

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: P1313899

Luminaire Tested: LDSQA3D17R709727DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709727DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

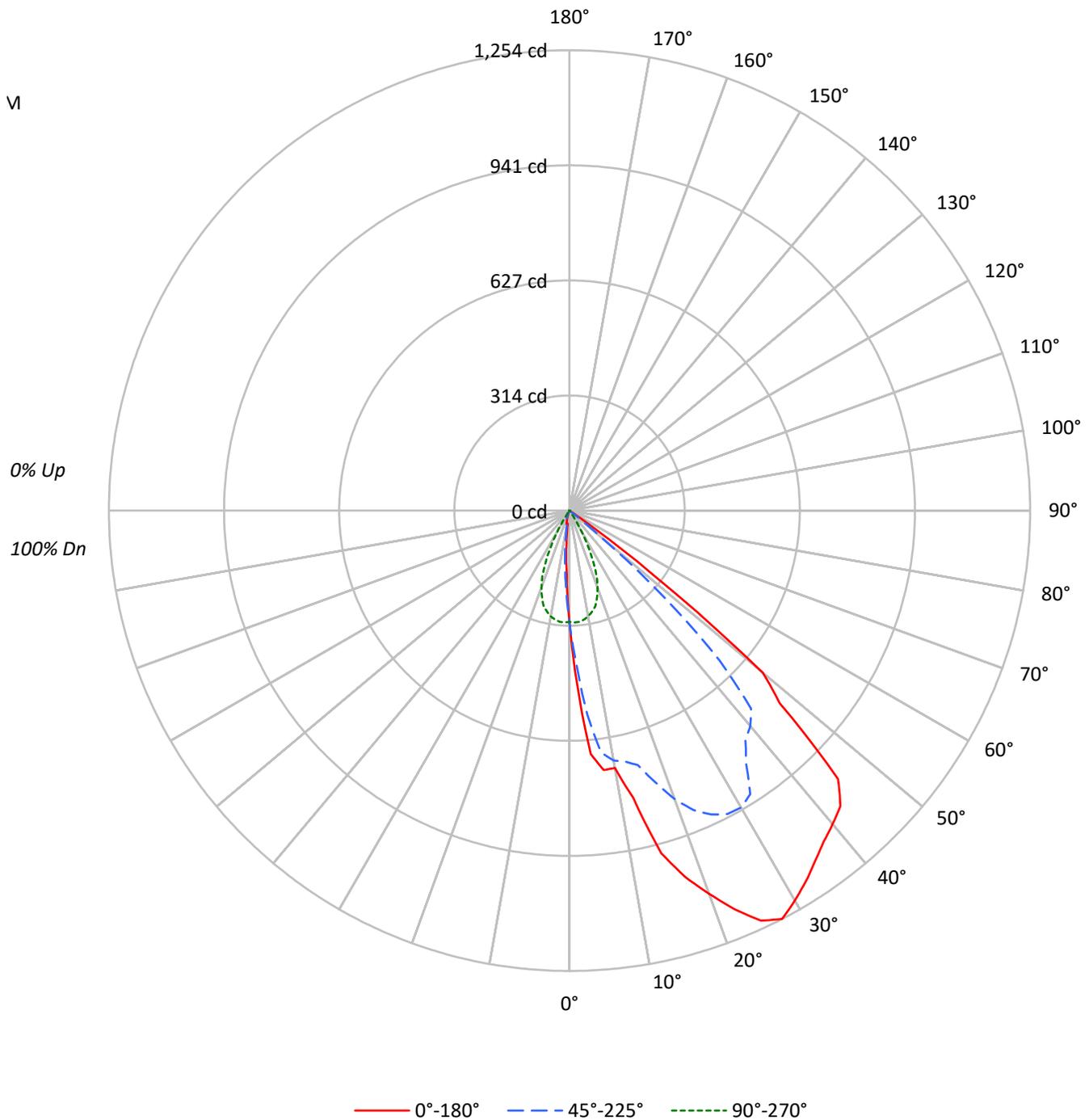
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 816.1 lumens
Efficiency: N/A
Efficacy: 38.5 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1313899

