

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: P1317768

Luminaire Tested: P3SQAS05R609835DE010 E3SQCA301MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317768  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R609835DE010 E3SQCA301MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 98CRI , E3SQCA301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

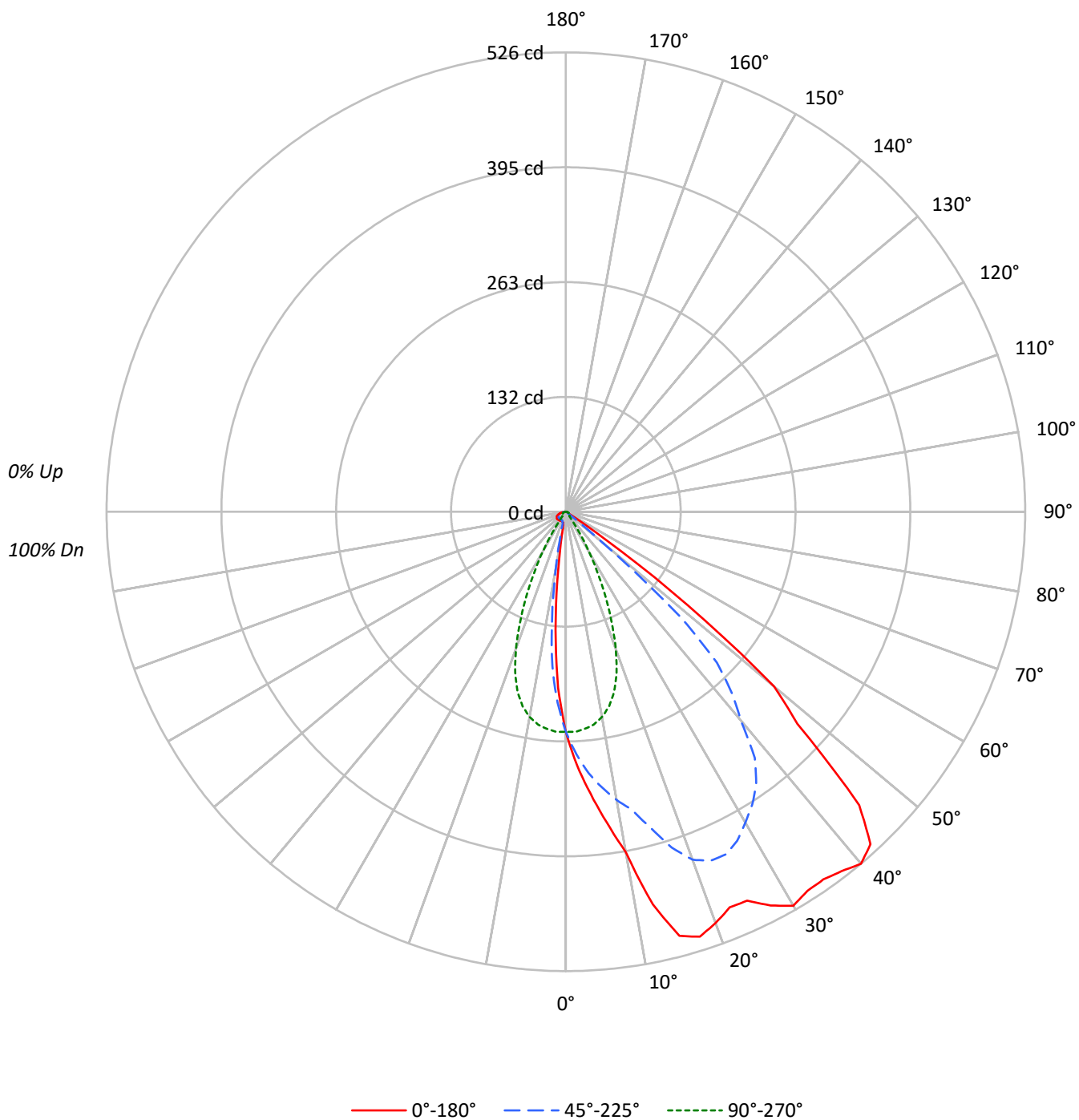
Lumens per Lamp: N/A  
Luminaire Lumens: 409.0 lumens  
Efficiency: N/A  
Efficacy: 56.8 lumens/watt  
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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: P1317768

CATALOG NUMBER: P3SQAS05R609835DE010 E3SQCA301MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1317768

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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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 |
| 1   | 112 | 109 | 106 | 103 | 109 | 106 | 104 | 101 | 102 | 100 | 98  | 99  | 97  | 95  | 95  | 94  | 92  | 90  | 90  |
| 2   | 105 | 99  | 94  | 89  | 102 | 97  | 92  | 88  | 94  | 90  | 86  | 90  | 87  | 85  | 88  | 85  | 83  | 81  | 81  |
| 3   | 98  | 90  | 84  | 79  | 96  | 88  | 83  | 78  | 85  | 81  | 77  | 83  | 79  | 75  | 81  | 77  | 74  | 72  | 72  |
| 4   | 91  | 82  | 75  | 70  | 89  | 80  | 74  | 69  | 78  | 73  | 68  | 76  | 71  | 67  | 74  | 70  | 67  | 65  | 65  |
| 5   | 85  | 75  | 67  | 62  | 83  | 74  | 67  | 62  | 72  | 66  | 61  | 70  | 65  | 61  | 68  | 64  | 60  | 58  | 58  |
| 6   | 79  | 68  | 61  | 56  | 78  | 67  | 61  | 55  | 66  | 60  | 55  | 64  | 59  | 55  | 63  | 58  | 54  | 52  | 52  |
| 7   | 74  | 63  | 55  | 50  | 73  | 62  | 55  | 50  | 61  | 54  | 50  | 59  | 54  | 49  | 58  | 53  | 49  | 47  | 47  |
| 8   | 70  | 58  | 51  | 46  | 68  | 57  | 50  | 45  | 56  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 43  | 43  |
| 9   | 65  | 54  | 46  | 42  | 64  | 53  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 45  | 41  | 39  | 39  |
| 10  | 61  | 50  | 43  | 38  | 60  | 49  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 47  | 41  | 38  | 36  | 36  |

