

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: P1327000

Luminaire Tested: LDSQA3D09R55W2N902765DE010 3LSQCA30R 1MMS\_5000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1327000  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R55W2N902765DE010 3LSQCA30R 1MMS\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 90CRI ,  
3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

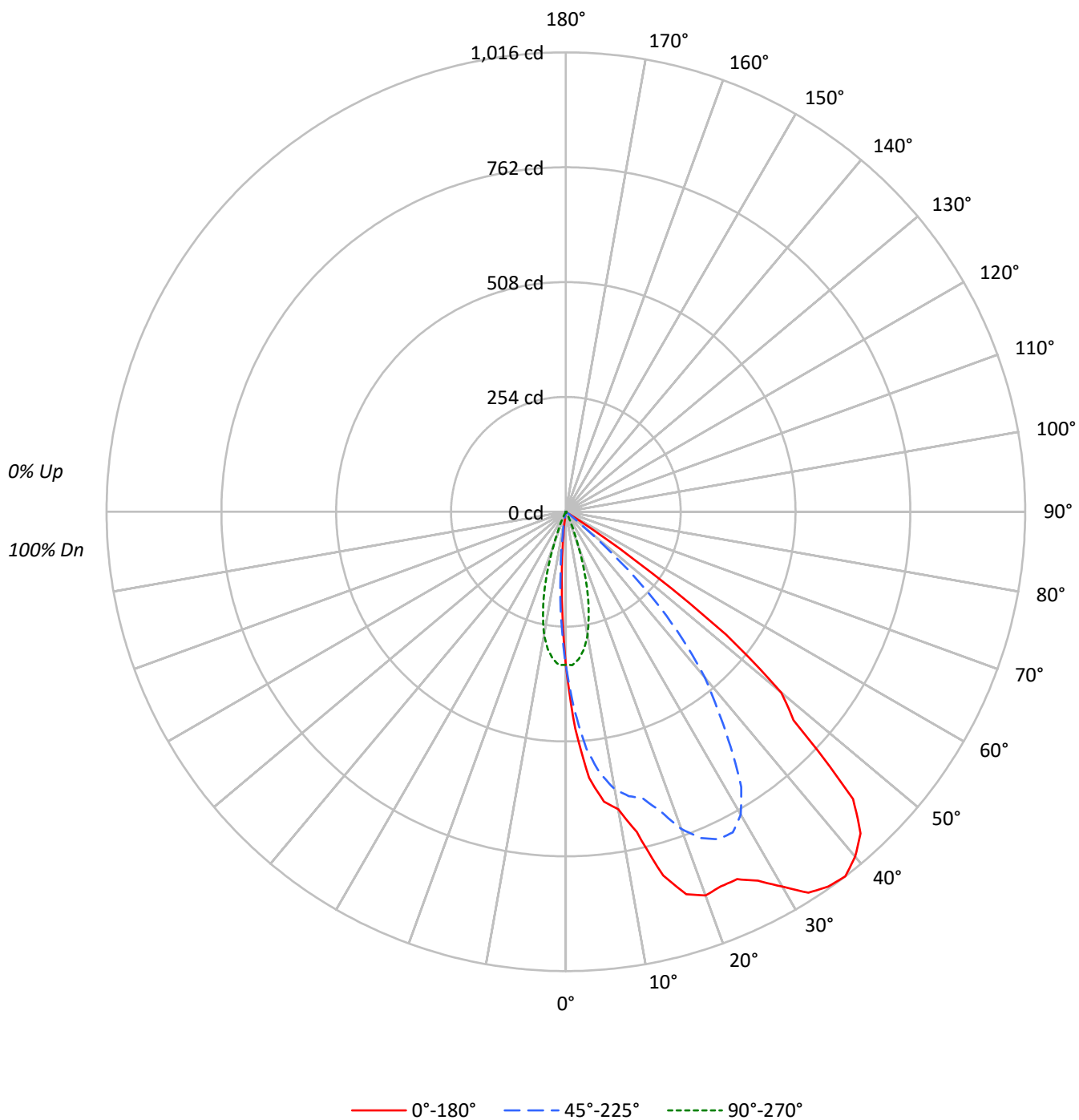
Lumens per Lamp: N/A  
Luminaire Lumens: 626.0 lumens  
Efficiency: N/A  
Efficacy: 69.6 lumens/watt  
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 9  
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: P1327000

