

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: P1314871

Luminaire Tested: LDSQA3D17R709730DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314871
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: LDSQA3D17R709730DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

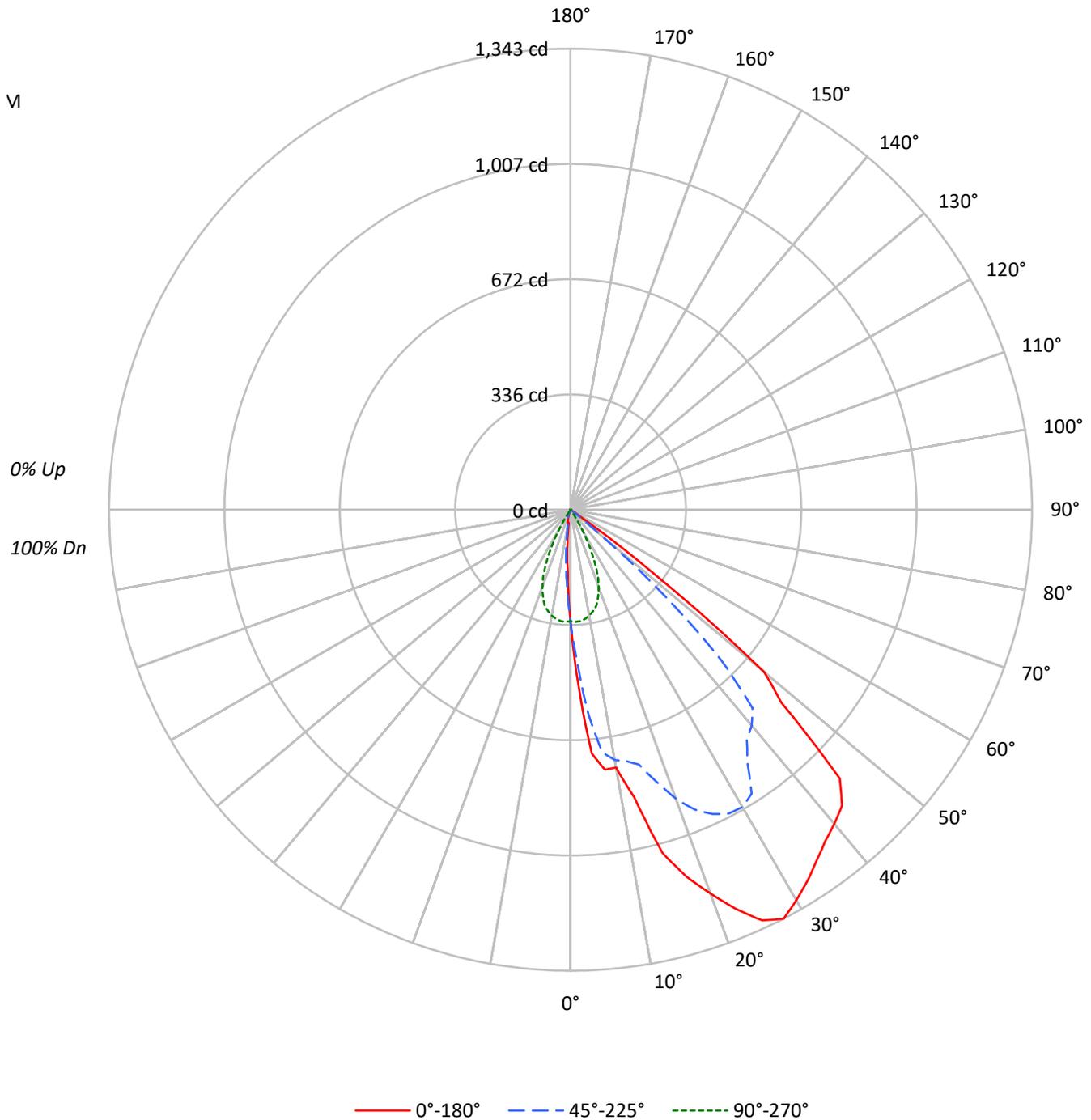
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 874.0 lumens
Efficiency: N/A
Efficacy: 41.2 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: P1314871

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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 | 91 | 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° | 55869 | 55869 | 55869 | 55869 | 55869 |
| 5° | 123247 | 103417 | 56290 | 25586 | 16839 |
| 10° | 133293 | 129411 | 54790 | 7118 | 7327 |
| 15° | 184503 | 137004 | 51671 | 7257 | 5278 |
| 20° | 217915 | 164105 | 43858 | 4289 | 1576 |
| 25° | 250778 | 185846 | 30936 | 703 | 0 |
| 30° | 261210 | 198905 | 14219 | 0 | 0 |
| 35° | 262428 | 188506 | 778 | 0 | 0 |
| 40° | 268413 | 184398 | 0 | 0 | 0 |
| 45° | 269767 | 151104 | 0 | 0 | 0 |
| 50° | 196956 | 31401 | 0 | 0 | 0 |
| 55° | 11110 | 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: 274857 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 35.5 | 4.1 |
| 10°-20° | 118.5 | 13.6 |
| 20°-30° | 213.0 | 24.4 |
| 30°-40° | 258.9 | 29.6 |
| 40°-50° | 199.9 | 22.9 |
| 50°-60° | 46.5 | 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° | 367.0 | 42.0 |
| 0°-40° | 625.9 | 71.6 |
| 0°-60° | 872.4 | 99.8 |
| 0°-90° | 874.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 874.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 324 | 324 | 324 | 324 | 324 | |
| 5° | 713 | 598 | 326 | 148 | 97 | 67 |
| 15° | 1035 | 768 | 290 | 41 | 30 | 289 |
| 25° | 1320 | 978 | 163 | 4 | 0 | 601 |
| 35° | 1248 | 897 | 4 | 0 | 0 | 784 |
| 45° | 1108 | 620 | 0 | 0 | 0 | 783 |
| 55° | 37 | 0 | 0 | 0 | 0 | 152 |
| 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: P1314871
