

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: P1314184

Luminaire Tested: LDSQA3D02R409730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314184
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: LDSQA3D02R409730DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

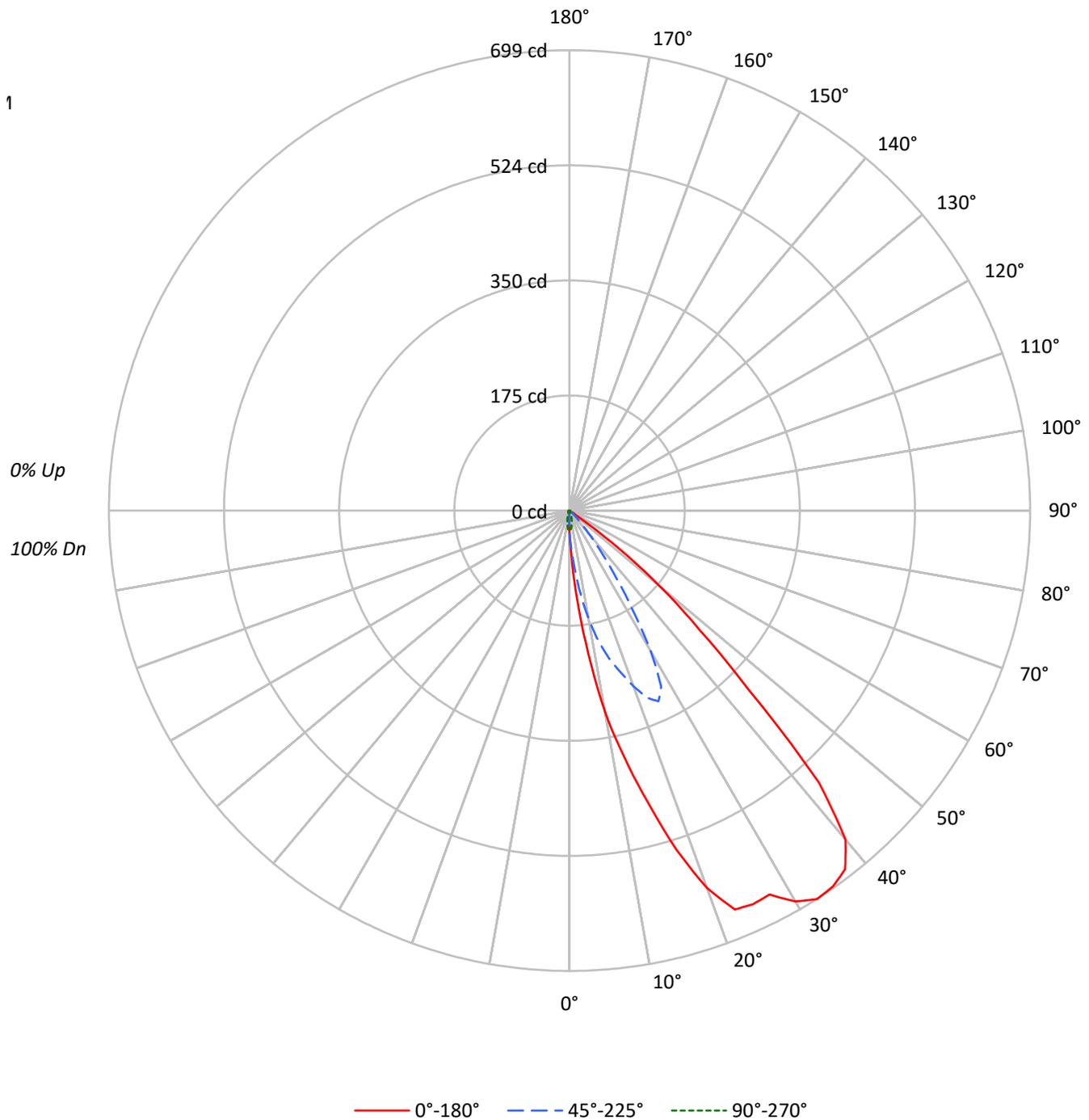
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 258.0 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 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

TEST NUMBER: P1314184
CATALOG NUMBER: LDSQA3D02R409730DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1314184

