

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: P1327003

Luminaire Tested: LDSQA3D09R55W2N902765DE010 3LSQCA30R 1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327003
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R55W2N902765DE010 3LSQCA30R 1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

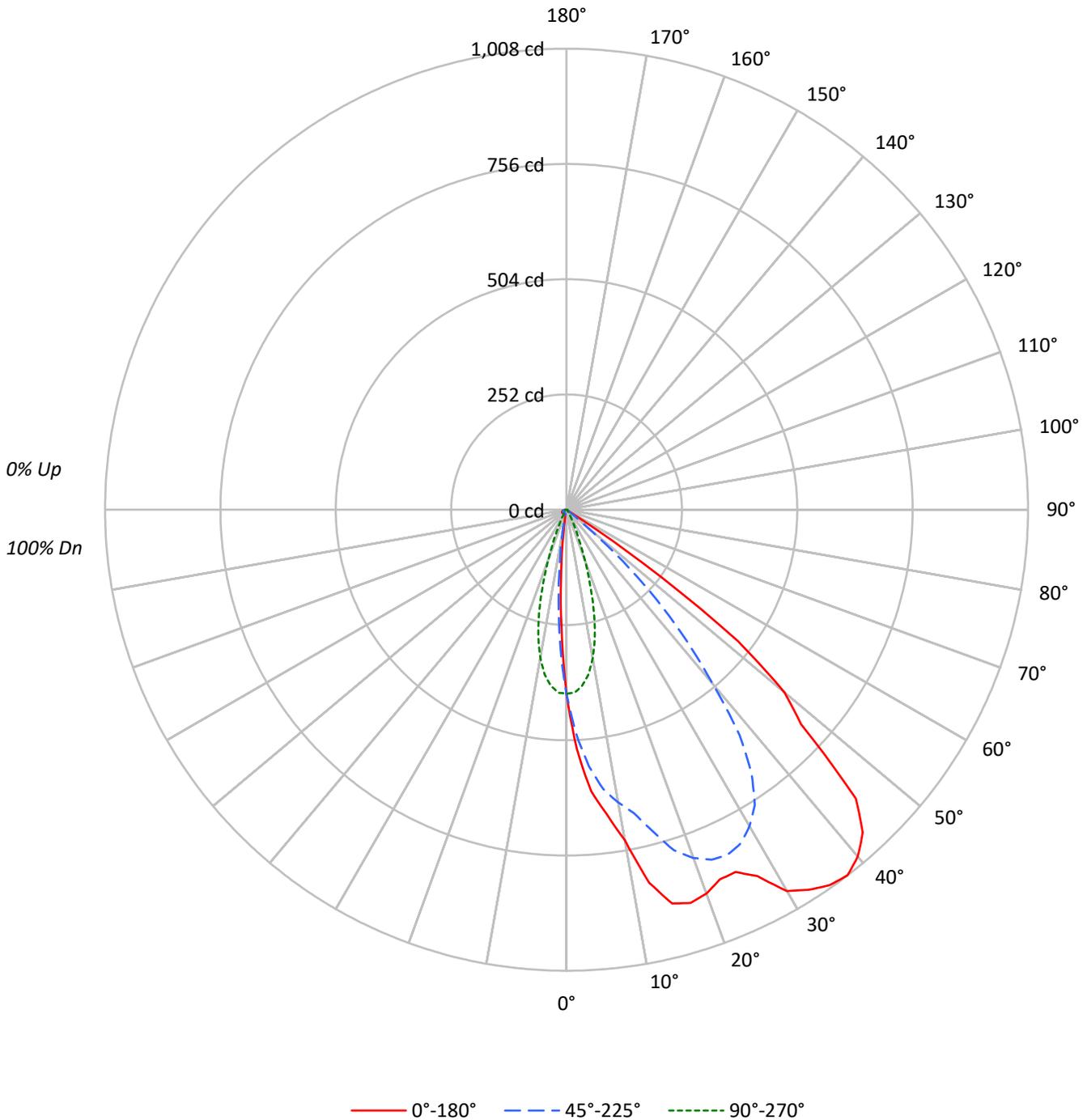
Lumens per Lamp: N/A
Luminaire Lumens: 671.0 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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: P1327003

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Luminous Intensity Polar Plot