 CATALOG NUMBER: LDSQA3D17R709730DE010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 324.4 | 324.4 | 324.4 | 324.4 | 324.4 | 324.4 | 324.4 | 324.4 | 324.4 | 324.4 | 324.4 |
| 2.5° | 505.7 | 505.7 | 508.1 | 506.9 | 495.8 | 490.9 | 474.8 | 466.2 | 463.7 | 444.0 | 436.6 |
| 5° | 712.9 | 714.1 | 707.9 | 706.7 | 694.4 | 685.7 | 672.2 | 651.2 | 630.2 | 598.2 | 569.8 |
| 7.5° | 763.4 | 762.2 | 761.0 | 761.0 | 758.5 | 753.6 | 747.4 | 741.2 | 732.6 | 712.9 | 690.7 |
| 10° | 762.2 | 762.2 | 761.0 | 761.0 | 759.7 | 761.0 | 759.7 | 756.0 | 752.3 | 740.0 | 727.7 |
| 12.5° | 858.4 | 851.0 | 841.1 | 826.3 | 801.7 | 783.2 | 762.2 | 756.0 | 753.6 | 749.9 | 742.5 |
| 15° | 1034.8 | 1028.6 | 1007.6 | 981.7 | 957.1 | 915.1 | 881.8 | 836.2 | 800.4 | 768.4 | 752.3 |
| 17.5° | 1119.9 | 1123.6 | 1100.2 | 1084.1 | 1060.7 | 1027.4 | 987.9 | 941.0 | 890.5 | 830.0 | 781.9 |
| 20° | 1189.0 | 1192.7 | 1172.9 | 1156.9 | 1129.8 | 1095.2 | 1060.7 | 1010.1 | 962.0 | 895.4 | 832.5 |
| 22.5° | 1259.3 | 1261.7 | 1243.2 | 1219.8 | 1189.0 | 1153.2 | 1108.8 | 1057.0 | 1005.2 | 946.0 | 879.4 |
| 25° | 1319.7 | 1317.2 | 1286.4 | 1253.1 | 1223.5 | 1185.3 | 1142.1 | 1091.5 | 1042.2 | 978.0 | 915.1 |
| 27.5° | 1343.1 | 1341.9 | 1307.4 | 1275.3 | 1240.8 | 1189.0 | 1150.7 | 1106.3 | 1054.5 | 997.8 | 933.6 |
| 30° | 1313.5 | 1333.3 | 1311.1 | 1287.6 | 1245.7 | 1193.9 | 1156.9 | 1103.9 | 1055.8 | 1000.2 | 927.5 |
| 32.5° | 1282.7 | 1307.4 | 1300.0 | 1288.9 | 1239.5 | 1198.8 | 1150.7 | 1101.4 | 1044.7 | 980.5 | 869.5 |
| 35° | 1248.2 | 1274.1 | 1275.3 | 1263.0 | 1218.6 | 1177.9 | 1133.5 | 1081.7 | 1017.5 | 896.6 | 815.2 |
| 37.5° | 1217.3 | 1242.0 | 1249.4 | 1223.5 | 1189.0 | 1134.7 | 1094.0 | 1039.7 | 923.8 | 842.4 | 800.4 |
| 40° | 1193.9 | 1212.4 | 1223.5 | 1182.8 | 1148.3 | 1095.2 | 1048.4 | 953.4 | 848.5 | 820.2 | 761.0 |
| 42.5° | 1169.2 | 1186.5 | 1191.4 | 1147.0 | 1094.0 | 1043.4 | 975.6 | 855.9 | 825.1 | 783.2 | 624.1 |
