

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: P1319681

Luminaire Tested: LDSQA3D02R359840DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319681
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R359840DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

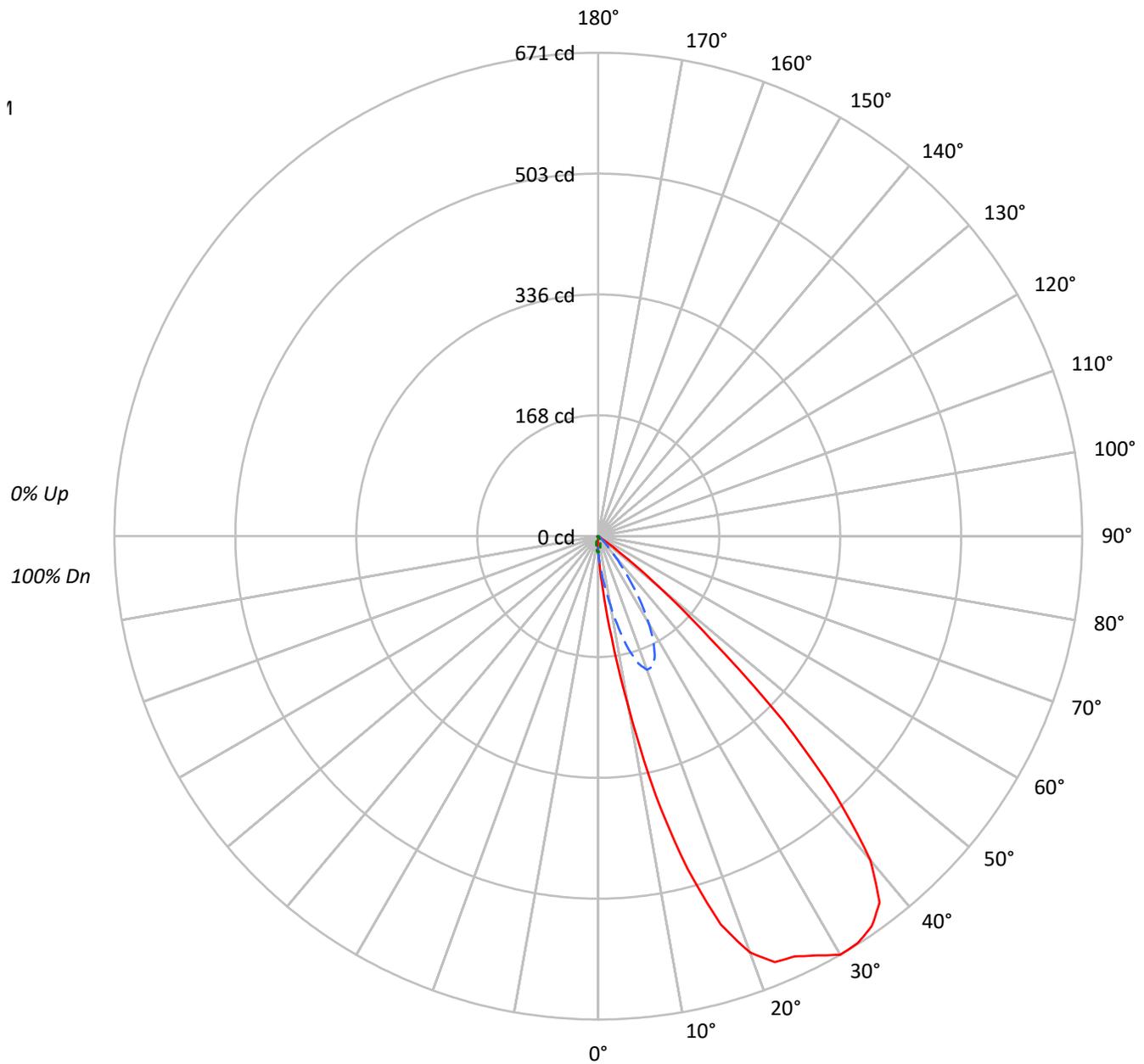
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 211.1 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 94 | 93 | 96 | 94 | 93 | 91 |
| 2 | 106 | 100 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 91 | 88 | 92 | 89 | 86 | 89 | 87 | 84 | 89 | 87 | 84 | 83 |
| 3 | 99 | 91 | 85 | 81 | 97 | 90 | 84 | 80 | 87 | 82 | 79 | 85 | 81 | 77 | 82 | 79 | 76 | 82 | 79 | 76 | 74 |
| 4 | 92 | 83 | 77 | 72 | 91 | 82 | 76 | 71 | 80 | 75 | 71 | 78 | 73 | 70 | 76 | 72 | 69 | 76 | 72 | 69 | 67 |
| 5 | 86 | 76 | 69 | 64 | 85 | 75 | 69 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 70 | 66 | 62 | 60 |
| 6 | 81 | 70 | 63 | 58 | 79 | 69 | 62 | 58 | 68 | 62 | 57 | 66 | 61 | 57 | 65 | 60 | 56 | 65 | 60 | 56 | 55 |
| 7 | 75 | 64 | 57 | 52 | 74 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 60 | 55 | 51 | 60 | 55 | 51 | 49 |
| 8 | 71 | 59 | 52 | 47 | 69 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 55 | 50 | 46 | 55 | 50 | 46 | 45 |
| 9 | 66 | 55 | 48 | 43 | 65 | 54 | 47 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 51 | 46 | 42 | 51 | 46 | 42 | 41 |
| 10 | 62 | 50 | 44 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 47 | 42 | 39 | 47 | 42 | 39 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0° | 3823 | 3823 | 3823 | 3823 | 3823 |
| 5° | 13001 | 8454 | 3561 | 1504 | 1106 |
| 10° | 41831 | 17121 | 2816 | 560 | 367 |
| 15° | 85244 | 29045 | 1997 | 196 | 143 |
| 20° | 112714 | 36179 | 1283 | 73 | 73 |
| 25° | 122301 | 35174 | 722 | 38 | 76 |
| 30° | 133419 | 28020 | 298 | 40 | 80 |
| 35° | 139014 | 17450 | 84 | 42 | 84 |
| 40° | 131925 | 7621 | 45 | 90 | 135 |
