

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: P1315698

Luminaire Tested: LDSQA3D13R709735DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315698
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: LDSQA3D13R709735DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

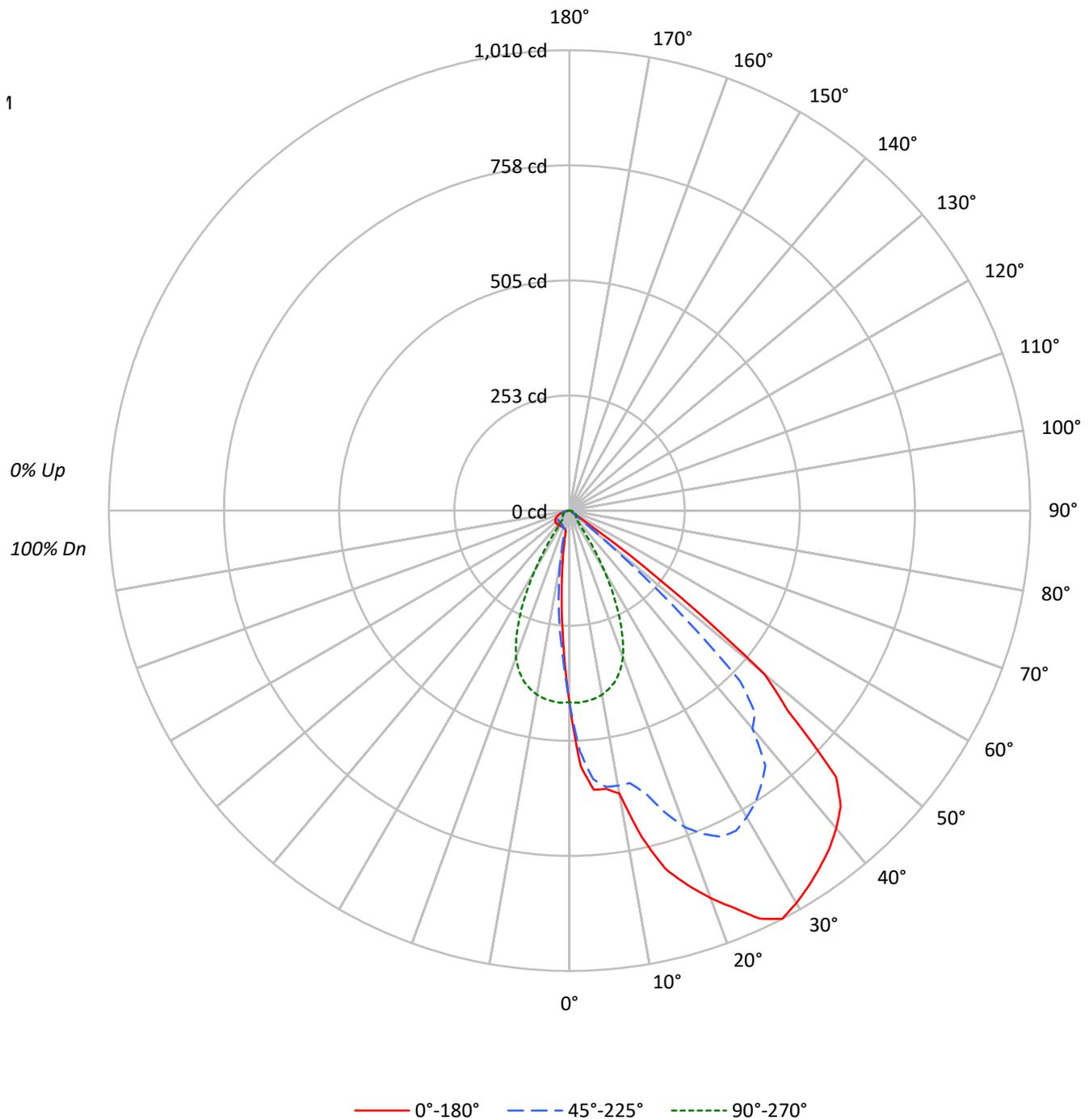
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 798.0 lumens
Efficiency: N/A
Efficacy: 54.7 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 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: P1315698

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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 | 100 | | | 100 | |
| 1 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 98 | 98 | 96 | 95 | 95 | 93 | 92 | 90 | | | 90 | |
| 2 | 104 | 98 | 93 | 89 | 102 | 96 | 92 | 88 | 93 | 89 | 86 | 90 | 87 | 84 | 87 | 84 | 82 | 80 | | | 80 | |
| 3 | 97 | 89 | 83 | 78 | 95 | 87 | 82 | 77 | 85 | 80 | 76 | 82 | 78 | 74 | 80 | 76 | 73 | 71 | | | 71 | |
| 4 | 90 | 81 | 74 | 68 | 88 | 80 | 73 | 68 | 77 | 72 | 67 | 75 | 70 | 66 | 73 | 69 | 65 | 64 | | | 64 | |
| 5 | 84 | 74 | 66 | 61 | 82 | 73 | 66 | 61 | 71 | 65 | 60 | 69 | 64 | 59 | 67 | 62 | 59 | 57 | | | 57 | |
| 6 | 79 | 67 | 60 | 54 | 77 | 66 | 59 | 54 | 65 | 58 | 54 | 63 | 58 | 53 | 62 | 57 | 53 | 51 | | | 51 | |
| 7 | 73 | 62 | 54 | 49 | 72 | 61 | 54 | 49 | 60 | 53 | 48 | 58 | 52 | 48 | 57 | 52 | 48 | 46 | | | 46 | |
| 8 | 69 | 57 | 49 | 44 | 67 | 56 | 49 | 44 | 55 | 49 | 44 | 54 | 48 | 44 | 53 | 47 | 43 | 42 | | | 42 | |
| 9 | 64 | 52 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 44 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 38 | | | 38 | |
| 10 | 60 | 49 | 42 | 37 | 59 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 36 | 45 | 40 | 36 | 35 | | | 35 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 72351 | 72351 | 72351 | 72351 | 72351 |
| 5° | 106287 | 102224 | 72627 | 43358 | 33971 |
| 10° | 110209 | 107201 | 71736 | 20741 | 8394 |
| 15° | 145135 | 114307 | 69090 | 7435 | 7257 |
| 20° | 165791 | 135422 | 62900 | 7129 | 7294 |
| 25° | 187727 | 150045 | 49388 | 6879 | 7221 |
| 30° | 197712 | 154499 | 30605 | 6841 | 7736 |
| 35° | 201036 | 154194 | 10092 | 7043 | 8179 |
| 40° | 204587 | 140266 | 4879 | 7531 | 8948 |
| 45° | 201351 | 128794 | 5066 | 7940 | 9694 |
