

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: P1318419

Luminaire Tested: LDSQA3D13R609830DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R609830DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

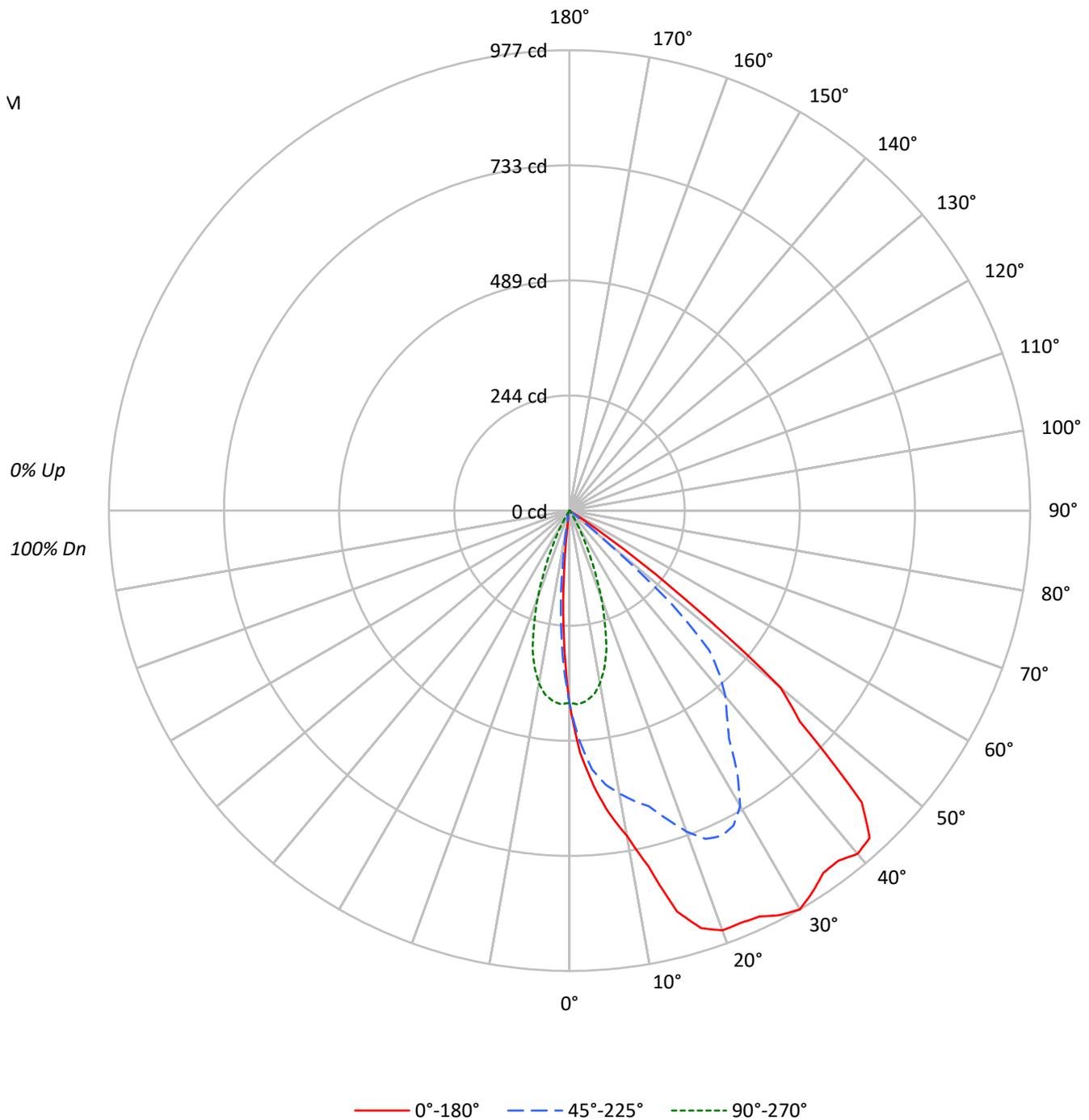
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 663.0 lumens
Efficiency: N/A
Efficacy: 45.7 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1318419

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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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 91 |
| 2 | 105 | 100 | 95 | 91 | 103 | 98 | 93 | 90 | 94 | 91 | 88 | 91 | 88 | 86 | 89 | 86 | 84 | 82 |
| 3 | 99 | 91 | 85 | 80 | 96 | 89 | 84 | 79 | 87 | 82 | 78 | 84 | 80 | 77 | 82 | 78 | 76 | 74 |
| 4 | 92 | 83 | 76 | 71 | 90 | 82 | 75 | 71 | 79 | 74 | 70 | 77 | 73 | 69 | 75 | 71 | 68 | 66 |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 68 | 63 | 73 | 67 | 63 | 71 | 66 | 62 | 69 | 65 | 61 | 60 |
| 6 | 80 | 69 | 62 | 57 | 79 | 69 | 62 | 57 | 67 | 61 | 56 | 65 | 60 | 56 | 64 | 59 | 56 | 54 |
| 7 | 75 | 64 | 57 | 52 | 74 | 63 | 56 | 51 | 62 | 56 | 51 | 60 | 55 | 51 | 59 | 54 | 50 | 49 |
| 8 | 70 | 59 | 52 | 47 | 69 | 58 | 51 | 47 | 57 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 44 |
| 9 | 66 | 55 | 47 | 43 | 65 | 54 | 47 | 43 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 40 |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 48 | 42 | 39 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 70250 | 70250 | 70250 | 70250 | 70250 |
| 5° | 101256 | 95361 | 70138 | 36132 | 23218 |
| 10° | 122486 | 106624 | 65125 | 4320 | 2536 |
| 15° | 156974 | 115822 | 53971 | 2853 | 2336 |
| 20° | 173727 | 132765 | 36179 | 1594 | 275 |
| 25° | 180677 | 144819 | 17786 | 133 | 0 |
| 30° | 194292 | 143919 | 4912 | 0 | 0 |
| 35° | 197315 | 123918 | 0 | 0 | 0 |
| 40° | 213760 | 115535 | 0 | 0 | 0 |
| 45° | 213553 | 102003 | 0 | 0 | 0 |
| 50° | 156364 | 24703 | 0 | 0 | 0 |
| 55° | 30507 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 285 | 285 | 0 | 0 |
| 70° | 0 | 352 | 352 | 0 | 0 |
| 75° | 0 | 466 | 466 | 0 | 0 |
| 80° | 0 | 694 | 694 | 694 | 0 |
| 85° | 0 | 1383 | 1383 | 1383 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 213918 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 35.0 | 5.3 |
| 10°-20° | 99.8 | 15.0 |
| 20°-30° | 159.0 | 24.0 |
| 30°-40° | 183.8 | 27.7 |
| 40°-50° | 146.0 | 22.0 |