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

|     | 0°     | 45°   | 90°   | 135°  | 180°  |
|-----|--------|-------|-------|-------|-------|
| 0°  | 43366  | 43366 | 43366 | 43366 | 43366 |
| 5°  | 56013  | 52002 | 43134 | 30704 | 23425 |
| 10° | 69217  | 58620 | 41726 | 11612 | 3445  |
| 15° | 89648  | 66719 | 38067 | 2550  | 2264  |
| 20° | 91858  | 77709 | 30644 | 2126  | 2199  |
| 25° | 93341  | 82263 | 20542 | 2052  | 2204  |
| 30° | 103589 | 81714 | 10600 | 2068  | 2307  |
| 35° | 108066 | 79893 | 2922  | 2187  | 2523  |
| 40° | 118233 | 70054 | 1394  | 2338  | 2788  |
| 45° | 115691 | 59526 | 1413  | 2533  | 3093  |
| 50° | 83380  | 14683 | 1554  | 2786  | 3403  |
| 55° | 16004  | 931   | 1621  | 3003  | 3813  |
| 60° | 792    | 930   | 1584  | 3203  | 4133  |
| 65° | 774    | 937   | 1589  | 3301  | 4401  |
| 70° | 755    | 957   | 1561  | 3323  | 4482  |
| 75° | 799    | 998   | 1530  | 3327  | 4658  |
| 80° | 397    | 1190  | 1488  | 3471  | 4562  |
| 85° | 790    | 790   | 1581  | 2964  | 4545  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 115691 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 21.9   | 5.4       |
| 10°-20°   | 60.4   | 14.8      |
| 20°-30°   | 93.0   | 22.7      |
| 30°-40°   | 109.2  | 26.7      |
| 40°-50°   | 87.5   | 21.4      |
| 50°-60°   | 27.2   | 6.6       |
| 60°-70°   | 5.1    | 1.3       |
| 70°-80°   | 3.4    | 0.8       |
| 80°-90°   | 1.2    | 0.3       |
| 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°    | 175.4  | 42.9      |
| 0°-40°    | 284.5  | 69.6      |
| 0°-60°    | 399.3  | 97.6      |
| 0°-90°    | 409.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 409.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 252 | 252 | 252 | 252  | 252  |      |
| 5°  | 324 | 301 | 250 | 178  | 136  | 33   |
| 15° | 503 | 374 | 214 | 14   | 13   | 138  |
| 25° | 491 | 433 | 108 | 11   | 12   | 232  |
| 35° | 514 | 380 | 14  | 10   | 12   | 325  |
| 45° | 475 | 244 | 6   | 10   | 13   | 340  |
| 55° | 53  | 3   | 5   | 10   | 13   | 84   |
| 65° | 2   | 2   | 4   | 8    | 11   | 2    |
