

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: P1306691

Luminaire Tested: LDSQA3D02R409024DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306691
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R409024DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

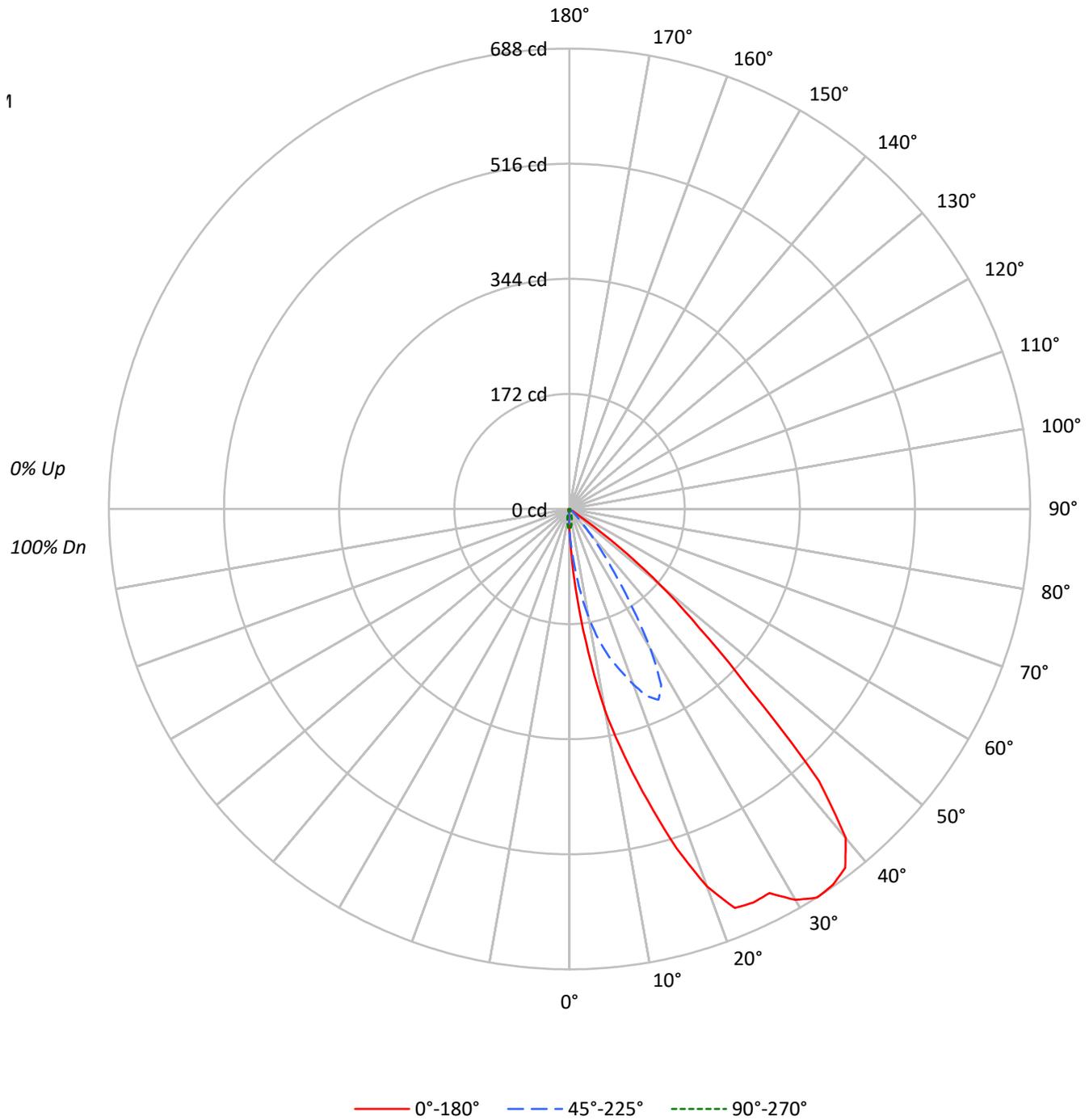
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 253.9 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 2.52 / 0.41 / 1.24
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





