

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: P1311151

Luminaire Tested: LDSQA3D05R309040DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311151
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309040DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

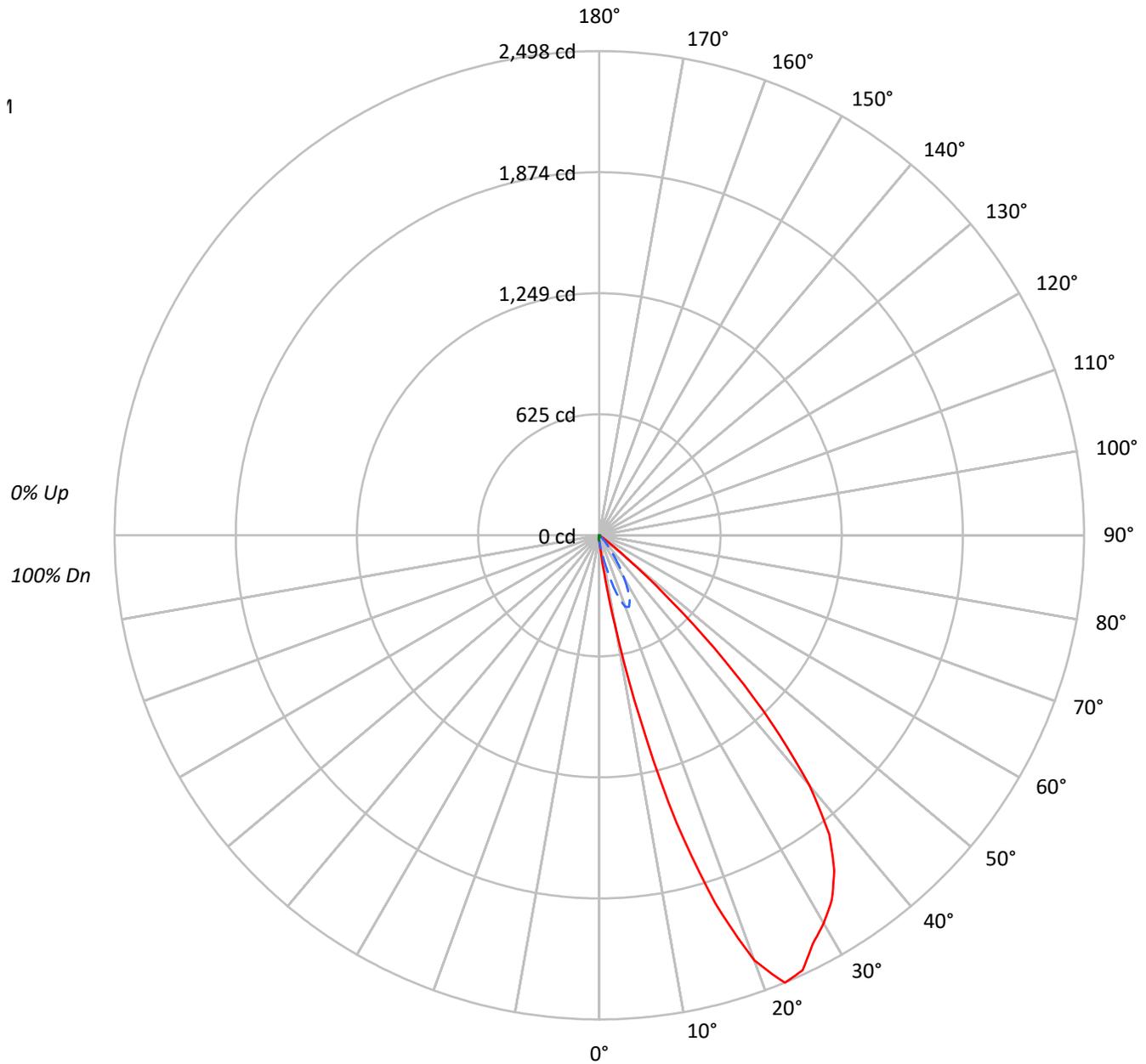
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 589.0 lumens
Efficiency: N/A
Efficacy: 81.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
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

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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 | | | | |
| 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 | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 95 | 93 | 96 | 95 | 93 | 92 |
| 2 | 106 | 100 | 95 | 92 | 103 | 98 | 94 | 90 | 95 | 92 | 88 | 92 | 89 | 87 | 89 | 87 | 85 | 89 | 87 | 85 | 83 |
| 3 | 99 | 92 | 86 | 81 | 97 | 90 | 85 | 81 | 88 | 83 | 79 | 85 | 81 | 78 | 83 | 79 | 77 | 83 | 79 | 77 | 75 |
| 4 | 93 | 84 | 77 | 72 | 91 | 83 | 77 | 72 | 80 | 75 | 71 | 78 | 74 | 70 | 76 | 73 | 69 | 76 | 73 | 69 | 68 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 69 | 65 | 74 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 71 | 66 | 63 | 61 |
| 6 | 81 | 71 | 64 | 58 | 80 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 61 | 57 | 65 | 61 | 57 | 65 | 61 | 57 | 55 |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 53 | 63 | 57 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 60 | 55 | 52 | 50 |
| 8 | 71 | 60 | 53 | 48 | 70 | 59 | 52 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 56 | 51 | 47 | 45 |
| 9 | 67 | 55 | 48 | 43 | 65 | 55 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 52 | 46 | 43 | 52 | 46 | 43 | 41 |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 44 | 39 | 49 | 43 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 48 | 43 | 39 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0° | 4822 | 4822 | 4822 | 4822 | 4822 |
| 5° | 14522 | 9681 | 4564 | 2040 | 1677 |
| 10° | 84047 | 20513 | 3585 | 944 | 665 |