| 75° | 1   | 2   | 2   | 5    | 7    | 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°    | 251.8 | 251.8 | 251.8 | 251.8 | 251.8 | 251.8 | 251.8 | 251.8 | 251.8 | 251.8 | 251.8 |
| 2.5°  | 290.4 | 287.3 | 287.3 | 286.1 | 285.0 | 285.4 | 282.3 | 283.4 | 280.3 | 278.0 | 276.1 |
| 5°    | 324.0 | 320.1 | 319.7 | 317.8 | 315.9 | 314.3 | 310.5 | 308.1 | 303.5 | 300.8 | 295.0 |
| 7.5°  | 358.7 | 355.6 | 353.7 | 351.4 | 347.9 | 344.1 | 337.5 | 333.2 | 325.9 | 318.6 | 311.2 |
| 10°   | 395.8 | 393.1 | 388.8 | 386.1 | 376.5 | 370.3 | 361.4 | 355.6 | 344.8 | 335.2 | 324.0 |
| 12.5° | 460.7 | 459.1 | 451.0 | 445.6 | 431.7 | 419.4 | 400.0 | 384.6 | 365.3 | 349.5 | 334.4 |
| 15°   | 502.8 | 500.8 | 496.6 | 491.6 | 482.7 | 468.8 | 451.4 | 429.8 | 402.8 | 374.2 | 348.7 |
| 17.5° | 510.1 | 510.5 | 507.8 | 506.6 | 500.8 | 492.0 | 478.0 | 461.8 | 434.8 | 403.1 | 368.4 |
| 20°   | 501.2 | 504.3 | 503.5 | 505.9 | 507.0 | 503.5 | 494.3 | 478.4 | 454.9 | 424.0 | 385.0 |
| 22.5° | 490.4 | 493.1 | 492.3 | 496.6 | 503.1 | 506.6 | 503.5 | 490.8 | 466.9 | 432.5 | 394.3 |
| 25°   | 491.2 | 493.1 | 487.3 | 490.0 | 498.5 | 507.0 | 507.4 | 496.2 | 470.3 | 432.9 | 393.5 |
| 27.5° | 508.2 | 502.4 | 489.2 | 488.1 | 498.5 | 509.3 | 510.1 | 496.2 | 465.3 | 424.8 | 385.8 |
| 30°   | 520.9 | 516.7 | 502.0 | 500.1 | 510.1 | 517.4 | 513.6 | 492.0 | 453.3 | 410.9 | 374.6 |
| 32.5° | 514.7 | 515.5 | 509.3 | 515.5 | 528.6 | 531.7 | 515.5 | 481.9 | 436.7 | 397.3 | 361.4 |
| 35°   | 514.0 | 517.1 | 520.5 | 530.2 | 539.1 | 531.7 | 505.9 | 463.0 | 419.0 | 380.0 | 341.0 |
| 37.5° | 518.6 | 523.6 | 528.6 | 537.1 | 537.1 | 518.2 | 480.4 | 439.0 | 397.7 | 355.3 | 298.5 |
| 40°   | 525.9 | 529.0 | 530.6 | 529.8 | 519.4 | 491.6 | 451.4 | 410.1 | 370.7 | 311.6 | 270.3 |
| 42.5° | 516.3 | 515.9 | 514.3 | 507.8 | 488.5 | 452.2 | 414.7 | 381.1 | 319.0 | 281.1 | 234.0 |
| 45°   | 475.0 | 475.0 | 470.7 | 460.3 | 442.5 | 412.4 | 379.2 | 330.2 | 290.8 | 244.4 | 173.8 |
| 47.5° | 359.5 | 356.8 | 361.4 | 367.6 | 367.6 | 364.9 | 334.8 | 292.3 | 252.2 | 176.5 | 55.6  |
