

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: P1308967

Luminaire Tested: LDSQA3D05R509030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308967
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: LDSQA3D05R509030DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

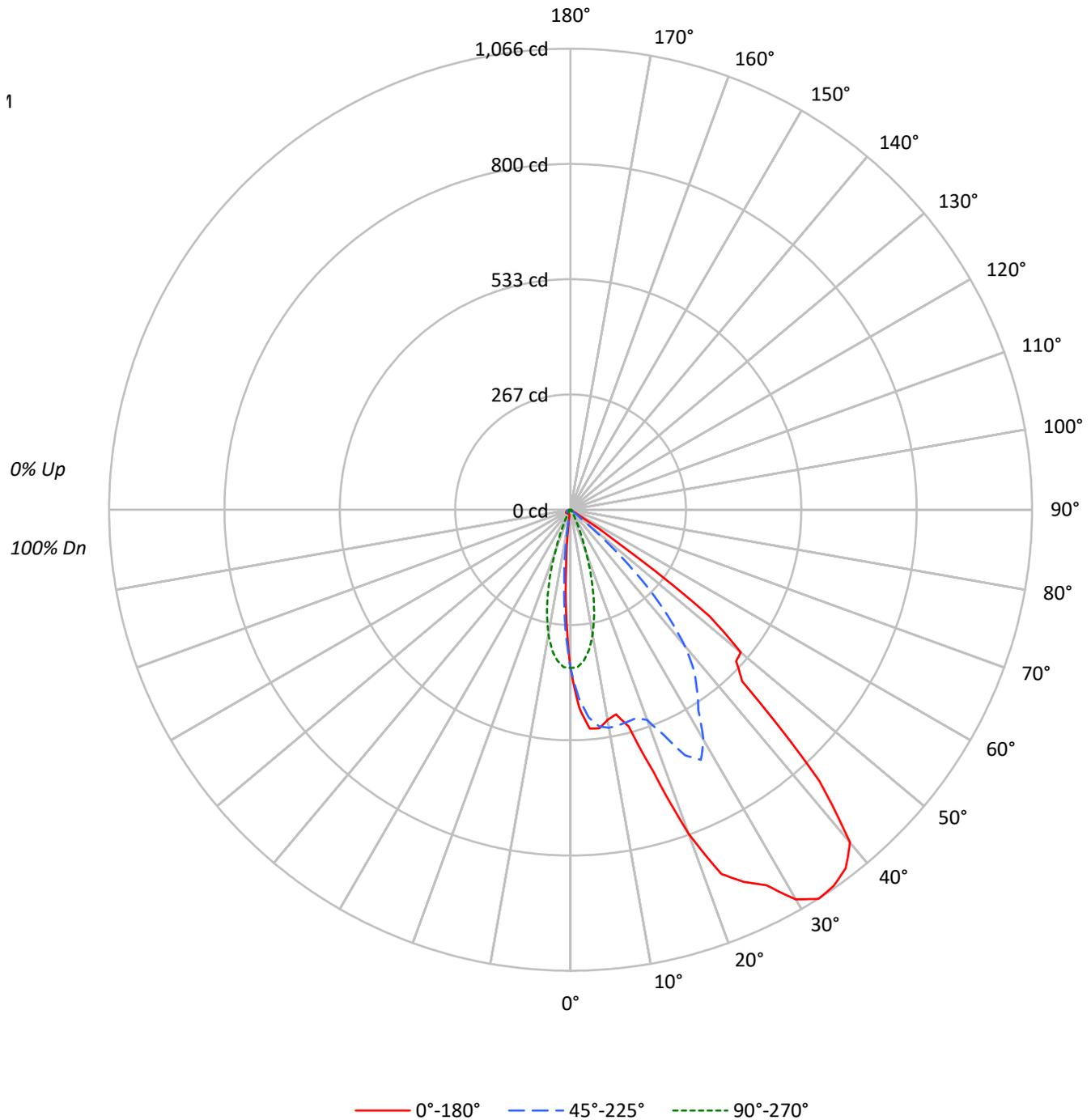
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 568.9 lumens
Efficiency: N/A
Efficacy: 79.0 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

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Luminous Intensity Polar Plot





