

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: P1315204

Luminaire Tested: LDSQA3D02R709735DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

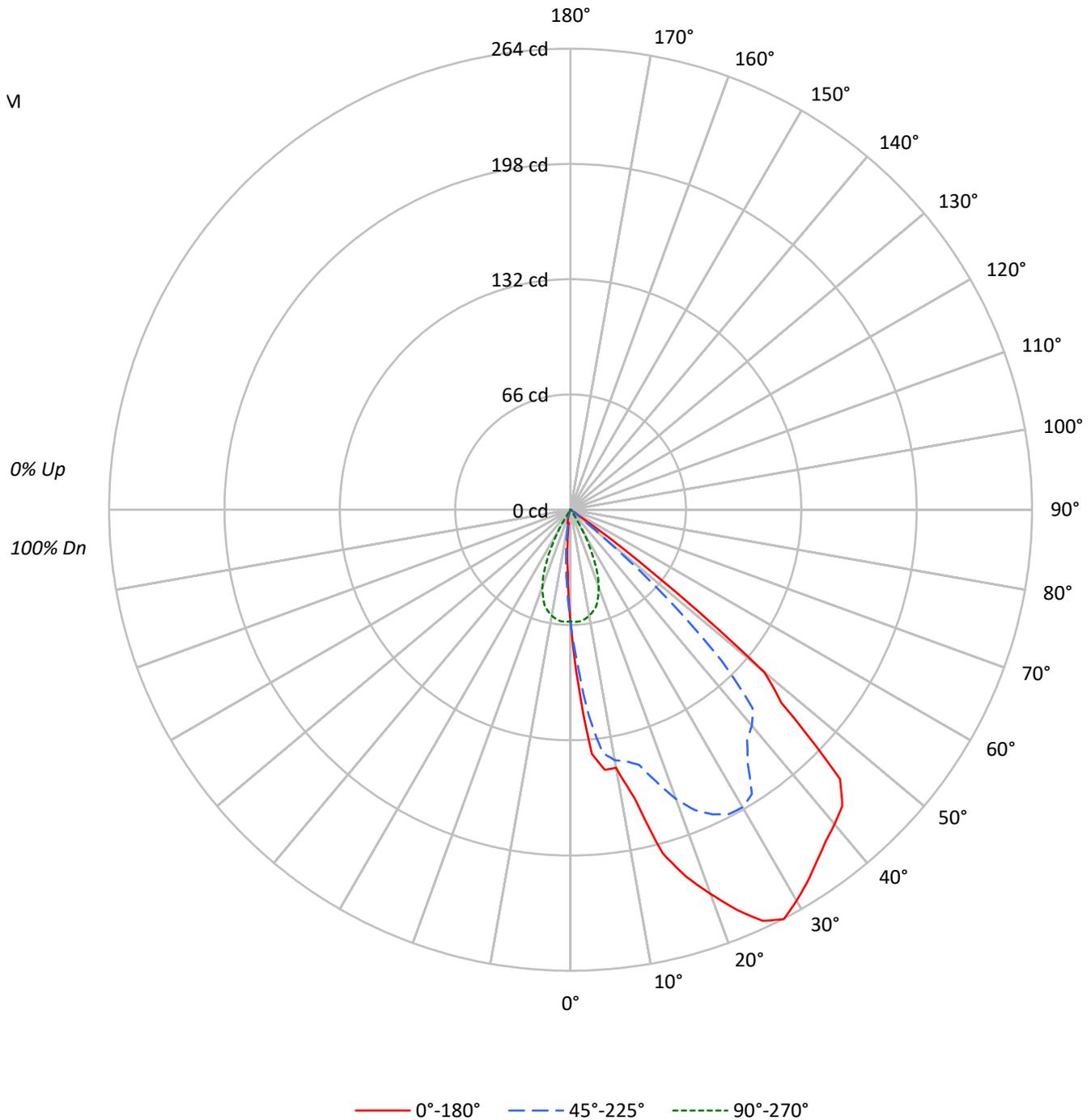
Test Method: LM-79-2019  
Report Number: P1315204  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R709735DE010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 171.9 lumens  
Efficiency: N/A  
Efficacy: 47.8 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): 3.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P1315204  
CATALOG NUMBER: LDSQA3D02R709735DE010 3LSQCA30R 1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P1315204  
 CATALOG NUMBER: LDSQA3D02R709735DE010 3LSQCA30R 1MMS