| 45° | 88071 | 3044 | 49 | 146 | 219 |
| 50° | 29526 | 509 | 107 | 214 | 295 |
| 55° | 1651 | 60 | 120 | 270 | 390 |
| 60° | 138 | 69 | 207 | 310 | 448 |
| 65° | 163 | 82 | 245 | 367 | 530 |
| 70° | 101 | 101 | 302 | 453 | 554 |
| 75° | 133 | 133 | 399 | 532 | 599 |
| 80° | 0 | 198 | 595 | 595 | 595 |
| 85° | 0 | 395 | 1186 | 395 | 790 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 88071 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 3.8 | 1.8 |
| 10°-20° | 30.3 | 14.4 |
| 20°-30° | 64.0 | 30.3 |
| 30°-40° | 72.6 | 34.4 |
| 40°-50° | 35.7 | 16.9 |
| 50°-60° | 3.1 | 1.5 |
| 60°-70° | 0.6 | 0.3 |
| 70°-80° | 0.6 | 0.3 |
| 80°-90° | 0.3 | 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° | 98.1 | 46.5 |
| 0°-40° | 170.7 | 80.9 |
| 0°-60° | 209.5 | 99.3 |
| 0°-90° | 211.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 211.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 22 | 22 | 22 | 22 | 22 | |
| 5° | 75 | 49 | 21 | 9 | 6 | 12 |
| 15° | 478 | 163 | 11 | 1 | 1 | 136 |
| 25° | 644 | 185 | 4 | 0 | 0 | 299 |
| 35° | 661 | 83 | 0 | 0 | 0 | 408 |
| 45° | 362 | 12 | 0 | 1 | 1 | 267 |
| 55° | 6 | 0 | 0 | 1 | 1 | 22 |
| 65° | 0 | 0 | 1 | 1 | 1 | 0 |
| 75° | 0 | 0 | 1 | 1 | 1 | 0 |
| 85° | 0 | 0 | 1 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1319681

CATALOG NUMBER: LDSQA3D02R359840DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 67.5° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 |
| 2.5° | 38.4 | 39.4 | 39.0 | 38.8 | 38.6 | 37.9 | 36.2 | 36.0 | 34.3 | 33.1 | 27.5 |
| 5° | 75.2 | 73.7 | 74.1 | 72.0 | 69.3 | 65.5 | 63.1 | 57.8 | 53.4 | 48.9 | 32.0 |
| 7.5° | 141.7 | 139.6 | 135.6 | 129.6 | 123.3 | 115.2 | 102.8 | 93.0 | 81.6 | 70.8 | 35.6 |
| 10° | 239.2 | 238.1 | 233.0 | 217.4 | 203.8 | 182.0 | 161.6 | 140.0 | 118.8 | 97.9 | 38.1 |
| 12.5° | 369.5 | 361.8 | 352.5 | 331.8 | 304.9 | 277.7 | 237.3 | 200.0 | 166.1 | 131.3 | 38.3 |
| 15° | 478.1 | 473.1 | 460.1 | 433.2 | 400.8 | 361.4 | 313.5 | 263.3 | 212.1 | 162.9 | 36.4 |