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |     |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 97  | 96  | 96  | 94  | 93  | 91  |    |    |
| 2   | 105 | 99  | 95  | 90  | 103 | 98  | 93  | 89  | 94  | 91  | 87  | 91  | 88  | 86  | 88  | 86  | 84  | 82  |    |    |
| 3   | 98  | 90  | 84  | 80  | 96  | 89  | 83  | 79  | 86  | 82  | 78  | 84  | 80  | 76  | 81  | 78  | 75  | 73  |    |    |
| 4   | 92  | 82  | 76  | 71  | 90  | 81  | 75  | 70  | 79  | 74  | 69  | 77  | 72  | 68  | 75  | 71  | 68  | 66  |    |    |
| 5   | 86  | 75  | 68  | 63  | 84  | 74  | 68  | 63  | 72  | 67  | 62  | 71  | 65  | 61  | 69  | 64  | 61  | 59  |    |    |
| 6   | 80  | 69  | 62  | 56  | 78  | 68  | 61  | 56  | 66  | 60  | 56  | 65  | 60  | 55  | 64  | 59  | 55  | 53  |    |    |
| 7   | 75  | 63  | 56  | 51  | 73  | 63  | 56  | 51  | 61  | 55  | 50  | 60  | 54  | 50  | 59  | 54  | 50  | 48  |    |    |
| 8   | 70  | 58  | 51  | 46  | 68  | 58  | 51  | 46  | 56  | 50  | 46  | 55  | 50  | 46  | 54  | 49  | 45  | 44  |    |    |
| 9   | 66  | 54  | 47  | 42  | 64  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 50  | 45  | 41  | 40  |    |    |
| 10  | 62  | 50  | 43  | 38  | 60  | 49  | 43  | 38  | 49  | 42  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 36  |    |    |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°     | 45°    | 90°   | 135°  | 180°  |
|-----|--------|--------|-------|-------|-------|
| 0°  | 58263  | 58263  | 58263 | 58263 | 58263 |
| 5°  | 102103 | 91022  | 56549 | 23494 | 13519 |
| 10° | 116872 | 108950 | 48354 | 2571  | 927   |
| 15° | 148522 | 116946 | 33146 | 517   | 321   |
| 20° | 165498 | 136815 | 14552 | 0     | 0     |
| 25° | 170359 | 151812 | 4143  | 0     | 0     |
| 30° | 190334 | 153842 | 577   | 0     | 0     |
| 35° | 212726 | 133569 | 0     | 0     | 0     |
| 40° | 223787 | 107532 | 0     | 0     | 0     |
| 45° | 218790 | 67904  | 0     | 0     | 0     |
| 50° | 166599 | 13879  | 0     | 0     | 0     |
| 55° | 54587  | 0      | 0     | 0     | 0     |
| 60° | 0      | 0      | 0     | 0     | 0     |
| 65° | 0      | 245    | 245   | 0     | 0     |
| 70° | 0      | 302    | 302   | 0     | 0     |
| 75° | 0      | 399    | 399   | 0     | 0     |
| 80° | 0      | 595    | 1190  | 595   | 0     |
| 85° | 0      | 1186   | 1186  | 1186  | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 218790 cd/sqm