| 15° | 273402 | 46536 | 2496 | 196 | 89 |
| 20° | 427802 | 72009 | 1576 | 0 | 0 |
| 25° | 470658 | 70367 | 817 | 0 | 0 |
| 30° | 459698 | 50731 | 318 | 0 | 0 |
| 35° | 443680 | 28846 | 105 | 0 | 0 |
| 40° | 378373 | 12230 | 0 | 0 | 0 |
| 45° | 222053 | 4579 | 122 | 0 | 122 |
| 50° | 53934 | 857 | 134 | 134 | 429 |
| 55° | 4684 | 0 | 330 | 480 | 661 |
| 60° | 172 | 0 | 379 | 551 | 930 |
| 65° | 204 | 204 | 652 | 652 | 1100 |
| 70° | 252 | 252 | 806 | 806 | 1108 |
| 75° | 0 | 333 | 1065 | 1065 | 1065 |
| 80° | 0 | 496 | 1587 | 1091 | 1091 |
| 85° | 0 | 988 | 3162 | 988 | 988 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 222053 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 5.1 | 0.9 |
| 10°-20° | 81.0 | 13.7 |
| 20°-30° | 205.7 | 34.9 |
| 30°-40° | 205.0 | 34.8 |
| 40°-50° | 83.1 | 14.1 |
| 50°-60° | 5.7 | 1.0 |
| 60°-70° | 1.3 | 0.2 |
| 70°-80° | 1.3 | 0.2 |
| 80°-90° | 0.7 | 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° | 291.8 | 49.5 |
| 0°-40° | 496.9 | 84.4 |
| 0°-60° | 585.7 | 99.4 |
| 0°-90° | 589.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 589.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 28 | 28 | 28 | 28 | 28 | |
| 5° | 84 | 56 | 26 | 12 | 10 | 19 |
| 15° | 1533 | 261 | 14 | 1 | 0 | 446 |
| 25° | 2477 | 370 | 4 | 0 | 0 | 1118 |
| 35° | 2110 | 137 | 0 | 0 | 0 | 1294 |
| 45° | 912 | 19 | 0 | 0 | 0 | 696 |
| 55° | 16 | 0 | 1 | 2 | 2 | 41 |
| 65° | 0 | 0 | 2 | 2 | 3 | 0 |
| 75° | 0 | 0 | 2 | 2 | 2 | 0 |
| 85° | 0 | 0 | 2 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1311151

CATALOG NUMBER: LDSQA3D05R309040DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 67.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0° | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 2.5° | 46.3 | 46.8 | 46.8 | 45.7 | 45.2 | 45.2 | 43.6 | 43.1 | 41.4 | 39.8 | 34.4 |
| 5° | 84.0 | 82.3 | 80.2 | 80.2 | 75.3 | 72.7 | 68.9 | 64.6 | 61.4 | 56.0 | 39.8 |
| 7.5° | 190.5 | 177.6 | 173.8 | 169.0 | 150.7 | 136.2 | 119.5 | 105.0 | 91.5 | 80.2 | 44.1 |
| 10° | 480.6 | 455.3 | 434.3 | 391.8 | 338.5 | 287.4 | 240.0 | 185.1 | 147.5 | 117.3 | 47.4 |
