

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: P1321004

Luminaire Tested: LDSQA3D02R50B2750DE010 3LSQCA30R 1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321004
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-65)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R50B2750DE010 3LSQCA30R 1MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 80CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

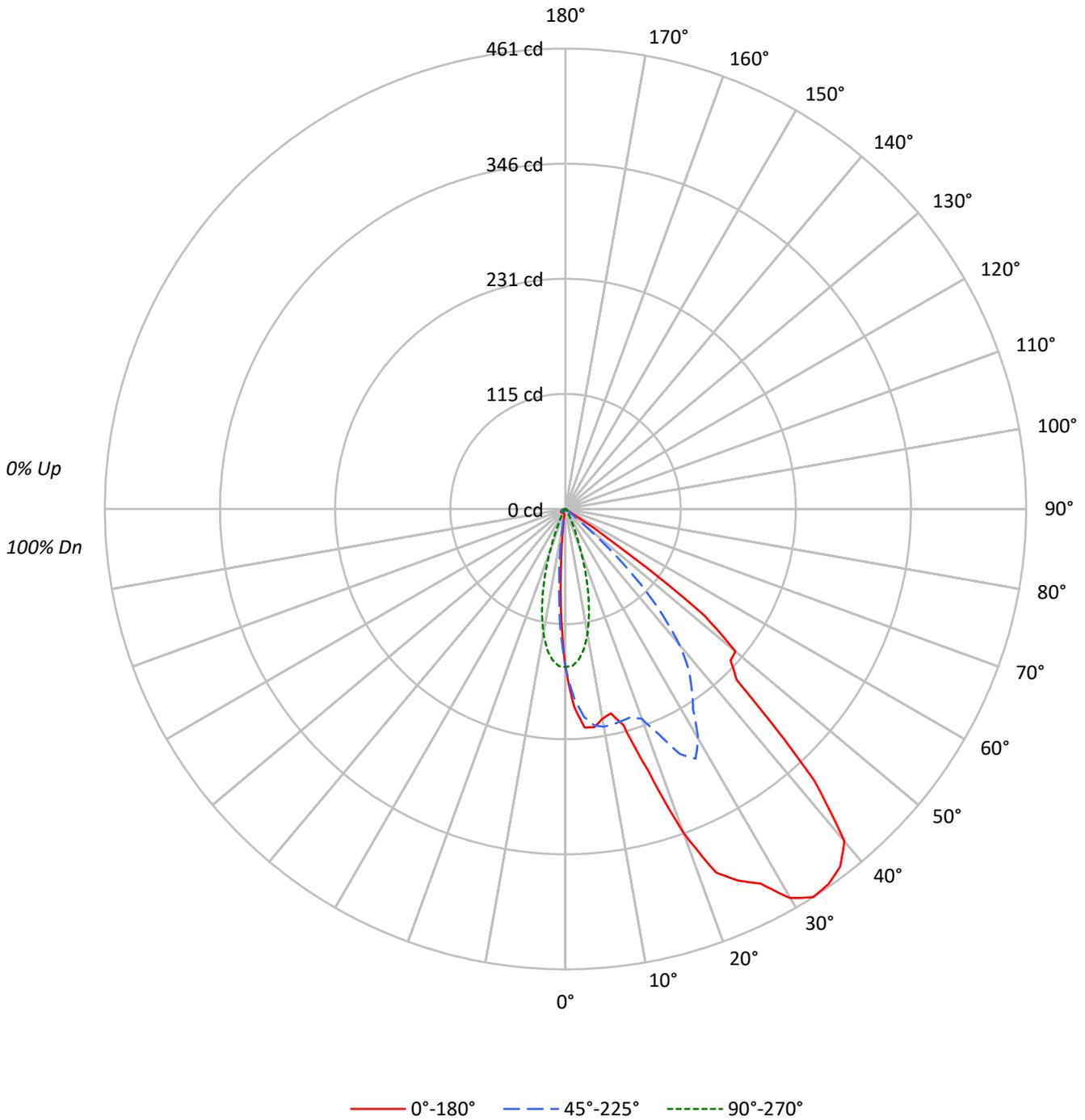
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 246.0 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.54 / 1.2
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 2.9
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: P1321004

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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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 101 | 102 | 100 | 98 | 99 | 97 | 95 | 95 | 94 | 93 | 91 |
| 2 | 105 | 99 | 94 | 90 | 103 | 97 | 93 | 89 | 94 | 90 | 87 | 91 | 88 | 85 | 88 | 85 | 83 | 81 |
| 3 | 98 | 90 | 84 | 79 | 96 | 88 | 83 | 78 | 86 | 81 | 77 | 83 | 79 | 76 | 81 | 77 | 74 | 73 |
| 4 | 91 | 82 | 75 | 70 | 89 | 81 | 74 | 69 | 78 | 73 | 68 | 76 | 71 | 68 | 74 | 70 | 67 | 65 |
| 5 | 85 | 75 | 68 | 62 | 83 | 74 | 67 | 62 | 72 | 66 | 61 | 70 | 65 | 61 | 68 | 64 | 60 | 58 |
| 6 | 79 | 68 | 61 | 56 | 78 | 68 | 61 | 56 | 66 | 60 | 55 | 64 | 59 | 55 | 63 | 58 | 54 | 53 |
| 7 | 74 | 63 | 55 | 50 | 73 | 62 | 55 | 50 | 61 | 54 | 50 | 59 | 54 | 49 | 58 | 53 | 49 | 47 |
| 8 | 69 | 58 | 51 | 45 | 68 | 57 | 50 | 45 | 56 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 45 | 43 |
| 9 | 65 | 53 | 46 | 41 | 64 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 39 |
| 10 | 61 | 50 | 43 | 38 | 60 | 49 | 42 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 46 | 41 | 37 | 36 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 27246 | 27246 | 27246 | 27246 | 27246 |
| 5° | 37982 | 36028 | 26174 | 12586 | 8160 |
| 10° | 37284 | 38718 | 22122 | 2658 | 1137 |
| 15° | 39974 | 39136 | 15637 | 927 | 891 |
| 20° | 63138 | 40980 | 8266 | 788 | 825 |
| 25° | 78025 | 51459 | 3287 | 741 | 817 |
| 30° | 89450 | 52779 | 1332 | 736 | 855 |
| 35° | 96439 | 46317 | 589 | 778 | 946 |
