

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: P1314193

Luminaire Tested: LDSQA3D02R459730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314193
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-69)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R459730DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

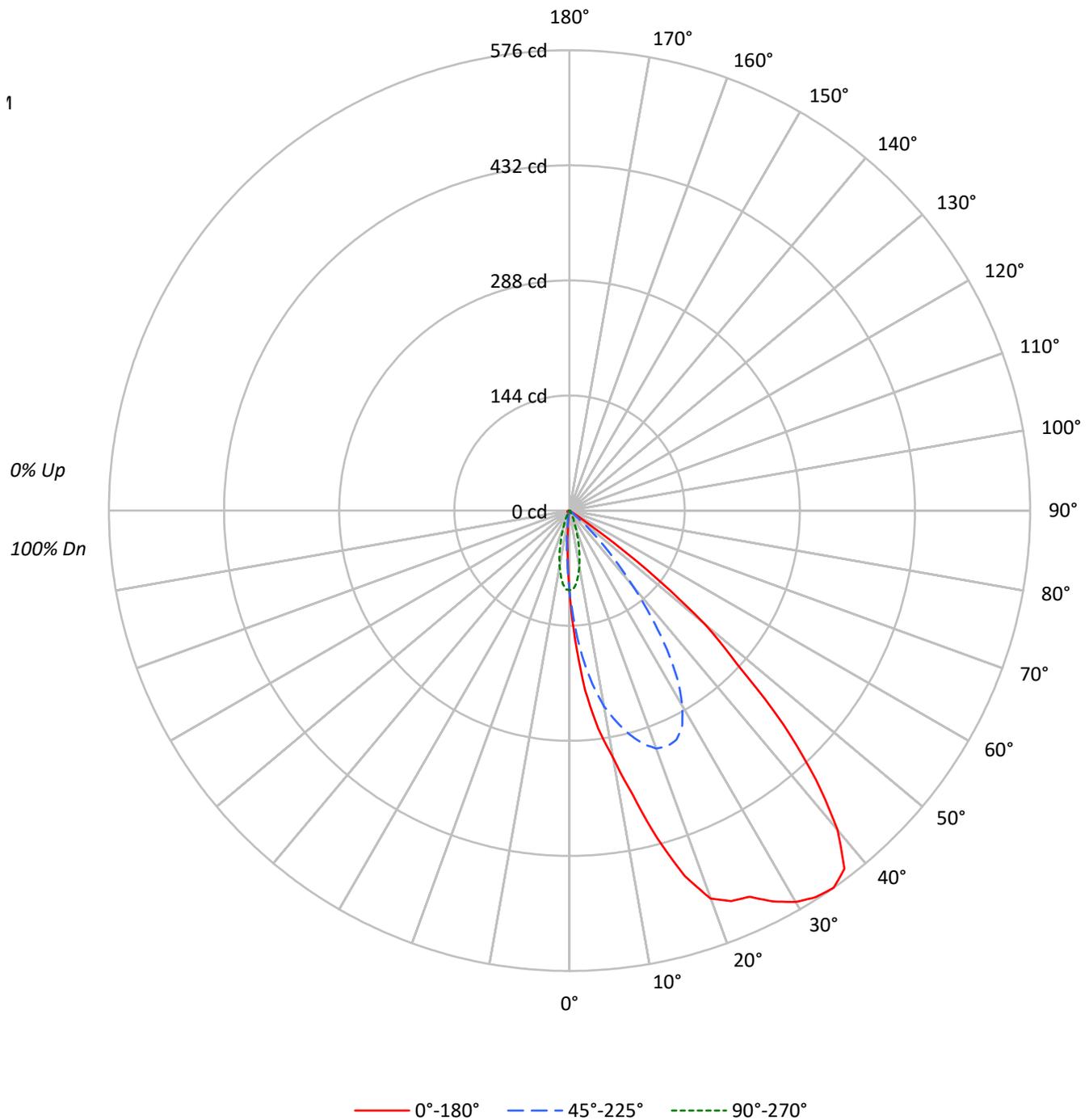
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 261.0 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 2.13 / 0.47 / 1.22
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: P1314193

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 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 | 93 | 90 | 95 | 91 | 88 | 91 | 88 | 86 | 89 | 86 | 84 | 89 | 86 | 84 | 82 |
| 3 | 99 | 91 | 85 | 80 | 96 | 89 | 84 | 80 | 87 | 82 | 78 | 84 | 80 | 77 | 82 | 79 | 76 | 82 | 79 | 76 | 74 |
| 4 | 92 | 83 | 76 | 71 | 90 | 82 | 76 | 71 | 80 | 74 | 70 | 77 | 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 | 81 | 70 | 63 | 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 | 57 | 52 | 62 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 51 | 60 | 55 | 51 | 49 |
| 8 | 71 | 59 | 52 | 47 | 69 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 55 | 50 | 46 | 55 | 50 | 46 | 45 |
| 9 | 66 | 55 | 48 | 43 | 65 | 54 | 47 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 51 | 46 | 42 | 51 | 46 | 42 | 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° | 17102 | 17102 | 17102 | 17102 | 17102 |
| 5° | 38985 | 31620 | 15991 | 6414 | 4374 |
| 10° | 54930 | 43440 | 12364 | 1417 | 647 |
| 15° | 75688 | 51689 | 7899 | 464 | 392 |
| 20° | 94643 | 58043 | 4124 | 312 | 312 |
| 25° | 101284 | 60105 | 1900 | 247 | 285 |
| 30° | 112419 | 56120 | 875 | 259 | 298 |
| 35° | 121101 | 44740 | 273 | 273 | 357 |
| 40° | 117177 | 27720 | 157 | 337 | 450 |
| 45° | 92017 | 13079 | 170 | 414 | 536 |
| 50° | 59132 | 1527 | 241 | 536 | 697 |
| 55° | 8978 | 120 | 270 | 661 | 841 |
| 60° | 138 | 138 | 310 | 758 | 896 |
| 65° | 163 | 163 | 367 | 815 | 1060 |
