

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: IRiS

Report Number: P1305650

Luminaire Tested: P3SQASS05R559024DE010 E3SQCA301MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305650  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQASS05R559024DE010 E3SQCA301MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

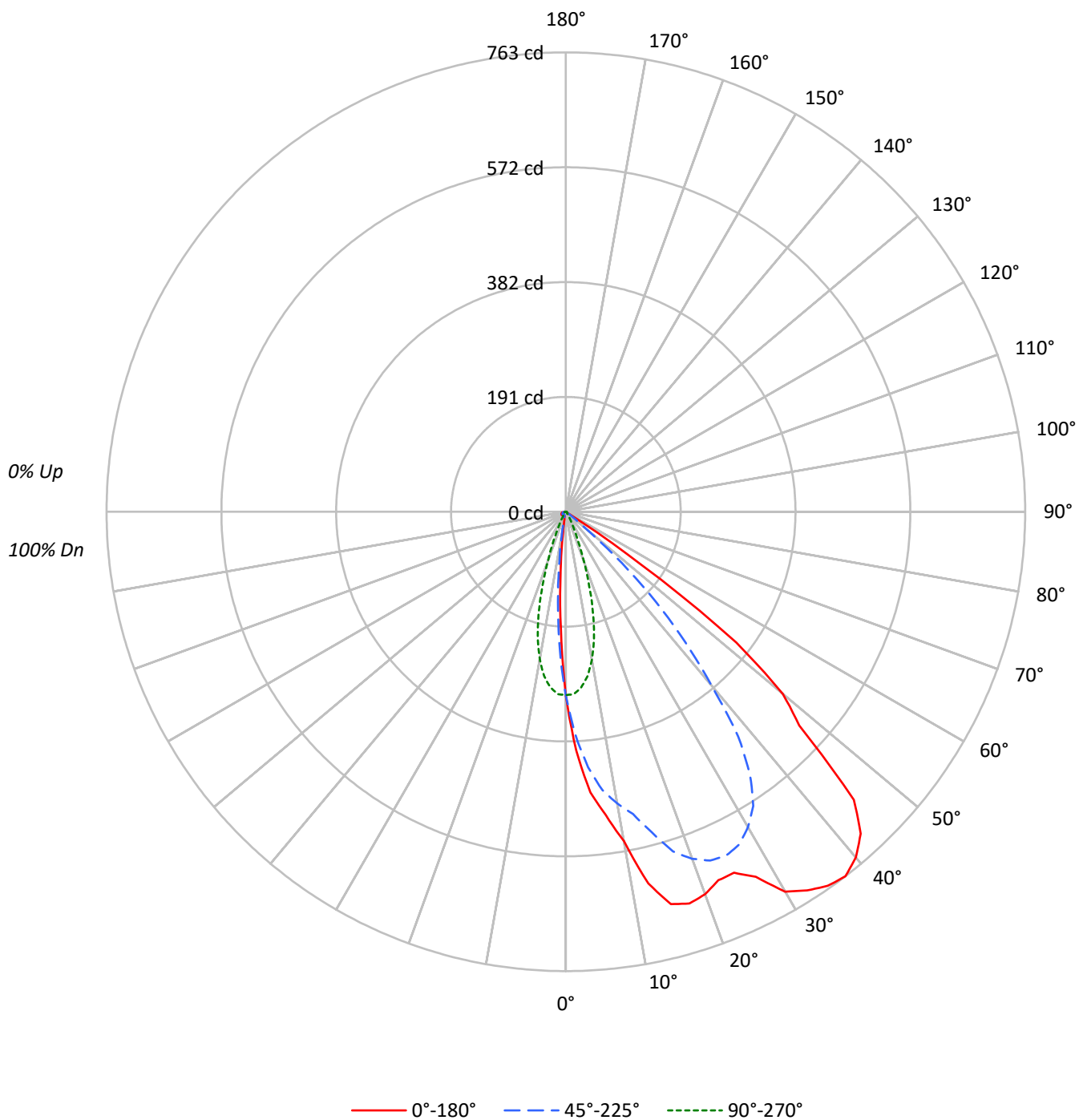
Lumens per Lamp: N/A  
Luminaire Lumens: 508.0 lumens  
Efficiency: N/A  
Efficacy: 70.6 lumens/watt  
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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

TEST NUMBER: P1305650

CATALOG NUMBER: P3SQASS05R559024DE010 E3SQCA301MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1305650