CATALOG NUMBER: LDSQA3D02R409730DE010 3LSQCA30R 1MW

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0° | 5253 | 5253 | 5253 | 5253 | 5253 |
| 5° | 23719 | 15110 | 4720 | 1815 | 1314 |
| 10° | 54370 | 29205 | 3323 | 647 | 490 |
| 15° | 81607 | 41436 | 2068 | 357 | 303 |
| 20° | 111743 | 51959 | 1191 | 202 | 238 |
| 25° | 125266 | 60714 | 627 | 171 | 209 |
| 30° | 136243 | 49000 | 259 | 139 | 219 |
| 35° | 146436 | 25082 | 84 | 189 | 273 |
| 40° | 146493 | 10005 | 45 | 202 | 337 |
| 45° | 93527 | 3337 | 97 | 317 | 487 |
| 50° | 48549 | 402 | 188 | 402 | 589 |
| 55° | 4204 | 60 | 210 | 510 | 721 |
| 60° | 138 | 69 | 241 | 586 | 827 |
| 65° | 163 | 82 | 367 | 611 | 897 |
| 70° | 101 | 101 | 453 | 655 | 856 |
| 75° | 133 | 133 | 466 | 732 | 998 |
| 80° | 198 | 198 | 694 | 694 | 893 |
| 85° | 0 | 395 | 1383 | 790 | 790 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 93527 cd/sqm



TEST NUMBER: P1314184

CATALOG NUMBER: LDSQA3D02R409730DE010 3LSQCA30R 1MW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 5.9 | 2.3 |
| 10°-20° | 34.9 | 13.5 |
| 20°-30° | 76.5 | 29.6 |
| 30°-40° | 87.1 | 33.8 |
| 40°-50° | 46.0 | 17.8 |
| 50°-60° | 5.4 | 2.1 |
| 60°-70° | 1.0 | 0.4 |
| 70°-80° | 0.8 | 0.3 |
| 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° | 117.3 | 45.5 |
| 0°-40° | 204.5 | 79.3 |
| 0°-60° | 255.9 | 99.2 |
| 0°-90° | 258.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 258.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 30 | 30 | 30 | 30 | 30 | |
| 5° | 137 | 87 | 27 | 10 | 8 | 18 |
| 15° | 458 | 232 | 12 | 2 | 2 | 135 |
| 25° | 659 | 320 | 3 | 1 | 1 | 304 |
| 35° | 696 | 119 | 0 | 1 | 1 | 432 |
| 45° | 384 | 14 | 0 | 1 | 2 | 310 |
| 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 | |



TEST NUMBER: P1314184

CATALOG NUMBER: LDSQA3D02R409730DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 67.5° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 |
| 2.5° | 68.0 | 68.0 | 67.8 | 65.9 | 65.6 | 65.4 | 61.9 | 61.1 | 56.9 | 54.1 | 41.2 |
| 5° | 137.2 | 134.1 | 133.9 | 130.4 | 124.5 | 116.7 | 111.6 | 103.6 | 95.7 | 87.4 | 50.8 |
| 7.5° | 218.5 | 221.1 | 213.9 | 210.2 | 197.1 | 187.7 | 173.4 | 160.7 | 143.0 | 126.5 | 58.7 |
| 10° | 310.9 | 306.4 | 299.2 | 292.0 | 277.8 | 261.0 | 239.6 | 217.2 | 191.7 | 167.0 | 63.0 |
| 12.5° | 383.1 | 377.2 | 372.9 | 363.1 | 349.1 | 327.5 | 302.0 | 271.9 | 238.1 | 202.6 | 62.8 |
| 15° | 457.7 | 451.8 | 442.0 | 433.3 | 412.6 | 388.4 | 360.7 | 321.0 | 279.5 | 232.4 | 58.2 |
| 17.5° | 539.7 | 532.1 | 521.2 | 507.9 | 487.8 | 461.0 | 425.9 | 377.5 | 318.8 | 256.9 | 49.9 |
| 20° | 609.7 | 605.1 | 594.2 | 578.5 | 558.9 | 532.7 | 492.2 | 438.5 | 367.0 | 283.5 | 39.7 |
| 22.5° | 655.5 | 651.3 | 643.9 | 630.2 | 615.4 | 587.4 | 550.4 | 491.5 | 407.3 | 307.7 | 30.1 |
| 25° | 659.2 | 657.4 | 655.5 | 650.9 | 642.0 | 622.1 | 585.9 | 522.5 | 432.4 | 319.5 | 22.2 |
| 27.5° | 657.2 | 656.6 | 656.1 | 653.7 | 647.8 | 628.2 | 591.2 | 527.0 | 429.1 | 301.1 | 16.4 |
| 30° | 685.1 | 683.2 | 682.1 | 674.2 | 658.8 | 628.4 | 580.0 | 502.4 | 381.4 | 246.4 | 11.8 |
| 32.5° | 699.3 | 698.9 | 697.8 | 690.2 | 668.3 | 628.9 | 561.3 | 442.9 | 302.4 | 177.9 | 8.1 |
| 35° | 696.5 | 694.3 | 690.4 | 676.2 | 645.9 | 596.4 | 500.7 | 353.7 | 218.3 | 119.3 | 5.2 |
| 37.5° | 686.9 | 681.9 | 674.2 | 648.7 | 608.4 | 540.8 | 406.0 | 260.4 | 148.5 | 77.2 | 3.1 |
| 40° | 651.6 | 644.8 | 632.8 | 601.6 | 548.6 | 445.7 | 300.3 | 176.0 | 97.5 | 44.5 | 0.9 |
| 42.5° | 560.2 | 551.5 | 542.7 | 507.9 | 447.2 | 332.3 | 197.6 | 108.8 | 55.6 | 24.4 | 0.2 |
| 45° | 384.0 | 373.1 | 361.1 | 335.8 | 287.2 | 201.3 | 117.5 | 61.3 | 28.8 | 13.7 | 0.2 |
| 47.5° | 266.7 | 261.7 | 240.7 | 208.5 | 159.8 | 106.6 | 60.8 | 30.1 | 15.3 | 6.3 | 0.2 |
| 50° | 181.2 | 175.5 | 151.1 | 119.9 | 85.0 | 51.0 | 27.9 | 15.0 | 6.8 | 1.5 | 0.2 |
| 52.5° | 95.1 | 88.1 | 72.6 | 55.4 | 34.5 | 21.4 | 12.2 | 6.5 | 2.0 | 0.2 | 0.2 |
| 55° | 14.0 | 12.9 | 10.5 | 8.5 | 7.6 | 5.9 | 3.5 | 1.5 | 0.2 | 0.2 | 0.4 |
| 57.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.7 | 0.7 | 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 | 0.7 |
| 70° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.7 |
| 72.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.7 |
| 75° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.7 |
| 77.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.7 |
| 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 | 0.7 |
| 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: P1314184
 CATALOG NUMBER: LDSQA3D02R409730DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

| | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|------|--------|------|--------|------|
| 0° | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 |
| 2.5° | 30.1 | 22.2 | 17.2 | 14.8 | 14.6 |
| 5° | 27.3 | 15.9 | 10.5 | 8.1 | 7.6 |
| 7.5° | 23.1 | 11.1 | 6.1 | 4.4 | 4.1 |
| 10° | 19.0 | 7.6 | 3.7 | 3.1 | 2.8 |
| 12.5° | 15.0 | 5.0 | 2.6 | 2.4 | 2.2 |
| 15° | 11.6 | 3.3 | 2.0 | 1.7 | 1.7 |
| 17.5° | 8.7 | 2.2 | 1.5 | 1.5 | 1.5 |
| 20° | 6.5 | 1.5 | 1.1 | 1.3 | 1.3 |
| 22.5° | 4.6 | 1.1 | 0.9 | 1.1 | 1.1 |
| 25° | 3.3 | 0.9 | 0.9 | 1.1 | 1.1 |
| 27.5° | 2.2 | 0.7 | 0.7 | 0.9 | 1.1 |
| 30° | 1.3 | 0.4 | 0.7 | 0.9 | 1.1 |
| 32.5° | 0.7 | 0.4 | 0.7 | 1.1 | 1.1 |
| 35° | 0.4 | 0.7 | 0.9 | 1.1 | 1.3 |
| 37.5° | 0.2 | 0.7 | 0.9 | 1.3 | 1.3 |
| 40° | 0.2 | 0.7 | 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 | 2.0 |
| 47.5° | 0.4 | 0.9 | 1.5 | 2.0 | 2.0 |
| 50° | 0.7 | 1.1 | 1.5 | 2.0 | 2.2 |
| 52.5° | 0.7 | 1.1 | 1.5 | 2.2 | 2.4 |
| 55° | 0.7 | 1.1 | 1.7 | 2.2 | 2.4 |
| 57.5° | 0.7 | 1.3 | 1.7 | 2.2 | 2.4 |
| 60° | 0.7 | 1.1 | 1.7 | 2.2 | 2.4 |
| 62.5° | 0.9 | 1.1 | 1.5 | 2.2 | 2.2 |
| 65° | 0.9 | 1.1 | 1.5 | 2.2 | 2.2 |
| 67.5° | 0.9 | 1.1 | 1.5 | 2.0 | 2.0 |
| 70° | 0.9 | 1.1 | 1.3 | 1.7 | 1.7 |
| 72.5° | 0.9 | 1.1 | 1.3 | 1.5 | 1.7 |
| 75° | 0.7 | 0.9 | 1.1 | 1.3 | 1.5 |
| 77.5° | 0.7 | 0.9 | 0.9 | 1.3 | 1.3 |
| 80° | 0.7 | 0.7 | 0.7 | 0.9 | 0.9 |
| 82.5° | 0.7 | 0.7 | 0.4 | 0.7 | 0.7 |
| 85° | 0.7 | 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)