| 50° | 149693 | 23765 | 5091 | 8735 | 10664 |
| 55° | 11950 | 3273 | 5435 | 9248 | 11410 |
| 60° | 2480 | 3444 | 5304 | 9369 | 11849 |
| 65° | 2567 | 3301 | 5175 | 9210 | 12185 |
| 70° | 2266 | 3172 | 5035 | 8661 | 11833 |
| 75° | 1797 | 2994 | 4192 | 8451 | 11445 |
| 80° | 1785 | 2678 | 4463 | 8034 | 10811 |
| 85° | 1778 | 3557 | 5335 | 7114 | 8892 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 203786 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 38.2 | 4.8 |
| 10°-20° | 107.5 | 13.5 |
| 20°-30° | 180.5 | 22.6 |
| 30°-40° | 217.1 | 27.2 |
| 40°-50° | 172.1 | 21.6 |
| 50°-60° | 55.1 | 6.9 |
| 60°-70° | 15.4 | 1.9 |
| 70°-80° | 9.2 | 1.1 |
| 80°-90° | 2.9 | 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° | 326.3 | 40.9 |
| 0°-40° | 543.4 | 68.1 |
| 0°-60° | 770.5 | 96.6 |
| 0°-90° | 798.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 798.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 420 | 420 | 420 | 420 | 420 | |
| 5° | 615 | 591 | 420 | 251 | 196 | 58 |
| 15° | 814 | 641 | 388 | 42 | 41 | 229 |
| 25° | 988 | 790 | 260 | 36 | 38 | 452 |
| 35° | 956 | 733 | 48 | 34 | 39 | 599 |
| 45° | 827 | 529 | 21 | 33 | 40 | 594 |
| 55° | 40 | 11 | 18 | 31 | 38 | 125 |
| 65° | 6 | 8 | 13 | 23 | 30 | 6 |
| 75° | 3 | 4 | 6 | 13 | 17 | 3 |
| 85° | 1 | 2 | 3 | 4 | 4 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1315698

CATALOG NUMBER: LDSQA3D13R709735DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 |
| 2.5° | 560.5 | 564.1 | 564.1 | 559.6 | 561.4 | 554.2 | 548.7 | 540.6 | 538.8 | 528.8 | 516.1 |
| 5° | 614.8 | 613.0 | 613.0 | 609.4 | 611.2 | 608.5 | 605.8 | 604.0 | 598.5 | 591.3 | 584.0 |
| 7.5° | 615.7 | 617.5 | 618.4 | 617.5 | 621.2 | 618.4 | 618.4 | 618.4 | 614.8 | 611.2 | 604.0 |
| 10° | 630.2 | 627.5 | 624.8 | 618.4 | 614.8 | 612.1 | 612.1 | 613.0 | 614.8 | 613.0 | 608.5 |
| 12.5° | 734.3 | 724.4 | 719.9 | 704.5 | 692.7 | 672.8 | 650.1 | 632.9 | 617.5 | 612.1 | 608.5 |
| 15° | 814.0 | 812.2 | 803.2 | 788.7 | 774.2 | 750.6 | 724.4 | 698.1 | 670.1 | 641.1 | 620.3 |
| 17.5° | 861.1 | 857.5 | 848.4 | 833.0 | 815.8 | 794.1 | 773.3 | 753.4 | 726.2 | 693.6 | 660.1 |
| 20° | 904.6 | 896.4 | 884.7 | 866.5 | 849.3 | 828.5 | 805.9 | 786.9 | 764.2 | 738.9 | 699.9 |
| 22.5° | 943.5 | 936.3 | 917.3 | 892.8 | 875.6 | 855.7 | 835.8 | 817.7 | 796.8 | 767.8 | 732.5 |