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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 | 102 | 102 | 100 |
| 1   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 98  | 99  | 97  | 95  | 95  | 94  | 93  | 93  | 93  | 91  |
| 2   | 105 | 99  | 94  | 90  | 103 | 97  | 93  | 89  | 94  | 90  | 87  | 91  | 88  | 85  | 88  | 86  | 83  | 83  | 83  | 81  |
| 3   | 98  | 90  | 84  | 79  | 96  | 89  | 83  | 79  | 86  | 81  | 77  | 83  | 79  | 76  | 81  | 78  | 75  | 75  | 75  | 73  |
| 4   | 91  | 82  | 75  | 70  | 89  | 81  | 75  | 70  | 79  | 73  | 69  | 77  | 72  | 68  | 75  | 71  | 67  | 67  | 67  | 65  |
| 5   | 85  | 75  | 68  | 63  | 84  | 74  | 67  | 62  | 72  | 66  | 62  | 70  | 65  | 61  | 69  | 64  | 61  | 61  | 61  | 59  |
| 6   | 80  | 69  | 62  | 56  | 78  | 68  | 61  | 56  | 66  | 60  | 56  | 65  | 59  | 55  | 63  | 59  | 55  | 55  | 55  | 53  |
| 7   | 75  | 63  | 56  | 51  | 73  | 63  | 56  | 51  | 61  | 55  | 50  | 60  | 54  | 50  | 59  | 54  | 50  | 50  | 50  | 48  |
| 8   | 70  | 58  | 51  | 46  | 68  | 58  | 51  | 46  | 57  | 50  | 46  | 55  | 50  | 46  | 54  | 49  | 45  | 45  | 45  | 44  |
| 9   | 66  | 54  | 47  | 42  | 64  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 50  | 45  | 41  | 41  | 41  | 40  |
| 10  | 62  | 50  | 43  | 39  | 61  | 50  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 38  | 38  | 37  |

