

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: P1311633

Luminaire Tested: LDSQA3D17R309040DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311633
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: LDSQA3D17R309040DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

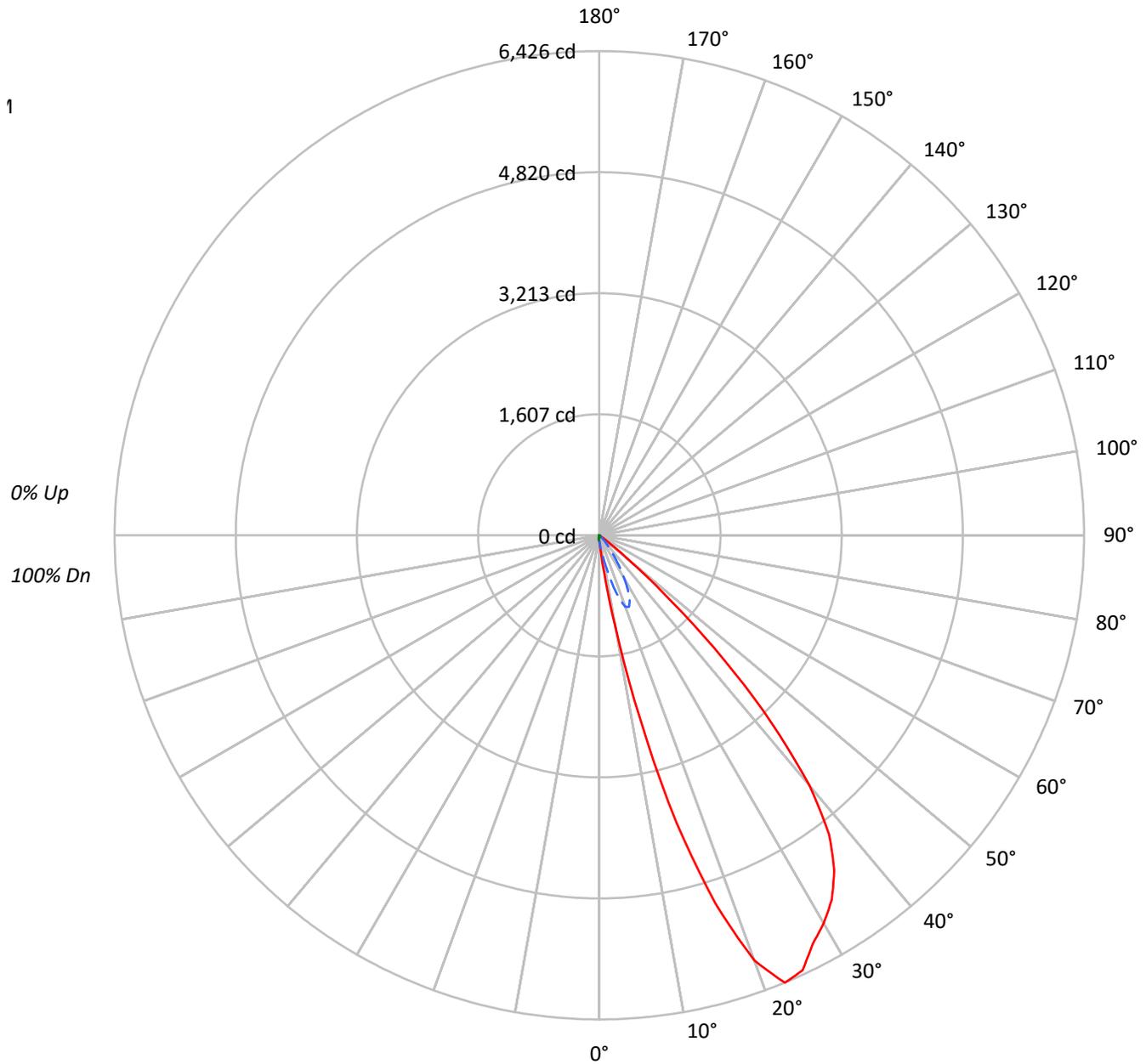
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1515.1 lumens
Efficiency: N/A
Efficacy: 71.5 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): 21.2
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 | 87 | 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° | 12400 | 12400 | 12400 | 12400 | 12400 |
| 5° | 37342 | 24895 | 11721 | 5273 | 4305 |
| 10° | 216186 | 52779 | 9199 | 2413 | 1696 |
| 15° | 703225 | 119709 | 6419 | 499 | 250 |
| 20° | 1100386 | 185218 | 4050 | 0 | 0 |
| 25° | 1210622 | 180981 | 2109 | 0 | 0 |
| 30° | 1182415 | 130496 | 835 | 0 | 0 |
| 35° | 1141231 | 74216 | 294 | 0 | 0 |
| 40° | 973226 | 31430 | 0 | 0 | 0 |
| 45° | 571172 | 11813 | 341 | 0 | 341 |
| 50° | 138735 | 2224 | 375 | 375 | 1125 |
| 55° | 12040 | 0 | 841 | 1261 | 1651 |
| 60° | 482 | 0 | 964 | 1447 | 2377 |
| 65° | 571 | 571 | 1712 | 1712 | 2812 |
| 70° | 705 | 705 | 2115 | 2115 | 2769 |
| 75° | 0 | 932 | 2795 | 2795 | 2795 |
| 80° | 0 | 1389 | 4166 | 2777 | 2777 |
| 85° | 0 | 2766 | 8299 | 2766 | 2766 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 571172 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 13.2 | 0.9 |
| 10°-20° | 208.2 | 13.7 |
| 20°-30° | 529.1 | 34.9 |
| 30°-40° | 527.4 | 34.8 |
| 40°-50° | 213.7 | 14.1 |
| 50°-60° | 14.8 | 1.0 |
| 60°-70° | 3.4 | 0.2 |
| 70°-80° | 3.4 | 0.2 |
| 80°-90° | 1.9 | 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° | 750.6 | 49.5 |
| 0°-40° | 1278.0 | 84.4 |
| 0°-60° | 1506.4 | 99.4 |
| 0°-90° | 1515.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1515.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 72 | 72 | 72 | 72 | 72 | |
| 5° | 216 | 144 | 68 | 30 | 25 | 50 |
| 15° | 3944 | 671 | 36 | 3 | 1 | 1148 |
| 25° | 6371 | 952 | 11 | 0 | 0 | 2877 |
| 35° | 5428 | 353 | 1 | 0 | 0 | 3327 |
| 45° | 2345 | 48 | 1 | 0 | 1 | 1789 |
| 55° | 40 | 0 | 3 | 4 | 6 | 105 |
| 65° | 1 | 1 | 4 | 4 | 7 | 1 |
| 75° | 0 | 1 | 4 | 4 | 4 | 1 |
| 85° | 0 | 1 | 4 | 1 | 1 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1311633