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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 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 96 | 94 | 93 | 91 |
| 2 | 105 | 99 | 94 | 90 | 103 | 98 | 93 | 89 | 94 | 90 | 87 | 91 | 88 | 85 | 88 | 86 | 84 | 88 | 86 | 84 | 82 |
| 3 | 98 | 90 | 84 | 79 | 96 | 89 | 83 | 79 | 86 | 81 | 77 | 84 | 80 | 76 | 81 | 78 | 75 | 81 | 78 | 75 | 73 |
| 4 | 92 | 82 | 76 | 70 | 90 | 81 | 75 | 70 | 79 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 75 | 71 | 67 | 66 |
| 5 | 85 | 75 | 68 | 63 | 84 | 74 | 67 | 62 | 72 | 66 | 62 | 70 | 65 | 61 | 69 | 64 | 61 | 69 | 64 | 61 | 59 |
| 6 | 80 | 69 | 61 | 56 | 78 | 68 | 61 | 56 | 66 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 55 | 63 | 58 | 55 | 53 |
| 7 | 74 | 63 | 56 | 50 | 73 | 62 | 55 | 50 | 61 | 55 | 50 | 59 | 54 | 50 | 58 | 53 | 49 | 58 | 53 | 49 | 48 |
| 8 | 69 | 58 | 51 | 46 | 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 | 45 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 50 | 45 | 41 | 39 |
| 10 | 61 | 49 | 42 | 38 | 60 | 49 | 42 | 38 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 46 | 41 | 37 | 36 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 52149 | 52149 | 52149 | 52149 | 52149 |
| 5° | 115069 | 96554 | 52556 | 23892 | 15732 |
| 10° | 124444 | 120824 | 51152 | 6645 | 6855 |
| 15° | 172254 | 127911 | 48247 | 6775 | 4921 |
| 20° | 203454 | 153218 | 40944 | 4014 | 1485 |
| 25° | 234132 | 173513 | 28884 | 665 | 0 |
| 30° | 243889 | 185721 | 13284 | 0 | 0 |
| 35° | 244999 | 175996 | 736 | 0 | 0 |
| 40° | 250608 | 172168 | 0 | 0 | 0 |
| 45° | 251865 | 141070 | 0 | 0 | 0 |
| 50° | 183881 | 29312 | 0 | 0 | 0 |
| 55° | 10359 | 0 | 0 | 0 | 0 |
| 60° | 0 | 413 | 413 | 0 | 0 |
| 65° | 0 | 0 | 489 | 0 | 0 |
| 70° | 0 | 604 | 604 | 0 | 0 |
| 75° | 0 | 799 | 799 | 0 | 0 |
| 80° | 0 | 1190 | 1190 | 1190 | 0 |
| 85° | 0 | 2371 | 2371 | 2371 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 256614 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 33.1 | 4.1 |
| 10°-20° | 110.6 | 13.6 |
| 20°-30° | 198.9 | 24.4 |
| 30°-40° | 241.8 | 29.6 |
| 40°-50° | 186.7 | 22.9 |
| 50°-60° | 43.4 | 5.3 |
| 60°-70° | 0.3 | 0.0 |
| 70°-80° | 0.6 | 0.1 |
| 80°-90° | 0.7 | 0.1 |
| 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° | 342.6 | 42.0 |
| 0°-40° | 584.4 | 71.6 |
| 0°-60° | 814.5 | 99.8 |
| 0°-90° | 816.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 816.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 303 | 303 | 303 | 303 | 303 | |
| 5° | 666 | 558 | 304 | 138 | 91 | 63 |
| 15° | 966 | 717 | 271 | 38 | 28 | 270 |
| 25° | 1232 | 913 | 152 | 4 | 0 | 561 |
| 35° | 1165 | 837 | 4 | 0 | 0 | 732 |
| 45° | 1034 | 579 | 0 | 0 | 0 | 731 |
| 55° | 34 | 0 | 0 | 0 | 0 | 142 |
| 65° | 0 | 0 | 1 | 0 | 0 | 0 |
| 75° | 0 | 1 | 1 | 0 | 0 | 0 |
| 85° | 0 | 1 | 1 | 1 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1313899