| 25° | 987.9 | 971.6 | 940.8 | 909.1 | 888.3 | 872.0 | 857.5 | 843.0 | 821.3 | 789.6 | 747.9 |
| 27.5° | 1009.6 | 987.0 | 953.5 | 921.8 | 901.9 | 884.7 | 869.3 | 854.8 | 830.3 | 791.4 | 743.4 |
| 30° | 994.2 | 981.5 | 958.0 | 933.6 | 917.3 | 901.0 | 882.8 | 861.1 | 822.2 | 776.9 | 732.5 |
| 32.5° | 976.1 | 969.8 | 958.9 | 944.4 | 934.5 | 918.2 | 892.8 | 857.5 | 803.2 | 758.8 | 710.8 |
| 35° | 956.2 | 953.5 | 949.9 | 943.5 | 937.2 | 921.8 | 890.1 | 838.5 | 784.1 | 733.4 | 687.3 |
| 37.5° | 935.4 | 932.6 | 935.4 | 934.5 | 929.0 | 909.1 | 861.1 | 813.1 | 757.0 | 705.4 | 615.7 |
| 40° | 910.0 | 908.2 | 912.7 | 917.3 | 910.9 | 884.7 | 833.0 | 775.1 | 725.3 | 623.9 | 593.1 |
| 42.5° | 880.1 | 879.2 | 887.4 | 891.0 | 881.9 | 843.0 | 782.3 | 739.8 | 634.7 | 602.1 | 529.7 |
| 45° | 826.7 | 828.5 | 832.1 | 836.7 | 831.2 | 788.7 | 733.4 | 655.6 | 609.4 | 528.8 | 301.5 |
| 47.5° | 647.4 | 649.2 | 667.3 | 705.4 | 731.6 | 717.1 | 670.1 | 612.1 | 545.1 | 302.4 | 95.1 |
| 50° | 558.7 | 556.9 | 557.8 | 566.8 | 587.7 | 607.6 | 593.1 | 561.4 | 325.1 | 88.7 | 11.8 |
| 52.5° | 245.4 | 272.6 | 301.5 | 383.0 | 435.5 | 490.8 | 501.6 | 351.3 | 105.9 | 11.8 | 11.8 |
| 55° | 39.8 | 41.7 | 52.5 | 77.0 | 138.5 | 209.2 | 253.5 | 117.7 | 10.9 | 10.9 | 10.9 |
| 57.5° | 8.1 | 8.1 | 8.1 | 9.1 | 13.6 | 29.0 | 33.5 | 10.0 | 10.0 | 10.0 | 10.9 |
| 60° | 7.2 | 7.2 | 7.2 | 7.2 | 8.1 | 8.1 | 8.1 | 9.1 | 9.1 | 10.0 | 10.0 |
| 62.5° | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 8.1 | 8.1 | 9.1 | 9.1 | 10.0 |
| 65° | 6.3 | 6.3 | 6.3 | 6.3 | 7.2 | 7.2 | 7.2 | 7.2 | 8.1 | 8.1 | 9.1 |
| 67.5° | 5.4 | 5.4 | 5.4 | 5.4 | 6.3 | 6.3 | 6.3 | 7.2 | 7.2 | 7.2 | 8.1 |
| 70° | 4.5 | 4.5 | 4.5 | 4.5 | 5.4 | 5.4 | 5.4 | 5.4 | 6.3 | 6.3 | 6.3 |
| 72.5° | 3.6 | 3.6 | 3.6 | 3.6 | 4.5 | 4.5 | 4.5 | 4.5 | 5.4 | 5.4 | 5.4 |
| 75° | 2.7 | 2.7 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 4.5 | 4.5 | 4.5 |
| 77.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 3.6 | 3.6 | 3.6 | 3.6 |
| 80° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 82.5° | 0.9 | 0.9 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 85° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 1.8 | 1.8 | 1.8 | 1.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 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° | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 |