| 70° | 201 | 201 | 453 | 856 | 1209 |
| 75° | 133 | 266 | 599 | 998 | 1331 |
| 80° | 198 | 397 | 694 | 1091 | 1488 |
| 85° | 0 | 395 | 790 | 1383 | 1383 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 92017 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 10.9 | 4.2 |
| 10°-20° | 39.3 | 15.1 |
| 20°-30° | 69.0 | 26.5 |
| 30°-40° | 78.4 | 30.0 |
| 40°-50° | 50.8 | 19.5 |
| 50°-60° | 10.0 | 3.8 |
| 60°-70° | 1.2 | 0.5 |
| 70°-80° | 1.0 | 0.4 |
| 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° | 119.2 | 45.7 |
| 0°-40° | 197.6 | 75.7 |
| 0°-60° | 258.3 | 99.0 |
| 0°-90° | 261.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 261.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 99 | 99 | 99 | 99 | 99 | |
| 5° | 226 | 183 | 92 | 37 | 25 | 24 |
| 15° | 424 | 290 | 44 | 3 | 2 | 122 |
| 25° | 533 | 316 | 10 | 1 | 2 | 250 |
| 35° | 576 | 213 | 1 | 1 | 2 | 354 |
| 45° | 378 | 54 | 1 | 2 | 2 | 285 |
| 55° | 30 | 0 | 1 | 2 | 3 | 57 |
| 65° | 0 | 0 | 1 | 2 | 3 | 0 |
| 75° | 0 | 0 | 1 | 2 | 2 | 0 |
| 85° | 0 | 0 | 0 | 1 | 1 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1314193

CATALOG NUMBER: LDSQA3D02R459730DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 2.5° | 161.3 | 160.9 | 161.5 | 157.2 | 156.9 | 153.7 | 152.8 | 149.1 | 144.1 | 141.7 | 136.0 |
| 5° | 225.5 | 223.3 | 223.3 | 218.1 | 216.3 | 212.6 | 206.3 | 198.4 | 191.9 | 182.9 | 173.3 |
| 7.5° | 275.0 | 274.6 | 274.6 | 270.0 | 265.6 | 260.4 | 251.9 | 242.9 | 232.5 | 218.7 | 204.7 |
| 10° | 314.1 | 314.8 | 312.8 | 308.6 | 302.3 | 296.6 | 286.6 | 275.7 | 262.8 | 248.4 | 229.8 |
| 12.5° | 363.4 | 358.6 | 357.1 | 347.7 | 339.6 | 328.7 | 316.7 | 304.3 | 288.3 | 270.2 | 249.3 |
| 15° | 424.5 | 418.4 | 412.3 | 399.9 | 386.3 | 369.5 | 350.8 | 332.4 | 311.9 | 289.9 | 263.7 |
| 17.5° | 479.1 | 479.1 | 471.0 | 451.4 | 433.9 | 409.0 | 383.7 | 359.3 | 335.1 | 306.0 | 273.3 |
| 20° | 516.4 | 514.5 | 508.4 | 494.0 | 474.1 | 445.9 | 413.0 | 378.7 | 349.5 | 316.7 | 278.7 |
| 22.5° | 528.7 | 528.2 | 528.4 | 519.9 | 504.0 | 474.8 | 434.4 | 394.0 | 357.3 | 319.3 | 276.1 |