| 50°   | 311.2 | 307.0 | 301.2 | 302.4 | 301.6 | 304.7 | 285.4 | 253.3 | 186.5 | 54.8  | 3.9   |
| 52.5° | 176.1 | 183.8 | 202.7 | 229.4 | 241.3 | 245.6 | 233.6 | 192.7 | 62.9  | 3.5   | 3.1   |
| 55°   | 53.3  | 54.8  | 62.2  | 76.5  | 103.9 | 132.8 | 134.8 | 62.6  | 4.2   | 3.1   | 3.1   |
| 57.5° | 2.3   | 2.3   | 3.1   | 4.6   | 10.8  | 16.2  | 17.4  | 3.9   | 2.7   | 3.1   | 3.1   |
| 60°   | 2.3   | 2.3   | 2.3   | 2.3   | 2.3   | 2.3   | 2.7   | 2.7   | 2.7   | 2.7   | 3.1   |
| 62.5° | 1.9   | 1.9   | 2.3   | 2.3   | 2.3   | 2.3   | 2.3   | 2.3   | 2.7   | 2.7   | 2.7   |
| 65°   | 1.9   | 1.9   | 1.9   | 1.9   | 1.9   | 1.9   | 2.3   | 2.3   | 2.3   | 2.3   | 2.7   |
| 67.5° | 1.5   | 1.5   | 1.5   | 1.9   | 1.9   | 1.9   | 1.9   | 1.9   | 2.3   | 2.3   | 2.3   |
| 70°   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.9   | 1.9   | 1.9   | 1.9   |
| 72.5° | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.9   |
| 75°   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.5   | 1.5   | 1.5   | 1.5   |
| 77.5° | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   |
| 80°   | 0.4   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   | 1.2   | 1.2   |
| 82.5° | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   |
| 85°   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.8   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.4   | 0.4   | 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°    | 251.8 | 251.8 | 251.8 | 251.8 | 251.8  | 251.8 | 251.8  | 251.8 |
| 2.5°  | 273.4 | 270.3 | 266.8 | 252.2 | 237.9  | 218.6 | 205.4  | 201.6 |
| 5°    | 290.0 | 285.0 | 277.3 | 249.5 | 215.9  | 177.6 | 146.7  | 135.5 |
| 7.5°  | 303.9 | 296.2 | 285.4 | 245.6 | 189.6  | 120.5 | 77.6   | 65.6  |
| 10°   | 313.9 | 304.3 | 290.4 | 238.6 | 154.8  | 66.4  | 26.3   | 19.7  |
| 12.5° | 322.4 | 309.7 | 293.1 | 228.2 | 112.8  | 27.0  | 13.5   | 13.5  |
| 15°   | 328.2 | 312.8 | 294.2 | 213.5 | 73.0   | 14.3  | 12.7   | 12.7  |
| 17.5° | 336.3 | 316.3 | 294.2 | 193.1 | 39.8   | 12.4  | 12.4   | 12.4  |
| 20°   | 349.5 | 319.7 | 290.0 | 167.2 | 22.0   | 11.6  | 12.0   | 12.0  |