TEST NUMBER: P1308967

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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 | 110 | 107 | 104 | 101 | 102 | 100 | 98 | 99 | 97 | 95 | 95 | 94 | 93 | 95 | 94 | 93 | 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 | 53 | |
| 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 | 51 | 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 | 43 | 38 | 60 | 49 | 42 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 46 | 41 | 37 | 46 | 41 | 37 | 36 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 62999 | 62999 | 62999 | 62999 | 62999 |
| 5° | 87841 | 83346 | 60560 | 29113 | 18879 |
| 10° | 86233 | 89556 | 51187 | 6138 | 2623 |
| 15° | 92483 | 90504 | 36194 | 2140 | 2050 |
| 20° | 146034 | 94790 | 19097 | 1833 | 1924 |
| 25° | 180449 | 119033 | 7620 | 1710 | 1900 |
| 30° | 206880 | 122084 | 3082 | 1690 | 1989 |
| 35° | 223049 | 107141 | 1367 | 1787 | 2208 |
| 40° | 225765 | 92266 | 1012 | 2023 | 2473 |
| 45° | 136466 | 59794 | 974 | 2192 | 2801 |
| 50° | 137475 | 10342 | 1072 | 2545 | 3215 |
| 55° | 40625 | 601 | 1201 | 2852 | 3603 |
| 60° | 689 | 689 | 1206 | 3100 | 3961 |
| 65° | 611 | 611 | 1223 | 3260 | 4279 |
| 70° | 755 | 755 | 1259 | 3525 | 4784 |
| 75° | 665 | 665 | 1331 | 3660 | 4991 |
| 80° | 496 | 992 | 1488 | 3471 | 5455 |
| 85° | 988 | 1976 | 1976 | 3952 | 4940 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 155854 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 29.6 | 5.2 |
| 10°-20° | 73.4 | 12.9 |
| 20°-30° | 137.6 | 24.2 |
| 30°-40° | 164.5 | 28.9 |
| 40°-50° | 117.9 | 20.7 |
| 50°-60° | 36.3 | 6.4 |
| 60°-70° | 4.7 | 0.8 |
| 70°-80° | 3.4 | 0.6 |
| 80°-90° | 1.4 | 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° | 240.6 | 42.3 |
| 0°-40° | 405.1 | 71.2 |
| 0°-60° | 559.4 | 98.3 |
| 0°-90° | 568.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 568.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 366 | 366 | 366 | 366 | 366 | |
| 5° | 508 | 482 | 350 | 168 | 109 | 47 |
| 15° | 519 | 508 | 203 | 12 | 12 | 166 |
| 25° | 950 | 626 | 40 | 9 | 10 | 438 |
| 35° | 1061 | 510 | 6 | 8 | 10 | 658 |
| 45° | 560 | 246 | 4 | 9 | 12 | 515 |
| 55° | 135 | 2 | 4 | 10 | 12 | 174 |
| 65° | 2 | 2 | 3 | 8 | 10 | 2 |
| 75° | 1 | 1 | 2 | 6 | 8 | 1 |
| 85° | 0 | 1 | 1 | 2 | 2 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1308967

