

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: P1312454

Luminaire Tested: LDSQA3D09R609050DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312454
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R609050DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

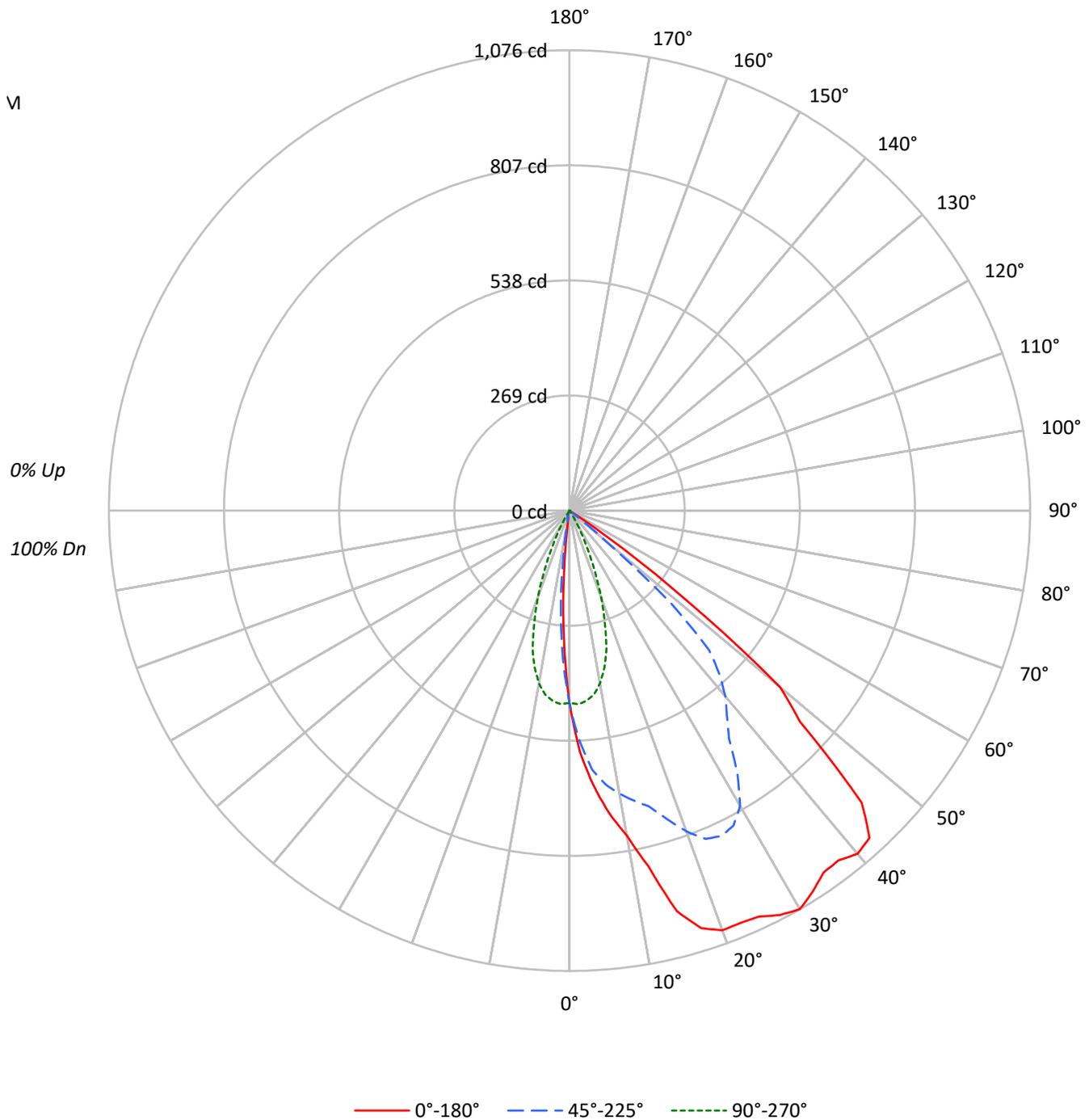
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 730.0 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1312454

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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 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 96 | 94 | 93 | 91 |
| 2 | 105 | 100 | 95 | 91 | 103 | 98 | 93 | 90 | 94 | 91 | 88 | 91 | 88 | 86 | 89 | 86 | 84 | 82 | 86 | 84 | 82 |
| 3 | 99 | 91 | 85 | 80 | 96 | 89 | 84 | 79 | 87 | 82 | 78 | 84 | 80 | 77 | 82 | 78 | 76 | 74 | 78 | 76 | 74 |
| 4 | 92 | 83 | 76 | 71 | 90 | 82 | 75 | 71 | 79 | 74 | 70 | 77 | 73 | 69 | 75 | 71 | 68 | 66 | 71 | 68 | 66 |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 68 | 63 | 73 | 67 | 63 | 71 | 66 | 62 | 69 | 65 | 61 | 60 | 62 | 61 | 60 |
| 6 | 80 | 69 | 62 | 57 | 79 | 69 | 62 | 57 | 67 | 61 | 56 | 65 | 60 | 56 | 64 | 59 | 56 | 54 | 56 | 56 | 54 |
| 7 | 75 | 64 | 57 | 52 | 74 | 63 | 56 | 51 | 62 | 56 | 51 | 60 | 55 | 51 | 59 | 54 | 50 | 49 | 51 | 50 | 49 |
| 8 | 70 | 59 | 52 | 47 | 69 | 58 | 51 | 47 | 57 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 44 | 46 | 46 | 44 |
| 9 | 66 | 55 | 47 | 43 | 65 | 54 | 47 | 43 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 40 | 42 | 42 | 40 |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 48 | 42 | 39 | 37 | 39 | 39 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 77345 | 77345 | 77345 | 77345 | 77345 |
| 5° | 111491 | 105008 | 77226 | 39797 | 25552 |
| 10° | 134867 | 117397 | 71701 | 4757 | 2798 |
| 15° | 172842 | 127537 | 59427 | 3138 | 2567 |
| 20° | 191285 | 146181 | 39844 | 1759 | 293 |
| 25° | 198939 | 159451 | 19592 | 152 | 0 |
| 30° | 213920 | 158456 | 5409 | 0 | 0 |
| 35° | 217246 | 136428 | 0 | 0 | 0 |
| 40° | 235365 | 127204 | 0 | 0 | 0 |
| 45° | 235132 | 112305 | 0 | 0 | 0 |
| 50° | 172146 | 27195 | 0 | 0 | 0 |
| 55° | 33599 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 326 | 326 | 0 | 0 |
| 70° | 0 | 403 | 403 | 0 | 0 |
| 75° | 0 | 532 | 532 | 0 | 0 |
| 80° | 0 | 793 | 793 | 793 | 0 |
| 85° | 0 | 1581 | 1581 | 1581 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 235522 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 38.6 | 5.3 |
| 10°-20° | 109.9 | 15.0 |
| 20°-30° | 175.0 | 24.0 |
| 30°-40° | 202.3 | 27.7 |