TEST NUMBER: P1306691

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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 | 100 | | | 100 | |
| 1 | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 91 | | | 91 | |
| 2 | 105 | 100 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 91 | 88 | 92 | 89 | 86 | 89 | 86 | 84 | 82 | | | 82 | |
| 3 | 99 | 91 | 85 | 80 | 97 | 90 | 84 | 80 | 87 | 82 | 78 | 84 | 80 | 77 | 82 | 79 | 76 | 74 | | | 74 | |
| 4 | 92 | 83 | 77 | 71 | 90 | 82 | 76 | 71 | 80 | 74 | 70 | 78 | 73 | 69 | 76 | 72 | 68 | 67 | | | 67 | |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 68 | 64 | 73 | 67 | 63 | 71 | 66 | 62 | 70 | 65 | 62 | 60 | | | 60 | |
| 6 | 80 | 70 | 63 | 57 | 79 | 69 | 62 | 57 | 67 | 61 | 57 | 66 | 60 | 56 | 64 | 60 | 56 | 54 | | | 54 | |
| 7 | 75 | 64 | 57 | 52 | 74 | 63 | 56 | 52 | 62 | 56 | 51 | 61 | 55 | 51 | 59 | 54 | 51 | 49 | | | 49 | |
| 8 | 70 | 59 | 52 | 47 | 69 | 58 | 51 | 47 | 57 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 44 | | | 44 | |
| 9 | 66 | 54 | 47 | 42 | 65 | 54 | 47 | 42 | 53 | 46 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 40 | | | 40 | |
| 10 | 62 | 50 | 43 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 37 | | | 37 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0° | 5184 | 5184 | 5184 | 5184 | 5184 |
| 5° | 23339 | 14885 | 4633 | 1781 | 1297 |
| 10° | 53531 | 28750 | 3270 | 630 | 490 |
| 15° | 80341 | 40795 | 2033 | 339 | 303 |
| 20° | 110002 | 51152 | 1173 | 202 | 238 |
| 25° | 123327 | 59763 | 608 | 171 | 209 |
| 30° | 134135 | 48245 | 259 | 119 | 219 |
| 35° | 144165 | 24683 | 84 | 189 | 273 |
| 40° | 144222 | 9847 | 45 | 202 | 337 |
| 45° | 92066 | 3288 | 97 | 317 | 463 |
| 50° | 47799 | 402 | 161 | 402 | 563 |
| 55° | 4114 | 60 | 180 | 510 | 721 |
| 60° | 138 | 69 | 207 | 586 | 827 |
| 65° | 163 | 82 | 367 | 611 | 856 |
| 70° | 101 | 101 | 453 | 655 | 856 |
| 75° | 133 | 133 | 399 | 732 | 998 |
| 80° | 198 | 198 | 595 | 595 | 893 |
| 85° | 0 | 395 | 1186 | 790 | 790 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 92066 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 5.9 | 2.3 |
| 10°-20° | 34.4 | 13.5 |
| 20°-30° | 75.3 | 29.7 |
| 30°-40° | 85.8 | 33.8 |
| 40°-50° | 45.3 | 17.8 |
| 50°-60° | 5.3 | 2.1 |
| 60°-70° | 0.9 | 0.4 |
| 70°-80° | 0.8 | 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° | 115.5 | 45.5 |
| 0°-40° | 201.3 | 79.3 |
| 0°-60° | 251.9 | 99.2 |
| 0°-90° | 253.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 253.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 30 | 30 | 30 | 30 | 30 | |
| 5° | 135 | 86 | 27 | 10 | 8 | 18 |
| 15° | 451 | 229 | 11 | 2 | 2 | 133 |
| 25° | 649 | 314 | 3 | 1 | 1 | 299 |
| 35° | 686 | 117 | 0 | 1 | 1 | 425 |
| 45° | 378 | 14 | 0 | 1 | 2 | 305 |
| 55° | 14 | 0 | 1 | 2 | 2 | 43 |
| 65° | 0 | 0 | 1 | 2 | 2 | 0 |
