

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: P1313573

Luminaire Tested: LDSQA3D09R609727DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313573
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: LDSQA3D09R609727DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

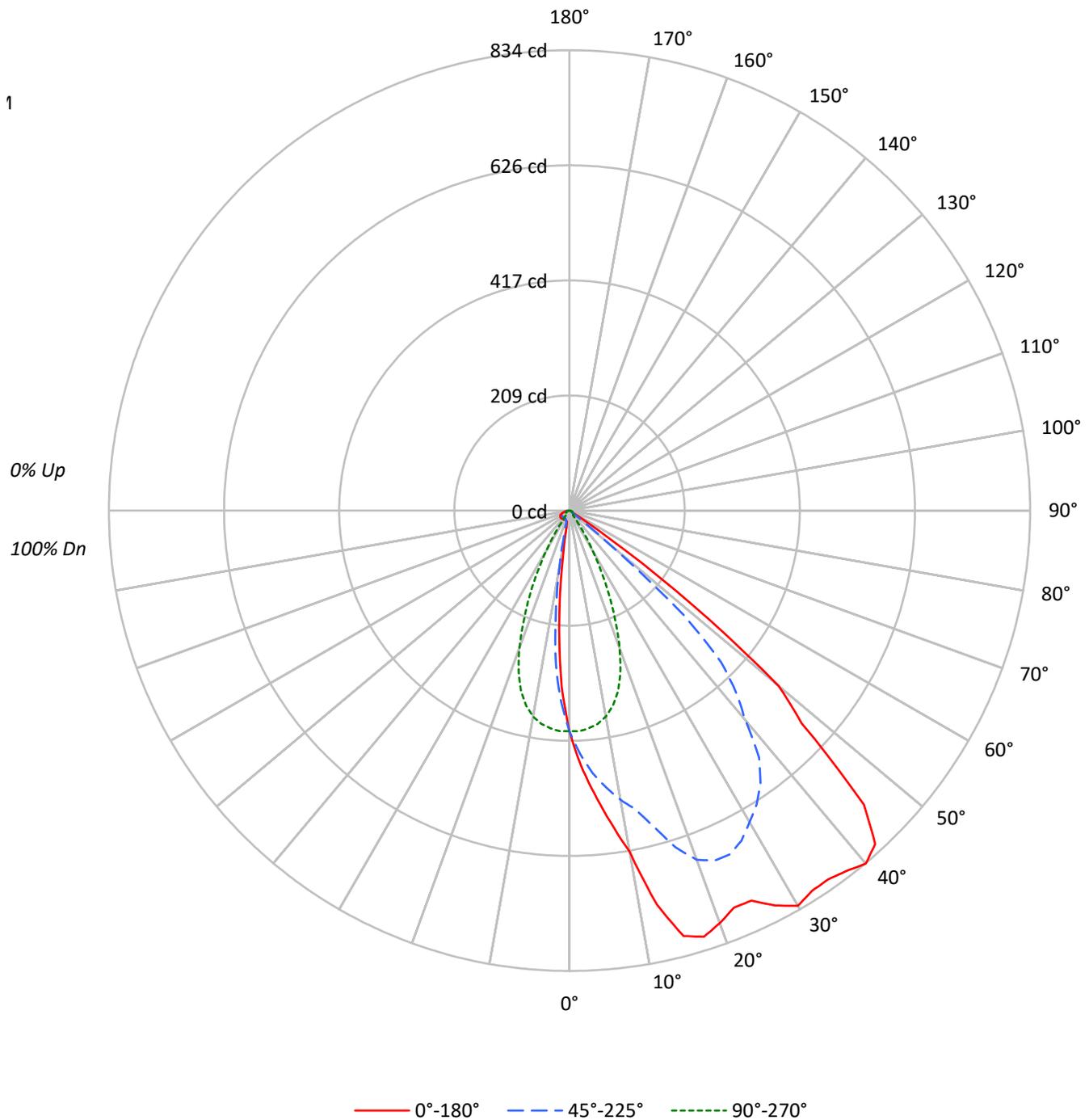
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 649.0 lumens
Efficiency: N/A
Efficacy: 58.5 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): 11.1
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: P1313573

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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 | 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 | 80 | 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° | 68803 | 68803 | 68803 | 68803 | 68803 |
| 5° | 88878 | 82516 | 68426 | 48735 | 37187 |
| 10° | 109842 | 93018 | 66227 | 18432 | 5456 |
| 15° | 142246 | 105856 | 60407 | 4047 | 3602 |
| 20° | 145759 | 123308 | 48623 | 3372 | 3482 |
| 25° | 148107 | 130529 | 32609 | 3268 | 3496 |
| 30° | 164382 | 129660 | 16824 | 3281 | 3659 |
| 35° | 171476 | 126757 | 4646 | 3469 | 3995 |
| 40° | 187613 | 111174 | 2203 | 3710 | 4406 |
| 45° | 183571 | 94477 | 2241 | 4019 | 4920 |
| 50° | 132331 | 23310 | 2465 | 4421 | 5412 |
| 55° | 25402 | 1471 | 2582 | 4774 | 6065 |
| 60° | 1274 | 1481 | 2549 | 5063 | 6544 |
| 65° | 1263 | 1508 | 2486 | 5257 | 7009 |
| 70° | 1259 | 1561 | 2467 | 5237 | 7100 |
| 75° | 1198 | 1664 | 2462 | 5323 | 7320 |
| 80° | 595 | 1785 | 2479 | 5455 | 7339 |
| 85° | 1186 | 1186 | 2371 | 4940 | 7311 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 183571 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 34.7 | 5.4 |
| 10°-20° | 95.9 | 14.8 |
| 20°-30° | 147.6 | 22.7 |
| 30°-40° | 173.2 | 26.7 |
| 40°-50° | 138.9 | 21.4 |
| 50°-60° | 43.1 | 6.6 |
| 60°-70° | 8.2 | 1.3 |
| 70°-80° | 5.4 | 0.8 |
| 80°-90° | 1.9 | 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° | 278.3 | 42.9 |
| 0°-40° | 451.5 | 69.6 |
| 0°-60° | 633.5 | 97.6 |
