

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: P1313398

Luminaire Tested: LDSQA3D05R509727DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313398
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: LDSQA3D05R509727DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

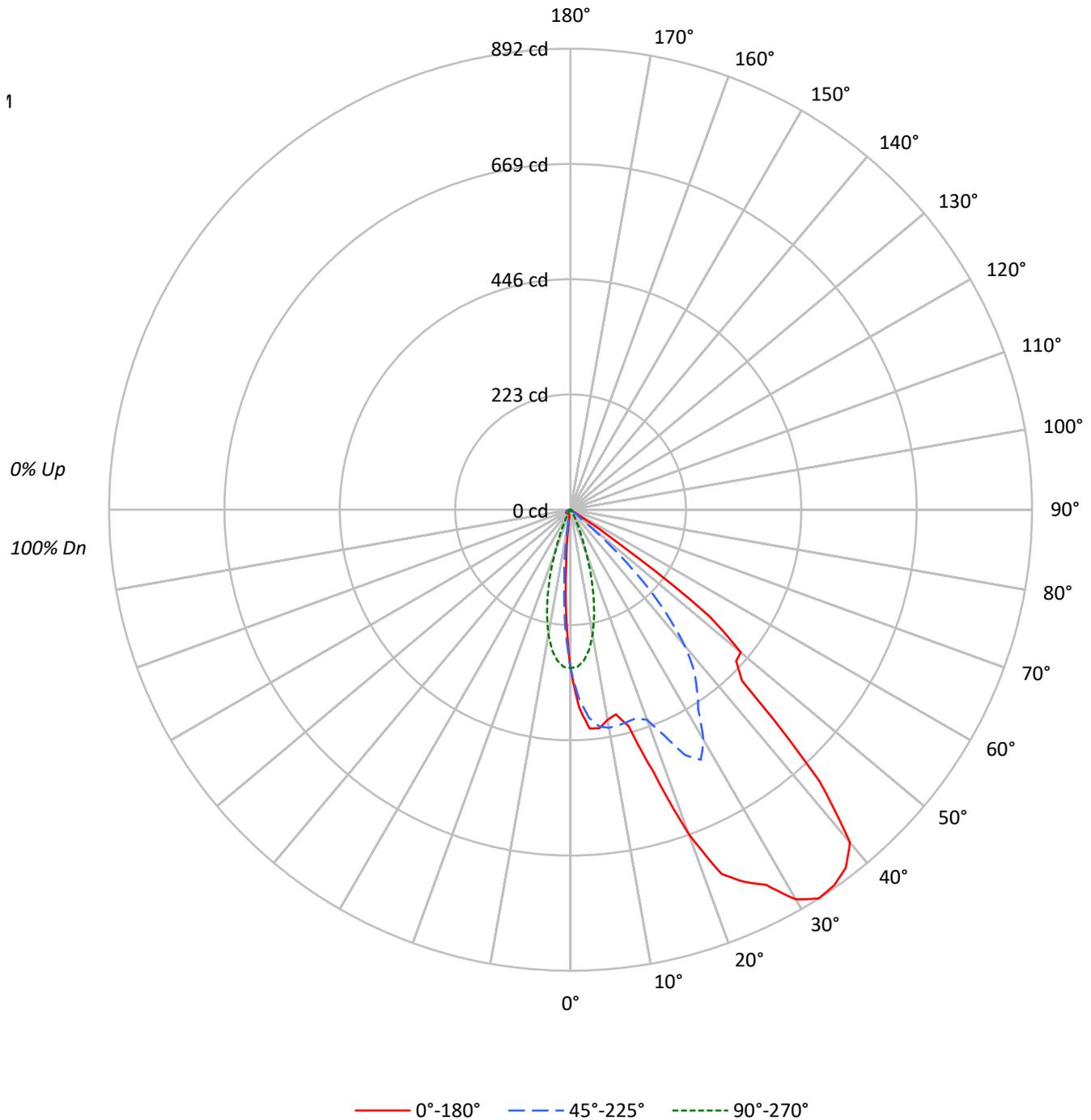
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 476.0 lumens
Efficiency: N/A
Efficacy: 66.1 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: P1313398
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Luminous Intensity Polar Plot





TEST NUMBER: P1313398

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 52700 | 52700 | 52700 | 52700 | 52700 |
| 5° | 73492 | 69723 | 50654 | 24359 | 15801 |
| 10° | 72138 | 74918 | 42810 | 5124 | 2203 |
| 15° | 77364 | 75723 | 30275 | 1801 | 1712 |
| 20° | 122171 | 79285 | 15982 | 1540 | 1613 |
| 25° | 150957 | 99574 | 6366 | 1425 | 1596 |
| 30° | 173073 | 102117 | 2585 | 1412 | 1670 |
| 35° | 186592 | 89627 | 1135 | 1493 | 1850 |
| 40° | 188872 | 77181 | 854 | 1686 | 2068 |
| 45° | 114156 | 50027 | 828 | 1827 | 2338 |
| 50° | 115023 | 8654 | 911 | 2143 | 2706 |
| 55° | 33990 | 510 | 1021 | 2402 | 3033 |
| 60° | 586 | 586 | 999 | 2583 | 3307 |
| 65° | 530 | 530 | 1019 | 2730 | 3586 |
| 70° | 655 | 655 | 1057 | 2971 | 4028 |
| 75° | 532 | 532 | 1131 | 3061 | 4192 |
| 80° | 397 | 793 | 1289 | 2876 | 4562 |
| 85° | 790 | 1581 | 1581 | 3359 | 4150 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 130377 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 24.8 | 5.2 |
| 10°-20° | 61.4 | 12.9 |
| 20°-30° | 115.1 | 24.2 |
| 30°-40° | 137.6 | 28.9 |
| 40°-50° | 98.6 | 20.7 |
| 50°-60° | 30.4 | 6.4 |
| 60°-70° | 4.0 | 0.8 |
| 70°-80° | 2.9 | 0.6 |
| 80°-90° | 1.2 | 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° | 201.3 | 42.3 |
| 0°-40° | 338.9 | 71.2 |
| 0°-60° | 468.0 | 98.3 |