| 50°-60° | 38.4 | 5.8 |
| 60°-70° | 0.3 | 0.0 |
| 70°-80° | 0.4 | 0.1 |
| 80°-90° | 0.4 | 0.1 |
| 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° | 293.8 | 44.3 |
| 0°-40° | 477.5 | 72.0 |
| 0°-60° | 661.9 | 99.8 |
| 0°-90° | 663.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 663.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 408 | 408 | 408 | 408 | 408 | |
| 5° | 586 | 552 | 406 | 209 | 134 | 59 |
| 15° | 880 | 650 | 303 | 16 | 13 | 245 |
| 25° | 951 | 762 | 94 | 1 | 0 | 443 |
| 35° | 938 | 589 | 0 | 0 | 0 | 596 |
| 45° | 877 | 419 | 0 | 0 | 0 | 624 |
| 55° | 102 | 0 | 0 | 0 | 0 | 153 |
| 65° | 0 | 1 | 1 | 0 | 0 | 0 |
| 75° | 0 | 1 | 1 | 0 | 0 | 0 |
| 85° | 0 | 1 | 1 | 1 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 407.9 | 407.9 | 407.9 | 407.9 | 407.9 | 407.9 | 407.9 | 407.9 | 407.9 | 407.9 | 407.9 |
| 2.5° | 513.2 | 518.2 | 516.1 | 513.9 | 508.8 | 506.6 | 506.6 | 500.8 | 491.4 | 489.9 | 483.4 |
| 5° | 585.7 | 587.2 | 587.2 | 585.7 | 582.1 | 576.3 | 574.9 | 569.1 | 560.3 | 551.6 | 542.9 |
| 7.5° | 648.9 | 648.2 | 643.8 | 640.9 | 634.4 | 626.4 | 619.1 | 611.2 | 598.1 | 586.5 | 574.1 |
| 10° | 700.4 | 702.6 | 699.0 | 691.7 | 683.0 | 672.1 | 660.5 | 646.7 | 627.1 | 609.7 | 593.7 |
| 12.5° | 773.0 | 772.3 | 762.9 | 750.5 | 729.5 | 709.1 | 691.0 | 675.8 | 651.8 | 630.8 | 611.2 |
| 15° | 880.4 | 879.0 | 870.3 | 859.4 | 828.9 | 798.4 | 767.2 | 724.4 | 684.5 | 649.6 | 622.0 |
| 17.5° | 929.1 | 932.0 | 924.7 | 918.9 | 901.5 | 881.2 | 853.6 | 810.8 | 749.1 | 685.9 | 627.8 |
| 20° | 947.9 | 951.6 | 946.5 | 945.8 | 937.8 | 928.3 | 905.8 | 859.4 | 799.1 | 724.4 | 652.5 |
| 22.5° | 947.2 | 950.1 | 947.9 | 957.4 | 966.8 | 961.7 | 934.2 | 887.7 | 826.0 | 754.1 | 672.9 |
| 25° | 950.8 | 948.7 | 940.7 | 954.5 | 968.3 | 963.9 | 950.1 | 910.2 | 842.7 | 762.1 | 680.1 |
| 27.5° | 967.5 | 951.6 | 935.6 | 953.0 | 959.6 | 961.0 | 953.0 | 905.8 | 839.8 | 753.4 | 665.6 |
| 30° | 977.0 | 959.6 | 946.5 | 961.0 | 961.0 | 969.0 | 952.3 | 898.6 | 815.1 | 723.7 | 627.1 |
| 32.5° | 959.6 | 955.9 | 967.5 | 982.1 | 985.7 | 985.7 | 948.7 | 874.6 | 773.7 | 662.7 | 565.4 |
| 35° | 938.5 | 947.2 | 980.6 | 987.1 | 987.1 | 971.2 | 926.2 | 832.5 | 712.0 | 589.4 | 519.7 |
| 37.5° | 936.3 | 950.1 | 987.1 | 979.2 | 966.1 | 936.3 | 871.0 | 759.2 | 624.2 | 548.0 | 485.6 |
| 40° | 950.8 | 963.9 | 985.7 | 956.7 | 925.4 | 879.0 | 800.6 | 663.4 | 571.2 | 513.9 | 444.2 |
