

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: P1311212

Luminaire Tested: LDSQA3D05R559040DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311212
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R559040DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

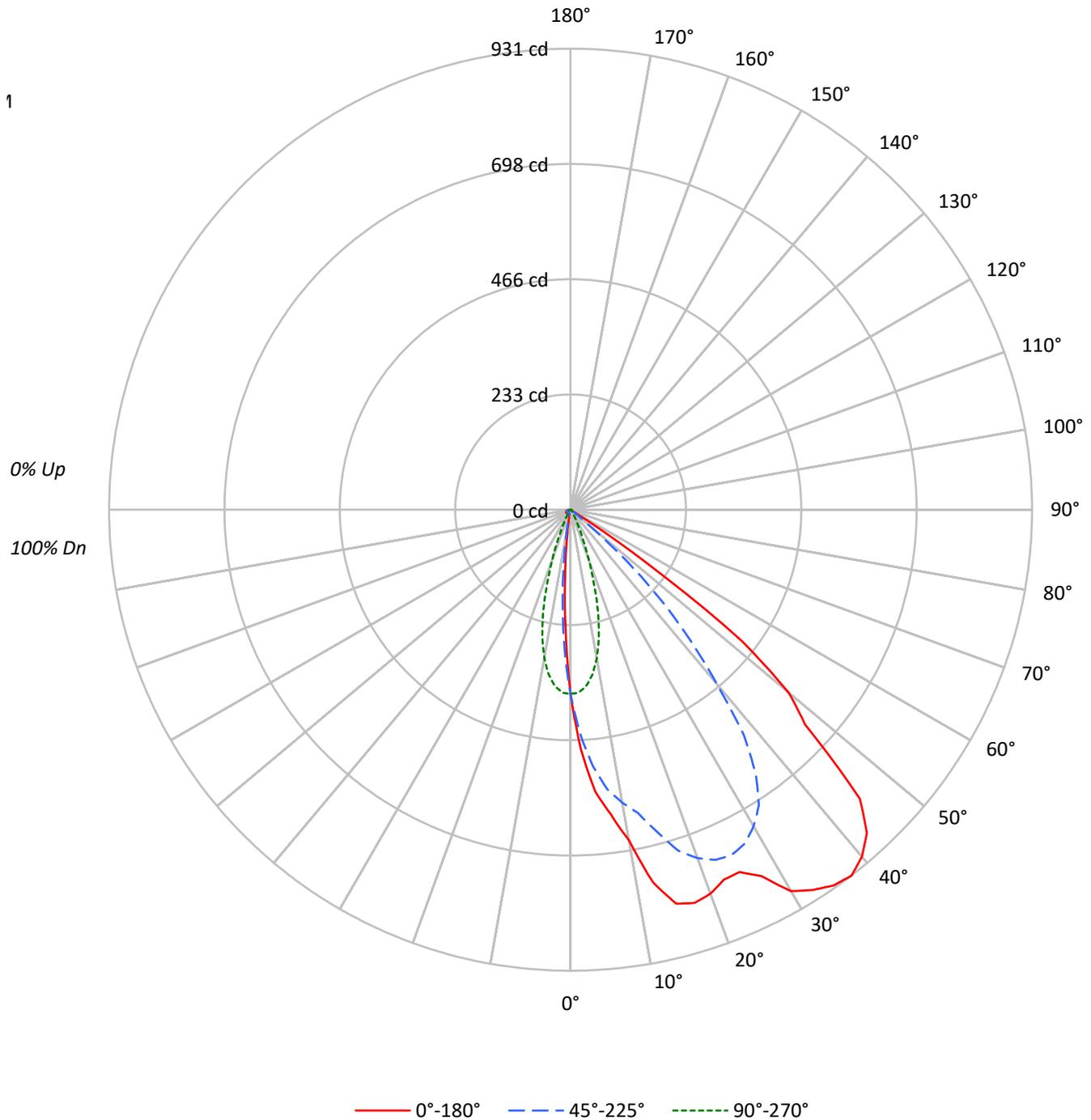
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 620.0 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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

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Luminous Intensity Polar Plot