| 40° | 97617 | 39883 | 427 | 877 | 1079 |
| 45° | 58990 | 25866 | 414 | 950 | 1218 |
| 50° | 59454 | 4474 | 455 | 1099 | 1393 |
| 55° | 17565 | 270 | 510 | 1231 | 1561 |
| 60° | 310 | 310 | 517 | 1343 | 1722 |
| 65° | 245 | 245 | 530 | 1426 | 1834 |
| 70° | 302 | 302 | 554 | 1511 | 2065 |
| 75° | 266 | 266 | 599 | 1597 | 2129 |
| 80° | 198 | 397 | 595 | 1488 | 2380 |
| 85° | 395 | 790 | 790 | 1778 | 2174 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 67393 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 12.8 | 5.2 |
| 10°-20° | 31.8 | 12.9 |
| 20°-30° | 59.5 | 24.2 |
| 30°-40° | 71.1 | 28.9 |
| 40°-50° | 51.0 | 20.7 |
| 50°-60° | 15.7 | 6.4 |
| 60°-70° | 2.1 | 0.8 |
| 70°-80° | 1.5 | 0.6 |
| 80°-90° | 0.6 | 0.2 |
| 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° | 104.0 | 42.3 |
| 0°-40° | 175.2 | 71.2 |
| 0°-60° | 241.8 | 98.3 |
| 0°-90° | 246.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 246.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 158 | 158 | 158 | 158 | 158 | |
| 5° | 220 | 208 | 151 | 73 | 47 | 20 |
| 15° | 224 | 220 | 88 | 5 | 5 | 72 |
| 25° | 411 | 271 | 17 | 4 | 4 | 189 |
| 35° | 459 | 220 | 3 | 4 | 4 | 285 |
| 45° | 242 | 106 | 2 | 4 | 5 | 222 |
| 55° | 58 | 1 | 2 | 4 | 5 | 75 |
| 65° | 1 | 1 | 1 | 4 | 4 | 1 |
| 75° | 0 | 0 | 1 | 2 | 3 | 0 |
| 85° | 0 | 0 | 0 | 1 | 1 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1321004
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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 |
| 2.5° | 197.8 | 198.2 | 198.9 | 197.2 | 196.1 | 195.2 | 193.7 | 193.3 | 189.6 | 188.1 | 186.5 |
| 5° | 219.7 | 219.3 | 219.7 | 219.0 | 218.6 | 217.3 | 216.0 | 213.8 | 211.5 | 208.4 | 205.0 |
| 7.5° | 220.3 | 219.9 | 220.8 | 220.8 | 221.6 | 221.6 | 221.6 | 221.9 | 220.6 | 218.4 | 215.4 |
| 10° | 213.2 | 213.2 | 214.1 | 213.6 | 215.1 | 215.8 | 217.3 | 219.9 | 221.2 | 221.4 | 220.6 |
| 12.5° | 209.5 | 209.5 | 209.7 | 208.9 | 209.3 | 209.9 | 211.7 | 214.7 | 217.7 | 220.8 | 222.5 |
| 15° | 224.2 | 224.7 | 221.6 | 217.3 | 214.1 | 210.6 | 209.5 | 211.5 | 214.7 | 219.5 | 223.4 |
| 17.5° | 274.3 | 274.9 | 271.7 | 261.3 | 251.3 | 237.0 | 224.2 | 218.0 | 214.5 | 218.4 | 223.6 |
| 20° | 344.5 | 342.1 | 336.5 | 325.4 | 310.9 | 288.8 | 268.9 | 248.7 | 229.4 | 223.6 | 225.3 |
