

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: P1314725

Luminaire Tested: LDSQA3D13R709730DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314725
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R709730DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

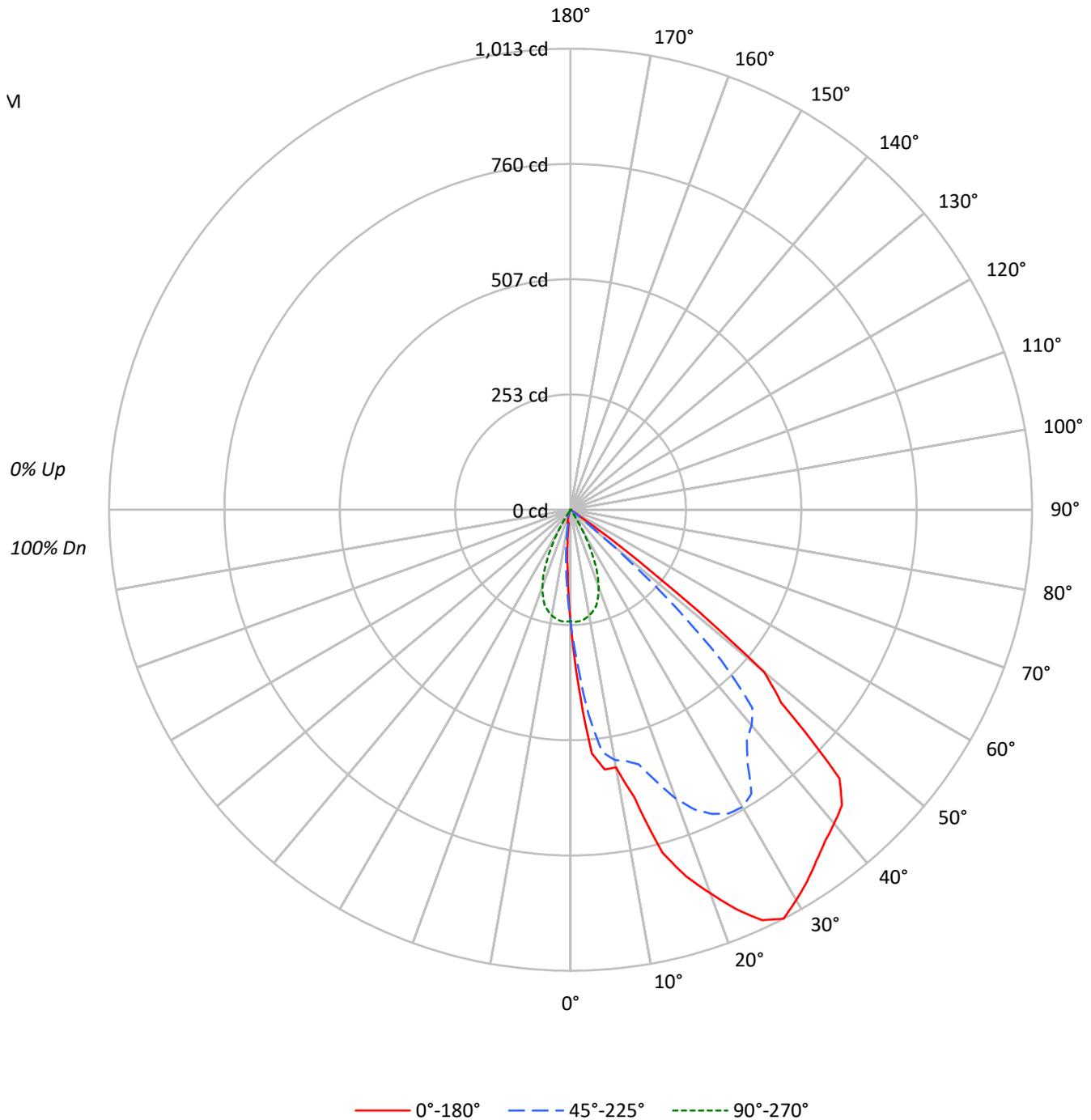
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 659.0 lumens
Efficiency: N/A
Efficacy: 45.1 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
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 (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





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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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | |
| 1 | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 91 | | |
| 2 | 105 | 99 | 94 | 90 | 103 | 98 | 93 | 89 | 94 | 91 | 87 | 91 | 88 | 85 | 88 | 86 | 84 | 82 | | |
| 3 | 98 | 90 | 84 | 79 | 96 | 89 | 83 | 79 | 86 | 81 | 77 | 84 | 80 | 76 | 81 | 78 | 75 | 73 | | |
| 4 | 92 | 82 | 76 | 70 | 90 | 81 | 75 | 70 | 79 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 66 | | |
| 5 | 85 | 75 | 68 | 63 | 84 | 74 | 67 | 62 | 72 | 66 | 62 | 70 | 65 | 61 | 69 | 64 | 61 | 59 | | |
| 6 | 80 | 69 | 61 | 56 | 78 | 68 | 61 | 56 | 66 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 55 | 53 | | |
| 7 | 74 | 63 | 56 | 50 | 73 | 62 | 55 | 50 | 61 | 55 | 50 | 59 | 54 | 50 | 58 | 53 | 49 | 48 | | |
| 8 | 69 | 58 | 51 | 46 | 68 | 57 | 50 | 45 | 56 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 45 | 43 | | |
| 9 | 65 | 53 | 46 | 41 | 64 | 53 | 46 | 41 | 52 | 45 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 39 | | |
| 10 | 61 | 49 | 42 | 38 | 60 | 49 | 42 | 38 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 36 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 42126 | 42126 | 42126 | 42126 | 42126 |
| 5° | 92923 | 77969 | 42442 | 19293 | 12707 |
| 10° | 100503 | 97583 | 41307 | 5369 | 5526 |
| 15° | 139108 | 103306 | 38958 | 5474 | 3976 |
| 20° | 164306 | 123729 | 33063 | 3244 | 1191 |
| 25° | 189096 | 140145 | 23335 | 532 | 0 |
| 30° | 196956 | 149984 | 10719 | 0 | 0 |
| 35° | 197862 | 142147 | 589 | 0 | 0 |
| 40° | 202384 | 139029 | 0 | 0 | 0 |
| 45° | 203397 | 113937 | 0 | 0 | 0 |
| 50° | 148514 | 23658 | 0 | 0 | 0 |
| 55° | 8377 | 0 | 0 | 0 | 0 |
| 60° | 0 | 310 | 310 | 0 | 0 |
| 65° | 0 | 0 | 367 | 0 | 0 |
| 70° | 0 | 453 | 453 | 0 | 0 |
| 75° | 0 | 599 | 599 | 0 | 0 |
| 80° | 0 | 893 | 893 | 893 | 0 |