| 0°-90° | 649.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 649.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 400 | 400 | 400 | 400 | 400 | |
| 5° | 514 | 477 | 396 | 282 | 215 | 52 |
| 15° | 798 | 594 | 339 | 23 | 20 | 218 |
| 25° | 779 | 687 | 172 | 17 | 18 | 368 |
| 35° | 816 | 603 | 22 | 16 | 19 | 516 |
| 45° | 754 | 388 | 9 | 16 | 20 | 539 |
| 55° | 85 | 5 | 9 | 16 | 20 | 134 |
| 65° | 3 | 4 | 6 | 13 | 17 | 3 |
| 75° | 2 | 2 | 4 | 8 | 11 | 2 |
| 85° | 1 | 1 | 1 | 2 | 4 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1313573

CATALOG NUMBER: LDSQA3D09R609727DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 399.5 | 399.5 | 399.5 | 399.5 | 399.5 | 399.5 | 399.5 | 399.5 | 399.5 | 399.5 | 399.5 |
| 2.5° | 460.8 | 455.9 | 455.9 | 454.0 | 452.2 | 452.8 | 447.9 | 449.7 | 444.8 | 441.2 | 438.1 |
| 5° | 514.1 | 508.0 | 507.3 | 504.3 | 501.2 | 498.8 | 492.6 | 489.0 | 481.6 | 477.3 | 468.1 |
| 7.5° | 569.2 | 564.3 | 561.3 | 557.6 | 552.1 | 545.9 | 535.5 | 528.8 | 517.1 | 505.5 | 493.9 |
| 10° | 628.1 | 623.8 | 617.0 | 612.7 | 597.4 | 587.6 | 573.5 | 564.3 | 547.2 | 531.9 | 514.1 |
| 12.5° | 731.0 | 728.5 | 715.7 | 707.1 | 685.0 | 665.4 | 634.8 | 610.3 | 579.6 | 554.5 | 530.6 |
| 15° | 797.8 | 794.7 | 788.0 | 780.0 | 765.9 | 743.9 | 716.3 | 682.0 | 639.1 | 593.7 | 553.3 |
| 17.5° | 809.4 | 810.0 | 805.7 | 803.9 | 794.7 | 780.6 | 758.6 | 732.8 | 689.9 | 639.7 | 584.6 |
| 20° | 795.3 | 800.2 | 799.0 | 802.7 | 804.5 | 799.0 | 784.3 | 759.2 | 721.8 | 672.8 | 610.9 |
| 22.5° | 778.2 | 782.5 | 781.2 | 788.0 | 798.4 | 803.9 | 799.0 | 778.8 | 740.8 | 686.3 | 625.6 |
| 25° | 779.4 | 782.5 | 773.3 | 777.6 | 791.0 | 804.5 | 805.1 | 787.4 | 746.3 | 686.9 | 624.4 |
| 27.5° | 806.4 | 797.2 | 776.3 | 774.5 | 791.0 | 808.2 | 809.4 | 787.4 | 738.3 | 674.0 | 612.1 |
| 30° | 826.6 | 819.8 | 796.6 | 793.5 | 809.4 | 821.1 | 814.9 | 780.6 | 719.4 | 652.0 | 594.4 |
| 32.5° | 816.8 | 818.0 | 808.2 | 818.0 | 838.8 | 843.7 | 818.0 | 764.7 | 693.0 | 630.5 | 573.5 |
| 35° | 815.6 | 820.5 | 826.0 | 841.3 | 855.4 | 843.7 | 802.7 | 734.7 | 664.8 | 602.9 | 541.0 |
