

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: P1308975

Luminaire Tested: LDSQA3D05R559030DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308975
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R559030DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

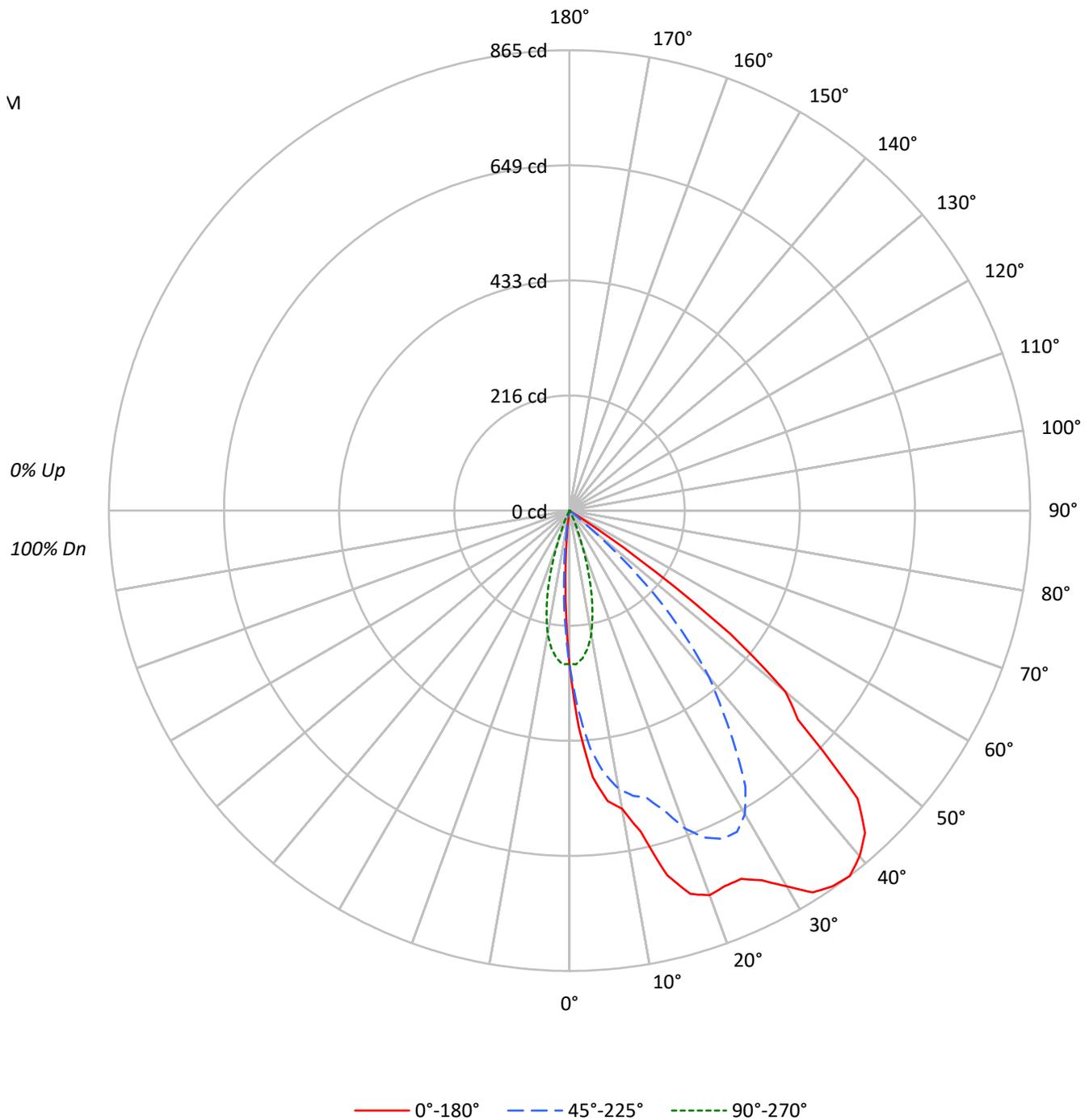
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 533.0 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
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 (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

TEST NUMBER: P1308975
CATALOG NUMBER: LDSQA3D05R559030DE010 3LSQCA30R 1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1308975
 CATALOG NUMBER: LDSQA3D05R559030DE010 3LSQCA30R 1MMS

