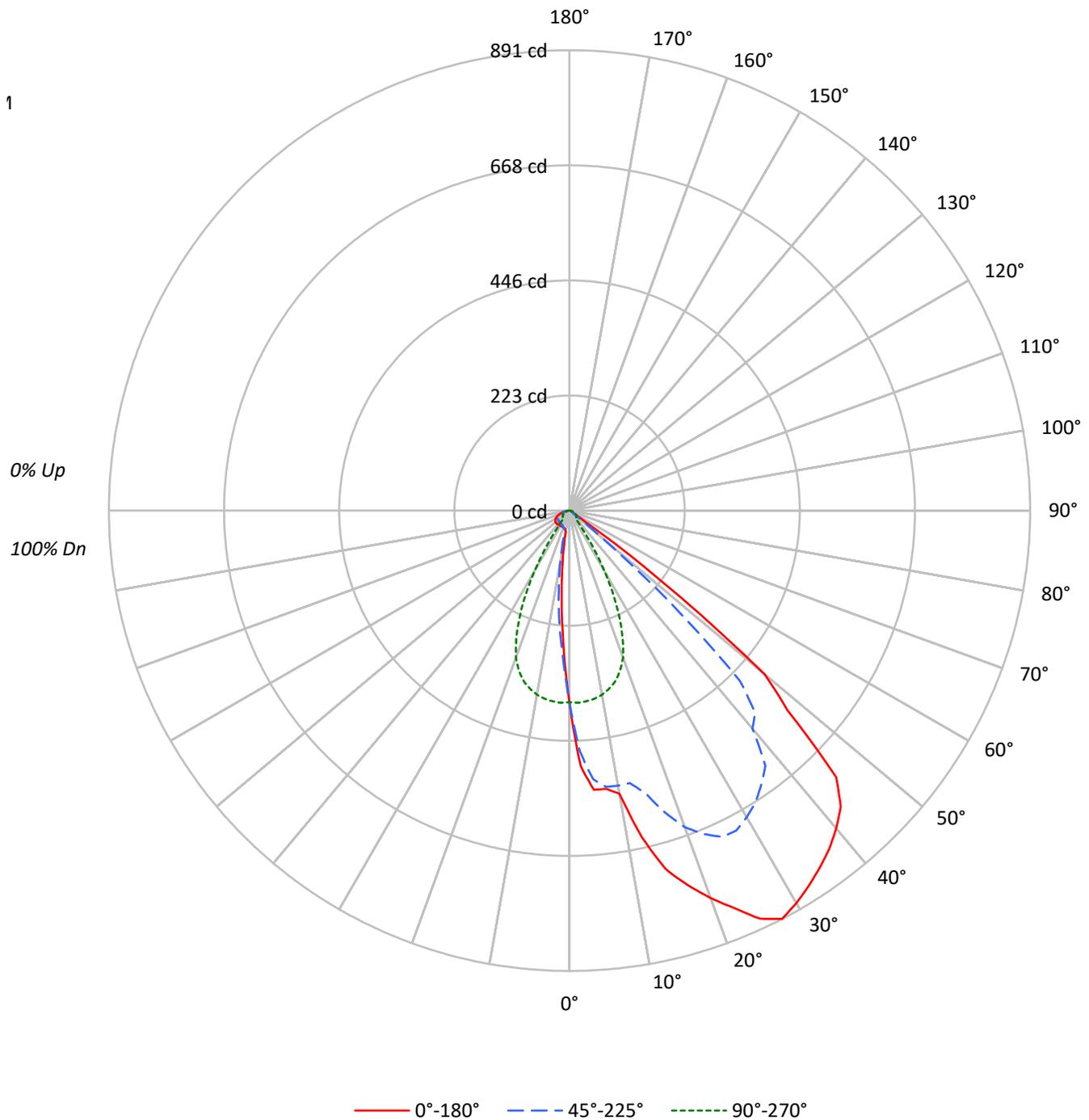
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 704.1 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1312468

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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 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 98 | 98 | 96 | 95 | 95 | 93 | 92 | 92 | 92 | 92 | 90 |
| 2 | 104 | 98 | 93 | 89 | 102 | 96 | 92 | 88 | 93 | 89 | 86 | 90 | 87 | 84 | 87 | 84 | 82 | 82 | 82 | 82 | 80 |
| 3 | 97 | 89 | 83 | 78 | 95 | 87 | 82 | 77 | 85 | 80 | 76 | 82 | 78 | 74 | 80 | 76 | 73 | 73 | 73 | 73 | 71 |
| 4 | 90 | 81 | 74 | 68 | 88 | 80 | 73 | 68 | 77 | 72 | 67 | 75 | 70 | 66 | 73 | 69 | 65 | 65 | 65 | 65 | 64 |
| 5 | 84 | 74 | 66 | 61 | 82 | 73 | 66 | 60 | 71 | 65 | 60 | 69 | 64 | 59 | 67 | 62 | 59 | 59 | 59 | 59 | 57 |
| 6 | 79 | 67 | 60 | 54 | 77 | 66 | 59 | 54 | 65 | 58 | 54 | 63 | 58 | 53 | 62 | 57 | 53 | 53 | 53 | 53 | 51 |
| 7 | 73 | 62 | 54 | 49 | 72 | 61 | 54 | 49 | 60 | 53 | 48 | 58 | 52 | 48 | 57 | 52 | 48 | 48 | 48 | 48 | 46 |
| 8 | 69 | 57 | 49 | 44 | 67 | 56 | 49 | 44 | 55 | 49 | 44 | 54 | 48 | 44 | 53 | 47 | 43 | 43 | 43 | 43 | 42 |
| 9 | 64 | 52 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 44 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 40 | 40 | 40 | 38 |
| 10 | 60 | 49 | 42 | 37 | 59 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 36 | 45 | 40 | 36 | 36 | 36 | 36 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 63843 | 63843 | 63843 | 63843 | 63843 |
| 5° | 93770 | 90174 | 64087 | 38258 | 29960 |
| 10° | 97233 | 94575 | 63289 | 18292 | 7397 |
| 15° | 128036 | 100845 | 60960 | 6544 | 6401 |
| 20° | 146254 | 119459 | 55496 | 6286 | 6433 |
| 25° | 165608 | 132373 | 43573 | 6081 | 6385 |
| 30° | 174425 | 136302 | 27006 | 6046 | 6821 |
| 35° | 177363 | 136029 | 8893 | 6223 | 7211 |
| 40° | 180486 | 123741 | 4317 | 6655 | 7891 |
| 45° | 177628 | 113621 | 4481 | 7015 | 8549 |
| 50° | 132063 | 20979 | 4501 | 7716 | 9404 |
| 55° | 10539 | 2883 | 4804 | 8167 | 10089 |
| 60° | 2204 | 3031 | 4684 | 8267 | 10471 |
| 65° | 2282 | 2934 | 4564 | 8150 | 10758 |
| 70° | 2014 | 2820 | 4431 | 7654 | 10474 |
| 75° | 1597 | 2662 | 3726 | 7453 | 10114 |
| 80° | 1587 | 2380 | 3967 | 7141 | 9521 |