| 0°-90° | 476.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 476.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 306 | 306 | 306 | 306 | 306 | |
| 5° | 425 | 403 | 293 | 141 | 91 | 39 |
| 15° | 434 | 425 | 170 | 10 | 10 | 139 |
| 25° | 794 | 524 | 34 | 8 | 8 | 366 |
| 35° | 888 | 426 | 5 | 7 | 9 | 551 |
| 45° | 469 | 205 | 3 | 8 | 10 | 430 |
| 55° | 113 | 2 | 3 | 8 | 10 | 146 |
| 65° | 1 | 1 | 2 | 7 | 9 | 1 |
| 75° | 1 | 1 | 2 | 5 | 6 | 1 |
| 85° | 0 | 1 | 1 | 2 | 2 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1313398

CATALOG NUMBER: LDSQA3D05R509727DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 306.0 | 306.0 | 306.0 | 306.0 | 306.0 | 306.0 | 306.0 | 306.0 | 306.0 | 306.0 | 306.0 |
| 2.5° | 382.7 | 383.6 | 384.8 | 381.5 | 379.4 | 377.7 | 374.8 | 373.9 | 366.8 | 363.9 | 360.9 |
| 5° | 425.1 | 424.2 | 425.1 | 423.8 | 423.0 | 420.5 | 418.0 | 413.8 | 409.2 | 403.3 | 396.6 |
| 7.5° | 426.3 | 425.5 | 427.2 | 427.2 | 428.9 | 428.9 | 428.9 | 429.3 | 426.8 | 422.6 | 416.7 |
| 10° | 412.5 | 412.5 | 414.2 | 413.3 | 416.3 | 417.5 | 420.5 | 425.5 | 428.0 | 428.4 | 426.8 |
| 12.5° | 405.4 | 405.4 | 405.8 | 404.1 | 405.0 | 406.2 | 409.6 | 415.4 | 421.3 | 427.2 | 430.5 |
| 15° | 433.9 | 434.7 | 428.9 | 420.5 | 414.2 | 407.5 | 405.4 | 409.2 | 415.4 | 424.7 | 432.2 |
| 17.5° | 530.7 | 532.0 | 525.7 | 505.6 | 486.3 | 458.6 | 433.9 | 421.7 | 415.0 | 422.6 | 432.6 |
| 20° | 666.6 | 661.9 | 651.0 | 629.7 | 601.6 | 558.8 | 520.2 | 481.3 | 443.9 | 432.6 | 436.0 |
| 22.5° | 762.6 | 760.9 | 752.1 | 728.2 | 703.9 | 664.0 | 615.0 | 560.5 | 506.4 | 472.0 | 454.0 |
| 25° | 794.4 | 793.2 | 785.2 | 770.9 | 757.5 | 727.3 | 683.3 | 628.4 | 571.8 | 524.0 | 478.7 |
| 27.5° | 818.3 | 816.6 | 804.1 | 788.1 | 774.3 | 743.7 | 703.4 | 661.9 | 610.0 | 545.4 | 475.8 |
| 30° | 870.3 | 865.7 | 848.1 | 819.6 | 793.2 | 750.8 | 706.4 | 654.8 | 584.4 | 513.5 | 445.6 |
| 32.5° | 892.1 | 889.6 | 874.5 | 851.4 | 822.5 | 767.2 | 699.7 | 613.3 | 520.7 | 459.5 | 410.0 |