| 37.5° | 822.9 | 830.9 | 838.8 | 852.3 | 852.3 | 822.3 | 762.2 | 696.7 | 631.1 | 563.7 | 473.6 |
| 40° | 834.5 | 839.4 | 841.9 | 840.7 | 824.1 | 780.0 | 716.3 | 650.7 | 588.2 | 494.5 | 428.9 |
| 42.5° | 819.2 | 818.6 | 816.2 | 805.7 | 775.1 | 717.5 | 658.1 | 604.8 | 506.1 | 446.1 | 371.3 |
| 45° | 753.7 | 753.7 | 746.9 | 730.4 | 702.2 | 654.4 | 601.7 | 523.9 | 461.4 | 387.9 | 275.7 |
| 47.5° | 570.5 | 566.2 | 573.5 | 583.3 | 583.3 | 579.0 | 531.2 | 463.8 | 400.1 | 280.0 | 88.2 |
| 50° | 493.9 | 487.1 | 477.9 | 479.8 | 478.5 | 483.4 | 452.8 | 402.0 | 296.0 | 87.0 | 6.1 |
| 52.5° | 279.4 | 291.7 | 321.7 | 364.0 | 383.0 | 389.7 | 370.7 | 305.8 | 99.9 | 5.5 | 4.9 |
| 55° | 84.6 | 87.0 | 98.7 | 121.3 | 164.8 | 210.8 | 213.8 | 99.3 | 6.7 | 4.9 | 4.9 |
| 57.5° | 3.7 | 3.7 | 4.9 | 7.4 | 17.2 | 25.7 | 27.6 | 6.1 | 4.3 | 4.9 | 4.9 |
| 60° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 4.3 | 4.3 | 4.3 | 4.3 | 4.9 |
| 62.5° | 3.1 | 3.1 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 4.3 | 4.3 | 4.3 |
| 65° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.7 | 3.7 | 3.7 | 3.7 | 4.3 |
| 67.5° | 2.5 | 2.5 | 2.5 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.7 | 3.7 | 3.7 |
| 70° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 3.1 | 3.1 | 3.1 | 3.1 |
| 72.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 3.1 |
| 75° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 2.5 | 2.5 | 2.5 | 2.5 |
| 77.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 80° | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.8 | 1.8 |
| 82.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 85° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 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° | 399.5 | 399.5 | 399.5 | 399.5 | 399.5 | 399.5 | 399.5 | 399.5 |
| 2.5° | 433.8 | 428.9 | 423.4 | 400.1 | 377.4 | 346.8 | 326.0 | 319.8 |
| 5° | 460.2 | 452.2 | 439.9 | 395.8 | 342.5 | 281.9 | 232.8 | 215.1 |
| 7.5° | 482.2 | 470.0 | 452.8 | 389.7 | 300.9 | 191.2 | 123.2 | 104.2 |
