

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: P1315842

Luminaire Tested: LDSQA3D17R709735DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315842
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: LDSQA3D17R709735DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

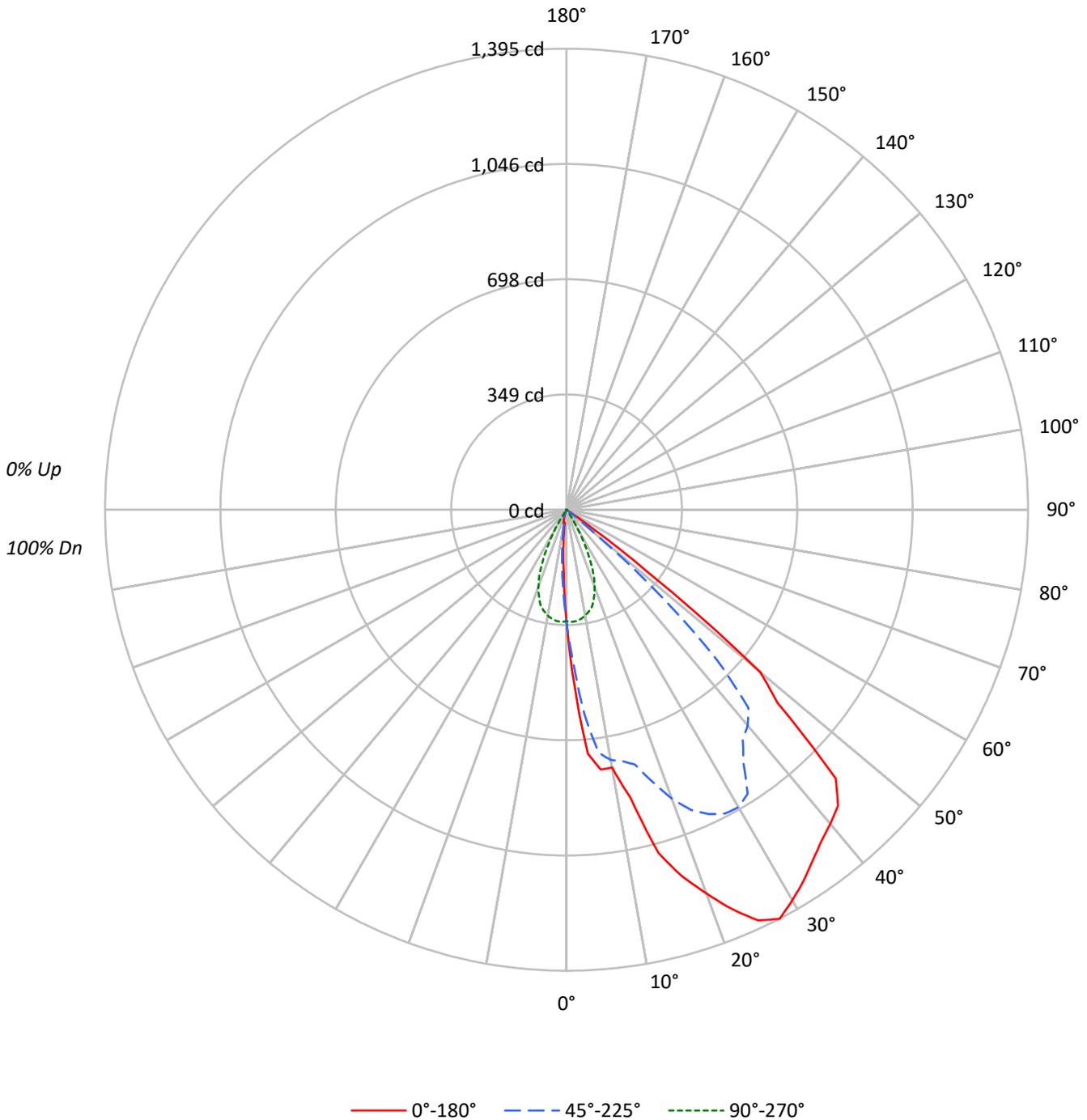
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 908.0 lumens
Efficiency: N/A
Efficacy: 42.8 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





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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 | 100 | | | | 100 |
| 1 | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 91 | | | | 91 |
| 2 | 105 | 99 | 94 | 90 | 103 | 98 | 93 | 89 | 94 | 91 | 87 | 91 | 88 | 85 | 88 | 86 | 84 | 82 | | | | 82 |
| 3 | 98 | 90 | 84 | 79 | 96 | 89 | 83 | 79 | 86 | 81 | 77 | 84 | 80 | 76 | 81 | 78 | 75 | 73 | | | | 73 |
| 4 | 92 | 82 | 76 | 70 | 90 | 81 | 75 | 70 | 79 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 66 | | | | 66 |
| 5 | 85 | 75 | 68 | 63 | 84 | 74 | 67 | 62 | 72 | 66 | 62 | 70 | 65 | 61 | 69 | 64 | 61 | 59 | | | | 59 |
| 6 | 80 | 69 | 61 | 56 | 78 | 68 | 61 | 56 | 66 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 55 | 53 | | | | 53 |
| 7 | 74 | 63 | 56 | 50 | 73 | 62 | 55 | 50 | 61 | 55 | 50 | 59 | 54 | 50 | 58 | 53 | 49 | 48 | | | | 48 |
| 8 | 69 | 58 | 51 | 46 | 68 | 57 | 50 | 45 | 56 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 45 | 43 | | | | 43 |
| 9 | 65 | 53 | 46 | 41 | 64 | 53 | 46 | 41 | 52 | 45 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 39 | | | | 39 |
| 10 | 61 | 49 | 42 | 38 | 60 | 49 | 42 | 38 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 36 | | | | 36 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 58039 | 58039 | 58039 | 58039 | 58039 |
| 5° | 128035 | 107428 | 58485 | 26589 | 17496 |
| 10° | 138487 | 134447 | 56923 | 7397 | 7625 |
| 15° | 191670 | 142335 | 53686 | 7542 | 5492 |
| 20° | 226382 | 170483 | 45562 | 4454 | 1649 |
| 25° | 260527 | 193086 | 32134 | 722 | 0 |
| 30° | 271372 | 206661 | 14776 | 0 | 0 |
| 35° | 272625 | 195843 | 799 | 0 | 0 |
| 40° | 278845 | 191570 | 0 | 0 | 0 |
| 45° | 280240 | 156974 | 0 | 0 | 0 |
| 50° | 204619 | 32607 | 0 | 0 | 0 |
| 55° | 11530 | 0 | 0 | 0 | 0 |
| 60° | 0 | 448 | 448 | 0 | 0 |
| 65° | 0 | 0 | 530 | 0 | 0 |
| 70° | 0 | 655 | 655 | 0 | 0 |
| 75° | 0 | 865 | 865 | 0 | 0 |
| 80° | 0 | 1289 | 1289 | 1289 | 0 |
| 85° | 0 | 2569 | 2569 | 2569 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 285549 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 36.9 | 4.1 |
| 10°-20° | 123.1 | 13.6 |
| 20°-30° | 221.3 | 24.4 |
| 30°-40° | 269.0 | 29.6 |
| 40°-50° | 207.7 | 22.9 |
| 50°-60° | 48.3 | 5.3 |