**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 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 97  | 96  | 96  | 94  | 93  | 91  |    |    |
| 2   | 105 | 99  | 94  | 90  | 103 | 98  | 93  | 89  | 94  | 91  | 87  | 91  | 88  | 85  | 88  | 86  | 84  | 82  |    |    |
| 3   | 98  | 90  | 84  | 79  | 96  | 89  | 83  | 79  | 86  | 81  | 78  | 84  | 80  | 76  | 81  | 78  | 75  | 73  |    |    |
| 4   | 92  | 82  | 76  | 70  | 90  | 81  | 75  | 70  | 79  | 73  | 69  | 77  | 72  | 68  | 75  | 71  | 67  | 66  |    |    |
| 5   | 85  | 75  | 68  | 63  | 84  | 74  | 67  | 62  | 72  | 66  | 62  | 70  | 65  | 61  | 69  | 64  | 61  | 59  |    |    |
| 6   | 80  | 69  | 61  | 56  | 78  | 68  | 61  | 56  | 66  | 60  | 55  | 65  | 59  | 55  | 63  | 58  | 55  | 53  |    |    |
| 7   | 74  | 63  | 56  | 50  | 73  | 62  | 55  | 50  | 61  | 55  | 50  | 59  | 54  | 50  | 58  | 53  | 49  | 48  |    |    |
| 8   | 70  | 58  | 51  | 46  | 68  | 57  | 50  | 45  | 56  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 43  |    |    |
| 9   | 65  | 53  | 46  | 41  | 64  | 53  | 46  | 41  | 52  | 45  | 41  | 51  | 45  | 41  | 50  | 45  | 41  | 39  |    |    |
| 10  | 61  | 49  | 42  | 38  | 60  | 49  | 42  | 38  | 48  | 42  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 36  |    |    |

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

|     | 0°    | 45°   | 90°   | 135°  | 180°  |
|-----|-------|-------|-------|-------|-------|
| 0°  | 10988 | 10988 | 10988 | 10988 | 10988 |
| 5°  | 24255 | 20348 | 11082 | 5031  | 3319  |
| 10° | 26232 | 25462 | 10790 | 1399  | 1451  |
| 15° | 36301 | 26959 | 10163 | 1426  | 1034  |
| 20° | 42886 | 32293 | 8632  | 843   | 312   |
| 25° | 49350 | 36580 | 6081  | 133   | 0     |
| 30° | 51407 | 39137 | 2804  | 0     | 0     |
| 35° | 51636 | 37108 | 147   | 0     | 0     |
| 40° | 52833 | 36286 | 0     | 0     | 0     |
| 45° | 53096 | 29739 | 0     | 0     | 0     |
| 50° | 38770 | 6189  | 0     | 0     | 0     |
| 55° | 2192  | 0     | 0     | 0     | 0     |
| 60° | 0     | 69    | 69    | 0     | 0     |
| 65° | 0     | 0     | 82    | 0     | 0     |
| 70° | 0     | 101   | 101   | 0     | 0     |
| 75° | 0     | 133   | 133   | 0     | 0     |
| 80° | 0     | 198   | 198   | 198   | 0     |
| 85° | 0     | 395   | 395   | 395   | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 54095 cd/sqm