| 75° | 0 | 0 | 1 | 1 | 2 | 0 |
| 85° | 0 | 0 | 1 | 0 | 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° | 67.5° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 |
| 2.5° | 67.0 | 67.0 | 66.8 | 64.8 | 64.6 | 64.4 | 61.0 | 60.1 | 56.0 | 53.2 | 40.6 |
| 5° | 135.0 | 132.0 | 131.8 | 128.4 | 122.6 | 114.9 | 109.9 | 102.0 | 94.2 | 86.1 | 50.0 |
| 7.5° | 215.1 | 217.7 | 210.6 | 206.9 | 194.1 | 184.8 | 170.7 | 158.2 | 140.8 | 124.5 | 57.7 |
| 10° | 306.1 | 301.6 | 294.5 | 287.5 | 273.5 | 257.0 | 235.9 | 213.8 | 188.7 | 164.4 | 62.0 |
| 12.5° | 377.2 | 371.4 | 367.1 | 357.4 | 343.7 | 322.4 | 297.3 | 267.7 | 234.4 | 199.4 | 61.8 |
| 15° | 450.6 | 444.8 | 435.1 | 426.6 | 406.2 | 382.3 | 355.1 | 316.0 | 275.2 | 228.8 | 57.3 |
| 17.5° | 531.3 | 523.8 | 513.1 | 500.0 | 480.2 | 453.8 | 419.3 | 371.6 | 313.9 | 252.9 | 49.2 |
| 20° | 600.2 | 595.7 | 585.0 | 569.5 | 550.2 | 524.5 | 484.5 | 431.7 | 361.3 | 279.1 | 39.1 |
| 22.5° | 645.3 | 641.2 | 633.9 | 620.4 | 605.8 | 578.3 | 541.8 | 483.9 | 401.0 | 302.9 | 29.6 |
| 25° | 649.0 | 647.2 | 645.3 | 640.8 | 632.0 | 612.5 | 576.8 | 514.4 | 425.7 | 314.5 | 21.9 |
| 27.5° | 647.0 | 646.4 | 646.0 | 643.6 | 637.8 | 618.5 | 582.0 | 518.9 | 422.5 | 296.5 | 16.1 |
| 30° | 674.5 | 672.6 | 671.5 | 663.8 | 648.5 | 618.7 | 571.0 | 494.6 | 375.5 | 242.6 | 11.6 |
| 32.5° | 688.5 | 688.0 | 687.0 | 679.5 | 658.0 | 619.1 | 552.6 | 436.0 | 297.8 | 175.2 | 7.9 |
| 35° | 685.7 | 683.5 | 679.7 | 665.7 | 635.9 | 587.1 | 492.9 | 348.2 | 214.9 | 117.4 | 5.2 |
| 37.5° | 676.2 | 671.3 | 663.8 | 638.7 | 598.9 | 532.4 | 399.7 | 256.3 | 146.2 | 76.0 | 3.0 |
| 40° | 641.5 | 634.8 | 623.0 | 592.3 | 540.1 | 438.8 | 295.6 | 173.2 | 96.0 | 43.8 | 0.9 |
| 42.5° | 551.5 | 542.9 | 534.3 | 500.0 | 440.3 | 327.2 | 194.5 | 107.1 | 54.7 | 24.0 | 0.2 |
| 45° | 378.0 | 367.3 | 355.5 | 330.6 | 282.7 | 198.1 | 115.7 | 60.3 | 28.3 | 13.5 | 0.2 |
| 47.5° | 262.5 | 257.6 | 237.0 | 205.2 | 157.4 | 105.0 | 59.9 | 29.6 | 15.0 | 6.2 | 0.2 |
| 50° | 178.4 | 172.8 | 148.8 | 118.1 | 83.7 | 50.2 | 27.5 | 14.8 | 6.7 | 1.5 | 0.2 |
| 52.5° | 93.6 | 86.7 | 71.5 | 54.5 | 33.9 | 21.0 | 12.0 | 6.4 | 1.9 | 0.2 | 0.2 |
| 55° | 13.7 | 12.7 | 10.3 | 8.4 | 7.5 | 5.8 | 3.4 | 1.5 | 0.2 | 0.2 | 0.4 |
| 57.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.6 | 0.6 | 0.4 | 0.2 | 0.2 | 0.2 | 0.4 |
| 60° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 |
| 62.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 |
| 65° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 |
| 67.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.6 |
| 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 | 0.4 | 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° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.6 |
| 80° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.6 |
| 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 |



