

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: P1323512

Luminaire Tested: LDSQA3D02R509030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323512
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: LDSQA3D02R509030D2WDE010 3LSQCA30R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

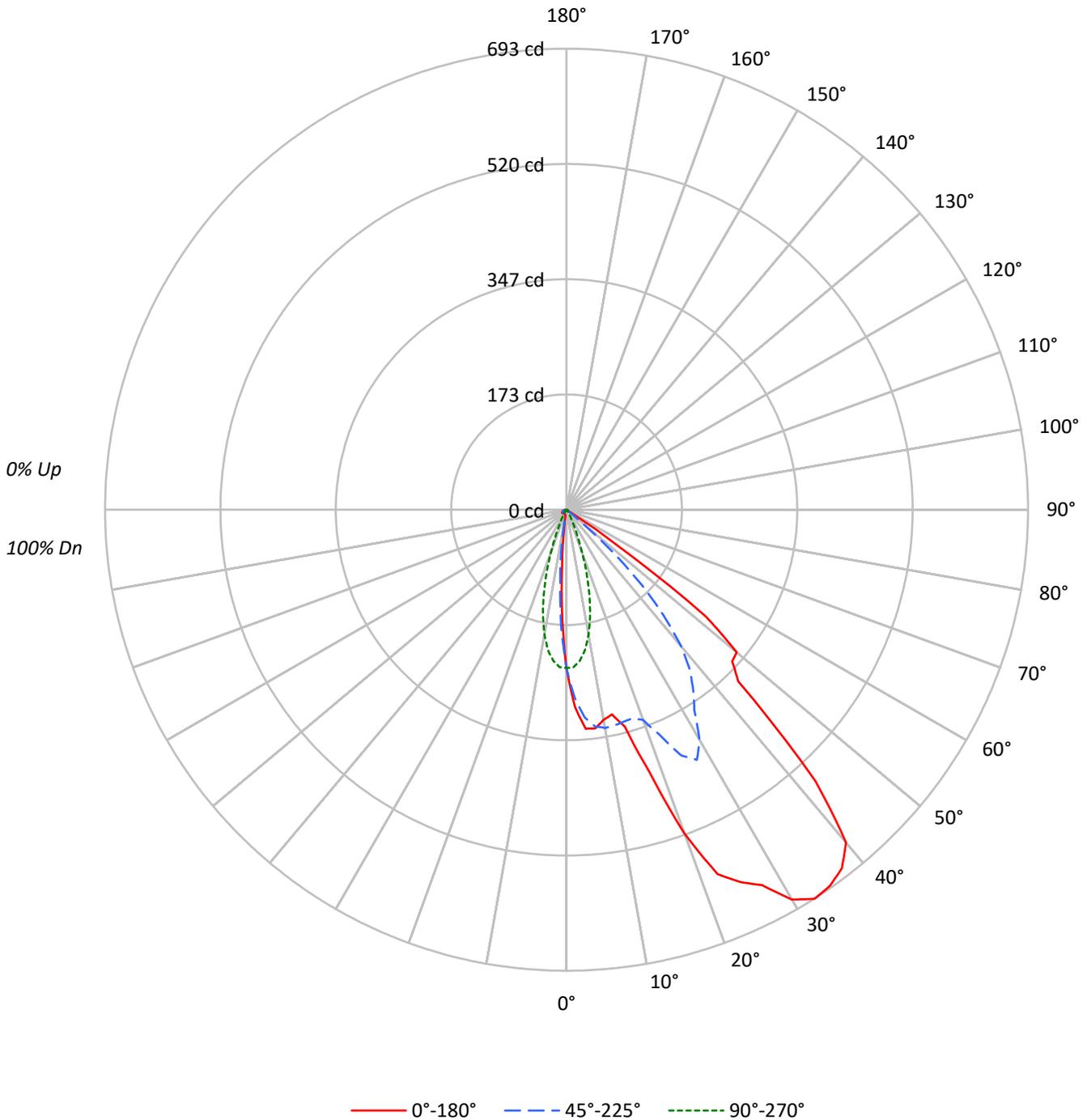
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 370.0 lumens
Efficiency: N/A
Efficacy: 51.4 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): 7.2
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: P1323512
CATALOG NUMBER: LDSQA3D02R509030D2WDE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1323512