| 12.5° | 968.2 | 934.3 | 894.0 | 816.5 | 716.9 | 589.3 | 476.3 | 355.8 | 249.7 | 172.8 | 48.4 |
| 15° | 1533.4 | 1475.8 | 1412.8 | 1314.3 | 1151.2 | 968.2 | 764.3 | 572.1 | 401.0 | 261.0 | 47.4 |
| 17.5° | 1994.1 | 1971.5 | 1878.4 | 1743.8 | 1544.1 | 1308.4 | 1057.0 | 794.4 | 540.9 | 341.8 | 44.1 |
| 20° | 2334.2 | 2318.6 | 2206.1 | 2063.0 | 1838.0 | 1567.8 | 1248.6 | 933.3 | 638.3 | 392.9 | 39.3 |
| 22.5° | 2498.4 | 2495.7 | 2414.4 | 2268.0 | 2029.6 | 1723.4 | 1371.9 | 1013.5 | 668.5 | 399.9 | 32.8 |
| 25° | 2476.8 | 2486.5 | 2440.2 | 2331.5 | 2102.8 | 1787.4 | 1408.5 | 1013.5 | 646.4 | 370.3 | 27.4 |
| 27.5° | 2378.9 | 2385.4 | 2356.3 | 2272.9 | 2059.7 | 1741.1 | 1357.4 | 948.3 | 582.3 | 318.1 | 22.6 |
| 30° | 2311.6 | 2314.3 | 2278.2 | 2188.9 | 1962.9 | 1635.6 | 1236.8 | 827.8 | 485.5 | 255.1 | 16.7 |
| 32.5° | 2229.8 | 2229.3 | 2187.3 | 2085.0 | 1835.8 | 1487.6 | 1084.0 | 684.1 | 373.0 | 193.8 | 9.7 |
| 35° | 2110.3 | 2096.9 | 2039.8 | 1922.0 | 1646.4 | 1288.5 | 888.6 | 521.0 | 268.6 | 137.2 | 5.9 |
| 37.5° | 1946.2 | 1911.2 | 1830.5 | 1672.8 | 1380.5 | 1010.2 | 658.8 | 366.0 | 183.5 | 91.0 | 3.8 |
| 40° | 1683.0 | 1645.8 | 1536.1 | 1344.5 | 1044.1 | 727.1 | 444.0 | 238.4 | 115.7 | 54.4 | 2.2 |
| 42.5° | 1319.7 | 1294.4 | 1146.4 | 955.3 | 689.4 | 463.9 | 267.0 | 141.0 | 65.1 | 31.2 | 0.5 |
| 45° | 911.7 | 878.9 | 762.6 | 600.6 | 413.9 | 257.3 | 149.6 | 73.7 | 37.1 | 18.8 | 0.0 |
| 47.5° | 503.2 | 462.9 | 395.6 | 311.1 | 208.3 | 135.1 | 75.3 | 39.8 | 21.0 | 9.1 | 0.0 |
| 50° | 201.3 | 199.7 | 158.8 | 113.0 | 79.7 | 61.4 | 37.7 | 21.5 | 10.8 | 3.2 | 0.5 |
| 52.5° | 70.5 | 70.5 | 60.8 | 49.5 | 38.8 | 28.0 | 18.8 | 10.2 | 3.8 | 1.1 | 0.5 |
| 55° | 15.6 | 17.2 | 16.1 | 15.1 | 14.5 | 12.4 | 8.1 | 3.8 | 1.1 | 0.0 | 0.5 |
| 57.5° | 1.6 | 1.6 | 1.6 | 2.2 | 2.7 | 2.7 | 2.2 | 1.1 | 0.0 | 0.0 | 0.5 |
| 60° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 | 1.1 |
| 62.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 1.1 |
| 65° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.1 |