| 85° | 1581 | 3162 | 4742 | 6323 | 7904 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 179771 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 33.7 | 4.8 |
| 10°-20° | 94.9 | 13.5 |
| 20°-30° | 159.3 | 22.6 |
| 30°-40° | 191.5 | 27.2 |
| 40°-50° | 151.8 | 21.6 |
| 50°-60° | 48.6 | 6.9 |
| 60°-70° | 13.6 | 1.9 |
| 70°-80° | 8.1 | 1.2 |
| 80°-90° | 2.6 | 0.4 |
| 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° | 287.9 | 40.9 |
| 0°-40° | 479.4 | 68.1 |
| 0°-60° | 679.8 | 96.6 |
| 0°-90° | 704.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 704.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 371 | 371 | 371 | 371 | 371 | |
| 5° | 542 | 522 | 371 | 221 | 173 | 51 |
| 15° | 718 | 566 | 342 | 37 | 36 | 202 |
| 25° | 872 | 697 | 229 | 32 | 34 | 398 |
| 35° | 844 | 647 | 42 | 30 | 34 | 528 |
| 45° | 729 | 466 | 18 | 29 | 35 | 524 |
| 55° | 35 | 10 | 16 | 27 | 34 | 110 |
| 65° | 6 | 7 | 11 | 20 | 26 | 5 |
| 75° | 2 | 4 | 6 | 11 | 15 | 3 |
| 85° | 1 | 2 | 2 | 3 | 4 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1312468

CATALOG NUMBER: LDSQA3D09R709050DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 370.7 | 370.7 | 370.7 | 370.7 | 370.7 | 370.7 | 370.7 | 370.7 | 370.7 | 370.7 | 370.7 |
| 2.5° | 494.5 | 497.7 | 497.7 | 493.7 | 495.3 | 488.9 | 484.1 | 476.9 | 475.3 | 466.5 | 455.3 |
| 5° | 542.4 | 540.8 | 540.8 | 537.6 | 539.2 | 536.8 | 534.4 | 532.8 | 528.0 | 521.6 | 515.2 |
| 7.5° | 543.2 | 544.8 | 545.6 | 544.8 | 548.0 | 545.6 | 545.6 | 545.6 | 542.4 | 539.2 | 532.8 |
| 10° | 556.0 | 553.6 | 551.2 | 545.6 | 542.4 | 540.0 | 540.0 | 540.8 | 542.4 | 540.8 | 536.8 |
| 12.5° | 647.8 | 639.1 | 635.1 | 621.5 | 611.1 | 593.5 | 573.6 | 558.4 | 544.8 | 540.0 | 536.8 |
| 15° | 718.1 | 716.5 | 708.6 | 695.8 | 683.0 | 662.2 | 639.1 | 615.9 | 591.1 | 565.6 | 547.2 |
| 17.5° | 759.7 | 756.5 | 748.5 | 734.9 | 719.7 | 700.6 | 682.2 | 664.6 | 640.7 | 611.9 | 582.3 |
| 20° | 798.0 | 790.8 | 780.4 | 764.5 | 749.3 | 730.9 | 711.0 | 694.2 | 674.2 | 651.8 | 617.5 |
| 22.5° | 832.4 | 826.0 | 809.2 | 787.6 | 772.5 | 754.9 | 737.3 | 721.3 | 703.0 | 677.4 | 646.2 |
| 25° | 871.5 | 857.1 | 830.0 | 802.0 | 783.6 | 769.3 | 756.5 | 743.7 | 724.5 | 696.6 | 659.8 |