TEST NUMBER: P1311212

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 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 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 98 | 99 | 97 | 95 | 95 | 94 | 93 | 93 | 93 | 93 | 91 |
| 2 | 105 | 99 | 94 | 90 | 103 | 97 | 93 | 89 | 94 | 90 | 87 | 91 | 88 | 85 | 88 | 86 | 83 | 83 | 83 | 83 | 81 |
| 3 | 98 | 90 | 84 | 79 | 96 | 89 | 83 | 79 | 86 | 81 | 77 | 83 | 79 | 76 | 81 | 78 | 75 | 75 | 75 | 75 | 73 |
| 4 | 91 | 82 | 75 | 70 | 89 | 81 | 75 | 70 | 79 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 67 | 67 | 67 | 65 |
| 5 | 85 | 75 | 68 | 63 | 84 | 74 | 67 | 62 | 72 | 66 | 62 | 70 | 65 | 61 | 69 | 64 | 61 | 61 | 61 | 61 | 59 |
| 6 | 80 | 69 | 62 | 56 | 78 | 68 | 61 | 56 | 66 | 60 | 56 | 65 | 59 | 55 | 63 | 59 | 55 | 55 | 55 | 55 | 53 |
| 7 | 75 | 63 | 56 | 51 | 73 | 63 | 56 | 51 | 61 | 55 | 50 | 60 | 54 | 50 | 59 | 54 | 50 | 50 | 50 | 50 | 48 |
| 8 | 70 | 58 | 51 | 46 | 68 | 58 | 51 | 46 | 57 | 50 | 46 | 55 | 50 | 46 | 54 | 49 | 45 | 45 | 45 | 45 | 44 |
| 9 | 66 | 54 | 47 | 42 | 64 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 50 | 45 | 41 | 41 | 41 | 41 | 40 |
| 10 | 62 | 50 | 43 | 39 | 61 | 50 | 43 | 38 | 49 | 43 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 38 | 38 | 38 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 63998 | 63998 | 63998 | 63998 | 63998 |
| 5° | 98697 | 89846 | 61822 | 31741 | 20849 |
| 10° | 118568 | 105015 | 53216 | 8009 | 3200 |
| 15° | 146828 | 119941 | 38031 | 2211 | 1729 |
| 20° | 151221 | 137200 | 19647 | 1485 | 1485 |
| 25° | 153409 | 146150 | 7886 | 1330 | 1539 |
| 30° | 176831 | 146842 | 3420 | 1392 | 1611 |
| 35° | 194645 | 136891 | 1472 | 1472 | 1808 |
| 40° | 205599 | 103035 | 854 | 1686 | 1933 |
| 45° | 201083 | 62960 | 779 | 1827 | 2363 |
| 50° | 153819 | 13423 | 857 | 2170 | 2733 |
| 55° | 56449 | 480 | 961 | 2432 | 3063 |
| 60° | 551 | 551 | 1102 | 2790 | 3513 |
| 65° | 652 | 652 | 1304 | 2853 | 3749 |
| 70° | 554 | 806 | 1360 | 3273 | 4330 |
| 75° | 333 | 732 | 1464 | 3593 | 4991 |
| 80° | 496 | 1091 | 1587 | 3769 | 5356 |
| 85° | 0 | 988 | 2174 | 4347 | 5335 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 201083 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 32.7 | 5.3 |
| 10°-20° | 93.7 | 15.1 |
| 20°-30° | 143.7 | 23.2 |
| 30°-40° | 167.5 | 27.0 |
| 40°-50° | 133.8 | 21.6 |
| 50°-60° | 39.6 | 6.4 |
| 60°-70° | 4.2 | 0.7 |
| 70°-80° | 3.3 | 0.5 |
| 80°-90° | 1.4 | 0.2 |
| 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° | 270.1 | 43.6 |
| 0°-40° | 437.6 | 70.6 |
| 0°-60° | 611.0 | 98.6 |
| 0°-90° | 620.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 620.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 372 | 372 | 372 | 372 | 372 | |
| 5° | 571 | 520 | 358 | 184 | 121 | 57 |
| 15° | 824 | 673 | 213 | 12 | 10 | 227 |
| 25° | 807 | 769 | 42 | 7 | 8 | 383 |
| 35° | 926 | 651 | 7 | 7 | 9 | 577 |
| 45° | 826 | 258 | 3 | 8 | 10 | 595 |
| 55° | 188 | 2 | 3 | 8 | 10 | 199 |
| 65° | 2 | 2 | 3 | 7 | 9 | 1 |
| 75° | 0 | 1 | 2 | 5 | 8 | 1 |
| 85° | 0 | 0 | 1 | 2 | 3 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1311212