| 67.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.1 |
| 70° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.6 |
| 72.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.6 |
| 75° | 0.0 | 0.0 | 0.5 | 0.5 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.6 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.1 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 1.1 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.1 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 1.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 1.1 |
| 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):

| | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|------|--------|------|--------|------|
| 0° | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 2.5° | 28.0 | 22.1 | 18.3 | 16.1 | 15.6 |
| 5° | 26.4 | 16.7 | 11.8 | 10.2 | 9.7 |
| 7.5° | 23.7 | 12.4 | 8.1 | 6.5 | 5.9 |
| 10° | 20.5 | 9.1 | 5.4 | 3.8 | 3.8 |
| 12.5° | 17.2 | 7.0 | 3.2 | 1.6 | 1.1 |
| 15° | 14.0 | 4.3 | 1.1 | 0.5 | 0.5 |
| 17.5° | 10.8 | 2.7 | 0.0 | 0.0 | 0.0 |
| 20° | 8.6 | 1.1 | 0.0 | 0.0 | 0.0 |
| 22.5° | 6.5 | 0.5 | 0.0 | 0.0 | 0.0 |
| 25° | 4.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27.5° | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 0.5 | 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° | 0.5 | 0.0 | 0.0 | 0.5 | 0.5 |
| 47.5° | 0.5 | 0.5 | 0.5 | 1.1 | 1.1 |
| 50° | 0.5 | 0.5 | 0.5 | 1.1 | 1.6 |
| 52.5° | 1.1 | 0.5 | 1.1 | 1.6 | 1.6 |
| 55° | 1.1 | 1.1 | 1.6 | 2.2 | 2.2 |
| 57.5° | 1.1 | 1.1 | 1.6 | 2.2 | 2.2 |
| 60° | 1.1 | 1.1 | 1.6 | 2.2 | 2.7 |
| 62.5° | 1.6 | 1.6 | 1.6 | 2.2 | 2.2 |
| 65° | 1.6 | 1.6 | 1.6 | 2.2 | 2.7 |
| 67.5° | 1.6 | 1.6 | 1.6 | 2.2 | 2.7 |
| 70° | 1.6 | 1.6 | 1.6 | 2.2 | 2.2 |
| 72.5° | 2.2 | 1.6 | 1.6 | 2.2 | 2.2 |
| 75° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 77.5° | 1.6 | 1.6 | 1.1 | 1.6 | 1.6 |
| 80° | 1.6 | 1.1 | 1.1 | 1.1 | 1.1 |
| 82.5° | 1.6 | 1.1 | 1.1 | 1.1 | 1.1 |
| 85° | 1.6 | 1.1 | 0.5 | 0.5 | 0.5 |
| 87.5° | 1.6 | 1.1 | 0.5 | 0.5 | 0.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)