| 10° | 498.2 | 482.8 | 460.8 | 378.7 | 245.7 | 105.4 | 41.7 | 31.2 |
| 12.5° | 511.6 | 491.4 | 465.1 | 362.1 | 178.9 | 42.9 | 21.4 | 21.4 |
| 15° | 520.8 | 496.3 | 466.9 | 338.8 | 115.8 | 22.7 | 20.2 | 20.2 |
| 17.5° | 533.7 | 501.8 | 466.9 | 306.4 | 63.1 | 19.6 | 19.6 | 19.6 |
| 20° | 554.5 | 507.3 | 460.2 | 265.3 | 34.9 | 18.4 | 19.0 | 19.0 |
| 22.5° | 565.6 | 515.3 | 451.6 | 217.5 | 22.1 | 17.8 | 18.4 | 18.4 |
| 25° | 568.0 | 514.1 | 433.2 | 171.6 | 17.8 | 17.2 | 17.8 | 18.4 |
| 27.5° | 559.4 | 505.5 | 408.7 | 125.0 | 15.9 | 16.5 | 17.8 | 18.4 |
| 30° | 544.1 | 484.7 | 369.5 | 84.6 | 14.7 | 16.5 | 17.8 | 18.4 |
| 32.5° | 515.3 | 434.4 | 323.5 | 50.9 | 14.1 | 16.5 | 17.8 | 19.0 |
| 35° | 451.0 | 381.7 | 270.8 | 22.1 | 13.5 | 16.5 | 18.4 | 19.0 |
| 37.5° | 404.4 | 329.0 | 209.6 | 11.0 | 13.5 | 16.5 | 18.4 | 19.6 |
| 40° | 352.9 | 264.7 | 96.8 | 9.8 | 13.5 | 16.5 | 18.4 | 19.6 |
| 42.5° | 269.0 | 122.5 | 11.6 | 9.8 | 12.9 | 16.5 | 19.0 | 19.6 |
| 45° | 98.0 | 12.9 | 6.1 | 9.2 | 12.9 | 16.5 | 19.0 | 20.2 |
| 47.5° | 7.4 | 4.9 | 5.5 | 9.2 | 12.9 | 16.5 | 19.0 | 20.2 |
| 50° | 4.9 | 4.9 | 5.5 | 9.2 | 12.9 | 16.5 | 19.0 | 20.2 |
| 52.5° | 4.9 | 5.5 | 5.5 | 8.6 | 12.3 | 16.5 | 19.0 | 20.2 |
| 55° | 4.9 | 5.5 | 5.5 | 8.6 | 12.3 | 15.9 | 19.0 | 20.2 |
| 57.5° | 4.9 | 4.9 | 5.5 | 8.0 | 11.6 | 15.3 | 19.0 | 19.6 |
| 60° | 4.9 | 4.9 | 5.5 | 7.4 | 11.0 | 14.7 | 17.8 | 19.0 |
| 62.5° | 4.9 | 4.9 | 4.9 | 6.7 | 10.4 | 14.1 | 17.2 | 18.4 |
| 65° | 4.3 | 4.3 | 4.9 | 6.1 | 9.2 | 12.9 | 15.9 | 17.2 |
| 67.5° | 3.7 | 4.3 | 4.3 | 5.5 | 8.6 | 11.6 | 14.7 | 15.9 |
| 70° | 3.7 | 3.7 | 3.7 | 4.9 | 7.4 | 10.4 | 13.5 | 14.1 |
| 72.5° | 3.1 | 3.1 | 3.7 | 4.3 | 6.7 | 9.2 | 12.3 | 12.9 |
| 75° | 2.5 | 3.1 | 3.1 | 3.7 | 5.5 | 8.0 | 10.4 | 11.0 |
| 77.5° | 2.5 | 2.5 | 2.5 | 3.1 | 4.9 | 6.7 | 8.6 | 9.2 |
| 80° | 1.8 | 1.8 | 1.8 | 2.5 | 3.7 | 5.5 | 6.7 | 7.4 |
| 82.5° | 1.2 | 1.8 | 1.8 | 1.8 | 3.1 | 3.7 | 4.9 | 5.5 |
| 85° | 1.2 | 1.2 | 1.2 | 1.2 | 1.8 | 2.5 | 3.1 | 3.7 |
| 87.5° | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)