| 22.5° | 394.1 | 393.2 | 388.7 | 376.3 | 363.8 | 343.2 | 317.8 | 289.7 | 261.7 | 244.0 | 234.6 |
| 25° | 410.6 | 409.9 | 405.8 | 398.4 | 391.5 | 375.9 | 353.1 | 324.8 | 295.5 | 270.8 | 247.4 |
| 27.5° | 422.9 | 422.0 | 415.5 | 407.3 | 400.2 | 384.3 | 363.5 | 342.1 | 315.2 | 281.9 | 245.9 |
| 30° | 449.8 | 447.4 | 438.3 | 423.6 | 409.9 | 388.0 | 365.1 | 338.4 | 302.0 | 265.4 | 230.3 |
| 32.5° | 461.0 | 459.7 | 451.9 | 440.0 | 425.1 | 396.5 | 361.6 | 317.0 | 269.1 | 237.5 | 211.9 |
| 35° | 458.7 | 456.7 | 448.7 | 435.0 | 416.8 | 389.3 | 342.7 | 281.4 | 242.4 | 220.3 | 191.5 |
| 37.5° | 451.5 | 448.7 | 439.2 | 423.1 | 401.0 | 365.1 | 304.2 | 252.6 | 227.5 | 202.6 | 163.8 |
| 40° | 434.2 | 429.6 | 418.6 | 401.9 | 379.8 | 332.6 | 269.1 | 235.3 | 211.9 | 177.4 | 132.8 |
| 42.5° | 367.9 | 365.5 | 370.9 | 368.1 | 348.6 | 292.9 | 244.2 | 219.5 | 187.2 | 143.4 | 96.2 |
| 45° | 242.2 | 246.3 | 256.1 | 272.8 | 276.7 | 252.0 | 223.8 | 193.5 | 154.0 | 106.2 | 55.5 |
| 47.5° | 224.2 | 223.4 | 225.8 | 229.0 | 229.7 | 219.3 | 193.7 | 159.9 | 114.4 | 60.7 | 15.4 |
| 50° | 221.9 | 220.6 | 218.6 | 214.7 | 206.5 | 186.3 | 157.3 | 116.6 | 66.1 | 16.7 | 1.1 |
| 52.5° | 175.3 | 174.0 | 174.0 | 168.3 | 157.7 | 138.2 | 108.5 | 64.1 | 18.4 | 1.1 | 0.9 |
| 55° | 58.5 | 62.4 | 61.7 | 61.5 | 66.3 | 61.1 | 46.8 | 16.5 | 1.5 | 0.9 | 0.9 |
| 57.5° | 1.1 | 1.1 | 1.1 | 1.9 | 3.0 | 4.3 | 2.6 | 1.3 | 0.9 | 0.9 | 0.9 |
| 60° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 62.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 65° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.9 |
| 67.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 70° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 72.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.6 | 0.6 | 0.6 |
| 75° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.6 |
| 77.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 80° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 | 0.4 | 0.4 |
| 82.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 | 0.4 |
| 85° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 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):