CATALOG NUMBER: LDSQA3D02R509030D2WDE010 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 | 103 | 110 | 107 | 104 | 101 | 102 | 100 | 98 | 99 | 97 | 95 | 95 | 94 | 92 | 95 | 94 | 92 | 91 |
| 2 | 105 | 99 | 94 | 90 | 103 | 97 | 93 | 89 | 94 | 90 | 87 | 91 | 88 | 85 | 88 | 85 | 83 | 88 | 85 | 83 | 81 |
| 3 | 98 | 90 | 84 | 79 | 96 | 88 | 83 | 78 | 86 | 81 | 77 | 83 | 79 | 76 | 81 | 77 | 74 | 81 | 77 | 74 | 73 |
| 4 | 91 | 82 | 75 | 70 | 89 | 81 | 74 | 69 | 78 | 73 | 68 | 76 | 71 | 68 | 74 | 70 | 67 | 74 | 70 | 67 | 65 |
| 5 | 85 | 75 | 67 | 62 | 83 | 74 | 67 | 62 | 72 | 66 | 61 | 70 | 65 | 61 | 68 | 64 | 60 | 68 | 64 | 60 | 58 |
| 6 | 79 | 68 | 61 | 56 | 78 | 68 | 61 | 55 | 66 | 60 | 55 | 64 | 59 | 55 | 63 | 58 | 54 | 63 | 58 | 54 | 52 |
| 7 | 74 | 63 | 55 | 50 | 73 | 62 | 55 | 50 | 61 | 54 | 50 | 59 | 54 | 49 | 58 | 53 | 49 | 58 | 53 | 49 | 47 |
| 8 | 69 | 58 | 50 | 45 | 68 | 57 | 50 | 45 | 56 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 45 | 54 | 49 | 45 | 43 |
| 9 | 65 | 53 | 46 | 41 | 64 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 50 | 45 | 41 | 39 |
| 10 | 61 | 50 | 42 | 38 | 60 | 49 | 42 | 38 | 48 | 42 | 38 | 47 | 42 | 37 | 46 | 41 | 37 | 46 | 41 | 37 | 36 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|-------|-------|-------|
| 0° | 40972 | 40972 | 40972 | 40972 | 40972 |
| 5° | 57120 | 54198 | 39382 | 18930 | 12275 |
| 10° | 56066 | 58235 | 33280 | 3987 | 1714 |
| 15° | 60140 | 58856 | 23535 | 1391 | 1337 |
| 20° | 94955 | 61636 | 12426 | 1191 | 1246 |
| 25° | 117341 | 77398 | 4960 | 1121 | 1235 |
| 30° | 134533 | 79387 | 2009 | 1094 | 1293 |
| 35° | 145027 | 69675 | 883 | 1156 | 1430 |
| 40° | 146808 | 60005 | 652 | 1326 | 1619 |
| 45° | 88729 | 38896 | 633 | 1437 | 1827 |
| 50° | 89409 | 6725 | 697 | 1661 | 2090 |
| 55° | 26423 | 390 | 781 | 1862 | 2342 |
| 60° | 448 | 448 | 792 | 2032 | 2583 |
| 65° | 408 | 408 | 815 | 2119 | 2771 |
| 70° | 504 | 504 | 806 | 2316 | 3122 |
| 75° | 466 | 466 | 865 | 2396 | 3261 |
| 80° | 298 | 694 | 992 | 2281 | 3570 |
| 85° | 593 | 1383 | 1383 | 2569 | 3162 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 101345 cd/sqm



TEST NUMBER: P1323512

CATALOG NUMBER: LDSQA3D02R509030D2WDE010 3LSQCA30R 1MW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 19.2 | 5.2 |
| 10°-20° | 47.8 | 12.9 |
| 20°-30° | 89.5 | 24.2 |
| 30°-40° | 107.0 | 28.9 |
| 40°-50° | 76.7 | 20.7 |
| 50°-60° | 23.6 | 6.4 |
| 60°-70° | 3.1 | 0.8 |
| 70°-80° | 2.3 | 0.6 |
| 80°-90° | 0.9 | 0.3 |
| 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° | 156.5 | 42.3 |
| 0°-40° | 263.5 | 71.2 |
| 0°-60° | 363.7 | 98.3 |
| 0°-90° | 370.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 370.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 238 | 238 | 238 | 238 | 238 | |
| 5° | 330 | 314 | 228 | 110 | 71 | 31 |
| 15° | 337 | 330 | 132 | 8 | 8 | 108 |
| 25° | 618 | 407 | 26 | 6 | 6 | 285 |
| 35° | 690 | 331 | 4 | 6 | 7 | 428 |
| 45° | 364 | 160 | 3 | 6 | 8 | 335 |
| 55° | 88 | 1 | 3 | 6 | 8 | 113 |
| 65° | 1 | 1 | 2 | 5 | 7 | 1 |
| 75° | 1 | 1 | 1 | 4 | 5 | 1 |
| 85° | 0 | 1 | 1 | 1 | 2 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1323512