| 35° | 887.5 | 883.7 | 868.2 | 841.8 | 806.6 | 753.3 | 663.2 | 544.6 | 469.1 | 426.3 | 370.6 |
| 37.5° | 873.6 | 868.2 | 849.8 | 818.7 | 776.0 | 706.4 | 588.6 | 488.8 | 440.2 | 392.0 | 316.9 |
| 40° | 840.1 | 831.3 | 809.9 | 777.6 | 734.9 | 643.5 | 520.7 | 455.3 | 410.0 | 343.3 | 257.0 |
| 42.5° | 711.8 | 707.2 | 717.7 | 712.2 | 674.5 | 566.8 | 472.5 | 424.7 | 362.2 | 277.5 | 186.1 |
| 45° | 468.7 | 476.6 | 495.5 | 527.8 | 535.3 | 487.5 | 433.0 | 374.4 | 298.1 | 205.4 | 107.3 |
| 47.5° | 433.9 | 432.2 | 436.8 | 443.1 | 444.4 | 424.2 | 374.8 | 309.4 | 221.3 | 117.4 | 29.8 |
| 50° | 429.3 | 426.8 | 423.0 | 415.4 | 399.5 | 360.5 | 304.4 | 225.5 | 127.9 | 32.3 | 2.1 |
| 52.5° | 339.1 | 336.6 | 336.6 | 325.7 | 305.2 | 267.5 | 210.0 | 124.1 | 35.6 | 2.1 | 1.7 |
| 55° | 113.2 | 120.7 | 119.5 | 119.1 | 128.3 | 118.2 | 90.6 | 31.9 | 2.9 | 1.7 | 1.7 |
| 57.5° | 2.1 | 2.1 | 2.1 | 3.8 | 5.9 | 8.4 | 5.0 | 2.5 | 1.7 | 1.7 | 1.7 |
| 60° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 62.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 65° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.7 |
| 67.5° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 70° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 72.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.3 | 1.3 | 1.3 |
| 75° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.3 |
| 77.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 80° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.8 | 0.8 | 0.8 | 0.8 |
| 82.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.8 | 0.8 | 0.8 |
| 85° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.8 | 0.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 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° | 306.0 | 306.0 | 306.0 | 306.0 | 306.0 | 306.0 | 306.0 | 306.0 |
| 2.5° | 354.2 | 348.4 | 337.0 | 304.8 | 269.1 | 228.5 | 200.8 | 197.5 |
| 5° | 386.1 | 377.3 | 358.8 | 293.0 | 211.7 | 140.9 | 104.8 | 91.4 |
| 7.5° | 407.1 | 395.3 | 372.7 | 273.7 | 154.3 | 74.2 | 39.8 | 31.9 |