| 85° | 0 | 1778 | 1778 | 1778 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 207245 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 26.8 | 4.1 |
| 10°-20° | 89.3 | 13.6 |
| 20°-30° | 160.6 | 24.4 |
| 30°-40° | 195.2 | 29.6 |
| 40°-50° | 150.8 | 22.9 |
| 50°-60° | 35.1 | 5.3 |
| 60°-70° | 0.2 | 0.0 |
| 70°-80° | 0.5 | 0.1 |
| 80°-90° | 0.5 | 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° | 276.7 | 42.0 |
| 0°-40° | 471.9 | 71.6 |
| 0°-60° | 657.8 | 99.8 |
| 0°-90° | 659.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 659.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 245 | 245 | 245 | 245 | 245 | |
| 5° | 538 | 451 | 246 | 112 | 74 | 51 |
| 15° | 780 | 579 | 218 | 31 | 22 | 218 |
| 25° | 995 | 738 | 123 | 3 | 0 | 453 |
| 35° | 941 | 676 | 3 | 0 | 0 | 591 |
| 45° | 835 | 468 | 0 | 0 | 0 | 590 |
| 55° | 28 | 0 | 0 | 0 | 0 | 115 |
| 65° | 0 | 0 | 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° | 244.6 | 244.6 | 244.6 | 244.6 | 244.6 | 244.6 | 244.6 | 244.6 | 244.6 | 244.6 | 244.6 |
| 2.5° | 381.3 | 381.3 | 383.1 | 382.2 | 373.8 | 370.1 | 358.0 | 351.5 | 349.7 | 334.8 | 329.2 |
| 5° | 537.5 | 538.4 | 533.8 | 532.9 | 523.6 | 517.1 | 506.8 | 491.0 | 475.2 | 451.0 | 429.6 |
| 7.5° | 575.6 | 574.7 | 573.8 | 573.8 | 571.9 | 568.2 | 563.6 | 558.9 | 552.4 | 537.5 | 520.8 |
| 10° | 574.7 | 574.7 | 573.8 | 573.8 | 572.9 | 573.8 | 572.9 | 570.1 | 567.3 | 558.0 | 548.7 |
| 12.5° | 647.2 | 641.7 | 634.2 | 623.1 | 604.5 | 590.5 | 574.7 | 570.1 | 568.2 | 565.4 | 559.8 |
| 15° | 780.2 | 775.6 | 759.8 | 740.2 | 721.6 | 690.0 | 664.9 | 630.5 | 603.5 | 579.4 | 567.3 |
| 17.5° | 844.4 | 847.2 | 829.5 | 817.4 | 799.8 | 774.7 | 744.9 | 709.6 | 671.4 | 625.9 | 589.6 |
| 20° | 896.5 | 899.3 | 884.4 | 872.3 | 851.8 | 825.8 | 799.8 | 761.6 | 725.4 | 675.1 | 627.7 |
| 22.5° | 949.5 | 951.3 | 937.4 | 919.7 | 896.5 | 869.5 | 836.0 | 797.0 | 757.9 | 713.3 | 663.1 |
| 25° | 995.1 | 993.2 | 969.9 | 944.8 | 922.5 | 893.7 | 861.1 | 823.0 | 785.8 | 737.5 | 690.0 |
| 27.5° | 1012.7 | 1011.8 | 985.8 | 961.6 | 935.5 | 896.5 | 867.6 | 834.2 | 795.1 | 752.3 | 704.0 |
| 30° | 990.4 | 1005.3 | 988.5 | 970.9 | 939.3 | 900.2 | 872.3 | 832.3 | 796.0 | 754.2 | 699.3 |
| 32.5° | 967.2 | 985.8 | 980.2 | 971.8 | 934.6 | 903.9 | 867.6 | 830.4 | 787.7 | 739.3 | 655.6 |
| 35° | 941.1 | 960.6 | 961.6 | 952.3 | 918.8 | 888.1 | 854.6 | 815.6 | 767.2 | 676.1 | 614.7 |
| 37.5° | 917.9 | 936.5 | 942.0 | 922.5 | 896.5 | 855.6 | 824.9 | 784.0 | 696.5 | 635.2 | 603.5 |
| 40° | 900.2 | 914.1 | 922.5 | 891.8 | 865.8 | 825.8 | 790.5 | 718.9 | 639.8 | 618.4 | 573.8 |