| 2.5° | 508.0 | 495.3 | 478.1 | 422.0 | 370.3 | 323.3 | 299.7 | 297.0 |
| 5° | 572.3 | 560.5 | 531.5 | 420.1 | 321.4 | 250.8 | 208.3 | 196.5 |
| 7.5° | 596.7 | 586.8 | 561.4 | 416.5 | 275.3 | 180.2 | 132.2 | 114.1 |
| 10° | 603.1 | 596.7 | 575.0 | 410.2 | 227.3 | 118.6 | 62.5 | 48.0 |
| 12.5° | 605.8 | 601.2 | 580.4 | 400.2 | 179.3 | 61.6 | 42.6 | 42.6 |
| 15° | 610.3 | 605.8 | 585.8 | 387.5 | 132.2 | 41.7 | 40.7 | 40.7 |
| 17.5° | 630.2 | 615.7 | 593.1 | 368.5 | 86.9 | 39.8 | 39.8 | 39.8 |
| 20° | 662.8 | 631.1 | 596.7 | 343.2 | 54.3 | 38.9 | 38.9 | 39.8 |
| 22.5° | 690.0 | 647.4 | 595.8 | 305.1 | 39.8 | 37.1 | 38.0 | 38.9 |
| 25° | 701.7 | 654.7 | 587.7 | 259.9 | 34.4 | 36.2 | 38.0 | 38.0 |
| 27.5° | 699.9 | 657.4 | 580.4 | 208.3 | 32.6 | 35.3 | 37.1 | 38.9 |
| 30° | 690.0 | 650.1 | 564.1 | 153.9 | 30.8 | 34.4 | 37.1 | 38.9 |
| 32.5° | 672.8 | 622.1 | 531.5 | 99.6 | 29.9 | 34.4 | 37.1 | 38.9 |
| 35° | 616.6 | 576.8 | 484.4 | 48.0 | 29.0 | 33.5 | 38.0 | 38.9 |
| 37.5° | 584.0 | 528.8 | 369.4 | 23.5 | 28.1 | 33.5 | 38.0 | 38.9 |
| 40° | 531.5 | 394.8 | 166.6 | 21.7 | 28.1 | 33.5 | 38.0 | 39.8 |
| 42.5° | 334.1 | 162.1 | 27.2 | 20.8 | 27.2 | 33.5 | 38.0 | 39.8 |
| 45° | 122.2 | 21.7 | 14.5 | 20.8 | 27.2 | 32.6 | 38.0 | 39.8 |
| 47.5° | 12.7 | 12.7 | 13.6 | 19.9 | 26.3 | 32.6 | 38.0 | 39.8 |
| 50° | 11.8 | 12.7 | 13.6 | 19.0 | 25.4 | 32.6 | 37.1 | 39.8 |
| 52.5° | 11.8 | 12.7 | 13.6 | 19.0 | 24.4 | 31.7 | 37.1 | 39.8 |
| 55° | 11.8 | 12.7 | 12.7 | 18.1 | 23.5 | 30.8 | 36.2 | 38.0 |
| 57.5° | 10.9 | 11.8 | 12.7 | 17.2 | 22.6 | 29.0 | 35.3 | 37.1 |
| 60° | 10.9 | 11.8 | 12.7 | 15.4 | 21.7 | 27.2 | 33.5 | 34.4 |
| 62.5° | 10.0 | 10.9 | 11.8 | 14.5 | 19.9 | 25.4 | 30.8 | 32.6 |
| 65° | 10.0 | 10.0 | 10.9 | 12.7 | 18.1 | 22.6 | 28.1 | 29.9 |
| 67.5° | 8.1 | 9.1 | 9.1 | 10.9 | 15.4 | 19.9 | 25.4 | 27.2 |
| 70° | 7.2 | 7.2 | 8.1 | 10.0 | 13.6 | 17.2 | 21.7 | 23.5 |
| 72.5° | 6.3 | 6.3 | 6.3 | 8.1 | 11.8 | 15.4 | 19.0 | 20.8 |
| 75° | 5.4 | 5.4 | 5.4 | 6.3 | 10.0 | 12.7 | 16.3 | 17.2 |
| 77.5° | 4.5 | 4.5 | 4.5 | 5.4 | 8.1 | 10.9 | 12.7 | 14.5 |
| 80° | 3.6 | 3.6 | 3.6 | 4.5 | 6.3 | 8.1 | 10.0 | 10.9 |
| 82.5° | 2.7 | 2.7 | 2.7 | 3.6 | 4.5 | 5.4 | 7.2 | 7.2 |
| 85° | 1.8 | 1.8 | 1.8 | 2.7 | 2.7 | 3.6 | 4.5 | 4.5 |
| 87.5° | 0.9 | 0.9 | 0.9 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)