| 60°-70° | 0.3 | 0.0 |
| 70°-80° | 0.7 | 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° | 381.3 | 42.0 |
| 0°-40° | 650.3 | 71.6 |
| 0°-60° | 906.3 | 99.8 |
| 0°-90° | 908.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 908.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0° | 337 | 337 | 337 | 337 | 337 | |
| 5° | 741 | 621 | 338 | 154 | 101 | 70 |
| 15° | 1075 | 798 | 301 | 42 | 31 | 301 |
| 25° | 1371 | 1016 | 169 | 4 | 0 | 624 |
| 35° | 1297 | 932 | 4 | 0 | 0 | 815 |
| 45° | 1151 | 644 | 0 | 0 | 0 | 813 |
| 55° | 38 | 0 | 0 | 0 | 0 | 158 |
| 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: P1315842
 CATALOG NUMBER: LDSQA3D17R709735DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 337.0 | 337.0 | 337.0 | 337.0 | 337.0 | 337.0 | 337.0 | 337.0 | 337.0 | 337.0 | 337.0 |
| 2.5° | 525.3 | 525.3 | 527.9 | 526.6 | 515.1 | 510.0 | 493.3 | 484.3 | 481.8 | 461.3 | 453.6 |
| 5° | 740.6 | 741.9 | 735.5 | 734.2 | 721.4 | 712.4 | 698.3 | 676.5 | 654.8 | 621.4 | 592.0 |
| 7.5° | 793.1 | 791.9 | 790.6 | 790.6 | 788.0 | 782.9 | 776.5 | 770.1 | 761.1 | 740.6 | 717.5 |
| 10° | 791.9 | 791.9 | 790.6 | 790.6 | 789.3 | 790.6 | 789.3 | 785.5 | 781.6 | 768.8 | 756.0 |
| 12.5° | 891.8 | 884.1 | 873.9 | 858.5 | 832.9 | 813.6 | 791.9 | 785.5 | 782.9 | 779.1 | 771.4 |
| 15° | 1075.0 | 1068.6 | 1046.8 | 1019.9 | 994.3 | 950.7 | 916.2 | 868.7 | 831.6 | 798.3 | 781.6 |
| 17.5° | 1163.5 | 1167.3 | 1142.9 | 1126.3 | 1101.9 | 1067.4 | 1026.3 | 977.7 | 925.1 | 862.3 | 812.4 |
| 20° | 1235.2 | 1239.0 | 1218.5 | 1201.9 | 1173.7 | 1137.8 | 1101.9 | 1049.4 | 999.4 | 930.2 | 864.9 |
| 22.5° | 1308.2 | 1310.8 | 1291.6 | 1267.2 | 1235.2 | 1198.0 | 1151.9 | 1098.1 | 1044.3 | 982.8 | 913.6 |
| 25° | 1371.0 | 1368.5 | 1336.4 | 1301.8 | 1271.1 | 1231.4 | 1186.5 | 1134.0 | 1082.7 | 1016.1 | 950.7 |
| 27.5° | 1395.4 | 1394.1 | 1358.2 | 1324.9 | 1289.0 | 1235.2 | 1195.5 | 1149.4 | 1095.5 | 1036.6 | 970.0 |
| 30° | 1364.6 | 1385.1 | 1362.1 | 1337.7 | 1294.1 | 1240.3 | 1201.9 | 1146.8 | 1096.8 | 1039.2 | 963.6 |
| 32.5° | 1332.6 | 1358.2 | 1350.5 | 1339.0 | 1287.7 | 1245.5 | 1195.5 | 1144.2 | 1085.3 | 1018.7 | 903.3 |
| 35° | 1296.7 | 1323.6 | 1324.9 | 1312.1 | 1266.0 | 1223.7 | 1177.5 | 1123.7 | 1057.1 | 931.5 | 847.0 |
| 37.5° | 1264.7 | 1290.3 | 1298.0 | 1271.1 | 1235.2 | 1178.8 | 1136.5 | 1080.2 | 959.7 | 875.2 | 831.6 |
| 40° | 1240.3 | 1259.6 | 1271.1 | 1228.8 | 1192.9 | 1137.8 | 1089.1 | 990.5 | 881.6 | 852.1 | 790.6 |
| 42.5° | 1214.7 | 1232.6 | 1237.8 | 1191.6 | 1136.5 | 1084.0 | 1013.5 | 889.2 | 857.2 | 813.6 | 648.4 |
| 45° | 1150.6 | 1172.4 | 1159.6 | 1114.8 | 1073.8 | 1018.7 | 913.6 | 859.8 | 825.2 | 644.5 | 398.5 |
| 47.5° | 863.6 | 888.0 | 922.6 | 935.4 | 949.5 | 909.7 | 852.1 | 832.9 | 677.8 | 390.8 | 124.3 |
