

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: P1321047

Luminaire Tested: LDSQA3D02R55B2750DE010 3LSQCA30R 1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321047
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R55B2750DE010 3LSQCA30R 1MW_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 3500K CCT AND, 80CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

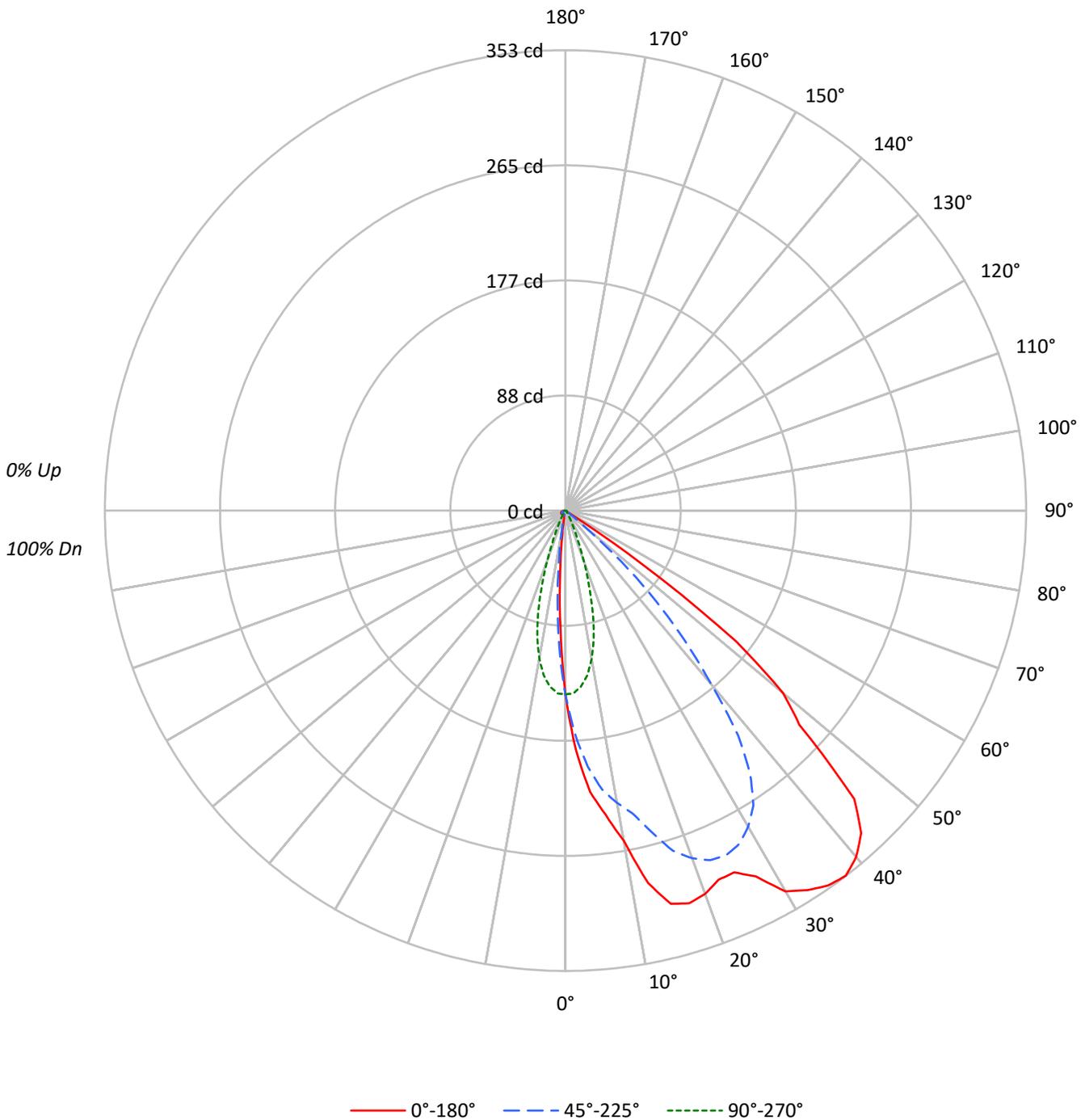
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 235.0 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
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: P1321047

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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 | 102 | 103 | 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 | 86 | 83 | 81 |
| 3 | 98 | 90 | 84 | 79 | 96 | 89 | 83 | 79 | 86 | 81 | 77 | 83 | 79 | 76 | 81 | 78 | 75 | 73 |
| 4 | 92 | 82 | 75 | 70 | 90 | 81 | 75 | 70 | 79 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 65 |
| 5 | 85 | 75 | 68 | 63 | 84 | 74 | 67 | 62 | 72 | 66 | 62 | 70 | 65 | 61 | 69 | 64 | 61 | 59 |
| 6 | 80 | 69 | 62 | 56 | 78 | 68 | 61 | 56 | 66 | 60 | 56 | 65 | 59 | 55 | 63 | 59 | 55 | 53 |
| 7 | 75 | 63 | 56 | 51 | 73 | 63 | 56 | 51 | 61 | 55 | 50 | 60 | 54 | 50 | 59 | 54 | 50 | 48 |
| 8 | 70 | 58 | 51 | 46 | 68 | 58 | 51 | 46 | 57 | 50 | 46 | 55 | 50 | 46 | 54 | 49 | 45 | 44 |
| 9 | 66 | 54 | 47 | 42 | 64 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 50 | 45 | 41 | 40 |
| 10 | 62 | 50 | 43 | 39 | 61 | 50 | 43 | 38 | 49 | 43 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 24266 | 24266 | 24266 | 24266 | 24266 |
| 5° | 37411 | 34057 | 23425 | 12032 | 7901 |
| 10° | 44944 | 39803 | 20164 | 3043 | 1207 |
| 15° | 55647 | 45466 | 14406 | 838 | 660 |
| 20° | 57310 | 51995 | 7441 | 568 | 568 |
| 25° | 58148 | 55393 | 2983 | 513 | 589 |
| 30° | 67018 | 55662 | 1293 | 537 | 616 |
| 35° | 73775 | 51888 | 568 | 568 | 694 |
| 40° | 77923 | 39051 | 315 | 652 | 742 |
| 45° | 76210 | 23869 | 292 | 706 | 901 |
| 50° | 58302 | 5091 | 322 | 831 | 1045 |
| 55° | 21379 | 180 | 360 | 931 | 1171 |
| 60° | 207 | 207 | 413 | 1068 | 1343 |
