

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: P1323979

Luminaire Tested: LDSQA3D13R709030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323979
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: LDSQA3D13R709030D2WDE010 3LSQCA30R 1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

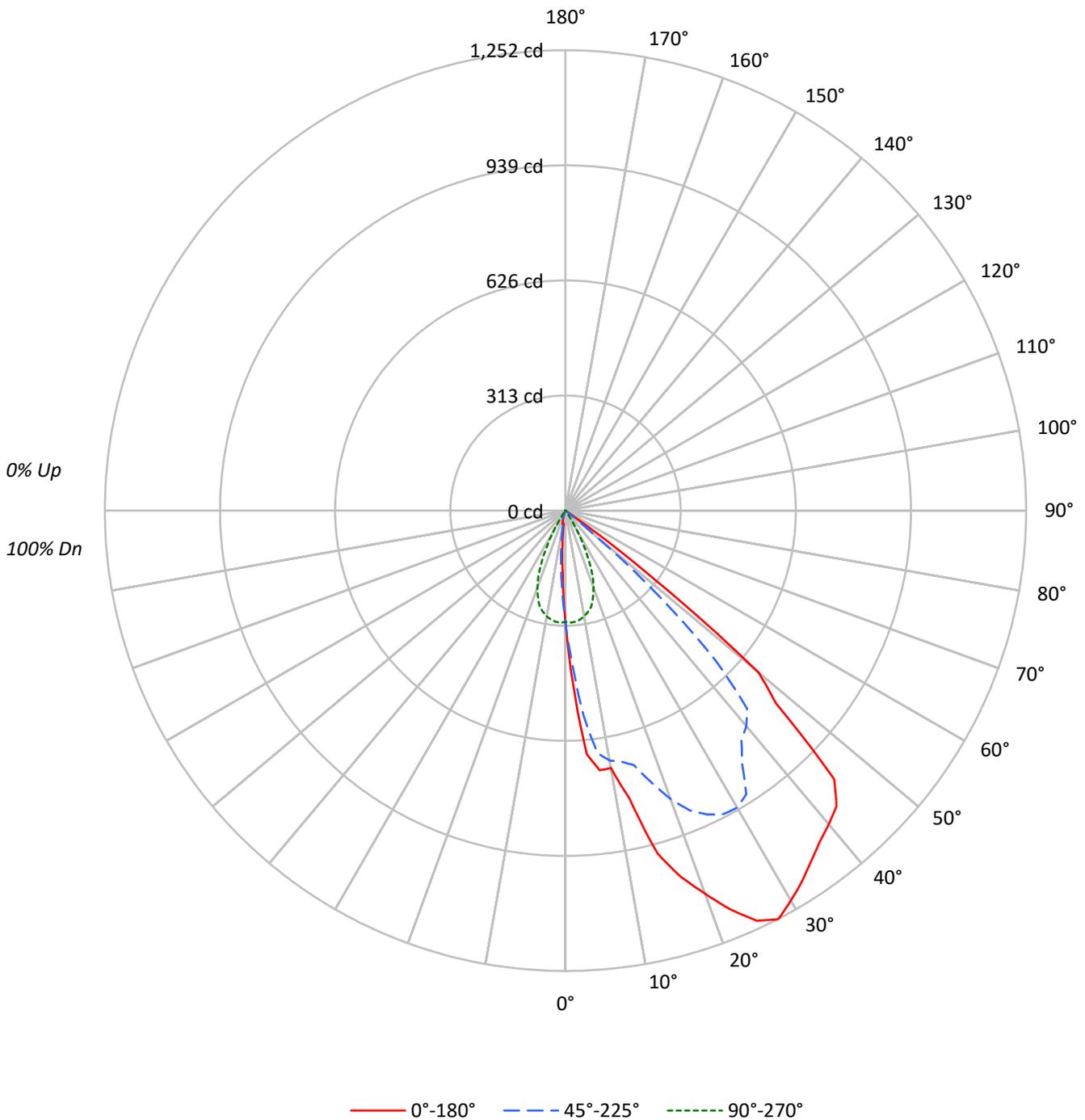
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 815.1 lumens
Efficiency: N/A
Efficacy: 40.6 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): 20.1
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