| 17.5° | 565.4 | 557.8 | 540.9 | 514.6 | 477.3 | 426.2 | 370.1 | 308.9 | 246.6 | 185.4 | 33.1 |
| 20° | 615.0 | 611.0 | 598.1 | 571.8 | 531.1 | 475.2 | 411.4 | 340.2 | 268.2 | 197.4 | 29.0 |
| 22.5° | 640.0 | 637.2 | 627.7 | 606.7 | 568.6 | 512.3 | 439.2 | 356.5 | 274.5 | 196.0 | 24.6 |
| 25° | 643.6 | 642.8 | 634.7 | 618.8 | 587.0 | 531.3 | 451.4 | 359.5 | 269.3 | 185.1 | 20.5 |
| 27.5° | 656.1 | 653.5 | 643.8 | 627.9 | 595.9 | 534.5 | 447.2 | 349.1 | 252.9 | 165.7 | 17.0 |
| 30° | 670.9 | 669.0 | 659.3 | 642.8 | 605.0 | 531.5 | 432.4 | 326.0 | 226.5 | 140.9 | 12.7 |
| 32.5° | 669.7 | 669.0 | 660.8 | 643.4 | 598.5 | 513.7 | 406.1 | 291.3 | 190.7 | 111.2 | 8.0 |
| 35° | 661.2 | 658.6 | 648.3 | 621.4 | 561.8 | 467.8 | 356.1 | 244.3 | 151.0 | 83.0 | 5.1 |
| 37.5° | 640.8 | 635.1 | 617.8 | 572.2 | 496.1 | 397.2 | 290.0 | 188.6 | 106.8 | 55.5 | 3.2 |
| 40° | 586.8 | 579.6 | 544.9 | 489.8 | 410.1 | 312.9 | 215.7 | 129.7 | 70.5 | 33.9 | 1.3 |
| 42.5° | 486.8 | 472.2 | 437.5 | 380.9 | 306.1 | 221.2 | 141.7 | 84.1 | 41.5 | 20.5 | 0.4 |
| 45° | 361.6 | 350.4 | 314.0 | 262.7 | 200.6 | 141.9 | 85.8 | 45.5 | 22.9 | 12.5 | 0.2 |
| 47.5° | 210.6 | 203.8 | 185.1 | 151.3 | 110.8 | 74.4 | 43.9 | 24.4 | 13.4 | 6.1 | 0.2 |
| 50° | 110.2 | 101.7 | 87.5 | 66.3 | 48.9 | 34.3 | 21.4 | 13.1 | 6.6 | 1.9 | 0.2 |
| 52.5° | 38.6 | 38.1 | 34.7 | 26.1 | 21.2 | 15.3 | 10.4 | 5.7 | 1.9 | 0.4 | 0.2 |
| 55° | 5.5 | 5.5 | 5.1 | 5.7 | 6.1 | 5.5 | 3.6 | 1.5 | 0.4 | 0.2 | 0.2 |
| 57.5° | 0.4 | 0.4 | 0.4 | 0.6 | 0.8 | 0.8 | 0.6 | 0.2 | 0.2 | 0.2 | 0.4 |
| 60° | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 |
| 62.5° | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 |
| 65° | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 |
| 67.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 |
| 70° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.6 |
| 72.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.6 |