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 | 100 | 100 |
| 1 | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 91 | 91 | 91 | 91 |
| 2 | 105 | 99 | 95 | 90 | 103 | 98 | 93 | 89 | 94 | 91 | 87 | 91 | 88 | 86 | 88 | 86 | 84 | 82 | 82 | 82 | 82 |
| 3 | 98 | 91 | 84 | 80 | 96 | 89 | 83 | 79 | 86 | 82 | 78 | 84 | 80 | 76 | 81 | 78 | 75 | 73 | 73 | 73 | 73 |
| 4 | 92 | 82 | 76 | 71 | 90 | 81 | 75 | 70 | 79 | 74 | 69 | 77 | 72 | 68 | 75 | 71 | 68 | 66 | 66 | 66 | 66 |
| 5 | 86 | 75 | 68 | 63 | 84 | 74 | 68 | 63 | 72 | 67 | 62 | 71 | 65 | 61 | 69 | 64 | 61 | 59 | 59 | 59 | 59 |
| 6 | 80 | 69 | 62 | 56 | 78 | 68 | 61 | 56 | 66 | 60 | 56 | 65 | 60 | 55 | 64 | 59 | 55 | 53 | 53 | 53 | 53 |
| 7 | 75 | 63 | 56 | 51 | 73 | 63 | 56 | 51 | 61 | 55 | 50 | 60 | 54 | 50 | 59 | 54 | 50 | 48 | 48 | 48 | 48 |
| 8 | 70 | 58 | 51 | 46 | 68 | 58 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 54 | 49 | 45 | 44 | 44 | 44 | 44 |
| 9 | 66 | 54 | 47 | 42 | 64 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 50 | 45 | 41 | 40 | 40 | 40 | 40 |
| 10 | 62 | 50 | 43 | 38 | 60 | 49 | 43 | 38 | 49 | 42 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 36 | 36 | 36 | 36 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 49600 | 49600 | 49600 | 49600 | 49600 |
| 5° | 86942 | 77502 | 48147 | 20002 | 11514 |
| 10° | 99506 | 92756 | 41167 | 2186 | 787 |
| 15° | 126467 | 99579 | 28225 | 446 | 267 |
| 20° | 140921 | 116490 | 12389 | 0 | 0 |
| 25° | 145066 | 129256 | 3515 | 0 | 0 |
| 30° | 162056 | 130993 | 497 | 0 | 0 |
| 35° | 181126 | 113743 | 0 | 0 | 0 |
| 40° | 190536 | 91547 | 0 | 0 | 0 |
| 45° | 186299 | 57821 | 0 | 0 | 0 |
| 50° | 141843 | 11816 | 0 | 0 | 0 |
| 55° | 46480 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 204 | 204 | 0 | 0 |
| 70° | 0 | 252 | 252 | 0 | 0 |
| 75° | 0 | 333 | 333 | 0 | 0 |
| 80° | 0 | 496 | 992 | 496 | 0 |
| 85° | 0 | 988 | 988 | 988 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 186299 cd/sqm