| 42.5° | 881.6 | 894.6 | 898.3 | 864.9 | 824.9 | 786.7 | 735.6 | 645.4 | 622.1 | 590.5 | 470.6 |
| 45° | 835.1 | 850.9 | 841.6 | 809.1 | 779.3 | 739.3 | 663.1 | 624.0 | 598.9 | 467.8 | 289.2 |
| 47.5° | 626.8 | 644.5 | 669.6 | 678.9 | 689.1 | 660.3 | 618.4 | 604.5 | 491.9 | 283.6 | 90.2 |
| 50° | 554.3 | 551.5 | 551.5 | 556.1 | 564.5 | 573.8 | 585.9 | 509.6 | 295.7 | 88.3 | 0.0 |
| 52.5° | 226.0 | 237.1 | 292.0 | 341.3 | 398.0 | 454.7 | 472.4 | 312.5 | 115.3 | 1.9 | 0.0 |
| 55° | 27.9 | 27.9 | 39.1 | 67.0 | 110.7 | 178.6 | 200.9 | 100.4 | 8.4 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.9 | 7.4 | 20.5 | 13.9 | 3.7 | 0.9 | 0.9 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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° | 244.6 | 244.6 | 244.6 | 244.6 | 244.6 | 244.6 | 244.6 | 244.6 |
| 2.5° | 319.9 | 308.7 | 292.9 | 246.4 | 206.4 | 171.1 | 150.7 | 140.4 |
| 5° | 409.2 | 382.2 | 345.9 | 245.5 | 167.4 | 111.6 | 83.7 | 73.5 |
| 7.5° | 494.7 | 464.0 | 402.7 | 241.8 | 128.3 | 65.1 | 36.3 | 28.8 |
| 10° | 531.9 | 509.6 | 454.7 | 236.2 | 93.0 | 30.7 | 30.7 | 31.6 |
| 12.5° | 546.8 | 530.1 | 485.4 | 227.8 | 61.4 | 29.8 | 31.6 | 29.8 |
| 15° | 557.0 | 541.2 | 500.3 | 218.5 | 35.3 | 30.7 | 25.1 | 22.3 |
| 17.5° | 562.6 | 544.0 | 505.0 | 200.9 | 23.2 | 26.0 | 15.8 | 13.0 |
| 20° | 580.3 | 550.5 | 508.7 | 180.4 | 22.3 | 17.7 | 8.4 | 6.5 |
| 22.5° | 610.0 | 563.6 | 509.6 | 155.3 | 17.7 | 10.2 | 2.8 | 0.0 |
| 25° | 637.0 | 581.2 | 512.4 | 122.8 | 5.6 | 2.8 | 0.0 | 0.0 |
| 27.5° | 650.0 | 586.8 | 511.5 | 86.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 634.2 | 572.9 | 503.1 | 53.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 597.0 | 562.6 | 477.1 | 23.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 584.9 | 540.3 | 417.5 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 558.0 | 476.1 | 306.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 479.9 | 344.1 | 146.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 317.1 | 146.9 | 8.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 111.6 | 9.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 1.9 | 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° | 0.9 | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 |
| 75° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 |
| 80° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 |
| 82.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 |
| 85° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 |
| 87.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)