| 75° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.6 |
| 77.5° | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.6 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.4 |
| 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: P1319681

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CANDELA DISTRIBUTION (continued):

| | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|------|--------|------|--------|------|
| 0° | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 |
| 2.5° | 22.0 | 17.6 | 14.0 | 12.3 | 11.7 |
| 5° | 20.6 | 13.3 | 8.7 | 6.8 | 6.4 |
| 7.5° | 18.4 | 9.5 | 5.3 | 3.8 | 3.6 |
| 10° | 16.1 | 6.8 | 3.2 | 2.3 | 2.1 |
| 12.5° | 13.4 | 4.7 | 2.1 | 1.3 | 1.1 |
| 15° | 11.2 | 3.2 | 1.1 | 0.9 | 0.8 |
| 17.5° | 8.9 | 2.1 | 0.8 | 0.6 | 0.8 |
| 20° | 7.0 | 1.3 | 0.4 | 0.4 | 0.4 |
| 22.5° | 5.3 | 0.8 | 0.4 | 0.4 | 0.4 |
| 25° | 3.8 | 0.4 | 0.2 | 0.2 | 0.4 |
| 27.5° | 2.7 | 0.2 | 0.2 | 0.2 | 0.4 |
| 30° | 1.5 | 0.2 | 0.2 | 0.2 | 0.4 |
| 32.5° | 0.8 | 0.2 | 0.2 | 0.4 | 0.4 |
| 35° | 0.4 | 0.2 | 0.2 | 0.4 | 0.4 |
| 37.5° | 0.2 | 0.2 | 0.2 | 0.4 | 0.6 |
| 40° | 0.2 | 0.2 | 0.4 | 0.6 | 0.6 |
| 42.5° | 0.2 | 0.2 | 0.4 | 0.6 | 0.8 |
| 45° | 0.2 | 0.4 | 0.6 | 0.8 | 0.9 |
| 47.5° | 0.4 | 0.4 | 0.8 | 0.9 | 1.1 |
| 50° | 0.4 | 0.6 | 0.8 | 1.1 | 1.1 |
| 52.5° | 0.4 | 0.6 | 0.9 | 1.1 | 1.3 |
| 55° | 0.4 | 0.8 | 0.9 | 1.3 | 1.3 |
| 57.5° | 0.6 | 0.8 | 0.9 | 1.3 | 1.3 |
| 60° | 0.6 | 0.8 | 0.9 | 1.3 | 1.3 |
| 62.5° | 0.6 | 0.8 | 0.9 | 1.3 | 1.3 |
| 65° | 0.6 | 0.8 | 0.9 | 1.3 | 1.3 |
| 67.5° | 0.6 | 0.8 | 0.9 | 1.1 | 1.3 |
| 70° | 0.6 | 0.8 | 0.9 | 1.1 | 1.1 |
| 72.5° | 0.8 | 0.8 | 0.9 | 1.1 | 1.1 |
| 75° | 0.6 | 0.8 | 0.8 | 0.9 | 0.9 |
| 77.5° | 0.6 | 0.6 | 0.6 | 0.8 | 0.8 |
| 80° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 82.5° | 0.6 | 0.4 | 0.4 | 0.6 | 0.6 |
| 85° | 0.6 | 0.4 | 0.2 | 0.4 | 0.4 |
| 87.5° | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)