CATALOG NUMBER: LDSQA3D17R709727DE010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0° | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 |
| 2.5° | 472.1 | 472.1 | 474.4 | 473.3 | 462.9 | 458.3 | 443.3 | 435.3 | 433.0 | 414.5 | 407.6 |
| 5° | 665.6 | 666.7 | 661.0 | 659.8 | 648.3 | 640.2 | 627.6 | 608.0 | 588.4 | 558.5 | 532.0 |
| 7.5° | 712.8 | 711.6 | 710.5 | 710.5 | 708.2 | 703.6 | 697.8 | 692.1 | 684.0 | 665.6 | 644.8 |
| 10° | 711.6 | 711.6 | 710.5 | 710.5 | 709.3 | 710.5 | 709.3 | 705.9 | 702.4 | 690.9 | 679.4 |
| 12.5° | 801.4 | 794.5 | 785.3 | 771.5 | 748.5 | 731.2 | 711.6 | 705.9 | 703.6 | 700.1 | 693.2 |
| 15° | 966.1 | 960.4 | 940.8 | 916.6 | 893.6 | 854.4 | 823.3 | 780.7 | 747.3 | 717.4 | 702.4 |
| 17.5° | 1045.6 | 1049.0 | 1027.1 | 1012.2 | 990.3 | 959.2 | 922.4 | 878.6 | 831.4 | 775.0 | 730.1 |
| 20° | 1110.1 | 1113.5 | 1095.1 | 1080.1 | 1054.8 | 1022.5 | 990.3 | 943.1 | 898.2 | 836.0 | 777.3 |
| 22.5° | 1175.7 | 1178.0 | 1160.7 | 1138.8 | 1110.1 | 1076.7 | 1035.2 | 986.8 | 938.5 | 883.2 | 821.0 |
| 25° | 1232.1 | 1229.8 | 1201.0 | 1169.9 | 1142.3 | 1106.6 | 1066.3 | 1019.1 | 973.0 | 913.1 | 854.4 |
| 27.5° | 1254.0 | 1252.8 | 1220.6 | 1190.7 | 1158.4 | 1110.1 | 1074.4 | 1032.9 | 984.5 | 931.6 | 871.7 |
| 30° | 1226.4 | 1244.8 | 1224.1 | 1202.2 | 1163.0 | 1114.7 | 1080.1 | 1030.6 | 985.7 | 933.9 | 865.9 |
| 32.5° | 1197.6 | 1220.6 | 1213.7 | 1203.3 | 1157.3 | 1119.3 | 1074.4 | 1028.3 | 975.3 | 915.4 | 811.8 |
| 35° | 1165.3 | 1189.5 | 1190.7 | 1179.1 | 1137.7 | 1099.7 | 1058.2 | 1009.9 | 950.0 | 837.1 | 761.1 |
| 37.5° | 1136.5 | 1159.6 | 1166.5 | 1142.3 | 1110.1 | 1059.4 | 1021.4 | 970.7 | 862.5 | 786.5 | 747.3 |
| 40° | 1114.7 | 1131.9 | 1142.3 | 1104.3 | 1072.1 | 1022.5 | 978.8 | 890.1 | 792.2 | 765.8 | 710.5 |
| 42.5° | 1091.6 | 1107.7 | 1112.4 | 1070.9 | 1021.4 | 974.2 | 910.8 | 799.1 | 770.4 | 731.2 | 582.7 |
| 45° | 1034.1 | 1053.6 | 1042.1 | 1001.8 | 965.0 | 915.4 | 821.0 | 772.7 | 741.6 | 579.2 | 358.1 |
| 47.5° | 776.1 | 798.0 | 829.1 | 840.6 | 853.3 | 817.6 | 765.8 | 748.5 | 609.1 | 351.2 | 111.7 |
| 50° | 686.3 | 682.8 | 682.8 | 688.6 | 699.0 | 710.5 | 725.4 | 631.0 | 366.2 | 109.4 | 0.0 |
| 52.5° | 279.8 | 293.6 | 361.6 | 422.6 | 492.8 | 563.1 | 585.0 | 386.9 | 142.8 | 2.3 | 0.0 |
| 55° | 34.5 | 34.5 | 48.4 | 82.9 | 137.0 | 221.1 | 248.7 | 124.4 | 10.4 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 1.2 | 9.2 | 25.3 | 17.3 | 4.6 | 1.2 | 1.2 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 1.2 | 1.2 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 1.2 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 1.2 | 1.2 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 1.2 | 1.2 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 1.2 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 1.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 1.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 1.2 |
| 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° | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 |
| 2.5° | 396.1 | 382.3 | 362.7 | 305.1 | 255.6 | 211.9 | 186.5 | 173.9 |
| 5° | 506.7 | 473.3 | 428.4 | 304.0 | 207.3 | 138.2 | 103.6 | 91.0 |
| 7.5° | 612.6 | 574.6 | 498.6 | 299.4 | 158.9 | 80.6 | 44.9 | 35.7 |
| 10° | 658.7 | 631.0 | 563.1 | 292.5 | 115.2 | 38.0 | 38.0 | 39.2 |
| 12.5° | 677.1 | 656.4 | 601.1 | 282.1 | 76.0 | 36.8 | 39.2 | 36.8 |
| 15° | 689.8 | 670.2 | 619.5 | 270.6 | 43.8 | 38.0 | 31.1 | 27.6 |
| 17.5° | 696.7 | 673.6 | 625.3 | 248.7 | 28.8 | 32.2 | 19.6 | 16.1 |
| 20° | 718.5 | 681.7 | 629.9 | 223.4 | 27.6 | 21.9 | 10.4 | 8.1 |
| 22.5° | 755.4 | 697.8 | 631.0 | 192.3 | 21.9 | 12.7 | 3.5 | 0.0 |
| 25° | 788.8 | 719.7 | 634.5 | 152.0 | 6.9 | 3.5 | 0.0 | 0.0 |
| 27.5° | 804.9 | 726.6 | 633.3 | 107.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 785.3 | 709.3 | 623.0 | 66.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 739.3 | 696.7 | 590.7 | 28.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 724.3 | 669.0 | 517.0 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 690.9 | 589.6 | 380.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 594.2 | 426.1 | 180.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 392.7 | 181.9 | 10.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 138.2 | 11.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 |
| 72.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 |
| 75° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 |
| 77.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 |
| 80° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 |
| 82.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 |
| 85° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 |
| 87.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)