| 65° | 245 | 245 | 489 | 1100 | 1426 |
| 70° | 201 | 302 | 504 | 1209 | 1662 |
| 75° | 133 | 266 | 532 | 1331 | 1930 |
| 80° | 198 | 397 | 595 | 1389 | 1984 |
| 85° | 0 | 395 | 790 | 1581 | 1976 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 76210 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 12.4 | 5.3 |
| 10°-20° | 35.5 | 15.1 |
| 20°-30° | 54.5 | 23.2 |
| 30°-40° | 63.5 | 27.0 |
| 40°-50° | 50.7 | 21.6 |
| 50°-60° | 15.0 | 6.4 |
| 60°-70° | 1.6 | 0.7 |
| 70°-80° | 1.2 | 0.5 |
| 80°-90° | 0.5 | 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° | 102.4 | 43.6 |
| 0°-40° | 165.9 | 70.6 |
| 0°-60° | 231.6 | 98.6 |
| 0°-90° | 235.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 235.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 141 | 141 | 141 | 141 | 141 | |
| 5° | 216 | 197 | 136 | 70 | 46 | 22 |
| 15° | 312 | 255 | 81 | 5 | 4 | 86 |
| 25° | 306 | 292 | 16 | 3 | 3 | 145 |
| 35° | 351 | 247 | 3 | 3 | 3 | 219 |
| 45° | 313 | 98 | 1 | 3 | 4 | 226 |
| 55° | 71 | 1 | 1 | 3 | 4 | 75 |
| 65° | 1 | 1 | 1 | 3 | 4 | 1 |
| 75° | 0 | 0 | 1 | 2 | 3 | 0 |
| 85° | 0 | 0 | 0 | 1 | 1 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1321047

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 140.9 | 140.9 | 140.9 | 140.9 | 140.9 | 140.9 | 140.9 | 140.9 | 140.9 | 140.9 | 140.9 |
| 2.5° | 183.7 | 183.7 | 183.1 | 183.3 | 182.9 | 180.7 | 180.2 | 177.4 | 174.9 | 172.3 | 170.0 |
| 5° | 216.4 | 216.8 | 216.2 | 215.0 | 213.3 | 211.7 | 208.2 | 205.6 | 202.1 | 197.0 | 192.3 |
| 7.5° | 235.0 | 234.5 | 233.5 | 233.1 | 232.1 | 230.3 | 227.8 | 225.0 | 220.9 | 215.8 | 210.3 |
| 10° | 257.0 | 253.5 | 252.5 | 250.9 | 247.6 | 243.9 | 239.7 | 235.8 | 232.3 | 227.6 | 221.7 |
| 12.5° | 292.5 | 291.9 | 287.8 | 284.8 | 280.3 | 272.1 | 264.8 | 256.2 | 246.0 | 237.8 | 230.1 |
| 15° | 312.1 | 312.5 | 310.7 | 308.2 | 305.4 | 298.6 | 291.3 | 281.3 | 269.2 | 255.0 | 242.3 |
| 17.5° | 315.6 | 316.2 | 315.2 | 314.2 | 313.3 | 309.5 | 305.0 | 297.8 | 286.8 | 273.5 | 254.8 |
| 20° | 312.7 | 314.0 | 314.2 | 315.4 | 317.0 | 315.4 | 311.7 | 306.8 | 297.6 | 283.7 | 265.8 |