| 27.5° | 890.7 | 870.7 | 841.2 | 813.2 | 795.6 | 780.4 | 766.9 | 754.1 | 732.5 | 698.2 | 655.8 |
| 30° | 877.1 | 865.9 | 845.2 | 823.6 | 809.2 | 794.8 | 778.9 | 759.7 | 725.3 | 685.4 | 646.2 |
| 32.5° | 861.1 | 855.5 | 846.0 | 833.2 | 824.4 | 810.0 | 787.6 | 756.5 | 708.6 | 669.4 | 627.1 |
| 35° | 843.6 | 841.2 | 838.0 | 832.4 | 826.8 | 813.2 | 785.2 | 739.7 | 691.8 | 647.0 | 606.3 |
| 37.5° | 825.2 | 822.8 | 825.2 | 824.4 | 819.6 | 802.0 | 759.7 | 717.3 | 667.8 | 622.3 | 543.2 |
| 40° | 802.8 | 801.2 | 805.2 | 809.2 | 803.6 | 780.4 | 734.9 | 683.8 | 639.9 | 550.4 | 523.2 |
| 42.5° | 776.5 | 775.7 | 782.8 | 786.0 | 778.1 | 743.7 | 690.2 | 652.6 | 560.0 | 531.2 | 467.3 |
| 45° | 729.3 | 730.9 | 734.1 | 738.1 | 733.3 | 695.8 | 647.0 | 578.3 | 537.6 | 466.5 | 266.0 |
| 47.5° | 571.2 | 572.8 | 588.7 | 622.3 | 645.4 | 632.7 | 591.1 | 540.0 | 480.9 | 266.8 | 83.9 |
| 50° | 492.9 | 491.3 | 492.1 | 500.1 | 518.4 | 536.0 | 523.2 | 495.3 | 286.8 | 78.3 | 10.4 |
| 52.5° | 216.5 | 240.4 | 266.0 | 337.9 | 384.2 | 433.0 | 442.5 | 309.9 | 93.5 | 10.4 | 10.4 |
| 55° | 35.1 | 36.7 | 46.3 | 67.9 | 122.2 | 184.5 | 223.7 | 103.8 | 9.6 | 9.6 | 9.6 |
| 57.5° | 7.2 | 7.2 | 7.2 | 8.0 | 12.0 | 25.6 | 29.6 | 8.8 | 8.8 | 8.8 | 9.6 |
| 60° | 6.4 | 6.4 | 6.4 | 6.4 | 7.2 | 7.2 | 7.2 | 8.0 | 8.0 | 8.8 | 8.8 |
| 62.5° | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 7.2 | 7.2 | 8.0 | 8.0 | 8.8 |
| 65° | 5.6 | 5.6 | 5.6 | 5.6 | 6.4 | 6.4 | 6.4 | 6.4 | 7.2 | 7.2 | 8.0 |
| 67.5° | 4.8 | 4.8 | 4.8 | 4.8 | 5.6 | 5.6 | 5.6 | 6.4 | 6.4 | 6.4 | 7.2 |
| 70° | 4.0 | 4.0 | 4.0 | 4.0 | 4.8 | 4.8 | 4.8 | 4.8 | 5.6 | 5.6 | 5.6 |
| 72.5° | 3.2 | 3.2 | 3.2 | 3.2 | 4.0 | 4.0 | 4.0 | 4.0 | 4.8 | 4.8 | 4.8 |
| 75° | 2.4 | 2.4 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 4.0 | 4.0 | 4.0 |
| 77.5° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 3.2 | 3.2 | 3.2 | 3.2 |
| 80° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 82.5° | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 85° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 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):

| | 55° | 60° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| 0° | 370.7 | 370.7 | 370.7 | 370.7 | 370.7 | 370.7 | 370.7 | 370.7 |
| 2.5° | 448.1 | 437.0 | 421.8 | 372.3 | 326.7 | 285.2 | 264.4 | 262.0 |
