

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: P1321035

Luminaire Tested: LDSQA3D02R55B2750DE010 3LSQCA30R 1MB\_2700K

Issue Date: 1/29/2026

**Test Information**

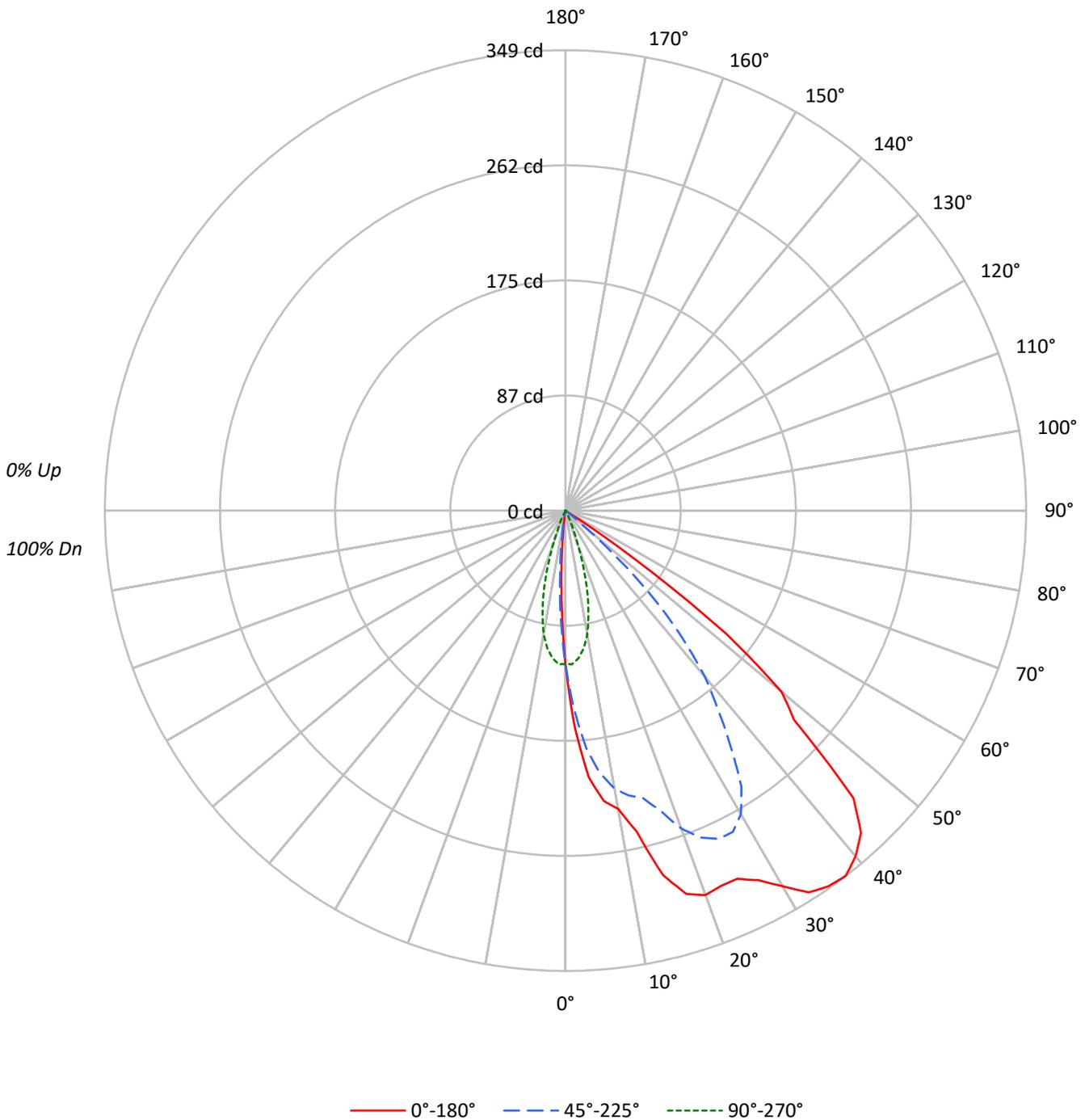
Test Method: LM-79-2019  
Report Number: P1321035  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R55B2750DE010 3LSQCA30R 1MB\_2700K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 215.0 lumens  
Efficiency: N/A  
Efficacy: 74.1 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): 2.9  
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