| 10° | 419.6 | 408.7 | 379.8 | 244.8 | 98.1 | 29.3 | 13.4 | 12.6 |
| 12.5° | 426.3 | 415.9 | 382.3 | 210.0 | 55.3 | 13.4 | 10.5 | 10.5 |
| 15° | 431.0 | 419.6 | 378.6 | 169.8 | 27.7 | 10.1 | 9.6 | 9.6 |
| 17.5° | 433.0 | 419.2 | 367.7 | 127.9 | 14.7 | 9.2 | 9.2 | 9.2 |
| 20° | 434.3 | 414.6 | 347.5 | 87.2 | 10.1 | 8.4 | 8.8 | 8.8 |
| 22.5° | 435.6 | 403.3 | 321.1 | 55.3 | 8.0 | 8.0 | 8.4 | 8.4 |
| 25° | 433.0 | 383.6 | 283.8 | 33.5 | 7.1 | 7.5 | 8.0 | 8.4 |
| 27.5° | 415.0 | 353.8 | 238.5 | 20.5 | 6.3 | 7.1 | 8.0 | 8.4 |
| 30° | 384.0 | 310.2 | 186.1 | 13.0 | 5.9 | 7.1 | 8.0 | 8.4 |
| 32.5° | 343.8 | 260.3 | 132.9 | 8.0 | 5.9 | 7.1 | 8.0 | 8.4 |
| 35° | 289.7 | 199.1 | 86.4 | 5.4 | 5.9 | 7.1 | 8.4 | 8.8 |
| 37.5° | 228.9 | 139.2 | 46.5 | 4.2 | 5.9 | 7.1 | 8.4 | 8.8 |
| 40° | 164.8 | 83.4 | 16.8 | 3.8 | 5.4 | 7.5 | 8.8 | 9.2 |
| 42.5° | 96.4 | 31.0 | 2.9 | 3.4 | 5.4 | 7.5 | 8.8 | 9.2 |
| 45° | 27.7 | 3.4 | 1.7 | 3.4 | 5.4 | 7.5 | 9.2 | 9.6 |
| 47.5° | 2.1 | 1.3 | 1.7 | 3.4 | 5.4 | 7.5 | 9.2 | 10.1 |
| 50° | 1.3 | 1.3 | 1.3 | 3.4 | 5.4 | 8.0 | 9.6 | 10.1 |
| 52.5° | 1.7 | 1.7 | 1.7 | 3.4 | 5.4 | 8.0 | 9.6 | 10.1 |
| 55° | 1.7 | 1.7 | 1.7 | 3.4 | 5.4 | 8.0 | 9.6 | 10.1 |
| 57.5° | 1.7 | 1.7 | 1.7 | 3.4 | 5.4 | 7.5 | 9.6 | 10.1 |
| 60° | 1.7 | 1.7 | 1.7 | 2.9 | 5.0 | 7.5 | 9.2 | 9.6 |
| 62.5° | 1.7 | 1.7 | 1.7 | 2.9 | 5.0 | 7.1 | 9.2 | 9.2 |
| 65° | 1.7 | 1.7 | 1.7 | 2.5 | 4.6 | 6.7 | 8.4 | 8.8 |
| 67.5° | 1.7 | 1.7 | 1.7 | 2.5 | 4.2 | 6.3 | 8.0 | 8.4 |
| 70° | 1.3 | 1.7 | 1.7 | 2.1 | 3.8 | 5.9 | 7.5 | 8.0 |
| 72.5° | 1.3 | 1.3 | 1.7 | 2.1 | 3.4 | 5.0 | 6.7 | 7.1 |
| 75° | 1.3 | 1.3 | 1.3 | 1.7 | 2.9 | 4.6 | 5.9 | 6.3 |
| 77.5° | 1.3 | 1.3 | 1.3 | 1.7 | 2.5 | 3.8 | 5.4 | 5.4 |
| 80° | 0.8 | 1.3 | 1.3 | 1.3 | 2.1 | 2.9 | 4.2 | 4.6 |
| 82.5° | 0.8 | 0.8 | 0.8 | 1.3 | 1.7 | 2.5 | 3.4 | 3.4 |
| 85° | 0.8 | 0.8 | 0.8 | 0.8 | 1.3 | 1.7 | 2.1 | 2.1 |
| 87.5° | 0.4 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)