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Luminous Intensity Polar Plot





TEST NUMBER: P1323979

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 52097 | 52097 | 52097 | 52097 | 52097 |
| 5° | 114931 | 96433 | 52487 | 23858 | 15715 |
| 10° | 124304 | 120684 | 51082 | 6645 | 6838 |
| 15° | 172040 | 127751 | 48194 | 6775 | 4921 |
| 20° | 203198 | 153035 | 40889 | 4014 | 1485 |
| 25° | 233847 | 173304 | 28846 | 665 | 0 |
| 30° | 243590 | 185482 | 13264 | 0 | 0 |
| 35° | 244704 | 175786 | 736 | 0 | 0 |
| 40° | 250293 | 171943 | 0 | 0 | 0 |
| 45° | 251548 | 140899 | 0 | 0 | 0 |
| 50° | 183667 | 29285 | 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: 256298 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 33.1 | 4.1 |
| 10°-20° | 110.5 | 13.6 |
| 20°-30° | 198.6 | 24.4 |
| 30°-40° | 241.5 | 29.6 |
| 40°-50° | 186.4 | 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° | 342.2 | 42.0 |
| 0°-40° | 583.7 | 71.6 |
| 0°-60° | 813.5 | 99.8 |
| 0°-90° | 815.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 815.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 302 | 302 | 302 | 302 | 302 | |
| 5° | 665 | 558 | 304 | 138 | 91 | 63 |
| 15° | 965 | 716 | 270 | 38 | 28 | 270 |
| 25° | 1231 | 912 | 152 | 4 | 0 | 560 |
| 35° | 1164 | 836 | 4 | 0 | 0 | 731 |
| 45° | 1033 | 578 | 0 | 0 | 0 | 730 |
| 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 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0° | 302.5 | 302.5 | 302.5 | 302.5 | 302.5 | 302.5 | 302.5 | 302.5 | 302.5 | 302.5 | 302.5 |
| 2.5° | 471.5 | 471.5 | 473.8 | 472.7 | 462.3 | 457.7 | 442.8 | 434.7 | 432.4 | 414.0 | 407.1 |
| 5° | 664.8 | 665.9 | 660.2 | 659.0 | 647.5 | 639.5 | 626.8 | 607.3 | 587.7 | 557.8 | 531.3 |
| 7.5° | 711.9 | 710.8 | 709.6 | 709.6 | 707.3 | 702.7 | 697.0 | 691.2 | 683.2 | 664.8 | 644.1 |
| 10° | 710.8 | 710.8 | 709.6 | 709.6 | 708.5 | 709.6 | 708.5 | 705.0 | 701.6 | 690.1 | 678.6 |
| 12.5° | 800.5 | 793.6 | 784.4 | 770.6 | 747.6 | 730.3 | 710.8 | 705.0 | 702.7 | 699.3 | 692.4 |
| 15° | 964.9 | 959.2 | 939.6 | 915.5 | 892.5 | 853.4 | 822.3 | 779.8 | 746.4 | 716.5 | 701.6 |
| 17.5° | 1044.3 | 1047.7 | 1025.9 | 1010.9 | 989.1 | 958.0 | 921.2 | 877.5 | 830.4 | 774.0 | 729.2 |
| 20° | 1108.7 | 1112.1 | 1093.7 | 1078.8 | 1053.5 | 1021.3 | 989.1 | 941.9 | 897.1 | 835.0 | 776.3 |
| 22.5° | 1174.2 | 1176.5 | 1159.3 | 1137.4 | 1108.7 | 1075.3 | 1033.9 | 985.6 | 937.3 | 882.1 | 820.0 |
| 25° | 1230.6 | 1228.3 | 1199.5 | 1168.5 | 1140.9 | 1105.2 | 1065.0 | 1017.8 | 971.8 | 912.0 | 853.4 |