| 22.5° | 306.4 | 308.6 | 310.3 | 314.6 | 318.9 | 318.9 | 316.6 | 312.7 | 303.7 | 290.1 | 271.7 |
| 25° | 306.0 | 306.4 | 307.0 | 314.0 | 320.7 | 322.1 | 320.1 | 316.0 | 306.2 | 291.5 | 271.5 |
| 27.5° | 316.2 | 313.5 | 309.5 | 316.4 | 324.4 | 325.6 | 322.7 | 317.2 | 305.6 | 288.2 | 264.6 |
| 30° | 337.0 | 331.1 | 322.5 | 327.6 | 333.1 | 331.7 | 326.0 | 317.2 | 301.5 | 279.9 | 251.5 |
| 32.5° | 345.0 | 341.7 | 338.7 | 344.2 | 345.2 | 339.3 | 329.1 | 316.0 | 295.0 | 268.0 | 230.1 |
| 35° | 350.9 | 351.1 | 349.9 | 350.9 | 346.0 | 337.6 | 326.4 | 309.3 | 282.7 | 246.8 | 201.7 |
| 37.5° | 352.9 | 353.4 | 350.7 | 347.0 | 339.7 | 330.1 | 316.6 | 297.0 | 262.3 | 217.6 | 158.8 |
| 40° | 346.6 | 345.4 | 341.1 | 336.0 | 328.0 | 318.2 | 303.5 | 274.4 | 231.9 | 173.7 | 123.9 |
| 42.5° | 335.4 | 333.3 | 328.2 | 322.1 | 313.8 | 301.3 | 277.8 | 242.5 | 188.4 | 135.5 | 86.8 |
| 45° | 312.9 | 311.5 | 305.2 | 300.7 | 290.7 | 274.6 | 244.3 | 199.8 | 145.8 | 98.0 | 50.2 |
| 47.5° | 243.1 | 243.3 | 248.2 | 250.5 | 247.0 | 234.1 | 198.6 | 151.9 | 106.4 | 58.4 | 16.9 |
| 50° | 217.6 | 216.6 | 211.7 | 204.9 | 193.7 | 174.5 | 145.8 | 107.4 | 62.9 | 19.0 | 2.4 |
| 52.5° | 165.1 | 165.1 | 162.7 | 159.2 | 147.4 | 128.8 | 98.6 | 59.4 | 22.0 | 3.3 | 0.6 |
| 55° | 71.2 | 67.6 | 69.6 | 73.5 | 70.4 | 61.2 | 46.1 | 17.8 | 3.9 | 0.6 | 0.6 |
| 57.5° | 1.0 | 2.4 | 3.7 | 5.9 | 8.0 | 9.6 | 5.1 | 1.8 | 0.6 | 0.6 | 0.6 |
| 60° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 62.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 65° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 67.5° | 0.4 | 0.4 | 0.4 | 0.6 | 0.4 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 70° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.6 | 0.6 |
| 72.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 75° | 0.2 | 0.2 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 77.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 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 | 0.2 | 0.4 | 0.4 | 0.4 |
| 82.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 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° | 140.9 | 140.9 | 140.9 | 140.9 | 140.9 | 140.9 | 140.9 | 140.9 |