TEST NUMBER: P1315204  
 CATALOG NUMBER: LDSQA3D02R709735DE010 3LSQCA30R 1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 7.0    | 4.1       |
| 10°-20°   | 23.3   | 13.6      |
| 20°-30°   | 41.9   | 24.4      |
| 30°-40°   | 51.0   | 29.6      |
| 40°-50°   | 39.3   | 22.9      |
| 50°-60°   | 9.2    | 5.3       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.1    | 0.1       |
| 80°-90°   | 0.1    | 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°    | 72.2   | 42.0      |
| 0°-40°    | 123.2  | 71.6      |
| 0°-60°    | 171.7  | 99.8      |
| 0°-90°    | 171.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 171.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 64  | 64  | 64  | 64   | 64   |      |
| 5°  | 140 | 118 | 64  | 29   | 19   | 13   |
| 15° | 204 | 151 | 57  | 8    | 6    | 57   |
| 25° | 260 | 192 | 32  | 1    | 0    | 118  |
| 35° | 246 | 176 | 1   | 0    | 0    | 154  |
| 45° | 218 | 122 | 0   | 0    | 0    | 154  |
| 55° | 7   | 0   | 0   | 0    | 0    | 30   |
| 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: P1315204  
 CATALOG NUMBER: LDSQA3D02R709735DE010 3LSQCA30R 1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 63.8  | 63.8  | 63.8  | 63.8  | 63.8  | 63.8  | 63.8  | 63.8  | 63.8  | 63.8  | 63.8  |
| 2.5°  | 99.5  | 99.5  | 100.0 | 99.8  | 97.6  | 96.6  | 93.4  | 91.7  | 91.3  | 87.4  | 85.9  |
| 5°    | 140.3 | 140.5 | 139.3 | 139.1 | 136.7 | 135.0 | 132.3 | 128.2 | 124.0 | 117.7 | 112.1 |
| 7.5°  | 150.2 | 150.0 | 149.8 | 149.8 | 149.3 | 148.3 | 147.1 | 145.9 | 144.2 | 140.3 | 135.9 |
| 10°   | 150.0 | 150.0 | 149.8 | 149.8 | 149.5 | 149.8 | 149.5 | 148.8 | 148.1 | 145.6 | 143.2 |
| 12.5° | 168.9 | 167.5 | 165.5 | 162.6 | 157.8 | 154.1 | 150.0 | 148.8 | 148.3 | 147.6 | 146.1 |
| 15°   | 203.6 | 202.4 | 198.3 | 193.2 | 188.4 | 180.1 | 173.5 | 164.6 | 157.5 | 151.2 | 148.1 |
| 17.5° | 220.4 | 221.1 | 216.5 | 213.4 | 208.7 | 202.2 | 194.4 | 185.2 | 175.2 | 163.4 | 153.9 |
| 20°   | 234.0 | 234.7 | 230.8 | 227.7 | 222.3 | 215.5 | 208.7 | 198.8 | 189.3 | 176.2 | 163.8 |
| 22.5° | 247.8 | 248.3 | 244.7 | 240.0 | 234.0 | 226.9 | 218.2 | 208.0 | 197.8 | 186.2 | 173.1 |
| 25°   | 259.7 | 259.2 | 253.2 | 246.6 | 240.8 | 233.3 | 224.8 | 214.8 | 205.1 | 192.5 | 180.1 |
| 27.5° | 264.3 | 264.1 | 257.3 | 251.0 | 244.2 | 234.0 | 226.5 | 217.7 | 207.5 | 196.4 | 183.7 |
| 30°   | 258.5 | 262.4 | 258.0 | 253.4 | 245.1 | 235.0 | 227.7 | 217.2 | 207.8 | 196.8 | 182.5 |
| 32.5° | 252.4 | 257.3 | 255.8 | 253.6 | 243.9 | 235.9 | 226.5 | 216.7 | 205.6 | 193.0 | 171.1 |
| 35°   | 245.6 | 250.7 | 251.0 | 248.5 | 239.8 | 231.8 | 223.1 | 212.9 | 200.2 | 176.5 | 160.4 |
| 37.5° | 239.6 | 244.4 | 245.9 | 240.8 | 234.0 | 223.3 | 215.3 | 204.6 | 181.8 | 165.8 | 157.5 |
| 40°   | 235.0 | 238.6 | 240.8 | 232.8 | 226.0 | 215.5 | 206.3 | 187.6 | 167.0 | 161.4 | 149.8 |
| 42.5° | 230.1 | 233.5 | 234.5 | 225.7 | 215.3 | 205.3 | 192.0 | 168.4 | 162.4 | 154.1 | 122.8 |
| 45°   | 218.0 | 222.1 | 219.7 | 211.2 | 203.4 | 193.0 | 173.1 | 162.9 | 156.3 | 122.1 | 75.5  |
| 47.5° | 163.6 | 168.2 | 174.8 | 177.2 | 179.9 | 172.3 | 161.4 | 157.8 | 128.4 | 74.0  | 23.5  |
| 50°   | 144.7 | 143.9 | 143.9 | 145.1 | 147.3 | 149.8 | 152.9 | 133.0 | 77.2  | 23.1  | 0.0   |
| 52.5° | 59.0  | 61.9  | 76.2  | 89.1  | 103.9 | 118.7 | 123.3 | 81.6  | 30.1  | 0.5   | 0.0   |
| 55°   | 7.3   | 7.3   | 10.2  | 17.5  | 28.9  | 46.6  | 52.4  | 26.2  | 2.2   | 0.0   | 0.0   |
| 57.5° | 0.0   | 0.0   | 0.0   | 0.2   | 1.9   | 5.3   | 3.6   | 1.0   | 0.2   | 0.2   | 0.0   |
| 60°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   |
| 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   | 0.2   | 0.2   |
| 70°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 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   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 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: P1315204  
 CATALOG NUMBER: LDSQA3D02R709735DE010 3LSQCA30R 1MMS