CATALOG NUMBER: LDSQA3D05R559040DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 371.6 | 371.6 | 371.6 | 371.6 | 371.6 | 371.6 | 371.6 | 371.6 | 371.6 | 371.6 | 371.6 |
| 2.5° | 484.7 | 484.7 | 483.1 | 483.6 | 482.6 | 476.6 | 475.5 | 468.0 | 461.5 | 454.5 | 448.6 |
| 5° | 570.9 | 572.0 | 570.3 | 567.1 | 562.8 | 558.5 | 549.3 | 542.3 | 533.2 | 519.7 | 507.3 |
| 7.5° | 619.9 | 618.8 | 616.1 | 615.0 | 612.3 | 607.5 | 601.0 | 593.5 | 582.7 | 569.3 | 554.7 |
| 10° | 678.0 | 668.9 | 666.2 | 661.9 | 653.3 | 643.6 | 632.3 | 622.0 | 612.9 | 600.5 | 584.9 |
| 12.5° | 771.8 | 770.1 | 759.4 | 751.3 | 739.4 | 717.9 | 698.5 | 675.9 | 649.0 | 627.4 | 607.0 |
| 15° | 823.5 | 824.5 | 819.7 | 813.2 | 805.7 | 787.9 | 768.5 | 742.1 | 710.4 | 672.7 | 639.3 |
| 17.5° | 832.6 | 834.2 | 831.5 | 828.8 | 826.7 | 816.5 | 804.6 | 785.8 | 756.7 | 721.7 | 672.1 |
| 20° | 825.1 | 828.3 | 828.8 | 832.1 | 836.4 | 832.1 | 822.4 | 809.5 | 785.2 | 748.6 | 701.2 |
| 22.5° | 808.4 | 814.3 | 818.6 | 829.9 | 841.2 | 841.2 | 835.3 | 825.1 | 801.4 | 765.3 | 716.8 |
| 25° | 807.3 | 808.4 | 810.0 | 828.3 | 846.1 | 849.8 | 844.5 | 833.7 | 807.8 | 769.1 | 716.3 |
| 27.5° | 834.2 | 827.2 | 816.5 | 834.8 | 855.8 | 859.0 | 851.5 | 836.9 | 806.2 | 760.4 | 698.0 |
| 30° | 889.2 | 873.5 | 850.9 | 864.4 | 878.9 | 875.2 | 860.1 | 836.9 | 795.5 | 738.4 | 663.5 |
| 32.5° | 910.2 | 901.6 | 893.5 | 908.0 | 910.7 | 895.1 | 868.2 | 833.7 | 778.2 | 707.1 | 607.0 |
| 35° | 925.8 | 926.3 | 923.1 | 925.8 | 912.9 | 890.8 | 861.2 | 815.9 | 745.9 | 651.1 | 532.1 |
| 37.5° | 931.2 | 932.2 | 925.2 | 915.6 | 896.2 | 870.9 | 835.3 | 783.6 | 692.1 | 574.1 | 419.0 |
| 40° | 914.5 | 911.2 | 899.9 | 886.5 | 865.5 | 839.6 | 800.8 | 723.8 | 611.8 | 458.3 | 326.9 |
| 42.5° | 884.9 | 879.5 | 866.0 | 849.8 | 827.8 | 794.9 | 733.0 | 639.8 | 497.1 | 357.6 | 228.9 |
| 45° | 825.6 | 821.8 | 805.1 | 793.3 | 766.9 | 724.4 | 644.7 | 527.3 | 384.5 | 258.5 | 132.5 |
| 47.5° | 641.4 | 642.0 | 654.9 | 660.8 | 651.7 | 617.7 | 524.0 | 400.7 | 280.6 | 154.0 | 44.7 |
| 50° | 574.1 | 571.4 | 558.5 | 540.7 | 511.1 | 460.5 | 384.5 | 283.3 | 165.9 | 50.1 | 6.5 |
| 52.5° | 435.7 | 435.7 | 429.2 | 420.1 | 388.8 | 339.8 | 260.1 | 156.7 | 58.2 | 8.6 | 1.6 |
| 55° | 188.0 | 178.3 | 183.6 | 193.9 | 185.8 | 161.6 | 121.7 | 46.9 | 10.2 | 1.6 | 1.6 |
| 57.5° | 2.7 | 6.5 | 9.7 | 15.6 | 21.0 | 25.3 | 13.5 | 4.8 | 1.6 | 1.6 | 1.6 |
| 60° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 62.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 65° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 67.5° | 1.1 | 1.1 | 1.1 | 1.6 | 1.1 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 70° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.6 | 1.6 |