| 42.5° | 942.1 | 954.5 | 955.2 | 912.4 | 868.1 | 805.0 | 701.2 | 585.7 | 532.8 | 470.3 | 397.0 |
| 45° | 876.8 | 878.3 | 875.4 | 829.6 | 783.9 | 718.6 | 608.3 | 547.3 | 490.7 | 418.8 | 291.8 |
| 47.5° | 662.7 | 659.8 | 670.7 | 657.6 | 659.8 | 620.6 | 552.4 | 502.3 | 434.8 | 294.0 | 88.6 |
| 50° | 583.6 | 579.9 | 569.1 | 557.4 | 545.8 | 527.0 | 495.0 | 441.3 | 313.6 | 92.2 | 2.9 |
| 52.5° | 312.8 | 330.3 | 364.4 | 416.6 | 436.2 | 434.8 | 410.8 | 326.6 | 98.7 | 0.7 | 0.0 |
| 55° | 101.6 | 100.2 | 111.8 | 132.1 | 181.5 | 209.0 | 217.8 | 111.1 | 2.2 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 2.2 | 7.3 | 18.9 | 24.7 | 1.5 | 0.0 | 0.7 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 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° | 407.9 | 407.9 | 407.9 | 407.9 | 407.9 | 407.9 | 407.9 | 407.9 |
| 2.5° | 474.7 | 464.5 | 452.9 | 411.5 | 362.9 | 315.7 | 281.6 | 272.9 |
| 5° | 529.1 | 511.7 | 487.0 | 405.7 | 299.8 | 209.0 | 149.5 | 134.3 |
| 7.5° | 557.4 | 542.2 | 516.1 | 394.1 | 232.3 | 103.1 | 38.5 | 26.1 |
| 10° | 574.9 | 556.7 | 527.7 | 372.4 | 151.7 | 24.7 | 13.8 | 14.5 |
| 12.5° | 587.2 | 566.2 | 533.5 | 341.1 | 76.9 | 12.3 | 17.4 | 18.1 |
| 15° | 592.3 | 569.8 | 532.8 | 302.7 | 27.6 | 16.0 | 15.2 | 13.1 |
| 17.5° | 589.4 | 561.1 | 523.3 | 247.5 | 9.4 | 15.2 | 8.0 | 6.5 |
| 20° | 585.7 | 553.8 | 508.1 | 197.4 | 8.0 | 8.7 | 2.9 | 1.5 |
| 22.5° | 597.4 | 541.5 | 487.0 | 141.5 | 8.0 | 2.9 | 0.0 | 0.0 |
| 25° | 598.8 | 536.4 | 460.2 | 93.6 | 3.6 | 0.7 | 0.0 | 0.0 |
| 27.5° | 584.3 | 506.6 | 418.8 | 55.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 537.8 | 469.6 | 374.5 | 24.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 492.1 | 428.2 | 325.2 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 455.8 | 385.4 | 270.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 410.8 | 334.6 | 201.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 363.6 | 270.0 | 100.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 283.8 | 128.5 | 10.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 108.9 | 11.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| 70° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| 75° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| 80° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 |
| 82.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| 85° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 |
| 87.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)