| 22.5° | 356.4 | 324.7 | 284.6 | 137.1 | 13.9   | 11.2  | 11.6   | 11.6  |
| 25°   | 358.0 | 324.0 | 273.0 | 108.1 | 11.2   | 10.8  | 11.2   | 11.6  |
| 27.5° | 352.6 | 318.6 | 257.6 | 78.8  | 10.0   | 10.4  | 11.2   | 11.6  |
| 30°   | 342.9 | 305.4 | 232.8 | 53.3  | 9.3    | 10.4  | 11.2   | 11.6  |
| 32.5° | 324.7 | 273.8 | 203.9 | 32.1  | 8.9    | 10.4  | 11.2   | 12.0  |
| 35°   | 284.2 | 240.6 | 170.7 | 13.9  | 8.5    | 10.4  | 11.6   | 12.0  |
| 37.5° | 254.9 | 207.4 | 132.1 | 7.0   | 8.5    | 10.4  | 11.6   | 12.4  |
| 40°   | 222.4 | 166.8 | 61.0  | 6.2   | 8.5    | 10.4  | 11.6   | 12.4  |
| 42.5° | 169.5 | 77.2  | 7.3   | 6.2   | 8.1    | 10.4  | 12.0   | 12.4  |
| 45°   | 61.8  | 8.1   | 3.9   | 5.8   | 8.1    | 10.4  | 12.0   | 12.7  |
| 47.5° | 4.6   | 3.1   | 3.5   | 5.8   | 8.1    | 10.4  | 12.0   | 12.7  |
| 50°   | 3.1   | 3.1   | 3.5   | 5.8   | 8.1    | 10.4  | 12.0   | 12.7  |
| 52.5° | 3.1   | 3.5   | 3.5   | 5.4   | 7.7    | 10.4  | 12.0   | 12.7  |
| 55°   | 3.1   | 3.5   | 3.5   | 5.4   | 7.7    | 10.0  | 12.0   | 12.7  |
| 57.5° | 3.1   | 3.1   | 3.5   | 5.0   | 7.3    | 9.7   | 12.0   | 12.4  |
| 60°   | 3.1   | 3.1   | 3.5   | 4.6   | 7.0    | 9.3   | 11.2   | 12.0  |
| 62.5° | 3.1   | 3.1   | 3.1   | 4.2   | 6.6    | 8.9   | 10.8   | 11.6  |
| 65°   | 2.7   | 2.7   | 3.1   | 3.9   | 5.8    | 8.1   | 10.0   | 10.8  |
| 67.5° | 2.3   | 2.7   | 2.7   | 3.5   | 5.4    | 7.3   | 9.3    | 10.0  |
| 70°   | 2.3   | 2.3   | 2.3   | 3.1   | 4.6    | 6.6   | 8.5    | 8.9   |
| 72.5° | 1.9   | 1.9   | 2.3   | 2.7   | 4.2    | 5.8   | 7.7    | 8.1   |
| 75°   | 1.5   | 1.9   | 1.9   | 2.3   | 3.5    | 5.0   | 6.6    | 7.0   |
| 77.5° | 1.5   | 1.5   | 1.5   | 1.9   | 3.1    | 4.2   | 5.4    | 5.8   |
| 80°   | 1.2   | 1.2   | 1.2   | 1.5   | 2.3    | 3.5   | 4.2    | 4.6   |
| 82.5° | 0.8   | 1.2   | 1.2   | 1.2   | 1.9    | 2.3   | 3.1    | 3.5   |
| 85°   | 0.8   | 0.8   | 0.8   | 0.8   | 1.2    | 1.5   | 1.9    | 2.3   |
| 87.5° | 0.4   | 0.4   | 0.8   | 0.8   | 0.8    | 0.8   | 0.8    | 1.2   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |

(END OF REPORT)