

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: P1310103

Luminaire Tested: LDSQA3D05R609035DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310103
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R609035DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

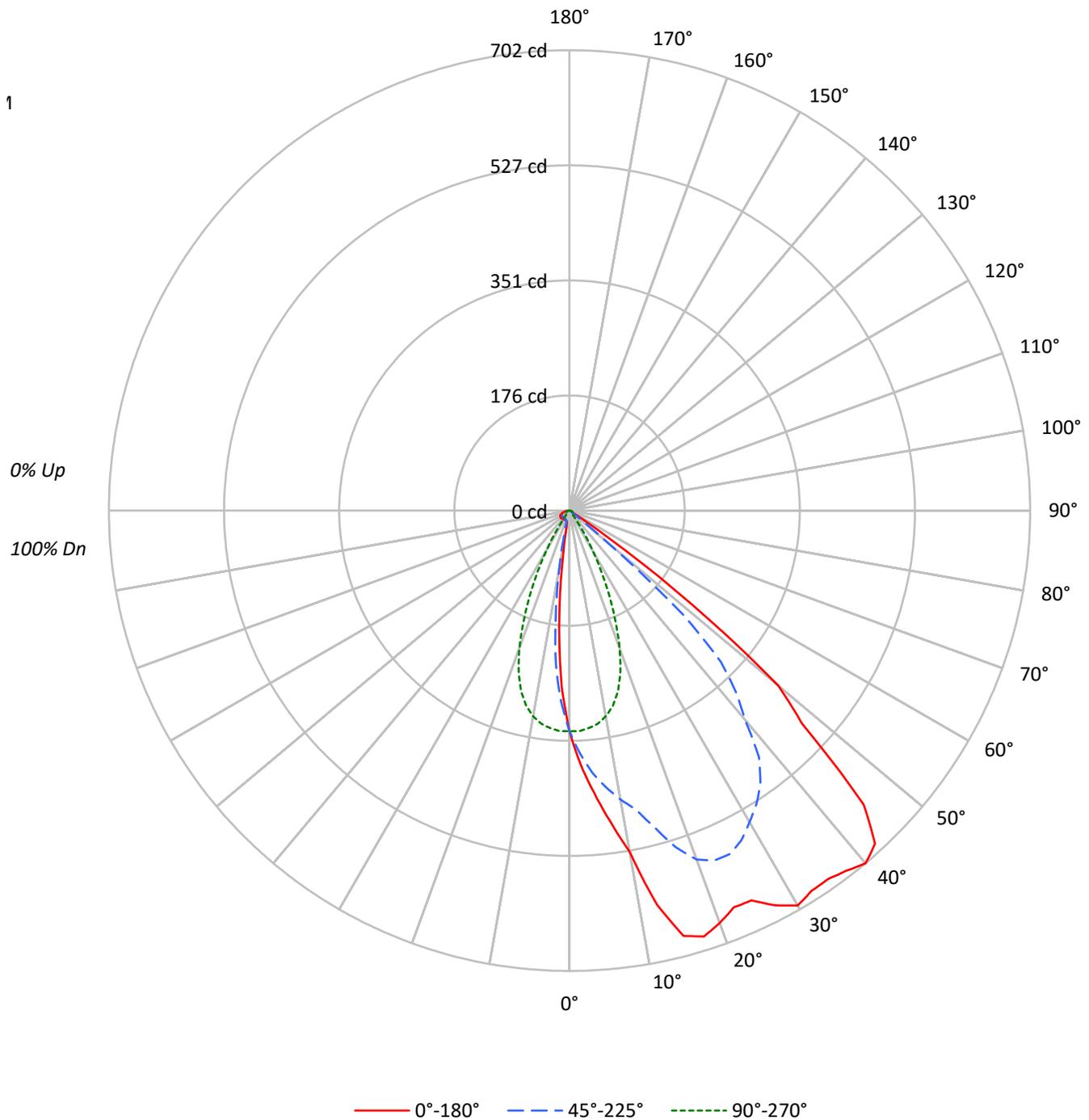
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 546.0 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
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 (A_{in}): 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: P1310103

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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 | 103 | 109 | 106 | 104 | 101 | 102 | 100 | 98 | 99 | 97 | 95 | 95 | 94 | 92 | 95 | 94 | 92 | 90 |
| 2 | 105 | 99 | 94 | 89 | 102 | 97 | 92 | 88 | 94 | 90 | 86 | 90 | 87 | 85 | 88 | 85 | 83 | 88 | 85 | 83 | 81 |
| 3 | 98 | 90 | 84 | 79 | 96 | 88 | 83 | 78 | 85 | 81 | 77 | 83 | 79 | 75 | 81 | 77 | 74 | 81 | 77 | 74 | 72 |
| 4 | 91 | 82 | 75 | 70 | 89 | 81 | 74 | 69 | 78 | 73 | 68 | 76 | 71 | 67 | 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 | 67 | 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 | 70 | 58 | 51 | 46 | 68 | 57 | 50 | 45 | 56 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 45 | 54 | 49 | 45 | 43 |
| 9 | 65 | 54 | 46 | 42 | 64 | 53 | 46 | 42 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 50 | 45 | 41 | 39 |
| 10 | 61 | 50 | 43 | 38 | 60 | 49 | 43 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 47 | 41 | 38 | 47 | 41 | 38 | 36 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 57884 | 57884 | 57884 | 57884 | 57884 |
| 5° | 74771 | 69429 | 57569 | 40990 | 31274 |
| 10° | 92406 | 78241 | 55717 | 15512 | 4599 |
| 15° | 119674 | 89060 | 50833 | 3405 | 3031 |
| 20° | 122630 | 103734 | 40907 | 2841 | 2932 |
| 25° | 124600 | 109816 | 27421 | 2736 | 2945 |
| 30° | 138291 | 109078 | 14139 | 2764 | 3082 |
| 35° | 144249 | 106636 | 3911 | 2922 | 3364 |
| 40° | 157847 | 93525 | 1844 | 3125 | 3710 |
| 45° | 154441 | 79473 | 1875 | 3385 | 4141 |
| 50° | 111325 | 19613 | 2063 | 3724 | 4555 |
| 55° | 21349 | 1231 | 2162 | 4023 | 5104 |
| 60° | 1068 | 1240 | 2136 | 4271 | 5511 |
| 65° | 1060 | 1263 | 2119 | 4401 | 5868 |