CATALOG NUMBER: LDSQA3D17R309040DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 67.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| 2.5° | 119.1 | 120.4 | 120.4 | 117.7 | 116.3 | 116.3 | 112.1 | 110.7 | 106.6 | 102.4 | 88.6 |
| 5° | 216.0 | 211.8 | 206.3 | 206.3 | 193.8 | 186.9 | 177.2 | 166.1 | 157.8 | 144.0 | 102.4 |
| 7.5° | 490.1 | 456.8 | 447.1 | 434.7 | 387.6 | 350.2 | 307.3 | 270.0 | 235.3 | 206.3 | 113.5 |
| 10° | 1236.2 | 1171.2 | 1117.2 | 1007.8 | 870.8 | 739.2 | 617.4 | 476.2 | 379.3 | 301.8 | 121.8 |
| 12.5° | 2490.5 | 2403.3 | 2299.4 | 2100.1 | 1844.0 | 1515.9 | 1225.2 | 915.1 | 642.3 | 444.4 | 124.6 |
| 15° | 3944.1 | 3795.9 | 3634.0 | 3380.6 | 2961.2 | 2490.5 | 1965.8 | 1471.6 | 1031.4 | 671.4 | 121.8 |
| 17.5° | 5129.1 | 5070.9 | 4831.4 | 4485.3 | 3971.7 | 3365.4 | 2718.9 | 2043.3 | 1391.3 | 879.1 | 113.5 |
| 20° | 6004.0 | 5963.8 | 5674.5 | 5306.3 | 4727.6 | 4032.6 | 3211.7 | 2400.5 | 1641.9 | 1010.6 | 101.1 |
| 22.5° | 6426.2 | 6419.3 | 6210.3 | 5833.7 | 5220.4 | 4432.7 | 3528.7 | 2606.8 | 1719.4 | 1028.6 | 84.4 |
| 25° | 6370.8 | 6395.8 | 6276.7 | 5997.1 | 5408.7 | 4597.5 | 3622.9 | 2606.8 | 1662.6 | 952.4 | 70.6 |
| 27.5° | 6118.9 | 6135.5 | 6060.7 | 5846.2 | 5298.0 | 4478.4 | 3491.4 | 2439.2 | 1497.9 | 818.2 | 58.1 |
| 30° | 5945.8 | 5952.8 | 5860.0 | 5630.2 | 5048.8 | 4207.1 | 3181.3 | 2129.2 | 1248.7 | 656.2 | 42.9 |
| 32.5° | 5735.4 | 5734.0 | 5626.1 | 5363.0 | 4722.1 | 3826.4 | 2788.1 | 1759.5 | 959.4 | 498.4 | 24.9 |
| 35° | 5428.1 | 5393.5 | 5246.7 | 4943.6 | 4234.8 | 3314.2 | 2285.6 | 1340.1 | 690.8 | 353.0 | 15.2 |
| 37.5° | 5005.9 | 4915.9 | 4708.2 | 4302.6 | 3550.9 | 2598.4 | 1694.5 | 941.4 | 472.1 | 234.0 | 9.7 |
| 40° | 4328.9 | 4233.4 | 3951.0 | 3458.1 | 2685.7 | 1870.3 | 1142.1 | 613.3 | 297.6 | 139.8 | 5.5 |
| 42.5° | 3394.5 | 3329.4 | 2948.7 | 2457.2 | 1773.4 | 1193.3 | 686.6 | 362.7 | 167.5 | 80.3 | 1.4 |
| 45° | 2345.1 | 2260.7 | 1961.6 | 1544.9 | 1064.6 | 661.7 | 384.9 | 189.7 | 95.5 | 48.5 | 0.0 |
| 47.5° | 1294.4 | 1190.6 | 1017.5 | 800.2 | 535.7 | 347.5 | 193.8 | 102.4 | 54.0 | 23.5 | 0.0 |
| 50° | 517.8 | 513.6 | 408.4 | 290.7 | 204.9 | 157.8 | 96.9 | 55.4 | 27.7 | 8.3 | 1.4 |
| 52.5° | 181.4 | 181.4 | 156.4 | 127.4 | 99.7 | 72.0 | 48.5 | 26.3 | 9.7 | 2.8 | 1.4 |
| 55° | 40.1 | 44.3 | 41.5 | 38.8 | 37.4 | 31.8 | 20.8 | 9.7 | 2.8 | 0.0 | 1.4 |