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

|     | 0°     | 45°    | 90°   | 135°  | 180°  |
|-----|--------|--------|-------|-------|-------|
| 0°  | 52442  | 52442  | 52442 | 52442 | 52442 |
| 5°  | 80856  | 73613  | 50654 | 26019 | 17081 |
| 10° | 97163  | 86041  | 43597 | 6558  | 2623  |
| 15° | 120298 | 98260  | 31149 | 1801  | 1409  |
| 20° | 123894 | 112421 | 16092 | 1210  | 1210  |
| 25° | 125703 | 119736 | 6461  | 1083  | 1254  |
| 30° | 144874 | 120314 | 2804  | 1134  | 1313  |
| 35° | 159471 | 112166 | 1198  | 1198  | 1493  |
| 40° | 168458 | 84420  | 697   | 1394  | 1596  |
| 45° | 164768 | 51586  | 633   | 1510  | 1924  |
| 50° | 126035 | 10985  | 697   | 1768  | 2251  |
| 55° | 46240  | 390    | 781   | 1982  | 2522  |
| 60° | 448    | 448    | 896   | 2273  | 2893  |
| 65° | 530    | 530    | 1060  | 2323  | 3056  |
| 70° | 453    | 655    | 1108  | 2669  | 3575  |
| 75° | 266    | 599    | 1198  | 2928  | 4126  |
| 80° | 397    | 893    | 1289  | 3075  | 4364  |
| 85° | 0      | 790    | 1778  | 3557  | 4347  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 164768 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 26.8   | 5.3       |
| 10°-20°   | 76.8   | 15.1      |
| 20°-30°   | 117.8  | 23.2      |
| 30°-40°   | 137.2  | 27.0      |
| 40°-50°   | 109.6  | 21.6      |
| 50°-60°   | 32.4   | 6.4       |
| 60°-70°   | 3.5    | 0.7       |
| 70°-80°   | 2.7    | 0.5       |
| 80°-90°   | 1.2    | 0.2       |
| 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°    | 221.3  | 43.6      |
| 0°-40°    | 358.5  | 70.6      |
| 0°-60°    | 500.6  | 98.6      |
| 0°-90°    | 508.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 508.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 304 | 304 | 304 | 304  | 304  |      |
| 5°  | 468 | 426 | 293 | 150  | 99   | 47   |
| 15° | 675 | 551 | 175 | 10   | 8    | 186  |
| 25° | 662 | 630 | 34  | 6    | 7    | 314  |
| 35° | 758 | 534 | 6   | 6    | 7    | 472  |
| 45° | 676 | 212 | 3   | 6    | 8    | 488  |
| 55° | 154 | 1   | 3   | 7    | 8    | 163  |
| 65° | 1   | 1   | 3   | 6    | 8    | 1    |
| 75° | 0   | 1   | 2   | 4    | 6    | 1    |
| 85° | 0   | 0   | 1   | 2    | 2    | 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°    | 304.5 | 304.5 | 304.5 | 304.5 | 304.5 | 304.5 | 304.5 | 304.5 | 304.5 | 304.5 | 304.5 |
| 2.5°  | 397.1 | 397.1 | 395.8 | 396.3 | 395.4 | 390.5 | 389.6 | 383.5 | 378.2 | 372.4 | 367.6 |
| 5°    | 467.7 | 468.6 | 467.3 | 464.7 | 461.1 | 457.6 | 450.1 | 444.4 | 436.9 | 425.8 | 415.7 |
| 7.5°  | 507.9 | 507.0 | 504.8 | 503.9 | 501.7 | 497.8 | 492.5 | 486.3 | 477.5 | 466.4 | 454.5 |
| 10°   | 555.6 | 548.1 | 545.9 | 542.3 | 535.3 | 527.3 | 518.1 | 509.7 | 502.2 | 492.0 | 479.2 |
| 12.5° | 632.3 | 631.0 | 622.2 | 615.6 | 605.9 | 588.2 | 572.3 | 553.8 | 531.7 | 514.1 | 497.3 |
| 15°   | 674.7 | 675.6 | 671.6 | 666.3 | 660.1 | 645.6 | 629.7 | 608.1 | 582.0 | 551.1 | 523.8 |
| 17.5° | 682.2 | 683.5 | 681.3 | 679.1 | 677.4 | 669.0 | 659.3 | 643.8 | 620.0 | 591.3 | 550.7 |
| 20°   | 676.0 | 678.7 | 679.1 | 681.8 | 685.3 | 681.8 | 673.8 | 663.2 | 643.4 | 613.4 | 574.5 |
| 22.5° | 662.3 | 667.2 | 670.7 | 680.0 | 689.3 | 689.3 | 684.4 | 676.0 | 656.6 | 627.0 | 587.3 |
| 25°   | 661.5 | 662.3 | 663.7 | 678.7 | 693.2 | 696.3 | 691.9 | 683.1 | 661.9 | 630.1 | 586.9 |
| 27.5° | 683.5 | 677.8 | 669.0 | 684.0 | 701.2 | 703.8 | 697.7 | 685.7 | 660.6 | 623.1 | 571.9 |
| 30°   | 728.5 | 715.7 | 697.2 | 708.2 | 720.2 | 717.1 | 704.7 | 685.7 | 651.8 | 605.0 | 543.6 |
| 32.5° | 745.7 | 738.7 | 732.1 | 744.0 | 746.2 | 733.4 | 711.3 | 683.1 | 637.6 | 579.4 | 497.3 |
| 35°   | 758.5 | 759.0 | 756.3 | 758.5 | 748.0 | 729.9 | 705.6 | 668.5 | 611.2 | 533.5 | 436.0 |
| 37.5° | 763.0 | 763.8 | 758.1 | 750.2 | 734.3 | 713.5 | 684.4 | 642.1 | 567.0 | 470.4 | 343.3 |
| 40°   | 749.3 | 746.6 | 737.4 | 726.3 | 709.1 | 687.9 | 656.2 | 593.1 | 501.3 | 375.5 | 267.9 |
| 42.5° | 725.0 | 720.6 | 709.6 | 696.3 | 678.2 | 651.3 | 600.6 | 524.2 | 407.3 | 293.0 | 187.5 |
| 45°   | 676.5 | 673.4 | 659.7 | 650.0 | 628.4 | 593.5 | 528.2 | 432.0 | 315.1 | 211.8 | 108.6 |