CATALOG NUMBER: LDSQA3D05R509030DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 365.8 | 365.8 | 365.8 | 365.8 | 365.8 | 365.8 | 365.8 | 365.8 | 365.8 | 365.8 | 365.8 |
| 2.5° | 457.5 | 458.5 | 460.0 | 456.0 | 453.5 | 451.5 | 448.0 | 447.0 | 438.5 | 435.0 | 431.5 |
| 5° | 508.1 | 507.1 | 508.1 | 506.6 | 505.6 | 502.6 | 499.6 | 494.6 | 489.1 | 482.1 | 474.1 |
| 7.5° | 509.6 | 508.6 | 510.6 | 510.6 | 512.6 | 512.6 | 512.6 | 513.1 | 510.1 | 505.1 | 498.1 |
| 10° | 493.1 | 493.1 | 495.1 | 494.1 | 497.6 | 499.1 | 502.6 | 508.6 | 511.6 | 512.1 | 510.1 |
| 12.5° | 484.6 | 484.6 | 485.1 | 483.1 | 484.1 | 485.6 | 489.6 | 496.6 | 503.6 | 510.6 | 514.7 |
| 15° | 518.7 | 519.7 | 512.6 | 502.6 | 495.1 | 487.1 | 484.6 | 489.1 | 496.6 | 507.6 | 516.7 |
| 17.5° | 634.4 | 635.9 | 628.4 | 604.4 | 581.3 | 548.2 | 518.7 | 504.1 | 496.1 | 505.1 | 517.2 |
| 20° | 796.8 | 791.3 | 778.2 | 752.7 | 719.1 | 668.0 | 621.9 | 575.3 | 530.7 | 517.2 | 521.2 |
| 22.5° | 911.5 | 909.5 | 899.0 | 870.4 | 841.4 | 793.8 | 735.1 | 670.0 | 605.4 | 564.3 | 542.7 |
| 25° | 949.6 | 948.1 | 938.6 | 921.6 | 905.5 | 869.4 | 816.8 | 751.2 | 683.5 | 626.4 | 572.3 |
| 27.5° | 978.2 | 976.2 | 961.2 | 942.1 | 925.6 | 889.0 | 840.9 | 791.3 | 729.1 | 652.0 | 568.8 |
| 30° | 1040.3 | 1034.8 | 1013.8 | 979.7 | 948.1 | 897.5 | 844.4 | 782.8 | 698.6 | 613.9 | 532.7 |
| 32.5° | 1066.4 | 1063.4 | 1045.3 | 1017.8 | 983.2 | 917.1 | 836.4 | 733.1 | 622.4 | 549.2 | 490.1 |
| 35° | 1060.9 | 1056.4 | 1037.8 | 1006.3 | 964.2 | 900.5 | 792.8 | 651.0 | 560.8 | 509.6 | 443.0 |
| 37.5° | 1044.3 | 1037.8 | 1015.8 | 978.7 | 927.6 | 844.4 | 703.6 | 584.3 | 526.2 | 468.5 | 378.8 |
| 40° | 1004.2 | 993.7 | 968.2 | 929.6 | 878.5 | 769.2 | 622.4 | 544.2 | 490.1 | 410.4 | 307.2 |
| 42.5° | 850.9 | 845.4 | 857.9 | 851.4 | 806.3 | 677.5 | 564.8 | 507.6 | 433.0 | 331.7 | 222.5 |
| 45° | 560.3 | 569.8 | 592.3 | 630.9 | 639.9 | 582.8 | 517.7 | 447.5 | 356.3 | 245.5 | 128.3 |
| 47.5° | 518.7 | 516.7 | 522.2 | 529.7 | 531.2 | 507.1 | 448.0 | 369.8 | 264.6 | 140.3 | 35.6 |
| 50° | 513.1 | 510.1 | 505.6 | 496.6 | 477.6 | 431.0 | 363.8 | 269.6 | 152.8 | 38.6 | 2.5 |
| 52.5° | 405.4 | 402.4 | 402.4 | 389.4 | 364.8 | 319.7 | 251.1 | 148.3 | 42.6 | 2.5 | 2.0 |
| 55° | 135.3 | 144.3 | 142.8 | 142.3 | 153.3 | 141.3 | 108.2 | 38.1 | 3.5 | 2.0 | 2.0 |
| 57.5° | 2.5 | 2.5 | 2.5 | 4.5 | 7.0 | 10.0 | 6.0 | 3.0 | 2.0 | 2.0 | 2.0 |
| 60° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 62.5° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 65° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2.0 |
| 67.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 70° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 72.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 | 1.5 |