TEST NUMBER: P1327003

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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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 |
| 1 | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 98 | 99 | 97 | 95 | 95 | 94 | 93 | 91 | 91 | 91 |
| 2 | 105 | 99 | 94 | 90 | 103 | 97 | 93 | 89 | 94 | 90 | 87 | 91 | 88 | 85 | 88 | 86 | 83 | 81 | 81 | 81 |
| 3 | 98 | 90 | 84 | 79 | 96 | 89 | 83 | 79 | 86 | 81 | 77 | 83 | 79 | 76 | 81 | 78 | 75 | 73 | 73 | 73 |
| 4 | 91 | 82 | 75 | 70 | 89 | 81 | 75 | 70 | 79 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 65 | 65 | 65 |
| 5 | 85 | 75 | 68 | 63 | 84 | 74 | 67 | 62 | 72 | 66 | 62 | 70 | 65 | 61 | 69 | 64 | 61 | 59 | 59 | 59 |
| 6 | 80 | 69 | 62 | 56 | 78 | 68 | 61 | 56 | 66 | 60 | 56 | 65 | 59 | 55 | 63 | 59 | 55 | 53 | 53 | 53 |
| 7 | 75 | 63 | 56 | 51 | 73 | 63 | 56 | 51 | 61 | 55 | 50 | 60 | 54 | 50 | 59 | 54 | 50 | 48 | 48 | 48 |
| 8 | 70 | 58 | 51 | 46 | 68 | 58 | 51 | 46 | 57 | 50 | 46 | 55 | 50 | 46 | 54 | 49 | 45 | 44 | 44 | 44 |
| 9 | 66 | 54 | 47 | 42 | 64 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 50 | 45 | 41 | 40 | 40 | 40 |
| 10 | 62 | 50 | 43 | 39 | 61 | 50 | 43 | 38 | 49 | 43 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 37 | 37 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 69268 | 69268 | 69268 | 69268 | 69268 |
| 5° | 106806 | 97245 | 66905 | 34369 | 22578 |
| 10° | 128327 | 113654 | 57588 | 8657 | 3463 |
| 15° | 158899 | 129801 | 41151 | 2389 | 1872 |
| 20° | 163647 | 148490 | 21260 | 1594 | 1594 |
| 25° | 166026 | 158159 | 8532 | 1444 | 1653 |
| 30° | 191368 | 158913 | 3719 | 1511 | 1730 |
| 35° | 210644 | 148160 | 1598 | 1598 | 1955 |
| 40° | 222505 | 111511 | 922 | 1844 | 2091 |
| 45° | 217620 | 68148 | 852 | 1997 | 2557 |
| 50° | 166465 | 14522 | 938 | 2331 | 2974 |
| 55° | 61073 | 510 | 1051 | 2612 | 3333 |
| 60° | 586 | 586 | 1206 | 2997 | 3823 |
| 65° | 693 | 693 | 1426 | 3097 | 4034 |
| 70° | 604 | 856 | 1460 | 3525 | 4683 |
| 75° | 399 | 799 | 1530 | 3859 | 5456 |
| 80° | 595 | 1190 | 1686 | 4066 | 5752 |
| 85° | 0 | 1186 | 2371 | 4545 | 5730 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 217620 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 35.4 | 5.3 |
| 10°-20° | 101.4 | 15.1 |
| 20°-30° | 155.5 | 23.2 |
| 30°-40° | 181.2 | 27.0 |
| 40°-50° | 144.8 | 21.6 |
| 50°-60° | 42.9 | 6.4 |
| 60°-70° | 4.6 | 0.7 |
| 70°-80° | 3.6 | 0.5 |
| 80°-90° | 1.5 | 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° | 292.3 | 43.6 |
| 0°-40° | 473.6 | 70.6 |
| 0°-60° | 661.3 | 98.6 |
| 0°-90° | 671.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 671.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 402 | 402 | 402 | 402 | 402 | |
| 5° | 618 | 562 | 387 | 199 | 131 | 62 |
| 15° | 891 | 728 | 231 | 13 | 10 | 246 |
| 25° | 874 | 832 | 45 | 8 | 9 | 415 |
| 35° | 1002 | 705 | 8 | 8 | 9 | 624 |
| 45° | 894 | 280 | 4 | 8 | 10 | 644 |
| 55° | 203 | 2 | 4 | 9 | 11 | 215 |
| 65° | 2 | 2 | 4 | 8 | 10 | 1 |
| 75° | 1 | 1 | 2 | 6 | 8 | 1 |
| 85° | 0 | 1 | 1 | 2 | 3 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1327003