| 72.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 75° | 0.5 | 0.5 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 77.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 80° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.1 | 1.1 | 1.1 |
| 82.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.1 | 1.1 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 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° | 371.6 | 371.6 | 371.6 | 371.6 | 371.6 | 371.6 | 371.6 | 371.6 |
| 2.5° | 440.0 | 430.8 | 415.8 | 370.0 | 322.6 | 279.0 | 247.7 | 235.9 |
| 5° | 493.3 | 476.6 | 451.3 | 357.6 | 263.4 | 183.6 | 138.4 | 120.6 |
| 7.5° | 535.3 | 513.8 | 477.2 | 336.1 | 193.3 | 98.0 | 58.7 | 46.3 |
| 10° | 563.3 | 539.6 | 491.7 | 304.3 | 128.2 | 45.8 | 22.1 | 18.3 |
| 12.5° | 583.8 | 554.2 | 497.1 | 263.4 | 75.4 | 21.0 | 11.8 | 10.8 |
| 15° | 598.9 | 560.6 | 490.6 | 213.3 | 41.5 | 12.4 | 9.7 | 9.7 |
| 17.5° | 619.9 | 563.9 | 475.0 | 157.3 | 23.7 | 9.2 | 9.2 | 9.2 |
| 20° | 636.0 | 563.9 | 445.4 | 107.2 | 14.5 | 8.1 | 8.1 | 8.1 |
| 22.5° | 644.1 | 555.3 | 409.3 | 67.9 | 10.2 | 7.5 | 8.1 | 8.1 |
| 25° | 636.0 | 534.3 | 363.0 | 41.5 | 8.1 | 7.0 | 7.5 | 8.1 |
| 27.5° | 606.4 | 492.2 | 301.1 | 26.4 | 6.5 | 7.0 | 7.5 | 8.1 |
| 30° | 556.9 | 431.4 | 231.0 | 17.2 | 5.9 | 7.0 | 7.5 | 8.1 |
| 32.5° | 486.9 | 340.9 | 149.7 | 11.3 | 5.4 | 7.0 | 7.5 | 8.1 |
| 35° | 380.2 | 241.3 | 90.5 | 7.0 | 5.4 | 7.0 | 8.1 | 8.6 |
| 37.5° | 284.9 | 161.0 | 49.0 | 4.3 | 5.4 | 7.0 | 8.1 | 8.6 |
| 40° | 197.7 | 93.7 | 21.0 | 3.8 | 5.4 | 7.5 | 8.6 | 8.6 |
| 42.5° | 114.7 | 37.2 | 5.4 | 3.2 | 5.4 | 7.5 | 8.6 | 9.2 |
| 45° | 42.0 | 7.5 | 1.6 | 3.2 | 5.9 | 7.5 | 8.6 | 9.7 |
| 47.5° | 5.9 | 1.6 | 1.6 | 3.2 | 5.9 | 7.5 | 9.2 | 9.7 |
| 50° | 1.6 | 1.6 | 1.6 | 3.2 | 5.9 | 8.1 | 9.7 | 10.2 |
| 52.5° | 1.6 | 1.6 | 1.6 | 3.2 | 5.9 | 8.1 | 9.7 | 10.2 |
| 55° | 1.6 | 1.6 | 1.6 | 3.2 | 5.9 | 8.1 | 9.7 | 10.2 |
| 57.5° | 1.6 | 1.6 | 1.6 | 3.2 | 5.9 | 8.1 | 9.7 | 10.2 |
| 60° | 1.6 | 1.6 | 1.6 | 3.2 | 5.4 | 8.1 | 9.7 | 10.2 |
| 62.5° | 1.6 | 1.6 | 1.6 | 3.2 | 5.4 | 7.5 | 9.2 | 9.7 |
| 65° | 1.6 | 1.6 | 1.6 | 3.2 | 4.8 | 7.0 | 9.2 | 9.2 |
| 67.5° | 1.6 | 1.6 | 1.6 | 2.7 | 4.8 | 7.0 | 8.6 | 9.2 |
| 70° | 1.6 | 1.6 | 1.6 | 2.7 | 4.3 | 6.5 | 8.1 | 8.6 |
| 72.5° | 1.6 | 1.6 | 1.6 | 2.2 | 3.8 | 5.9 | 7.5 | 8.1 |
| 75° | 1.1 | 1.6 | 1.6 | 2.2 | 3.8 | 5.4 | 7.0 | 7.5 |
| 77.5° | 1.1 | 1.6 | 1.6 | 1.6 | 3.2 | 4.3 | 5.9 | 6.5 |
| 80° | 1.1 | 1.1 | 1.6 | 1.6 | 2.7 | 3.8 | 4.8 | 5.4 |
| 82.5° | 1.1 | 1.1 | 1.1 | 1.6 | 2.2 | 2.7 | 3.8 | 3.8 |
| 85° | 1.1 | 1.1 | 1.1 | 1.1 | 1.6 | 2.2 | 2.7 | 2.7 |
| 87.5° | 0.5 | 0.5 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)