CATALOG NUMBER: LDSQA3D02R509030D2WDE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 237.9 | 237.9 | 237.9 | 237.9 | 237.9 | 237.9 | 237.9 | 237.9 | 237.9 | 237.9 | 237.9 |
| 2.5° | 297.5 | 298.2 | 299.1 | 296.5 | 294.9 | 293.6 | 291.3 | 290.7 | 285.1 | 282.8 | 280.6 |
| 5° | 330.4 | 329.8 | 330.4 | 329.4 | 328.8 | 326.8 | 324.9 | 321.6 | 318.0 | 313.5 | 308.3 |
| 7.5° | 331.4 | 330.7 | 332.1 | 332.1 | 333.4 | 333.4 | 333.4 | 333.7 | 331.7 | 328.5 | 323.9 |
| 10° | 320.6 | 320.6 | 322.0 | 321.3 | 323.6 | 324.6 | 326.8 | 330.7 | 332.7 | 333.0 | 331.7 |
| 12.5° | 315.1 | 315.1 | 315.4 | 314.1 | 314.8 | 315.8 | 318.4 | 322.9 | 327.5 | 332.1 | 334.7 |
| 15° | 337.3 | 337.9 | 333.4 | 326.8 | 322.0 | 316.7 | 315.1 | 318.0 | 322.9 | 330.1 | 336.0 |
| 17.5° | 412.5 | 413.5 | 408.6 | 393.0 | 378.0 | 356.5 | 337.3 | 327.8 | 322.6 | 328.5 | 336.3 |
| 20° | 518.1 | 514.5 | 506.1 | 489.4 | 467.6 | 434.4 | 404.4 | 374.1 | 345.1 | 336.3 | 338.9 |
| 22.5° | 592.7 | 591.4 | 584.6 | 566.0 | 547.1 | 516.2 | 478.0 | 435.7 | 393.6 | 366.9 | 352.9 |
| 25° | 617.5 | 616.5 | 610.3 | 599.3 | 588.8 | 565.4 | 531.2 | 488.5 | 444.5 | 407.3 | 372.1 |
| 27.5° | 636.1 | 634.8 | 625.0 | 612.6 | 601.9 | 578.1 | 546.8 | 514.5 | 474.1 | 423.9 | 369.9 |
| 30° | 676.5 | 672.9 | 659.2 | 637.1 | 616.5 | 583.6 | 549.1 | 509.0 | 454.3 | 399.2 | 346.4 |
| 32.5° | 693.4 | 691.5 | 679.7 | 661.8 | 639.3 | 596.3 | 543.9 | 476.7 | 404.7 | 357.1 | 318.7 |
| 35° | 689.8 | 686.9 | 674.9 | 654.3 | 627.0 | 585.6 | 515.5 | 423.3 | 364.6 | 331.4 | 288.1 |
| 37.5° | 679.1 | 674.9 | 660.5 | 636.4 | 603.2 | 549.1 | 457.5 | 380.0 | 342.2 | 304.7 | 246.4 |
| 40° | 653.0 | 646.2 | 629.6 | 604.5 | 571.2 | 500.2 | 404.7 | 353.9 | 318.7 | 266.9 | 199.8 |
| 42.5° | 553.3 | 549.7 | 557.9 | 553.6 | 524.3 | 440.6 | 367.2 | 330.1 | 281.5 | 215.7 | 144.7 |
| 45° | 364.3 | 370.5 | 385.2 | 410.3 | 416.1 | 379.0 | 336.6 | 291.0 | 231.7 | 159.7 | 83.4 |
| 47.5° | 337.3 | 336.0 | 339.5 | 344.4 | 345.4 | 329.8 | 291.3 | 240.5 | 172.1 | 91.2 | 23.1 |
| 50° | 333.7 | 331.7 | 328.8 | 322.9 | 310.5 | 280.2 | 236.6 | 175.3 | 99.4 | 25.1 | 1.6 |
| 52.5° | 263.6 | 261.7 | 261.7 | 253.2 | 237.2 | 207.9 | 163.3 | 96.5 | 27.7 | 1.6 | 1.3 |
| 55° | 88.0 | 93.8 | 92.9 | 92.5 | 99.7 | 91.9 | 70.4 | 24.8 | 2.3 | 1.3 | 1.3 |
| 57.5° | 1.6 | 1.6 | 1.6 | 2.9 | 4.6 | 6.5 | 3.9 | 2.0 | 1.3 | 1.3 | 1.3 |
| 60° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 62.5° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 65° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 |
| 67.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 70° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 72.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 1.0 | 1.0 | 1.0 |
| 75° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 1.0 |
| 77.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 80° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.7 | 0.7 | 0.7 | 0.7 |
| 82.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.7 | 0.7 | 0.7 |
| 85° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.7 | 0.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 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: P1323512