CATALOG NUMBER: LDSQA3D09R55W2N902765DE010 3LSQCA30R 1MW_3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 402.2 | 402.2 | 402.2 | 402.2 | 402.2 | 402.2 | 402.2 | 402.2 | 402.2 | 402.2 | 402.2 |
| 2.5° | 524.6 | 524.6 | 522.8 | 523.4 | 522.2 | 515.8 | 514.7 | 506.5 | 499.5 | 491.9 | 485.5 |
| 5° | 617.8 | 619.0 | 617.3 | 613.8 | 609.1 | 604.4 | 594.5 | 586.9 | 577.0 | 562.5 | 549.1 |
| 7.5° | 670.9 | 669.7 | 666.8 | 665.6 | 662.7 | 657.5 | 650.5 | 642.3 | 630.7 | 616.1 | 600.3 |
| 10° | 733.8 | 723.9 | 721.0 | 716.3 | 707.0 | 696.5 | 684.3 | 673.2 | 663.3 | 649.9 | 633.0 |
| 12.5° | 835.2 | 833.5 | 821.8 | 813.1 | 800.3 | 777.0 | 756.0 | 731.5 | 702.3 | 679.0 | 656.9 |
| 15° | 891.2 | 892.4 | 887.1 | 880.1 | 872.0 | 852.7 | 831.7 | 803.2 | 768.8 | 728.0 | 691.9 |
| 17.5° | 901.1 | 902.9 | 899.9 | 897.0 | 894.7 | 883.6 | 870.8 | 850.4 | 818.9 | 781.0 | 727.4 |
| 20° | 892.9 | 896.4 | 897.0 | 900.5 | 905.2 | 900.5 | 890.0 | 876.0 | 849.8 | 810.2 | 758.9 |
| 22.5° | 874.9 | 881.3 | 885.9 | 898.2 | 910.4 | 910.4 | 904.0 | 892.9 | 867.3 | 828.2 | 775.8 |
| 25° | 873.7 | 874.9 | 876.6 | 896.4 | 915.7 | 919.8 | 913.9 | 902.3 | 874.3 | 832.3 | 775.2 |
| 27.5° | 902.9 | 895.3 | 883.6 | 903.4 | 926.2 | 929.7 | 921.5 | 905.8 | 872.5 | 823.0 | 755.4 |
| 30° | 962.3 | 945.4 | 920.9 | 935.5 | 951.2 | 947.1 | 930.8 | 905.8 | 860.9 | 799.1 | 718.1 |
| 32.5° | 985.0 | 975.7 | 967.0 | 982.7 | 985.6 | 968.7 | 939.6 | 902.3 | 842.2 | 765.3 | 656.9 |
| 35° | 1001.9 | 1002.5 | 999.0 | 1001.9 | 987.9 | 964.1 | 932.0 | 883.0 | 807.3 | 704.7 | 575.9 |
| 37.5° | 1007.8 | 1008.9 | 1001.4 | 990.9 | 969.9 | 942.5 | 904.0 | 848.1 | 749.0 | 621.3 | 453.5 |
| 40° | 989.7 | 986.2 | 974.0 | 959.4 | 936.7 | 908.7 | 866.7 | 783.4 | 662.1 | 496.0 | 353.8 |
| 42.5° | 957.6 | 951.8 | 937.2 | 919.8 | 895.9 | 860.3 | 793.3 | 692.4 | 538.0 | 387.0 | 247.7 |
| 45° | 893.5 | 889.4 | 871.4 | 858.6 | 830.0 | 783.9 | 697.7 | 570.6 | 416.2 | 279.8 | 143.4 |
| 47.5° | 694.2 | 694.8 | 708.8 | 715.2 | 705.3 | 668.5 | 567.1 | 433.6 | 303.7 | 166.7 | 48.4 |
| 50° | 621.3 | 618.4 | 604.4 | 585.2 | 553.1 | 498.3 | 416.2 | 306.6 | 179.5 | 54.2 | 7.0 |
| 52.5° | 471.5 | 471.5 | 464.5 | 454.6 | 420.8 | 367.8 | 281.5 | 169.6 | 62.9 | 9.3 | 1.7 |
| 55° | 203.4 | 192.9 | 198.8 | 209.8 | 201.1 | 174.9 | 131.7 | 50.7 | 11.1 | 1.7 | 1.7 |
| 57.5° | 2.9 | 7.0 | 10.5 | 16.9 | 22.7 | 27.4 | 14.6 | 5.2 | 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° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 67.5° | 1.2 | 1.2 | 1.2 | 1.7 | 1.2 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 70° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.7 | 1.7 |