| 70° | 1057 | 1309 | 2065 | 4431 | 5992 |
| 75° | 998 | 1397 | 2063 | 4458 | 6188 |
| 80° | 496 | 1488 | 2083 | 4562 | 6149 |
| 85° | 988 | 988 | 1976 | 4150 | 6126 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 154441 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 29.2 | 5.4 |
| 10°-20° | 80.7 | 14.8 |
| 20°-30° | 124.2 | 22.7 |
| 30°-40° | 145.7 | 26.7 |
| 40°-50° | 116.8 | 21.4 |
| 50°-60° | 36.3 | 6.6 |
| 60°-70° | 6.9 | 1.3 |
| 70°-80° | 4.6 | 0.8 |
| 80°-90° | 1.6 | 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° | 234.1 | 42.9 |
| 0°-40° | 379.8 | 69.6 |
| 0°-60° | 533.0 | 97.6 |
| 0°-90° | 546.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 546.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 336 | 336 | 336 | 336 | 336 | |
| 5° | 432 | 402 | 333 | 237 | 181 | 44 |
| 15° | 671 | 500 | 285 | 19 | 17 | 184 |
| 25° | 656 | 578 | 144 | 14 | 16 | 310 |
| 35° | 686 | 507 | 19 | 14 | 16 | 434 |
| 45° | 634 | 326 | 8 | 14 | 17 | 454 |
| 55° | 71 | 4 | 7 | 13 | 17 | 113 |
| 65° | 3 | 3 | 5 | 11 | 14 | 2 |
| 75° | 2 | 2 | 3 | 7 | 9 | 1 |
| 85° | 0 | 0 | 1 | 2 | 3 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1310103

CATALOG NUMBER: LDSQA3D05R609035DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 336.1 | 336.1 | 336.1 | 336.1 | 336.1 | 336.1 | 336.1 | 336.1 | 336.1 | 336.1 | 336.1 |
| 2.5° | 387.6 | 383.5 | 383.5 | 382.0 | 380.4 | 380.9 | 376.8 | 378.4 | 374.2 | 371.2 | 368.6 |
| 5° | 432.5 | 427.3 | 426.8 | 424.2 | 421.7 | 419.6 | 414.5 | 411.4 | 405.2 | 401.6 | 393.8 |
| 7.5° | 478.9 | 474.8 | 472.2 | 469.1 | 464.5 | 459.3 | 450.5 | 444.9 | 435.1 | 425.3 | 415.5 |
| 10° | 528.4 | 524.8 | 519.1 | 515.5 | 502.6 | 494.4 | 482.5 | 474.8 | 460.3 | 447.4 | 432.5 |
| 12.5° | 615.0 | 612.9 | 602.1 | 594.9 | 576.3 | 559.8 | 534.0 | 513.4 | 487.7 | 466.5 | 446.4 |
| 15° | 671.2 | 668.6 | 662.9 | 656.2 | 644.4 | 625.8 | 602.6 | 573.7 | 537.7 | 499.5 | 465.5 |
| 17.5° | 681.0 | 681.5 | 677.9 | 676.3 | 668.6 | 656.7 | 638.2 | 616.5 | 580.4 | 538.2 | 491.8 |
| 20° | 669.1 | 673.2 | 672.2 | 675.3 | 676.8 | 672.2 | 659.8 | 638.7 | 607.2 | 566.0 | 513.9 |
| 22.5° | 654.7 | 658.3 | 657.3 | 662.9 | 671.7 | 676.3 | 672.2 | 655.2 | 623.2 | 577.4 | 526.3 |