| 45° | 1107.6 | 1128.5 | 1116.2 | 1073.0 | 1033.6 | 980.5 | 879.4 | 827.6 | 794.3 | 620.4 | 383.6 |
| 47.5° | 831.3 | 854.7 | 888.0 | 900.3 | 913.9 | 875.7 | 820.2 | 801.7 | 652.4 | 376.2 | 119.6 |
| 50° | 735.1 | 731.4 | 731.4 | 737.5 | 748.6 | 761.0 | 777.0 | 675.9 | 392.2 | 117.2 | 0.0 |
| 52.5° | 299.7 | 314.5 | 387.3 | 452.6 | 527.9 | 603.1 | 626.5 | 414.4 | 152.9 | 2.5 | 0.0 |
| 55° | 37.0 | 37.0 | 51.8 | 88.8 | 146.8 | 236.8 | 266.4 | 133.2 | 11.1 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 1.2 | 9.9 | 27.1 | 18.5 | 4.9 | 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° | 324.4 | 324.4 | 324.4 | 324.4 | 324.4 | 324.4 | 324.4 | 324.4 |
| 2.5° | 424.3 | 409.5 | 388.5 | 326.8 | 273.8 | 226.9 | 199.8 | 186.2 |
| 5° | 542.7 | 506.9 | 458.8 | 325.6 | 222.0 | 148.0 | 111.0 | 97.4 |
| 7.5° | 656.1 | 615.4 | 534.0 | 320.7 | 170.2 | 86.3 | 48.1 | 38.2 |
| 10° | 705.5 | 675.9 | 603.1 | 313.3 | 123.3 | 40.7 | 40.7 | 41.9 |
| 12.5° | 725.2 | 703.0 | 643.8 | 302.2 | 81.4 | 39.5 | 41.9 | 39.5 |
| 15° | 738.8 | 717.8 | 663.5 | 289.8 | 46.9 | 40.7 | 33.3 | 29.6 |
| 17.5° | 746.2 | 721.5 | 669.7 | 266.4 | 30.8 | 34.5 | 21.0 | 17.3 |
| 20° | 769.6 | 730.1 | 674.6 | 239.3 | 29.6 | 23.4 | 11.1 | 8.6 |
| 22.5° | 809.1 | 747.4 | 675.9 | 206.0 | 23.4 | 13.6 | 3.7 | 0.0 |
| 25° | 844.8 | 770.8 | 679.6 | 162.8 | 7.4 | 3.7 | 0.0 | 0.0 |
| 27.5° | 862.1 | 778.2 | 678.3 | 114.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 841.1 | 759.7 | 667.2 | 71.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 791.8 | 746.2 | 632.7 | 30.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 775.8 | 716.6 | 553.8 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 740.0 | 631.5 | 407.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 636.4 | 456.3 | 193.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 420.6 | 194.9 | 11.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 148.0 | 12.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 2.5 | 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)