| 5° | 504.9 | 494.5 | 468.9 | 370.7 | 283.6 | 221.3 | 183.7 | 173.3 |
| 7.5° | 526.4 | 517.6 | 495.3 | 367.5 | 242.8 | 159.0 | 116.6 | 100.7 |
| 10° | 532.0 | 526.4 | 507.3 | 361.9 | 200.5 | 104.6 | 55.1 | 42.3 |
| 12.5° | 534.4 | 530.4 | 512.0 | 353.1 | 158.2 | 54.3 | 37.5 | 37.5 |
| 15° | 538.4 | 534.4 | 516.8 | 341.9 | 116.6 | 36.7 | 35.9 | 35.9 |
| 17.5° | 556.0 | 543.2 | 523.2 | 325.1 | 76.7 | 35.1 | 35.1 | 35.1 |
| 20° | 584.7 | 556.8 | 526.4 | 302.8 | 47.9 | 34.3 | 34.3 | 35.1 |
| 22.5° | 608.7 | 571.2 | 525.6 | 269.2 | 35.1 | 32.8 | 33.6 | 34.3 |
| 25° | 619.1 | 577.5 | 518.4 | 229.3 | 30.4 | 32.0 | 33.6 | 33.6 |
| 27.5° | 617.5 | 579.9 | 512.0 | 183.7 | 28.8 | 31.2 | 32.8 | 34.3 |
| 30° | 608.7 | 573.6 | 497.7 | 135.8 | 27.2 | 30.4 | 32.8 | 34.3 |
| 32.5° | 593.5 | 548.8 | 468.9 | 87.9 | 26.4 | 30.4 | 32.8 | 34.3 |
| 35° | 544.0 | 508.8 | 427.4 | 42.3 | 25.6 | 29.6 | 33.6 | 34.3 |
| 37.5° | 515.2 | 466.5 | 325.9 | 20.8 | 24.8 | 29.6 | 33.6 | 34.3 |
| 40° | 468.9 | 348.3 | 147.0 | 19.2 | 24.8 | 29.6 | 33.6 | 35.1 |
| 42.5° | 294.8 | 143.0 | 24.0 | 18.4 | 24.0 | 29.6 | 33.6 | 35.1 |
| 45° | 107.8 | 19.2 | 12.8 | 18.4 | 24.0 | 28.8 | 33.6 | 35.1 |
| 47.5° | 11.2 | 11.2 | 12.0 | 17.6 | 23.2 | 28.8 | 33.6 | 35.1 |
| 50° | 10.4 | 11.2 | 12.0 | 16.8 | 22.4 | 28.8 | 32.8 | 35.1 |
| 52.5° | 10.4 | 11.2 | 12.0 | 16.8 | 21.6 | 28.0 | 32.8 | 35.1 |
| 55° | 10.4 | 11.2 | 11.2 | 16.0 | 20.8 | 27.2 | 32.0 | 33.6 |
| 57.5° | 9.6 | 10.4 | 11.2 | 15.2 | 20.0 | 25.6 | 31.2 | 32.8 |
| 60° | 9.6 | 10.4 | 11.2 | 13.6 | 19.2 | 24.0 | 29.6 | 30.4 |
| 62.5° | 8.8 | 9.6 | 10.4 | 12.8 | 17.6 | 22.4 | 27.2 | 28.8 |
| 65° | 8.8 | 8.8 | 9.6 | 11.2 | 16.0 | 20.0 | 24.8 | 26.4 |
| 67.5° | 7.2 | 8.0 | 8.0 | 9.6 | 13.6 | 17.6 | 22.4 | 24.0 |
| 70° | 6.4 | 6.4 | 7.2 | 8.8 | 12.0 | 15.2 | 19.2 | 20.8 |
| 72.5° | 5.6 | 5.6 | 5.6 | 7.2 | 10.4 | 13.6 | 16.8 | 18.4 |
| 75° | 4.8 | 4.8 | 4.8 | 5.6 | 8.8 | 11.2 | 14.4 | 15.2 |
| 77.5° | 4.0 | 4.0 | 4.0 | 4.8 | 7.2 | 9.6 | 11.2 | 12.8 |
| 80° | 3.2 | 3.2 | 3.2 | 4.0 | 5.6 | 7.2 | 8.8 | 9.6 |
| 82.5° | 2.4 | 2.4 | 2.4 | 3.2 | 4.0 | 4.8 | 6.4 | 6.4 |
| 85° | 1.6 | 1.6 | 1.6 | 2.4 | 2.4 | 3.2 | 4.0 | 4.0 |
| 87.5° | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)