TEST NUMBER: P1321035  
CATALOG NUMBER: LDSQA3D02R55B2750DE010 3LSQA30R 1MB\_2700K

### Luminous Intensity Polar Plot





TEST NUMBER: P1321035

CATALOG NUMBER: LDSQA3D02R55B2750DE010 3LSQCA30R 1MB\_2700K

**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 | 99  | 95  | 90  | 103 | 98  | 93  | 89  | 94  | 91  | 87  | 91  | 88  | 86  | 88  | 86  | 84  | 88  | 86  | 84  | 82  |
| 3   | 98  | 91  | 84  | 80  | 96  | 89  | 83  | 79  | 86  | 82  | 78  | 84  | 80  | 76  | 81  | 78  | 75  | 81  | 78  | 75  | 73  |
| 4   | 92  | 82  | 76  | 71  | 90  | 81  | 75  | 70  | 79  | 74  | 69  | 77  | 72  | 68  | 75  | 71  | 68  | 75  | 71  | 68  | 66  |
| 5   | 86  | 75  | 68  | 63  | 84  | 74  | 68  | 63  | 72  | 67  | 62  | 71  | 65  | 61  | 69  | 64  | 61  | 69  | 64  | 61  | 59  |
| 6   | 80  | 69  | 62  | 56  | 78  | 68  | 61  | 56  | 66  | 60  | 56  | 65  | 60  | 55  | 64  | 59  | 55  | 64  | 59  | 55  | 53  |
| 7   | 75  | 63  | 56  | 51  | 73  | 63  | 56  | 51  | 61  | 55  | 50  | 60  | 54  | 50  | 59  | 54  | 50  | 59  | 54  | 50  | 48  |
| 8   | 70  | 58  | 51  | 46  | 68  | 58  | 51  | 46  | 56  | 50  | 46  | 55  | 50  | 46  | 54  | 49  | 45  | 54  | 49  | 45  | 44  |
| 9   | 66  | 54  | 47  | 42  | 64  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 50  | 45  | 41  | 50  | 45  | 41  | 40  |
| 10  | 62  | 50  | 43  | 38  | 60  | 49  | 43  | 38  | 49  | 42  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 47  | 42  | 38  | 36  |

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

|     | 0°    | 45°   | 90°   | 135°  | 180°  |
|-----|-------|-------|-------|-------|-------|
| 0°  | 20012 | 20012 | 20012 | 20012 | 20012 |
| 5°  | 35077 | 31257 | 19414 | 8074  | 4650  |
| 10° | 40135 | 37424 | 16614 | 892   | 315   |
| 15° | 51011 | 40171 | 11375 | 178   | 107   |
| 20° | 56834 | 46992 | 5003  | 0     | 0     |
| 25° | 58509 | 52143 | 1425  | 0     | 0     |
| 30° | 65367 | 52839 | 199   | 0     | 0     |
| 35° | 73060 | 45875 | 0     | 0     | 0     |
| 40° | 76866 | 36938 | 0     | 0     | 0     |
| 45° | 75138 | 23333 | 0     | 0     | 0     |
| 50° | 57230 | 4769  | 0     | 0     | 0     |
| 55° | 18736 | 0     | 0     | 0     | 0     |
| 60° | 0     | 0     | 0     | 0     | 0     |
| 65° | 0     | 82    | 82    | 0     | 0     |
| 70° | 0     | 101   | 101   | 0     | 0     |
| 75° | 0     | 133   | 133   | 0     | 0     |
| 80° | 0     | 198   | 397   | 198   | 0     |
| 85° | 0     | 395   | 395   | 395   | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 75138 cd/sqm