| 2.5° | 166.8 | 163.3 | 157.6 | 140.2 | 122.3 | 105.7 | 93.9 | 89.4 |
| 5° | 187.0 | 180.7 | 171.1 | 135.5 | 99.8 | 69.6 | 52.5 | 45.7 |
| 7.5° | 202.9 | 194.7 | 180.9 | 127.4 | 73.3 | 37.2 | 22.3 | 17.6 |
| 10° | 213.5 | 204.5 | 186.4 | 115.3 | 48.6 | 17.4 | 8.4 | 6.9 |
| 12.5° | 221.3 | 210.1 | 188.4 | 99.8 | 28.6 | 8.0 | 4.5 | 4.1 |
| 15° | 227.0 | 212.5 | 186.0 | 80.8 | 15.7 | 4.7 | 3.7 | 3.7 |
| 17.5° | 235.0 | 213.7 | 180.0 | 59.6 | 9.0 | 3.5 | 3.5 | 3.5 |
| 20° | 241.1 | 213.7 | 168.8 | 40.6 | 5.5 | 3.1 | 3.1 | 3.1 |
| 22.5° | 244.1 | 210.5 | 155.1 | 25.7 | 3.9 | 2.9 | 3.1 | 3.1 |
| 25° | 241.1 | 202.5 | 137.6 | 15.7 | 3.1 | 2.7 | 2.9 | 3.1 |
| 27.5° | 229.9 | 186.6 | 114.1 | 10.0 | 2.4 | 2.7 | 2.9 | 3.1 |
| 30° | 211.1 | 163.5 | 87.6 | 6.5 | 2.2 | 2.7 | 2.9 | 3.1 |
| 32.5° | 184.5 | 129.2 | 56.7 | 4.3 | 2.0 | 2.7 | 2.9 | 3.1 |
| 35° | 144.1 | 91.5 | 34.3 | 2.7 | 2.0 | 2.7 | 3.1 | 3.3 |
| 37.5° | 108.0 | 61.0 | 18.6 | 1.6 | 2.0 | 2.7 | 3.1 | 3.3 |
| 40° | 74.9 | 35.5 | 8.0 | 1.4 | 2.0 | 2.9 | 3.3 | 3.3 |
| 42.5° | 43.5 | 14.1 | 2.0 | 1.2 | 2.0 | 2.9 | 3.3 | 3.5 |
| 45° | 15.9 | 2.9 | 0.6 | 1.2 | 2.2 | 2.9 | 3.3 | 3.7 |
| 47.5° | 2.2 | 0.6 | 0.6 | 1.2 | 2.2 | 2.9 | 3.5 | 3.7 |
| 50° | 0.6 | 0.6 | 0.6 | 1.2 | 2.2 | 3.1 | 3.7 | 3.9 |
| 52.5° | 0.6 | 0.6 | 0.6 | 1.2 | 2.2 | 3.1 | 3.7 | 3.9 |
| 55° | 0.6 | 0.6 | 0.6 | 1.2 | 2.2 | 3.1 | 3.7 | 3.9 |
| 57.5° | 0.6 | 0.6 | 0.6 | 1.2 | 2.2 | 3.1 | 3.7 | 3.9 |
| 60° | 0.6 | 0.6 | 0.6 | 1.2 | 2.0 | 3.1 | 3.7 | 3.9 |
| 62.5° | 0.6 | 0.6 | 0.6 | 1.2 | 2.0 | 2.9 | 3.5 | 3.7 |
| 65° | 0.6 | 0.6 | 0.6 | 1.2 | 1.8 | 2.7 | 3.5 | 3.5 |
| 67.5° | 0.6 | 0.6 | 0.6 | 1.0 | 1.8 | 2.7 | 3.3 | 3.5 |
| 70° | 0.6 | 0.6 | 0.6 | 1.0 | 1.6 | 2.4 | 3.1 | 3.3 |
| 72.5° | 0.6 | 0.6 | 0.6 | 0.8 | 1.4 | 2.2 | 2.9 | 3.1 |
| 75° | 0.4 | 0.6 | 0.6 | 0.8 | 1.4 | 2.0 | 2.7 | 2.9 |
| 77.5° | 0.4 | 0.6 | 0.6 | 0.6 | 1.2 | 1.6 | 2.2 | 2.4 |
| 80° | 0.4 | 0.4 | 0.6 | 0.6 | 1.0 | 1.4 | 1.8 | 2.0 |
| 82.5° | 0.4 | 0.4 | 0.4 | 0.6 | 0.8 | 1.0 | 1.4 | 1.4 |
| 85° | 0.4 | 0.4 | 0.4 | 0.4 | 0.6 | 0.8 | 1.0 | 1.0 |
| 87.5° | 0.2 | 0.2 | 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)