| 25° | 655.7 | 658.3 | 650.6 | 654.2 | 665.5 | 676.8 | 677.4 | 662.4 | 627.9 | 577.9 | 525.3 |
| 27.5° | 678.4 | 670.7 | 653.1 | 651.6 | 665.5 | 679.9 | 681.0 | 662.4 | 621.2 | 567.0 | 515.0 |
| 30° | 695.4 | 689.7 | 670.1 | 667.6 | 681.0 | 690.8 | 685.6 | 656.7 | 605.2 | 548.5 | 500.0 |
| 32.5° | 687.2 | 688.2 | 679.9 | 688.2 | 705.7 | 709.8 | 688.2 | 643.3 | 583.0 | 530.4 | 482.5 |
| 35° | 686.1 | 690.2 | 694.9 | 707.8 | 719.6 | 709.8 | 675.3 | 618.1 | 559.3 | 507.2 | 455.2 |
| 37.5° | 692.3 | 699.0 | 705.7 | 717.0 | 717.0 | 691.8 | 641.3 | 586.1 | 531.0 | 474.3 | 398.5 |
| 40° | 702.1 | 706.2 | 708.3 | 707.3 | 693.3 | 656.2 | 602.6 | 547.5 | 494.9 | 416.0 | 360.8 |
| 42.5° | 689.2 | 688.7 | 686.6 | 677.9 | 652.1 | 603.6 | 553.6 | 508.8 | 425.8 | 375.3 | 312.4 |
| 45° | 634.1 | 634.1 | 628.4 | 614.5 | 590.8 | 550.5 | 506.2 | 440.7 | 388.2 | 326.3 | 232.0 |
| 47.5° | 479.9 | 476.3 | 482.5 | 490.7 | 490.7 | 487.1 | 446.9 | 390.2 | 336.6 | 235.6 | 74.2 |
| 50° | 415.5 | 409.8 | 402.1 | 403.6 | 402.6 | 406.7 | 380.9 | 338.2 | 249.0 | 73.2 | 5.2 |
| 52.5° | 235.1 | 245.4 | 270.6 | 306.2 | 322.2 | 327.9 | 311.9 | 257.2 | 84.0 | 4.6 | 4.1 |
| 55° | 71.1 | 73.2 | 83.0 | 102.1 | 138.7 | 177.3 | 179.9 | 83.5 | 5.7 | 4.1 | 4.1 |
| 57.5° | 3.1 | 3.1 | 4.1 | 6.2 | 14.4 | 21.7 | 23.2 | 5.2 | 3.6 | 4.1 | 4.1 |
| 60° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.6 | 3.6 | 3.6 | 3.6 | 4.1 |
| 62.5° | 2.6 | 2.6 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.6 | 3.6 | 3.6 |
| 65° | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 3.1 | 3.1 | 3.1 | 3.1 | 3.6 |
| 67.5° | 2.1 | 2.1 | 2.1 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 3.1 | 3.1 | 3.1 |
| 70° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.6 | 2.6 | 2.6 | 2.6 |
| 72.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.6 |
| 75° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2.1 | 2.1 | 2.1 | 2.1 |
| 77.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 80° | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 |
| 82.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 85° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 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° | 336.1 | 336.1 | 336.1 | 336.1 | 336.1 | 336.1 | 336.1 | 336.1 |