TEST NUMBER: P1308975
 CATALOG NUMBER: LDSQA3D05R559030DE010 3LSQCA30R 1MMS

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 26.3 | 4.9 |
| 10°-20° | 77.1 | 14.5 |
| 20°-30° | 125.4 | 23.5 |
| 30°-40° | 149.0 | 28.0 |
| 40°-50° | 121.9 | 22.9 |
| 50°-60° | 32.3 | 6.1 |
| 60°-70° | 0.2 | 0.0 |
| 70°-80° | 0.3 | 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° | 228.8 | 42.9 |
| 0°-40° | 377.9 | 70.9 |
| 0°-60° | 532.1 | 99.8 |
| 0°-90° | 533.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 533.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 288 | 288 | 288 | 288 | 288 | |
| 5° | 503 | 448 | 278 | 116 | 67 | 49 |
| 15° | 709 | 558 | 158 | 2 | 2 | 198 |
| 25° | 763 | 680 | 18 | 0 | 0 | 359 |
| 35° | 862 | 541 | 0 | 0 | 0 | 536 |
| 45° | 765 | 237 | 0 | 0 | 0 | 549 |
| 55° | 155 | 0 | 0 | 0 | 0 | 174 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1308975
 CATALOG NUMBER: LDSQA3D05R559030DE010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 67.5° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 288.0 | 288.0 | 288.0 | 288.0 | 288.0 | 288.0 | 288.0 | 288.0 | 288.0 | 288.0 | 288.0 |
| 2.5° | 408.7 | 405.7 | 406.2 | 404.7 | 406.2 | 399.7 | 392.7 | 386.2 | 381.2 | 374.2 | 331.6 |
| 5° | 502.9 | 497.9 | 496.4 | 494.4 | 492.4 | 484.4 | 477.8 | 469.8 | 460.3 | 448.3 | 370.2 |
| 7.5° | 550.5 | 546.5 | 544.5 | 545.5 | 541.0 | 538.0 | 529.4 | 520.4 | 510.4 | 497.4 | 399.2 |
| 10° | 569.0 | 565.0 | 564.5 | 564.0 | 563.5 | 561.5 | 557.5 | 549.5 | 540.5 | 530.4 | 415.7 |
| 12.5° | 617.6 | 608.6 | 602.6 | 595.6 | 587.0 | 576.0 | 567.0 | 560.0 | 556.5 | 548.5 | 423.2 |
| 15° | 709.3 | 700.7 | 694.2 | 685.2 | 669.2 | 645.6 | 624.1 | 596.6 | 572.5 | 558.5 | 420.2 |
| 17.5° | 755.3 | 751.3 | 745.8 | 739.8 | 728.8 | 711.8 | 689.7 | 660.7 | 630.1 | 590.5 | 405.7 |
| 20° | 768.9 | 766.9 | 762.9 | 760.3 | 752.8 | 740.8 | 725.8 | 703.2 | 674.7 | 635.6 | 383.2 |
| 22.5° | 763.4 | 764.9 | 766.9 | 773.4 | 774.4 | 765.9 | 751.8 | 730.3 | 701.2 | 665.2 | 348.6 |
| 25° | 763.4 | 762.3 | 762.3 | 775.9 | 784.4 | 780.4 | 770.4 | 750.8 | 721.3 | 680.2 | 306.0 |
| 27.5° | 782.9 | 776.9 | 764.4 | 778.4 | 792.4 | 790.9 | 781.9 | 758.8 | 725.8 | 680.7 | 253.9 |
| 30° | 814.9 | 801.9 | 781.4 | 794.4 | 807.4 | 801.9 | 787.4 | 757.8 | 715.8 | 658.7 | 190.3 |
| 32.5° | 850.5 | 844.5 | 834.0 | 842.5 | 840.5 | 818.4 | 792.4 | 751.3 | 695.2 | 614.6 | 128.2 |
| 35° | 861.5 | 862.5 | 855.5 | 854.0 | 842.5 | 820.0 | 792.4 | 732.8 | 652.2 | 541.0 | 76.1 |
| 37.5° | 865.0 | 865.5 | 854.5 | 840.5 | 823.5 | 796.9 | 763.9 | 694.7 | 572.5 | 469.8 | 40.6 |
| 40° | 847.5 | 847.0 | 829.0 | 811.9 | 792.9 | 766.9 | 718.8 | 614.6 | 496.9 | 407.2 | 14.5 |
| 42.5° | 821.5 | 814.9 | 797.9 | 776.9 | 753.8 | 721.3 | 646.1 | 518.9 | 431.8 | 326.1 | 1.0 |
| 45° | 764.9 | 758.8 | 745.3 | 722.8 | 697.2 | 651.2 | 532.4 | 445.8 | 351.1 | 237.4 | 0.0 |
| 47.5° | 581.5 | 578.5 | 592.5 | 595.6 | 595.1 | 542.5 | 444.3 | 363.6 | 258.0 | 138.2 | 0.0 |
| 50° | 529.4 | 525.4 | 511.4 | 493.4 | 461.3 | 417.2 | 356.1 | 269.5 | 151.3 | 44.1 | 0.0 |
| 52.5° | 380.2 | 393.2 | 396.2 | 382.7 | 352.6 | 309.0 | 245.4 | 155.3 | 52.6 | 0.0 | 0.0 |
| 55° | 154.8 | 146.8 | 152.8 | 160.3 | 166.3 | 152.8 | 113.2 | 55.1 | 0.5 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.5 | 3.0 | 7.0 | 11.5 | 14.5 | 15.5 | 1.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.5 | 0.5 | 0.5 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 |



TEST NUMBER: P1308975
 CATALOG NUMBER: LDSQA3D05R559030DE010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (continued):

| | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|--------|-------|--------|-------|
| 0° | 288.0 | 288.0 | 288.0 | 288.0 | 288.0 |
| 2.5° | 289.0 | 244.4 | 201.4 | 177.8 | 166.3 |
| 5° | 278.5 | 186.8 | 115.7 | 80.1 | 66.6 |
| 7.5° | 261.0 | 128.2 | 46.1 | 19.0 | 13.5 |
| 10° | 235.4 | 73.6 | 12.5 | 5.0 | 4.5 |
| 12.5° | 198.9 | 33.6 | 4.5 | 3.5 | 3.5 |
| 15° | 158.3 | 11.5 | 2.5 | 2.0 | 1.5 |
| 17.5° | 111.2 | 3.0 | 1.0 | 0.0 | 0.0 |
| 20° | 67.6 | 0.5 | 0.0 | 0.0 | 0.0 |
| 22.5° | 37.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25° | 18.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27.5° | 8.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 |
| 70° | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 |
| 75° | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 |
| 77.5° | 1.0 | 0.5 | 0.5 | 0.0 | 0.0 |
| 80° | 1.0 | 0.5 | 0.5 | 0.0 | 0.0 |
| 82.5° | 1.0 | 0.5 | 0.5 | 0.0 | 0.0 |
| 85° | 0.5 | 0.5 | 0.5 | 0.0 | 0.0 |
| 87.5° | 1.0 | 0.5 | 0.5 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)