| 25° | 533.0 | 533.9 | 536.1 | 532.8 | 520.8 | 491.6 | 447.5 | 401.2 | 359.7 | 316.3 | 266.1 |
| 27.5° | 551.1 | 549.4 | 551.8 | 549.6 | 536.1 | 501.2 | 450.1 | 399.4 | 354.5 | 305.2 | 248.2 |
| 30° | 565.3 | 564.9 | 569.0 | 567.1 | 549.4 | 507.3 | 447.7 | 392.9 | 341.6 | 282.2 | 220.0 |
| 32.5° | 573.4 | 573.6 | 574.7 | 566.6 | 540.5 | 494.0 | 435.9 | 379.6 | 317.4 | 252.3 | 183.4 |
| 35° | 576.0 | 574.7 | 568.6 | 548.7 | 512.9 | 463.2 | 406.9 | 347.9 | 284.4 | 212.8 | 144.9 |
| 37.5° | 564.7 | 557.9 | 542.2 | 512.5 | 471.0 | 424.5 | 369.8 | 308.0 | 239.2 | 168.1 | 108.0 |
| 40° | 521.2 | 512.3 | 492.4 | 462.1 | 423.5 | 378.5 | 322.4 | 257.8 | 185.5 | 123.3 | 76.0 |
| 42.5° | 456.2 | 451.6 | 430.9 | 404.5 | 371.7 | 326.3 | 268.5 | 203.0 | 137.3 | 85.1 | 48.5 |
| 45° | 377.8 | 371.9 | 358.8 | 335.5 | 309.7 | 262.1 | 208.2 | 145.4 | 93.6 | 53.7 | 24.0 |
| 47.5° | 283.3 | 283.8 | 274.8 | 257.1 | 231.8 | 192.1 | 142.5 | 97.6 | 58.7 | 27.7 | 5.5 |
| 50° | 220.7 | 217.6 | 205.0 | 186.8 | 157.4 | 127.9 | 92.1 | 61.6 | 31.0 | 5.7 | 0.4 |
| 52.5° | 122.2 | 124.2 | 117.4 | 111.5 | 96.3 | 76.4 | 54.4 | 31.2 | 6.5 | 0.7 | 0.4 |
| 55° | 29.9 | 31.7 | 30.3 | 31.0 | 32.1 | 28.6 | 22.0 | 6.1 | 0.7 | 0.4 | 0.4 |
| 57.5° | 0.7 | 0.7 | 0.7 | 0.7 | 1.1 | 1.5 | 1.5 | 0.4 | 0.4 | 0.4 | 0.4 |
| 60° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 62.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 65° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 67.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 70° | 0.4 | 0.4 | 0.4 | 0.2 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 72.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 | 0.4 |
| 75° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 | 0.4 |
| 77.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 |
| 80° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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° | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 2.5° | 133.1 | 129.0 | 121.4 | 98.7 | 79.2 | 64.0 | 54.8 | 53.9 |