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CANDELA DISTRIBUTION (continued):

| | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|------|--------|------|--------|------|
| 0° | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 |
| 2.5° | 29.6 | 21.9 | 17.0 | 14.6 | 14.4 |
| 5° | 26.8 | 15.7 | 10.3 | 7.9 | 7.5 |
| 7.5° | 22.8 | 10.9 | 6.0 | 4.3 | 4.1 |
| 10° | 18.7 | 7.5 | 3.6 | 3.0 | 2.8 |
| 12.5° | 14.8 | 4.9 | 2.6 | 2.4 | 2.1 |
| 15° | 11.4 | 3.2 | 1.9 | 1.7 | 1.7 |
| 17.5° | 8.6 | 2.1 | 1.5 | 1.5 | 1.5 |
| 20° | 6.4 | 1.5 | 1.1 | 1.3 | 1.3 |
| 22.5° | 4.5 | 1.1 | 0.9 | 1.1 | 1.1 |
| 25° | 3.2 | 0.9 | 0.9 | 1.1 | 1.1 |
| 27.5° | 2.1 | 0.6 | 0.6 | 0.9 | 1.1 |
| 30° | 1.3 | 0.4 | 0.6 | 0.9 | 1.1 |
| 32.5° | 0.6 | 0.4 | 0.6 | 1.1 | 1.1 |
| 35° | 0.4 | 0.6 | 0.9 | 1.1 | 1.3 |
| 37.5° | 0.2 | 0.6 | 0.9 | 1.3 | 1.3 |
| 40° | 0.2 | 0.6 | 0.9 | 1.3 | 1.5 |
| 42.5° | 0.4 | 0.9 | 1.1 | 1.5 | 1.7 |
| 45° | 0.4 | 0.9 | 1.3 | 1.7 | 1.9 |
| 47.5° | 0.4 | 0.9 | 1.5 | 1.9 | 1.9 |
| 50° | 0.6 | 1.1 | 1.5 | 1.9 | 2.1 |
| 52.5° | 0.6 | 1.1 | 1.5 | 2.1 | 2.4 |
| 55° | 0.6 | 1.1 | 1.7 | 2.1 | 2.4 |
| 57.5° | 0.6 | 1.3 | 1.7 | 2.1 | 2.4 |
| 60° | 0.6 | 1.1 | 1.7 | 2.1 | 2.4 |
| 62.5° | 0.9 | 1.1 | 1.5 | 2.1 | 2.1 |
| 65° | 0.9 | 1.1 | 1.5 | 2.1 | 2.1 |
| 67.5° | 0.9 | 1.1 | 1.5 | 1.9 | 1.9 |
| 70° | 0.9 | 1.1 | 1.3 | 1.7 | 1.7 |
| 72.5° | 0.9 | 1.1 | 1.3 | 1.5 | 1.7 |
| 75° | 0.6 | 0.9 | 1.1 | 1.3 | 1.5 |
| 77.5° | 0.6 | 0.9 | 0.9 | 1.3 | 1.3 |
| 80° | 0.6 | 0.6 | 0.6 | 0.9 | 0.9 |
| 82.5° | 0.6 | 0.6 | 0.4 | 0.6 | 0.6 |
| 85° | 0.6 | 0.4 | 0.4 | 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)