TEST NUMBER: P1321035

CATALOG NUMBER: LDSQA3D02R55B2750DE010 3LSQCA30R 1MB\_2700K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 10.6   | 4.9       |
| 10°-20°   | 31.1   | 14.5      |
| 20°-30°   | 50.6   | 23.5      |
| 30°-40°   | 60.1   | 28.0      |
| 40°-50°   | 49.2   | 22.9      |
| 50°-60°   | 13.0   | 6.1       |
| 60°-70°   | 0.1    | 0.0       |
| 70°-80°   | 0.1    | 0.1       |
| 80°-90°   | 0.2    | 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°    | 92.3   | 42.9      |
| 0°-40°    | 152.4  | 70.9      |
| 0°-60°    | 214.6  | 99.8      |
| 0°-90°    | 215.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 215.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 116 | 116 | 116 | 116  | 116  |      |
| 5°  | 203 | 181 | 112 | 47   | 27   | 20   |
| 15° | 286 | 225 | 64  | 1    | 1    | 80   |
| 25° | 308 | 274 | 8   | 0    | 0    | 145  |
| 35° | 348 | 218 | 0   | 0    | 0    | 216  |
| 45° | 308 | 96  | 0   | 0    | 0    | 221  |
| 55° | 62  | 0   | 0   | 0    | 0    | 70   |
| 65° | 0   | 0   | 0   | 0    | 0    | 0    |
| 75° | 0   | 0   | 0   | 0    | 0    | 0    |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |



TEST NUMBER: P1321035  
 CATALOG NUMBER: LDSQA3D02R55B2750DE010 3LSQCA30R 1MB\_2700K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 67.5° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 116.2 | 116.2 | 116.2 | 116.2 | 116.2 | 116.2 | 116.2 | 116.2 | 116.2 | 116.2 | 116.2 |
| 2.5°  | 164.9 | 163.7 | 163.9 | 163.3 | 163.9 | 161.2 | 158.4 | 155.8 | 153.8 | 150.9 | 133.8 |
| 5°    | 202.9 | 200.8 | 200.2 | 199.4 | 198.6 | 195.4 | 192.8 | 189.5 | 185.7 | 180.8 | 149.3 |
| 7.5°  | 222.0 | 220.4 | 219.6 | 220.0 | 218.2 | 217.0 | 213.6 | 209.9 | 205.9 | 200.6 | 161.0 |
| 10°   | 229.5 | 227.9 | 227.7 | 227.5 | 227.3 | 226.5 | 224.9 | 221.6 | 218.0 | 214.0 | 167.7 |
| 12.5° | 249.1 | 245.5 | 243.1 | 240.2 | 236.8 | 232.4 | 228.7 | 225.9 | 224.5 | 221.2 | 170.7 |
| 15°   | 286.1 | 282.7 | 280.0 | 276.4 | 269.9 | 260.4 | 251.7 | 240.6 | 230.9 | 225.3 | 169.5 |
| 17.5° | 304.7 | 303.1 | 300.8 | 298.4 | 294.0 | 287.1 | 278.2 | 266.5 | 254.2 | 238.2 | 163.7 |
| 20°   | 310.1 | 309.3 | 307.7 | 306.7 | 303.7 | 298.8 | 292.8 | 283.7 | 272.2 | 256.4 | 154.6 |
| 22.5° | 307.9 | 308.5 | 309.3 | 312.0 | 312.4 | 308.9 | 303.3 | 294.6 | 282.9 | 268.3 | 140.6 |
| 25°   | 307.9 | 307.5 | 307.5 | 313.0 | 316.4 | 314.8 | 310.7 | 302.9 | 290.9 | 274.4 | 123.5 |
| 27.5° | 315.8 | 313.4 | 308.3 | 314.0 | 319.6 | 319.0 | 315.4 | 306.1 | 292.8 | 274.6 | 102.4 |
| 30°   | 328.7 | 323.5 | 315.2 | 320.4 | 325.7 | 323.5 | 317.6 | 305.7 | 288.7 | 265.7 | 76.8  |
| 32.5° | 343.1 | 340.7 | 336.4 | 339.8 | 339.0 | 330.1 | 319.6 | 303.1 | 280.4 | 247.9 | 51.7  |
| 35°   | 347.5 | 347.9 | 345.1 | 344.5 | 339.8 | 330.7 | 319.6 | 295.6 | 263.1 | 218.2 | 30.7  |
| 37.5° | 348.9 | 349.1 | 344.7 | 339.0 | 332.2 | 321.5 | 308.1 | 280.2 | 230.9 | 189.5 | 16.4  |
| 40°   | 341.9 | 341.7 | 334.4 | 327.5 | 319.8 | 309.3 | 289.9 | 247.9 | 200.4 | 164.3 | 5.9   |
| 42.5° | 331.4 | 328.7 | 321.9 | 313.4 | 304.1 | 290.9 | 260.6 | 209.3 | 174.2 | 131.5 | 0.4   |
| 45°   | 308.5 | 306.1 | 300.6 | 291.6 | 281.2 | 262.7 | 214.8 | 179.8 | 141.6 | 95.8  | 0.0   |
| 47.5° | 234.6 | 233.4 | 239.0 | 240.2 | 240.0 | 218.8 | 179.2 | 146.7 | 104.1 | 55.8  | 0.0   |
| 50°   | 213.6 | 211.9 | 206.3 | 199.0 | 186.1 | 168.3 | 143.7 | 108.7 | 61.0  | 17.8  | 0.0   |
| 52.5° | 153.4 | 158.6 | 159.8 | 154.4 | 142.2 | 124.7 | 99.0  | 62.6  | 21.2  | 0.0   | 0.0   |
| 55°   | 62.4  | 59.2  | 61.6  | 64.7  | 67.1  | 61.6  | 45.7  | 22.2  | 0.2   | 0.0   | 0.0   |
| 57.5° | 0.0   | 0.2   | 1.2   | 2.8   | 4.6   | 5.9   | 6.3   | 0.4   | 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   | 0.2   |
| 62.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   |
| 65°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.0   | 0.2   | 0.2   | 0.2   |
| 67.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   |
| 70°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   |
| 72.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   |
| 75°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