| 5° | 164.8 | 153.7 | 137.5 | 92.5 | 58.5 | 37.1 | 26.8 | 25.3 |
| 7.5° | 189.9 | 174.2 | 149.3 | 82.5 | 39.9 | 19.0 | 10.5 | 8.7 |
| 10° | 210.6 | 188.4 | 155.4 | 70.7 | 25.1 | 8.1 | 4.4 | 3.7 |
| 12.5° | 224.8 | 198.0 | 156.5 | 57.6 | 14.4 | 3.9 | 2.8 | 2.6 |
| 15° | 234.0 | 201.0 | 151.3 | 44.3 | 8.1 | 2.6 | 2.4 | 2.2 |
| 17.5° | 237.7 | 198.4 | 141.2 | 32.1 | 4.4 | 2.0 | 2.0 | 2.0 |
| 20° | 236.0 | 189.9 | 126.4 | 22.5 | 2.8 | 1.7 | 1.7 | 1.7 |
| 22.5° | 227.7 | 175.3 | 107.8 | 15.1 | 2.0 | 1.5 | 1.5 | 1.5 |
| 25° | 211.3 | 155.4 | 88.2 | 10.0 | 1.3 | 1.3 | 1.5 | 1.5 |
| 27.5° | 186.8 | 131.0 | 67.4 | 6.8 | 1.1 | 1.3 | 1.5 | 1.5 |
| 30° | 156.1 | 103.7 | 48.5 | 4.4 | 1.1 | 1.3 | 1.3 | 1.5 |
| 32.5° | 124.0 | 75.5 | 31.9 | 2.6 | 0.9 | 1.3 | 1.5 | 1.7 |
| 35° | 89.9 | 51.5 | 20.3 | 1.3 | 1.1 | 1.3 | 1.5 | 1.7 |
| 37.5° | 63.1 | 33.6 | 11.8 | 0.9 | 1.1 | 1.3 | 1.7 | 1.7 |
| 40° | 41.0 | 18.8 | 4.4 | 0.7 | 1.1 | 1.5 | 1.7 | 2.0 |
| 42.5° | 21.4 | 6.5 | 0.9 | 0.7 | 1.1 | 1.5 | 2.0 | 2.2 |
| 45° | 5.5 | 0.9 | 0.2 | 0.7 | 1.3 | 1.7 | 2.2 | 2.2 |
| 47.5° | 0.7 | 0.2 | 0.2 | 0.9 | 1.3 | 2.0 | 2.2 | 2.4 |
| 50° | 0.2 | 0.4 | 0.4 | 0.9 | 1.3 | 2.0 | 2.4 | 2.6 |
| 52.5° | 0.4 | 0.4 | 0.4 | 0.9 | 1.5 | 2.0 | 2.6 | 2.8 |
| 55° | 0.4 | 0.4 | 0.4 | 0.9 | 1.5 | 2.2 | 2.6 | 2.8 |
| 57.5° | 0.4 | 0.4 | 0.4 | 0.9 | 1.5 | 2.2 | 2.6 | 2.6 |
| 60° | 0.4 | 0.4 | 0.4 | 0.9 | 1.5 | 2.2 | 2.6 | 2.6 |
| 62.5° | 0.4 | 0.4 | 0.7 | 0.9 | 1.5 | 2.0 | 2.6 | 2.6 |
| 65° | 0.4 | 0.7 | 0.7 | 0.9 | 1.5 | 2.0 | 2.4 | 2.6 |
| 67.5° | 0.4 | 0.4 | 0.7 | 0.9 | 1.5 | 2.0 | 2.4 | 2.6 |
| 70° | 0.4 | 0.4 | 0.7 | 0.9 | 1.3 | 1.7 | 2.2 | 2.4 |
| 72.5° | 0.4 | 0.4 | 0.7 | 0.9 | 1.3 | 1.7 | 2.0 | 2.2 |
| 75° | 0.4 | 0.4 | 0.7 | 0.9 | 1.1 | 1.5 | 2.0 | 2.0 |
| 77.5° | 0.4 | 0.4 | 0.7 | 0.7 | 1.1 | 1.3 | 1.7 | 1.7 |
| 80° | 0.4 | 0.4 | 0.7 | 0.7 | 0.9 | 1.1 | 1.3 | 1.5 |
| 82.5° | 0.4 | 0.4 | 0.4 | 0.7 | 0.7 | 0.9 | 1.1 | 1.1 |
| 85° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.7 | 0.7 | 0.7 |
| 87.5° | 0.2 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)