| 40°-50° | 160.7 | 22.0 |
| 50°-60° | 42.3 | 5.8 |
| 60°-70° | 0.3 | 0.0 |
| 70°-80° | 0.5 | 0.1 |
| 80°-90° | 0.5 | 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° | 323.5 | 44.3 |
| 0°-40° | 525.8 | 72.0 |
| 0°-60° | 728.8 | 99.8 |
| 0°-90° | 730.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 730.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 449 | 449 | 449 | 449 | 449 | |
| 5° | 645 | 607 | 447 | 230 | 148 | 65 |
| 15° | 969 | 715 | 333 | 18 | 14 | 270 |
| 25° | 1047 | 839 | 103 | 1 | 0 | 488 |
| 35° | 1033 | 649 | 0 | 0 | 0 | 656 |
| 45° | 965 | 461 | 0 | 0 | 0 | 687 |
| 55° | 112 | 0 | 0 | 0 | 0 | 169 |
| 65° | 0 | 1 | 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: P1312454
 CATALOG NUMBER: LDSQA3D09R609050DE010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0° | 449.1 | 449.1 | 449.1 | 449.1 | 449.1 | 449.1 | 449.1 | 449.1 | 449.1 | 449.1 | 449.1 |
| 2.5° | 565.0 | 570.6 | 568.2 | 565.8 | 560.2 | 557.8 | 557.8 | 551.4 | 541.0 | 539.5 | 532.3 |
| 5° | 644.9 | 646.5 | 646.5 | 644.9 | 640.9 | 634.6 | 633.0 | 626.6 | 617.0 | 607.4 | 597.8 |
| 7.5° | 714.5 | 713.7 | 708.9 | 705.7 | 698.5 | 689.7 | 681.7 | 672.9 | 658.5 | 645.7 | 632.2 |
| 10° | 771.2 | 773.6 | 769.6 | 761.6 | 752.0 | 740.0 | 727.3 | 712.1 | 690.5 | 671.3 | 653.7 |
| 12.5° | 851.1 | 850.3 | 839.9 | 826.4 | 803.2 | 780.8 | 760.8 | 744.0 | 717.7 | 694.5 | 672.9 |
| 15° | 969.4 | 967.8 | 958.2 | 946.2 | 912.7 | 879.1 | 844.7 | 797.6 | 753.6 | 715.3 | 684.9 |
| 17.5° | 1023.0 | 1026.2 | 1018.2 | 1011.8 | 992.6 | 970.2 | 939.8 | 892.7 | 824.8 | 755.2 | 691.3 |
| 20° | 1043.7 | 1047.7 | 1042.1 | 1041.3 | 1032.5 | 1022.2 | 997.4 | 946.2 | 879.9 | 797.6 | 718.5 |
| 22.5° | 1042.9 | 1046.1 | 1043.7 | 1054.1 | 1064.5 | 1058.9 | 1028.6 | 977.4 | 909.5 | 830.4 | 740.8 |
| 25° | 1046.9 | 1044.5 | 1035.7 | 1050.9 | 1066.1 | 1061.3 | 1046.1 | 1002.2 | 927.9 | 839.1 | 748.8 |
| 27.5° | 1065.3 | 1047.7 | 1030.2 | 1049.3 | 1056.5 | 1058.1 | 1049.3 | 997.4 | 924.7 | 829.6 | 732.9 |
| 30° | 1075.7 | 1056.5 | 1042.1 | 1058.1 | 1058.1 | 1066.9 | 1048.5 | 989.4 | 897.5 | 796.8 | 690.5 |
| 32.5° | 1056.5 | 1052.5 | 1065.3 | 1081.3 | 1085.3 | 1085.3 | 1044.5 | 963.0 | 851.9 | 729.7 | 622.6 |
| 35° | 1033.3 | 1042.9 | 1079.7 | 1086.9 | 1086.9 | 1069.3 | 1019.8 | 916.7 | 784.0 | 648.9 | 572.2 |
| 37.5° | 1031.0 | 1046.1 | 1086.9 | 1078.1 | 1063.7 | 1031.0 | 959.0 | 835.9 | 687.3 | 603.4 | 534.7 |
| 40° | 1046.9 | 1061.3 | 1085.3 | 1053.3 | 1019.0 | 967.8 | 881.5 | 730.5 | 629.0 | 565.8 | 489.1 |