| 75° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 |
| 77.5° | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 80° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 |
| 82.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 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 | 1.0 | 1.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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° | 365.8 | 365.8 | 365.8 | 365.8 | 365.8 | 365.8 | 365.8 | 365.8 |
| 2.5° | 423.4 | 416.4 | 402.9 | 364.3 | 321.7 | 273.1 | 240.0 | 236.0 |
| 5° | 461.5 | 451.0 | 429.0 | 350.3 | 253.1 | 168.4 | 125.3 | 109.2 |
| 7.5° | 486.6 | 472.6 | 445.5 | 327.2 | 184.4 | 88.7 | 47.6 | 38.1 |
| 10° | 501.6 | 488.6 | 454.0 | 292.7 | 117.3 | 35.1 | 16.0 | 15.0 |
| 12.5° | 509.6 | 497.1 | 457.0 | 251.1 | 66.1 | 16.0 | 12.5 | 12.5 |
| 15° | 515.2 | 501.6 | 452.5 | 203.0 | 33.1 | 12.0 | 11.5 | 11.5 |
| 17.5° | 517.7 | 501.1 | 439.5 | 152.8 | 17.5 | 11.0 | 11.0 | 11.0 |
| 20° | 519.2 | 495.6 | 415.4 | 104.2 | 12.0 | 10.0 | 10.5 | 10.5 |
| 22.5° | 520.7 | 482.1 | 383.9 | 66.1 | 9.5 | 9.5 | 10.0 | 10.0 |
| 25° | 517.7 | 458.5 | 339.3 | 40.1 | 8.5 | 9.0 | 9.5 | 10.0 |
| 27.5° | 496.1 | 422.9 | 285.1 | 24.6 | 7.5 | 8.5 | 9.5 | 10.0 |
| 30° | 459.0 | 370.8 | 222.5 | 15.5 | 7.0 | 8.5 | 9.5 | 10.0 |
| 32.5° | 410.9 | 311.2 | 158.9 | 9.5 | 7.0 | 8.5 | 9.5 | 10.0 |
| 35° | 346.3 | 238.0 | 103.2 | 6.5 | 7.0 | 8.5 | 10.0 | 10.5 |
| 37.5° | 273.6 | 166.4 | 55.6 | 5.0 | 7.0 | 8.5 | 10.0 | 10.5 |
| 40° | 196.9 | 99.7 | 20.0 | 4.5 | 6.5 | 9.0 | 10.5 | 11.0 |
| 42.5° | 115.3 | 37.1 | 3.5 | 4.0 | 6.5 | 9.0 | 10.5 | 11.0 |
| 45° | 33.1 | 4.0 | 2.0 | 4.0 | 6.5 | 9.0 | 11.0 | 11.5 |
| 47.5° | 2.5 | 1.5 | 2.0 | 4.0 | 6.5 | 9.0 | 11.0 | 12.0 |
| 50° | 1.5 | 1.5 | 1.5 | 4.0 | 6.5 | 9.5 | 11.5 | 12.0 |
| 52.5° | 2.0 | 2.0 | 2.0 | 4.0 | 6.5 | 9.5 | 11.5 | 12.0 |
| 55° | 2.0 | 2.0 | 2.0 | 4.0 | 6.5 | 9.5 | 11.5 | 12.0 |
| 57.5° | 2.0 | 2.0 | 2.0 | 4.0 | 6.5 | 9.0 | 11.5 | 12.0 |
| 60° | 2.0 | 2.0 | 2.0 | 3.5 | 6.0 | 9.0 | 11.0 | 11.5 |
| 62.5° | 2.0 | 2.0 | 2.0 | 3.5 | 6.0 | 8.5 | 11.0 | 11.0 |
| 65° | 2.0 | 2.0 | 2.0 | 3.0 | 5.5 | 8.0 | 10.0 | 10.5 |
| 67.5° | 2.0 | 2.0 | 2.0 | 3.0 | 5.0 | 7.5 | 9.5 | 10.0 |
| 70° | 1.5 | 2.0 | 2.0 | 2.5 | 4.5 | 7.0 | 9.0 | 9.5 |
| 72.5° | 1.5 | 1.5 | 2.0 | 2.5 | 4.0 | 6.0 | 8.0 | 8.5 |
| 75° | 1.5 | 1.5 | 1.5 | 2.0 | 3.5 | 5.5 | 7.0 | 7.5 |
| 77.5° | 1.5 | 1.5 | 1.5 | 2.0 | 3.0 | 4.5 | 6.5 | 6.5 |
| 80° | 1.0 | 1.5 | 1.5 | 1.5 | 2.5 | 3.5 | 5.0 | 5.5 |
| 82.5° | 1.0 | 1.0 | 1.0 | 1.5 | 2.0 | 3.0 | 4.0 | 4.0 |
| 85° | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 | 2.0 | 2.5 | 2.5 |
| 87.5° | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)