| 57.5° | 4.2 | 4.2 | 4.2 | 5.5 | 6.9 | 6.9 | 5.5 | 2.8 | 0.0 | 0.0 | 1.4 |
| 60° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 | 2.8 |
| 62.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 2.8 |
| 65° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.8 |
| 67.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.8 |
| 70° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 4.2 |
| 72.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 4.2 |
| 75° | 0.0 | 0.0 | 1.4 | 1.4 | 0.0 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 4.2 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.8 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 2.8 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.8 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 2.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 2.8 |
| 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° | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| 2.5° | 72.0 | 56.8 | 47.1 | 41.5 | 40.1 |
| 5° | 67.8 | 42.9 | 30.5 | 26.3 | 24.9 |
| 7.5° | 60.9 | 31.8 | 20.8 | 16.6 | 15.2 |
| 10° | 52.6 | 23.5 | 13.8 | 9.7 | 9.7 |
| 12.5° | 44.3 | 18.0 | 8.3 | 4.2 | 2.8 |
| 15° | 36.0 | 11.1 | 2.8 | 1.4 | 1.4 |
| 17.5° | 27.7 | 6.9 | 0.0 | 0.0 | 0.0 |
| 20° | 22.1 | 2.8 | 0.0 | 0.0 | 0.0 |
| 22.5° | 16.6 | 1.4 | 0.0 | 0.0 | 0.0 |
| 25° | 11.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27.5° | 6.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 1.4 | 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° | 1.4 | 0.0 | 0.0 | 1.4 | 1.4 |
| 47.5° | 1.4 | 1.4 | 1.4 | 2.8 | 2.8 |
| 50° | 1.4 | 1.4 | 1.4 | 2.8 | 4.2 |
| 52.5° | 2.8 | 1.4 | 2.8 | 4.2 | 4.2 |
| 55° | 2.8 | 2.8 | 4.2 | 5.5 | 5.5 |
| 57.5° | 2.8 | 2.8 | 4.2 | 5.5 | 5.5 |
| 60° | 2.8 | 2.8 | 4.2 | 5.5 | 6.9 |
| 62.5° | 4.2 | 4.2 | 4.2 | 5.5 | 5.5 |
| 65° | 4.2 | 4.2 | 4.2 | 5.5 | 6.9 |
| 67.5° | 4.2 | 4.2 | 4.2 | 5.5 | 6.9 |
| 70° | 4.2 | 4.2 | 4.2 | 5.5 | 5.5 |
| 72.5° | 5.5 | 4.2 | 4.2 | 5.5 | 5.5 |
| 75° | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 77.5° | 4.2 | 4.2 | 2.8 | 4.2 | 4.2 |
| 80° | 4.2 | 2.8 | 2.8 | 2.8 | 2.8 |
| 82.5° | 4.2 | 2.8 | 2.8 | 2.8 | 2.8 |
| 85° | 4.2 | 2.8 | 1.4 | 1.4 | 1.4 |
| 87.5° | 4.2 | 2.8 | 1.4 | 1.4 | 1.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)