| 50° | 763.7 | 759.8 | 759.8 | 766.2 | 777.8 | 790.6 | 807.2 | 702.2 | 407.5 | 121.7 | 0.0 |
| 52.5° | 311.4 | 326.7 | 402.3 | 470.2 | 548.4 | 626.6 | 650.9 | 430.5 | 158.9 | 2.6 | 0.0 |
| 55° | 38.4 | 38.4 | 53.8 | 92.3 | 152.5 | 246.0 | 276.8 | 138.4 | 11.5 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 1.3 | 10.3 | 28.2 | 19.2 | 5.1 | 1.3 | 1.3 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 |
| 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 | 1.3 | 1.3 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 |
| 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° | 337.0 | 337.0 | 337.0 | 337.0 | 337.0 | 337.0 | 337.0 | 337.0 |
| 2.5° | 440.8 | 425.4 | 403.6 | 339.6 | 284.5 | 235.8 | 207.6 | 193.5 |
| 5° | 563.8 | 526.6 | 476.7 | 338.3 | 230.6 | 153.8 | 115.3 | 101.2 |
| 7.5° | 681.7 | 639.4 | 554.8 | 333.1 | 176.8 | 89.7 | 50.0 | 39.7 |
| 10° | 732.9 | 702.2 | 626.6 | 325.5 | 128.1 | 42.3 | 42.3 | 43.6 |
| 12.5° | 753.4 | 730.4 | 668.9 | 313.9 | 84.6 | 41.0 | 43.6 | 41.0 |
| 15° | 767.5 | 745.7 | 689.4 | 301.1 | 48.7 | 42.3 | 34.6 | 30.8 |
| 17.5° | 775.2 | 749.6 | 695.8 | 276.8 | 32.0 | 35.9 | 21.8 | 17.9 |
| 20° | 799.6 | 758.5 | 700.9 | 248.6 | 30.8 | 24.3 | 11.5 | 9.0 |
| 22.5° | 840.6 | 776.5 | 702.2 | 214.0 | 24.3 | 14.1 | 3.8 | 0.0 |
| 25° | 877.7 | 800.8 | 706.0 | 169.1 | 7.7 | 3.8 | 0.0 | 0.0 |
| 27.5° | 895.7 | 808.5 | 704.7 | 119.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 873.9 | 789.3 | 693.2 | 74.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 822.6 | 775.2 | 657.3 | 32.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 806.0 | 744.5 | 575.3 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 768.8 | 656.0 | 422.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 661.2 | 474.1 | 201.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 436.9 | 202.5 | 11.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 153.8 | 12.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 2.6 | 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° | 1.3 | 1.3 | 1.3 | 1.3 | 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 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 1.3 | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 |
| 72.5° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 |
| 75° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 |
| 77.5° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 |
| 80° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 |
| 82.5° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 |
| 85° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 |
| 87.5° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 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)