| 72.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 75° | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 77.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 80° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 |
| 82.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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° | 402.2 | 402.2 | 402.2 | 402.2 | 402.2 | 402.2 | 402.2 | 402.2 |
| 2.5° | 476.2 | 466.3 | 450.0 | 400.4 | 349.1 | 301.9 | 268.1 | 255.3 |
| 5° | 533.9 | 515.8 | 488.4 | 387.0 | 285.0 | 198.8 | 149.8 | 130.6 |
| 7.5° | 579.4 | 556.0 | 516.4 | 363.7 | 209.2 | 106.1 | 63.5 | 50.1 |
| 10° | 609.7 | 584.0 | 532.2 | 329.3 | 138.7 | 49.5 | 23.9 | 19.8 |
| 12.5° | 631.8 | 599.8 | 538.0 | 285.0 | 81.6 | 22.7 | 12.8 | 11.7 |
| 15° | 648.1 | 606.8 | 531.0 | 230.8 | 44.9 | 13.4 | 10.5 | 10.5 |
| 17.5° | 670.9 | 610.3 | 514.1 | 170.2 | 25.6 | 9.9 | 9.9 | 9.9 |
| 20° | 688.4 | 610.3 | 482.0 | 116.0 | 15.7 | 8.7 | 8.7 | 8.7 |
| 22.5° | 697.1 | 600.9 | 443.0 | 73.4 | 11.1 | 8.2 | 8.7 | 8.7 |
| 25° | 688.4 | 578.2 | 392.8 | 44.9 | 8.7 | 7.6 | 8.2 | 8.7 |
| 27.5° | 656.3 | 532.7 | 325.8 | 28.6 | 7.0 | 7.6 | 8.2 | 8.7 |
| 30° | 602.7 | 466.9 | 250.0 | 18.7 | 6.4 | 7.6 | 8.2 | 8.7 |
| 32.5° | 526.9 | 369.0 | 162.0 | 12.2 | 5.8 | 7.6 | 8.2 | 8.7 |
| 35° | 411.5 | 261.1 | 97.9 | 7.6 | 5.8 | 7.6 | 8.7 | 9.3 |
| 37.5° | 308.3 | 174.3 | 53.0 | 4.7 | 5.8 | 7.6 | 8.7 | 9.3 |
| 40° | 213.9 | 101.4 | 22.7 | 4.1 | 5.8 | 8.2 | 9.3 | 9.3 |
| 42.5° | 124.1 | 40.2 | 5.8 | 3.5 | 5.8 | 8.2 | 9.3 | 9.9 |
| 45° | 45.5 | 8.2 | 1.7 | 3.5 | 6.4 | 8.2 | 9.3 | 10.5 |
| 47.5° | 6.4 | 1.7 | 1.7 | 3.5 | 6.4 | 8.2 | 9.9 | 10.5 |
| 50° | 1.7 | 1.7 | 1.7 | 3.5 | 6.4 | 8.7 | 10.5 | 11.1 |
| 52.5° | 1.7 | 1.7 | 1.7 | 3.5 | 6.4 | 8.7 | 10.5 | 11.1 |
| 55° | 1.7 | 1.7 | 1.7 | 3.5 | 6.4 | 8.7 | 10.5 | 11.1 |
| 57.5° | 1.7 | 1.7 | 1.7 | 3.5 | 6.4 | 8.7 | 10.5 | 11.1 |
| 60° | 1.7 | 1.7 | 1.7 | 3.5 | 5.8 | 8.7 | 10.5 | 11.1 |
| 62.5° | 1.7 | 1.7 | 1.7 | 3.5 | 5.8 | 8.2 | 9.9 | 10.5 |
| 65° | 1.7 | 1.7 | 1.7 | 3.5 | 5.2 | 7.6 | 9.9 | 9.9 |
| 67.5° | 1.7 | 1.7 | 1.7 | 2.9 | 5.2 | 7.6 | 9.3 | 9.9 |
| 70° | 1.7 | 1.7 | 1.7 | 2.9 | 4.7 | 7.0 | 8.7 | 9.3 |
| 72.5° | 1.7 | 1.7 | 1.7 | 2.3 | 4.1 | 6.4 | 8.2 | 8.7 |
| 75° | 1.2 | 1.7 | 1.7 | 2.3 | 4.1 | 5.8 | 7.6 | 8.2 |
| 77.5° | 1.2 | 1.7 | 1.7 | 1.7 | 3.5 | 4.7 | 6.4 | 7.0 |
| 80° | 1.2 | 1.2 | 1.7 | 1.7 | 2.9 | 4.1 | 5.2 | 5.8 |
| 82.5° | 1.2 | 1.2 | 1.2 | 1.7 | 2.3 | 2.9 | 4.1 | 4.1 |
| 85° | 1.2 | 1.2 | 1.2 | 1.2 | 1.7 | 2.3 | 2.9 | 2.9 |
| 87.5° | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)