TEST NUMBER: P1327000

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 30.9   | 4.9       |
| 10°-20°   | 90.6   | 14.5      |
| 20°-30°   | 147.3  | 23.5      |
| 30°-40°   | 175.1  | 28.0      |
| 40°-50°   | 143.2  | 22.9      |
| 50°-60°   | 37.9   | 6.1       |
| 60°-70°   | 0.2    | 0.0       |
| 70°-80°   | 0.4    | 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°    | 268.8  | 42.9      |
| 0°-40°    | 443.8  | 70.9      |
| 0°-60°    | 624.9  | 99.8      |
| 0°-90°    | 626.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 626.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 338  | 338 | 338 | 338  | 338  |      |
| 5°  | 591  | 526 | 327 | 136  | 78   | 58   |
| 15° | 833  | 656 | 186 | 3    | 2    | 233  |
| 25° | 896  | 799 | 22  | 0    | 0    | 422  |
| 35° | 1012 | 635 | 0   | 0    | 0    | 629  |
| 45° | 898  | 279 | 0   | 0    | 0    | 645  |
| 55° | 182  | 0   | 0   | 0    | 0    | 204  |
| 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 67.5° |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 338.3  | 338.3  | 338.3  | 338.3  | 338.3 | 338.3 | 338.3 | 338.3 | 338.3 | 338.3 | 338.3 |
| 2.5°  | 480.0  | 476.5  | 477.1  | 475.3  | 477.1 | 469.5 | 461.2 | 453.6 | 447.7 | 439.4 | 389.4 |
| 5°    | 590.6  | 584.8  | 583.0  | 580.6  | 578.3 | 568.9 | 561.2 | 551.8 | 540.6 | 526.5 | 434.7 |
| 7.5°  | 646.5  | 641.8  | 639.5  | 640.6  | 635.3 | 631.8 | 621.8 | 611.2 | 599.5 | 584.2 | 468.9 |
| 10°   | 668.3  | 663.6  | 663.0  | 662.4  | 661.8 | 659.5 | 654.8 | 645.3 | 634.8 | 623.0 | 488.3 |
| 12.5° | 725.4  | 714.8  | 707.7  | 699.5  | 689.5 | 676.5 | 665.9 | 657.7 | 653.6 | 644.2 | 497.1 |
| 15°   | 833.0  | 823.0  | 815.4  | 804.8  | 785.9 | 758.3 | 733.0 | 700.6 | 672.4 | 655.9 | 493.6 |
| 17.5° | 887.1  | 882.4  | 876.0  | 868.9  | 856.0 | 836.0 | 810.1 | 775.9 | 740.1 | 693.6 | 476.5 |
| 20°   | 903.0  | 900.7  | 896.0  | 893.0  | 884.2 | 870.1 | 852.4 | 826.0 | 792.4 | 746.5 | 450.0 |
| 22.5° | 896.5  | 898.3  | 900.7  | 908.3  | 909.5 | 899.5 | 883.0 | 857.7 | 823.6 | 781.2 | 409.4 |
| 25°   | 896.5  | 895.4  | 895.4  | 911.3  | 921.3 | 916.5 | 904.8 | 881.8 | 847.1 | 798.9 | 359.4 |
| 27.5° | 919.5  | 912.4  | 897.7  | 914.2  | 930.7 | 928.9 | 918.3 | 891.2 | 852.4 | 799.5 | 298.3 |
| 30°   | 957.1  | 941.8  | 917.7  | 933.0  | 948.3 | 941.8 | 924.8 | 890.1 | 840.7 | 773.6 | 223.5 |
| 32.5° | 998.9  | 991.8  | 979.5  | 989.5  | 987.1 | 961.3 | 930.7 | 882.4 | 816.5 | 721.8 | 150.6 |
| 35°   | 1011.8 | 1013.0 | 1004.8 | 1003.0 | 989.5 | 963.0 | 930.7 | 860.7 | 765.9 | 635.3 | 89.4  |
| 37.5° | 1016.0 | 1016.6 | 1003.6 | 987.1  | 967.1 | 936.0 | 897.1 | 815.9 | 672.4 | 551.8 | 47.7  |
| 40°   | 995.4  | 994.8  | 973.6  | 953.6  | 931.3 | 900.7 | 844.2 | 721.8 | 583.6 | 478.3 | 17.1  |
| 42.5° | 964.8  | 957.1  | 937.1  | 912.4  | 885.4 | 847.1 | 758.9 | 609.5 | 507.1 | 383.0 | 1.2   |
| 45°   | 898.3  | 891.2  | 875.4  | 848.9  | 818.9 | 764.8 | 625.3 | 523.6 | 412.4 | 278.8 | 0.0   |
| 47.5° | 683.0  | 679.5  | 695.9  | 699.5  | 698.9 | 637.1 | 521.8 | 427.1 | 303.0 | 162.4 | 0.0   |
| 50°   | 621.8  | 617.1  | 600.6  | 579.5  | 541.8 | 490.0 | 418.3 | 316.5 | 177.7 | 51.8  | 0.0   |
| 52.5° | 446.5  | 461.8  | 465.3  | 449.4  | 414.2 | 363.0 | 288.3 | 182.4 | 61.8  | 0.0   | 0.0   |
| 55°   | 181.8  | 172.4  | 179.4  | 188.3  | 195.3 | 179.4 | 133.0 | 64.7  | 0.6   | 0.0   | 0.0   |
| 57.5° | 0.0    | 0.6    | 3.5    | 8.2    | 13.5  | 17.1  | 18.2  | 1.2   | 0.0   | 0.0   | 0.0   |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.6   |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.6   | 0.6   |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.6   | 0.0   | 0.6   | 0.6   | 0.6   |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.6   | 0.6   | 0.6   |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.6   | 0.6   | 0.6   | 0.6   |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.6   | 0.6   | 0.6   |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.6   | 0.6   | 0.6   | 0.6   |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.6   | 0.6   | 0.6   | 0.6   | 1.2   |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.6   | 0.6   | 0.6   | 0.6   | 1.2   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.6   | 0.6   | 0.6   | 0.6   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.6   | 0.6   | 0.6   | 0.6   |
| 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):**