| 27.5° | 1252.5 | 1251.3 | 1219.1 | 1189.2 | 1157.0 | 1108.7 | 1073.0 | 1031.6 | 983.3 | 930.4 | 870.6 |
| 30° | 1224.9 | 1243.3 | 1222.6 | 1200.7 | 1161.6 | 1113.3 | 1078.8 | 1029.3 | 984.5 | 932.7 | 864.9 |
| 32.5° | 1196.1 | 1219.1 | 1212.2 | 1201.8 | 1155.8 | 1117.9 | 1073.0 | 1027.0 | 974.1 | 914.3 | 810.8 |
| 35° | 1163.9 | 1188.0 | 1189.2 | 1177.7 | 1136.3 | 1098.3 | 1056.9 | 1008.6 | 948.8 | 836.1 | 760.2 |
| 37.5° | 1135.1 | 1158.1 | 1165.0 | 1140.9 | 1108.7 | 1058.1 | 1020.1 | 969.5 | 861.4 | 785.5 | 746.4 |
| 40° | 1113.3 | 1130.5 | 1140.9 | 1102.9 | 1070.7 | 1021.3 | 977.6 | 889.0 | 791.3 | 764.8 | 709.6 |
| 42.5° | 1090.3 | 1106.4 | 1111.0 | 1069.6 | 1020.1 | 973.0 | 909.7 | 798.2 | 769.4 | 730.3 | 581.9 |
| 45° | 1032.8 | 1052.3 | 1040.8 | 1000.6 | 963.8 | 914.3 | 820.0 | 771.7 | 740.7 | 578.5 | 357.7 |
| 47.5° | 775.2 | 797.0 | 828.1 | 839.6 | 852.2 | 816.6 | 764.8 | 747.6 | 608.4 | 350.8 | 111.6 |
| 50° | 685.5 | 682.0 | 682.0 | 687.8 | 698.1 | 709.6 | 724.6 | 630.3 | 365.7 | 109.3 | 0.0 |
| 52.5° | 279.5 | 293.3 | 361.1 | 422.1 | 492.2 | 562.4 | 584.2 | 386.4 | 142.6 | 2.3 | 0.0 |
| 55° | 34.5 | 34.5 | 48.3 | 82.8 | 136.9 | 220.8 | 248.4 | 124.2 | 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° | 302.5 | 302.5 | 302.5 | 302.5 | 302.5 | 302.5 | 302.5 | 302.5 |
| 2.5° | 395.6 | 381.8 | 362.3 | 304.8 | 255.3 | 211.6 | 186.3 | 173.7 |
| 5° | 506.0 | 472.7 | 427.8 | 303.6 | 207.0 | 138.0 | 103.5 | 90.9 |
| 7.5° | 611.9 | 573.9 | 498.0 | 299.0 | 158.7 | 80.5 | 44.9 | 35.7 |
| 10° | 657.9 | 630.3 | 562.4 | 292.1 | 115.0 | 38.0 | 38.0 | 39.1 |
| 12.5° | 676.3 | 655.6 | 600.3 | 281.8 | 75.9 | 36.8 | 39.1 | 36.8 |
| 15° | 688.9 | 669.4 | 618.8 | 270.3 | 43.7 | 38.0 | 31.1 | 27.6 |
| 17.5° | 695.8 | 672.8 | 624.5 | 248.4 | 28.8 | 32.2 | 19.6 | 16.1 |
| 20° | 717.7 | 680.9 | 629.1 | 223.1 | 27.6 | 21.9 | 10.4 | 8.1 |
| 22.5° | 754.5 | 697.0 | 630.3 | 192.1 | 21.9 | 12.7 | 3.5 | 0.0 |
| 25° | 787.8 | 718.8 | 633.7 | 151.8 | 6.9 | 3.5 | 0.0 | 0.0 |
| 27.5° | 803.9 | 725.7 | 632.6 | 107.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 784.4 | 708.5 | 622.2 | 66.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 738.4 | 695.8 | 590.0 | 28.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 723.4 | 668.2 | 516.4 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 690.1 | 588.8 | 379.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 593.4 | 425.5 | 180.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 392.2 | 181.7 | 10.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 138.0 | 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)