| 42.5° | 1037.3 | 1050.9 | 1051.7 | 1004.6 | 955.8 | 886.3 | 772.0 | 644.9 | 586.6 | 517.9 | 437.2 |
| 45° | 965.4 | 967.0 | 963.8 | 913.5 | 863.1 | 791.2 | 669.7 | 602.6 | 540.2 | 461.1 | 321.3 |
| 47.5° | 729.7 | 726.5 | 738.4 | 724.1 | 726.5 | 683.3 | 608.2 | 553.0 | 478.7 | 323.7 | 97.5 |
| 50° | 642.5 | 638.5 | 626.6 | 613.8 | 601.0 | 580.2 | 545.0 | 485.9 | 345.2 | 101.5 | 3.2 |
| 52.5° | 344.4 | 363.6 | 401.2 | 458.7 | 480.3 | 478.7 | 452.3 | 359.6 | 108.7 | 0.8 | 0.0 |
| 55° | 111.9 | 110.3 | 123.1 | 145.5 | 199.8 | 230.2 | 239.8 | 122.3 | 2.4 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 2.4 | 8.0 | 20.8 | 27.2 | 1.6 | 0.0 | 0.8 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 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° | 449.1 | 449.1 | 449.1 | 449.1 | 449.1 | 449.1 | 449.1 | 449.1 |
| 2.5° | 522.7 | 511.5 | 498.7 | 453.1 | 399.6 | 347.6 | 310.1 | 300.5 |
| 5° | 582.6 | 563.4 | 536.3 | 446.7 | 330.1 | 230.2 | 164.6 | 147.8 |
| 7.5° | 613.8 | 597.0 | 568.2 | 434.0 | 255.7 | 113.5 | 42.4 | 28.8 |
| 10° | 633.0 | 613.0 | 581.0 | 410.0 | 167.0 | 27.2 | 15.2 | 16.0 |
| 12.5° | 646.5 | 623.4 | 587.4 | 375.6 | 84.7 | 13.6 | 19.2 | 20.0 |
| 15° | 652.1 | 627.4 | 586.6 | 333.3 | 30.4 | 17.6 | 16.8 | 14.4 |
| 17.5° | 648.9 | 617.8 | 576.2 | 272.5 | 10.4 | 16.8 | 8.8 | 7.2 |
| 20° | 644.9 | 609.8 | 559.4 | 217.4 | 8.8 | 9.6 | 3.2 | 1.6 |
| 22.5° | 657.7 | 596.2 | 536.3 | 155.8 | 8.8 | 3.2 | 0.0 | 0.0 |
| 25° | 659.3 | 590.6 | 506.7 | 103.1 | 4.0 | 0.8 | 0.0 | 0.0 |
| 27.5° | 643.3 | 557.8 | 461.1 | 60.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 592.2 | 517.1 | 412.4 | 27.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 541.8 | 471.5 | 358.0 | 6.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 501.9 | 424.4 | 298.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 452.3 | 368.4 | 222.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 400.4 | 297.3 | 111.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 312.5 | 141.5 | 11.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 119.9 | 12.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 6.4 | 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° | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 |
| 70° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 |
| 75° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 |
| 80° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 |
| 82.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 |
| 85° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 |
| 87.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)