|       | 90°   | 112.5° | 135°  | 157.5° | 180°  |
|-------|-------|--------|-------|--------|-------|
| 0°    | 338.3 | 338.3  | 338.3 | 338.3  | 338.3 |
| 2.5°  | 339.4 | 287.1  | 236.5 | 208.8  | 195.3 |
| 5°    | 327.1 | 219.4  | 135.9 | 94.1   | 78.2  |
| 7.5°  | 306.5 | 150.6  | 54.1  | 22.4   | 15.9  |
| 10°   | 276.5 | 86.5   | 14.7  | 5.9    | 5.3   |
| 12.5° | 233.5 | 39.4   | 5.3   | 4.1    | 4.1   |
| 15°   | 185.9 | 13.5   | 2.9   | 2.4    | 1.8   |
| 17.5° | 130.6 | 3.5    | 1.2   | 0.0    | 0.0   |
| 20°   | 79.4  | 0.6    | 0.0   | 0.0    | 0.0   |
| 22.5° | 44.1  | 0.0    | 0.0   | 0.0    | 0.0   |
| 25°   | 21.8  | 0.0    | 0.0   | 0.0    | 0.0   |
| 27.5° | 9.4   | 0.0    | 0.0   | 0.0    | 0.0   |
| 30°   | 2.9   | 0.0    | 0.0   | 0.0    | 0.0   |
| 32.5° | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 35°   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 37.5° | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 40°   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 42.5° | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 45°   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 47.5° | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 50°   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 52.5° | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 55°   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 57.5° | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 60°   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 62.5° | 0.6   | 0.0    | 0.0   | 0.0    | 0.0   |
| 65°   | 0.6   | 0.6    | 0.0   | 0.0    | 0.0   |
| 67.5° | 0.6   | 0.6    | 0.0   | 0.0    | 0.0   |
| 70°   | 0.6   | 0.6    | 0.0   | 0.0    | 0.0   |
| 72.5° | 0.6   | 0.6    | 0.0   | 0.0    | 0.0   |
| 75°   | 0.6   | 0.6    | 0.0   | 0.0    | 0.0   |
| 77.5° | 1.2   | 0.6    | 0.6   | 0.0    | 0.0   |
| 80°   | 1.2   | 0.6    | 0.6   | 0.0    | 0.0   |
| 82.5° | 1.2   | 0.6    | 0.6   | 0.0    | 0.0   |
| 85°   | 0.6   | 0.6    | 0.6   | 0.0    | 0.0   |
| 87.5° | 1.2   | 0.6    | 0.6   | 0.0    | 0.0   |
| 90°   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |

(END OF REPORT)