TEST NUMBER: P1321035  
 CATALOG NUMBER: LDSQA3D02R55B2750DE010 3LSQCA30R 1MB\_2700K

**CANDELA DISTRIBUTION (continued):**

|       | 90°   | 112.5° | 135°  | 157.5° | 180°  |
|-------|-------|--------|-------|--------|-------|
| 0°    | 116.2 | 116.2  | 116.2 | 116.2  | 116.2 |
| 2.5°  | 116.6 | 98.6   | 81.2  | 71.7   | 67.1  |
| 5°    | 112.3 | 75.4   | 46.7  | 32.3   | 26.9  |
| 7.5°  | 105.3 | 51.7   | 18.6  | 7.7    | 5.5   |
| 10°   | 95.0  | 29.7   | 5.1   | 2.0    | 1.8   |
| 12.5° | 80.2  | 13.5   | 1.8   | 1.4    | 1.4   |
| 15°   | 63.8  | 4.6    | 1.0   | 0.8    | 0.6   |
| 17.5° | 44.9  | 1.2    | 0.4   | 0.0    | 0.0   |
| 20°   | 27.3  | 0.2    | 0.0   | 0.0    | 0.0   |
| 22.5° | 15.2  | 0.0    | 0.0   | 0.0    | 0.0   |
| 25°   | 7.5   | 0.0    | 0.0   | 0.0    | 0.0   |
| 27.5° | 3.2   | 0.0    | 0.0   | 0.0    | 0.0   |
| 30°   | 1.0   | 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° | 0.2   | 0.0    | 0.0   | 0.0    | 0.0   |
| 65°   | 0.2   | 0.2    | 0.0   | 0.0    | 0.0   |
| 67.5° | 0.2   | 0.2    | 0.0   | 0.0    | 0.0   |
| 70°   | 0.2   | 0.2    | 0.0   | 0.0    | 0.0   |
| 72.5° | 0.2   | 0.2    | 0.0   | 0.0    | 0.0   |
| 75°   | 0.2   | 0.2    | 0.0   | 0.0    | 0.0   |
| 77.5° | 0.4   | 0.2    | 0.2   | 0.0    | 0.0   |
| 80°   | 0.4   | 0.2    | 0.2   | 0.0    | 0.0   |
| 82.5° | 0.4   | 0.2    | 0.2   | 0.0    | 0.0   |
| 85°   | 0.2   | 0.2    | 0.2   | 0.0    | 0.0   |
| 87.5° | 0.4   | 0.2    | 0.2   | 0.0    | 0.0   |
| 90°   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |

(END OF REPORT)