CATALOG NUMBER: LDSQA3D02R509030D2WDE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| 0° | 237.9 | 237.9 | 237.9 | 237.9 | 237.9 | 237.9 | 237.9 | 237.9 |
| 2.5° | 275.4 | 270.8 | 262.0 | 236.9 | 209.2 | 177.6 | 156.1 | 153.5 |
| 5° | 300.1 | 293.3 | 278.9 | 227.8 | 164.6 | 109.5 | 81.5 | 71.0 |
| 7.5° | 316.4 | 307.3 | 289.7 | 212.8 | 119.9 | 57.7 | 31.0 | 24.8 |
| 10° | 326.2 | 317.7 | 295.2 | 190.3 | 76.3 | 22.8 | 10.4 | 9.8 |
| 12.5° | 331.4 | 323.3 | 297.2 | 163.3 | 43.0 | 10.4 | 8.1 | 8.1 |
| 15° | 335.0 | 326.2 | 294.3 | 132.0 | 21.5 | 7.8 | 7.5 | 7.5 |
| 17.5° | 336.6 | 325.9 | 285.8 | 99.4 | 11.4 | 7.2 | 7.2 | 7.2 |
| 20° | 337.6 | 322.3 | 270.1 | 67.8 | 7.8 | 6.5 | 6.8 | 6.8 |
| 22.5° | 338.6 | 313.5 | 249.6 | 43.0 | 6.2 | 6.2 | 6.5 | 6.5 |
| 25° | 336.6 | 298.2 | 220.6 | 26.1 | 5.5 | 5.9 | 6.2 | 6.5 |
| 27.5° | 322.6 | 275.0 | 185.4 | 16.0 | 4.9 | 5.5 | 6.2 | 6.5 |
| 30° | 298.5 | 241.1 | 144.7 | 10.1 | 4.6 | 5.5 | 6.2 | 6.5 |
| 32.5° | 267.2 | 202.4 | 103.3 | 6.2 | 4.6 | 5.5 | 6.2 | 6.5 |
| 35° | 225.2 | 154.8 | 67.1 | 4.2 | 4.6 | 5.5 | 6.5 | 6.8 |
| 37.5° | 177.9 | 108.2 | 36.2 | 3.3 | 4.6 | 5.5 | 6.5 | 6.8 |
| 40° | 128.1 | 64.8 | 13.0 | 2.9 | 4.2 | 5.9 | 6.8 | 7.2 |
| 42.5° | 74.9 | 24.1 | 2.3 | 2.6 | 4.2 | 5.9 | 6.8 | 7.2 |
| 45° | 21.5 | 2.6 | 1.3 | 2.6 | 4.2 | 5.9 | 7.2 | 7.5 |
| 47.5° | 1.6 | 1.0 | 1.3 | 2.6 | 4.2 | 5.9 | 7.2 | 7.8 |
| 50° | 1.0 | 1.0 | 1.0 | 2.6 | 4.2 | 6.2 | 7.5 | 7.8 |
| 52.5° | 1.3 | 1.3 | 1.3 | 2.6 | 4.2 | 6.2 | 7.5 | 7.8 |
| 55° | 1.3 | 1.3 | 1.3 | 2.6 | 4.2 | 6.2 | 7.5 | 7.8 |
| 57.5° | 1.3 | 1.3 | 1.3 | 2.6 | 4.2 | 5.9 | 7.5 | 7.8 |
| 60° | 1.3 | 1.3 | 1.3 | 2.3 | 3.9 | 5.9 | 7.2 | 7.5 |
| 62.5° | 1.3 | 1.3 | 1.3 | 2.3 | 3.9 | 5.5 | 7.2 | 7.2 |
| 65° | 1.3 | 1.3 | 1.3 | 2.0 | 3.6 | 5.2 | 6.5 | 6.8 |
| 67.5° | 1.3 | 1.3 | 1.3 | 2.0 | 3.3 | 4.9 | 6.2 | 6.5 |
| 70° | 1.0 | 1.3 | 1.3 | 1.6 | 2.9 | 4.6 | 5.9 | 6.2 |
| 72.5° | 1.0 | 1.0 | 1.3 | 1.6 | 2.6 | 3.9 | 5.2 | 5.5 |
| 75° | 1.0 | 1.0 | 1.0 | 1.3 | 2.3 | 3.6 | 4.6 | 4.9 |
| 77.5° | 1.0 | 1.0 | 1.0 | 1.3 | 2.0 | 2.9 | 4.2 | 4.2 |
| 80° | 0.7 | 1.0 | 1.0 | 1.0 | 1.6 | 2.3 | 3.3 | 3.6 |
| 82.5° | 0.7 | 0.7 | 0.7 | 1.0 | 1.3 | 2.0 | 2.6 | 2.6 |
| 85° | 0.7 | 0.7 | 0.7 | 0.7 | 1.0 | 1.3 | 1.6 | 1.6 |
| 87.5° | 0.3 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)