| 47.5° | 525.6 | 526.0 | 536.6 | 541.4 | 533.9 | 506.1 | 429.4 | 328.3 | 229.9 | 126.2 | 36.6  |
| 50°   | 470.4 | 468.2 | 457.6 | 443.0 | 418.8 | 377.3 | 315.1 | 232.1 | 135.9 | 41.0  | 5.3   |
| 52.5° | 357.0 | 357.0 | 351.7 | 344.2 | 318.6 | 278.4 | 213.1 | 128.4 | 47.7  | 7.1   | 1.3   |
| 55°   | 154.0 | 146.1 | 150.5 | 158.9 | 152.2 | 132.4 | 99.7  | 38.4  | 8.4   | 1.3   | 1.3   |
| 57.5° | 2.2   | 5.3   | 7.9   | 12.8  | 17.2  | 20.7  | 11.0  | 4.0   | 1.3   | 1.3   | 1.3   |
| 60°   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   |
| 62.5° | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   |
| 65°   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   |
| 67.5° | 0.9   | 0.9   | 0.9   | 1.3   | 0.9   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   |
| 70°   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 1.3   | 1.3   |
| 72.5° | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   |
| 75°   | 0.4   | 0.4   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   |
| 77.5° | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   |
| 80°   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.9   | 0.9   | 0.9   |
| 82.5° | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.9   | 0.9   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   |
| 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°    | 304.5 | 304.5 | 304.5 | 304.5 | 304.5  | 304.5 | 304.5  | 304.5 |
| 2.5°  | 360.5 | 353.0 | 340.7 | 303.2 | 264.3  | 228.6 | 203.0  | 193.3 |
| 5°    | 404.2 | 390.5 | 369.8 | 293.0 | 215.8  | 150.5 | 113.4  | 98.8  |
| 7.5°  | 438.6 | 421.0 | 391.0 | 275.4 | 158.4  | 80.3  | 48.1   | 37.9  |
| 10°   | 461.6 | 442.2 | 402.9 | 249.3 | 105.0  | 37.5  | 18.1   | 15.0  |
| 12.5° | 478.3 | 454.1 | 407.3 | 215.8 | 61.8   | 17.2  | 9.7    | 8.8   |
| 15°   | 490.7 | 459.4 | 402.0 | 174.7 | 34.0   | 10.1  | 7.9    | 7.9   |
| 17.5° | 507.9 | 462.0 | 389.2 | 128.9 | 19.4   | 7.5   | 7.5    | 7.5   |
| 20°   | 521.1 | 462.0 | 364.9 | 87.8  | 11.9   | 6.6   | 6.6    | 6.6   |
| 22.5° | 527.8 | 455.0 | 335.4 | 55.6  | 8.4    | 6.2   | 6.6    | 6.6   |
| 25°   | 521.1 | 437.7 | 297.4 | 34.0  | 6.6    | 5.7   | 6.2    | 6.6   |
| 27.5° | 496.9 | 403.3 | 246.7 | 21.6  | 5.3    | 5.7   | 6.2    | 6.6   |
| 30°   | 456.3 | 353.5 | 189.3 | 14.1  | 4.9    | 5.7   | 6.2    | 6.6   |
| 32.5° | 398.9 | 279.3 | 122.7 | 9.3   | 4.4    | 5.7   | 6.2    | 6.6   |
| 35°   | 311.5 | 197.7 | 74.1  | 5.7   | 4.4    | 5.7   | 6.6    | 7.1   |
| 37.5° | 233.4 | 131.9 | 40.2  | 3.5   | 4.4    | 5.7   | 6.6    | 7.1   |
| 40°   | 161.9 | 76.8  | 17.2  | 3.1   | 4.4    | 6.2   | 7.1    | 7.1   |
| 42.5° | 94.0  | 30.4  | 4.4   | 2.6   | 4.4    | 6.2   | 7.1    | 7.5   |
| 45°   | 34.4  | 6.2   | 1.3   | 2.6   | 4.9    | 6.2   | 7.1    | 7.9   |
| 47.5° | 4.9   | 1.3   | 1.3   | 2.6   | 4.9    | 6.2   | 7.5    | 7.9   |
| 50°   | 1.3   | 1.3   | 1.3   | 2.6   | 4.9    | 6.6   | 7.9    | 8.4   |
| 52.5° | 1.3   | 1.3   | 1.3   | 2.6   | 4.9    | 6.6   | 7.9    | 8.4   |
| 55°   | 1.3   | 1.3   | 1.3   | 2.6   | 4.9    | 6.6   | 7.9    | 8.4   |
| 57.5° | 1.3   | 1.3   | 1.3   | 2.6   | 4.9    | 6.6   | 7.9    | 8.4   |
| 60°   | 1.3   | 1.3   | 1.3   | 2.6   | 4.4    | 6.6   | 7.9    | 8.4   |
| 62.5° | 1.3   | 1.3   | 1.3   | 2.6   | 4.4    | 6.2   | 7.5    | 7.9   |
| 65°   | 1.3   | 1.3   | 1.3   | 2.6   | 4.0    | 5.7   | 7.5    | 7.5   |
| 67.5° | 1.3   | 1.3   | 1.3   | 2.2   | 4.0    | 5.7   | 7.1    | 7.5   |
| 70°   | 1.3   | 1.3   | 1.3   | 2.2   | 3.5    | 5.3   | 6.6    | 7.1   |
| 72.5° | 1.3   | 1.3   | 1.3   | 1.8   | 3.1    | 4.9   | 6.2    | 6.6   |
| 75°   | 0.9   | 1.3   | 1.3   | 1.8   | 3.1    | 4.4   | 5.7    | 6.2   |
| 77.5° | 0.9   | 1.3   | 1.3   | 1.3   | 2.6    | 3.5   | 4.9    | 5.3   |
| 80°   | 0.9   | 0.9   | 1.3   | 1.3   | 2.2    | 3.1   | 4.0    | 4.4   |
| 82.5° | 0.9   | 0.9   | 0.9   | 1.3   | 1.8    | 2.2   | 3.1    | 3.1   |
| 85°   | 0.9   | 0.9   | 0.9   | 0.9   | 1.3    | 1.8   | 2.2    | 2.2   |
| 87.5° | 0.4   | 0.4   | 0.9   | 0.9   | 0.9    | 0.9   | 0.9    | 0.9   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |

(END OF REPORT)