| | 55° | 60° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| 0° | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 | 158.2 |
| 2.5° | 183.1 | 180.0 | 174.2 | 157.5 | 139.1 | 118.1 | 103.8 | 102.0 |
| 5° | 199.5 | 195.0 | 185.5 | 151.4 | 109.4 | 72.8 | 54.2 | 47.2 |
| 7.5° | 210.4 | 204.3 | 192.6 | 141.5 | 79.7 | 38.3 | 20.6 | 16.5 |
| 10° | 216.9 | 211.2 | 196.3 | 126.5 | 50.7 | 15.2 | 6.9 | 6.5 |
| 12.5° | 220.3 | 214.9 | 197.6 | 108.5 | 28.6 | 6.9 | 5.4 | 5.4 |
| 15° | 222.7 | 216.9 | 195.6 | 87.7 | 14.3 | 5.2 | 5.0 | 5.0 |
| 17.5° | 223.8 | 216.7 | 190.0 | 66.1 | 7.6 | 4.8 | 4.8 | 4.8 |
| 20° | 224.5 | 214.3 | 179.6 | 45.1 | 5.2 | 4.3 | 4.5 | 4.5 |
| 22.5° | 225.1 | 208.4 | 166.0 | 28.6 | 4.1 | 4.1 | 4.3 | 4.3 |
| 25° | 223.8 | 198.2 | 146.7 | 17.3 | 3.7 | 3.9 | 4.1 | 4.3 |
| 27.5° | 214.5 | 182.9 | 123.3 | 10.6 | 3.2 | 3.7 | 4.1 | 4.3 |
| 30° | 198.5 | 160.3 | 96.2 | 6.7 | 3.0 | 3.7 | 4.1 | 4.3 |
| 32.5° | 177.7 | 134.5 | 68.7 | 4.1 | 3.0 | 3.7 | 4.1 | 4.3 |
| 35° | 149.7 | 102.9 | 44.6 | 2.8 | 3.0 | 3.7 | 4.3 | 4.5 |
| 37.5° | 118.3 | 71.9 | 24.0 | 2.2 | 3.0 | 3.7 | 4.3 | 4.5 |
| 40° | 85.1 | 43.1 | 8.7 | 1.9 | 2.8 | 3.9 | 4.5 | 4.8 |
| 42.5° | 49.8 | 16.0 | 1.5 | 1.7 | 2.8 | 3.9 | 4.5 | 4.8 |
| 45° | 14.3 | 1.7 | 0.9 | 1.7 | 2.8 | 3.9 | 4.8 | 5.0 |
| 47.5° | 1.1 | 0.6 | 0.9 | 1.7 | 2.8 | 3.9 | 4.8 | 5.2 |
| 50° | 0.6 | 0.6 | 0.6 | 1.7 | 2.8 | 4.1 | 5.0 | 5.2 |
| 52.5° | 0.9 | 0.9 | 0.9 | 1.7 | 2.8 | 4.1 | 5.0 | 5.2 |
| 55° | 0.9 | 0.9 | 0.9 | 1.7 | 2.8 | 4.1 | 5.0 | 5.2 |
| 57.5° | 0.9 | 0.9 | 0.9 | 1.7 | 2.8 | 3.9 | 5.0 | 5.2 |
| 60° | 0.9 | 0.9 | 0.9 | 1.5 | 2.6 | 3.9 | 4.8 | 5.0 |
| 62.5° | 0.9 | 0.9 | 0.9 | 1.5 | 2.6 | 3.7 | 4.8 | 4.8 |
| 65° | 0.9 | 0.9 | 0.9 | 1.3 | 2.4 | 3.5 | 4.3 | 4.5 |
| 67.5° | 0.9 | 0.9 | 0.9 | 1.3 | 2.2 | 3.2 | 4.1 | 4.3 |
| 70° | 0.6 | 0.9 | 0.9 | 1.1 | 1.9 | 3.0 | 3.9 | 4.1 |
| 72.5° | 0.6 | 0.6 | 0.9 | 1.1 | 1.7 | 2.6 | 3.5 | 3.7 |
| 75° | 0.6 | 0.6 | 0.6 | 0.9 | 1.5 | 2.4 | 3.0 | 3.2 |
| 77.5° | 0.6 | 0.6 | 0.6 | 0.9 | 1.3 | 1.9 | 2.8 | 2.8 |
| 80° | 0.4 | 0.6 | 0.6 | 0.6 | 1.1 | 1.5 | 2.2 | 2.4 |
| 82.5° | 0.4 | 0.4 | 0.4 | 0.6 | 0.9 | 1.3 | 1.7 | 1.7 |
| 85° | 0.4 | 0.4 | 0.4 | 0.4 | 0.6 | 0.9 | 1.1 | 1.1 |
| 87.5° | 0.2 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)