| 2.5° | 365.0 | 360.8 | 356.2 | 336.6 | 317.5 | 291.8 | 274.2 | 269.1 |
| 5° | 387.1 | 380.4 | 370.1 | 333.0 | 288.2 | 237.1 | 195.9 | 180.9 |
| 7.5° | 405.7 | 395.4 | 380.9 | 327.9 | 253.1 | 160.8 | 103.6 | 87.6 |
| 10° | 419.1 | 406.2 | 387.6 | 318.6 | 206.7 | 88.7 | 35.1 | 26.3 |
| 12.5° | 430.4 | 413.4 | 391.3 | 304.7 | 150.5 | 36.1 | 18.0 | 18.0 |
| 15° | 438.2 | 417.5 | 392.8 | 285.1 | 97.4 | 19.1 | 17.0 | 17.0 |
| 17.5° | 449.0 | 422.2 | 392.8 | 257.7 | 53.1 | 16.5 | 16.5 | 16.5 |
| 20° | 466.5 | 426.8 | 387.1 | 223.2 | 29.4 | 15.5 | 16.0 | 16.0 |
| 22.5° | 475.8 | 433.5 | 379.9 | 183.0 | 18.6 | 14.9 | 15.5 | 15.5 |
| 25° | 477.9 | 432.5 | 364.5 | 144.3 | 14.9 | 14.4 | 14.9 | 15.5 |
| 27.5° | 470.6 | 425.3 | 343.8 | 105.2 | 13.4 | 13.9 | 14.9 | 15.5 |
| 30° | 457.8 | 407.8 | 310.8 | 71.1 | 12.4 | 13.9 | 14.9 | 15.5 |
| 32.5° | 433.5 | 365.5 | 272.2 | 42.8 | 11.9 | 13.9 | 14.9 | 16.0 |
| 35° | 379.4 | 321.2 | 227.8 | 18.6 | 11.3 | 13.9 | 15.5 | 16.0 |
| 37.5° | 340.2 | 276.8 | 176.3 | 9.3 | 11.3 | 13.9 | 15.5 | 16.5 |
| 40° | 296.9 | 222.7 | 81.4 | 8.2 | 11.3 | 13.9 | 15.5 | 16.5 |
| 42.5° | 226.3 | 103.1 | 9.8 | 8.2 | 10.8 | 13.9 | 16.0 | 16.5 |
| 45° | 82.5 | 10.8 | 5.2 | 7.7 | 10.8 | 13.9 | 16.0 | 17.0 |
| 47.5° | 6.2 | 4.1 | 4.6 | 7.7 | 10.8 | 13.9 | 16.0 | 17.0 |
| 50° | 4.1 | 4.1 | 4.6 | 7.7 | 10.8 | 13.9 | 16.0 | 17.0 |
| 52.5° | 4.1 | 4.6 | 4.6 | 7.2 | 10.3 | 13.9 | 16.0 | 17.0 |
| 55° | 4.1 | 4.6 | 4.6 | 7.2 | 10.3 | 13.4 | 16.0 | 17.0 |
| 57.5° | 4.1 | 4.1 | 4.6 | 6.7 | 9.8 | 12.9 | 16.0 | 16.5 |
| 60° | 4.1 | 4.1 | 4.6 | 6.2 | 9.3 | 12.4 | 14.9 | 16.0 |
| 62.5° | 4.1 | 4.1 | 4.1 | 5.7 | 8.8 | 11.9 | 14.4 | 15.5 |
| 65° | 3.6 | 3.6 | 4.1 | 5.2 | 7.7 | 10.8 | 13.4 | 14.4 |
| 67.5° | 3.1 | 3.6 | 3.6 | 4.6 | 7.2 | 9.8 | 12.4 | 13.4 |
| 70° | 3.1 | 3.1 | 3.1 | 4.1 | 6.2 | 8.8 | 11.3 | 11.9 |
| 72.5° | 2.6 | 2.6 | 3.1 | 3.6 | 5.7 | 7.7 | 10.3 | 10.8 |
| 75° | 2.1 | 2.6 | 2.6 | 3.1 | 4.6 | 6.7 | 8.8 | 9.3 |
| 77.5° | 2.1 | 2.1 | 2.1 | 2.6 | 4.1 | 5.7 | 7.2 | 7.7 |
| 80° | 1.5 | 1.5 | 1.5 | 2.1 | 3.1 | 4.6 | 5.7 | 6.2 |
| 82.5° | 1.0 | 1.5 | 1.5 | 1.5 | 2.6 | 3.1 | 4.1 | 4.6 |
| 85° | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 | 2.1 | 2.6 | 3.1 |
| 87.5° | 0.5 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)