**CANDELA DISTRIBUTION (continued):**

|       | 55°   | 60°   | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-------|-------|------|--------|------|--------|------|
| 0°    | 63.8  | 63.8  | 63.8  | 63.8 | 63.8   | 63.8 | 63.8   | 63.8 |
| 2.5°  | 83.5  | 80.6  | 76.5  | 64.3 | 53.9   | 44.7 | 39.3   | 36.7 |
| 5°    | 106.8 | 99.8  | 90.3  | 64.1 | 43.7   | 29.1 | 21.8   | 19.2 |
| 7.5°  | 129.1 | 121.1 | 105.1 | 63.1 | 33.5   | 17.0 | 9.5    | 7.5  |
| 10°   | 138.8 | 133.0 | 118.7 | 61.7 | 24.3   | 8.0  | 8.0    | 8.3  |
| 12.5° | 142.7 | 138.4 | 126.7 | 59.5 | 16.0   | 7.8  | 8.3    | 7.8  |
| 15°   | 145.4 | 141.3 | 130.6 | 57.0 | 9.2    | 8.0  | 6.6    | 5.8  |
| 17.5° | 146.8 | 142.0 | 131.8 | 52.4 | 6.1    | 6.8  | 4.1    | 3.4  |
| 20°   | 151.5 | 143.7 | 132.8 | 47.1 | 5.8    | 4.6  | 2.2    | 1.7  |
| 22.5° | 159.2 | 147.1 | 133.0 | 40.5 | 4.6    | 2.7  | 0.7    | 0.0  |
| 25°   | 166.3 | 151.7 | 133.7 | 32.0 | 1.5    | 0.7  | 0.0    | 0.0  |
| 27.5° | 169.7 | 153.2 | 133.5 | 22.6 | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 165.5 | 149.5 | 131.3 | 14.1 | 0.0    | 0.0  | 0.0    | 0.0  |
| 32.5° | 155.8 | 146.8 | 124.5 | 6.1  | 0.0    | 0.0  | 0.0    | 0.0  |
| 35°   | 152.7 | 141.0 | 109.0 | 0.7  | 0.0    | 0.0  | 0.0    | 0.0  |
| 37.5° | 145.6 | 124.3 | 80.1  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 40°   | 125.2 | 89.8  | 38.1  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 42.5° | 82.8  | 38.3  | 2.2   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 45°   | 29.1  | 2.4   | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 47.5° | 0.5   | 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°   | 0.2   | 0.2   | 0.2   | 0.2  | 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   | 0.2   | 0.2  | 0.0    | 0.0  | 0.0    | 0.0  |
| 67.5° | 0.2   | 0.2   | 0.2   | 0.2  | 0.0    | 0.0  | 0.0    | 0.0  |
| 70°   | 0.2   | 0.2   | 0.2   | 0.2  | 0.2    | 0.0  | 0.0    | 0.0  |
| 72.5° | 0.2   | 0.2   | 0.2   | 0.2  | 0.2    | 0.0  | 0.0    | 0.0  |
| 75°   | 0.2   | 0.2   | 0.2   | 0.2  | 0.2    | 0.0  | 0.0    | 0.0  |
| 77.5° | 0.2   | 0.2   | 0.2   | 0.2  | 0.2    | 0.0  | 0.0    | 0.0  |
| 80°   | 0.2   | 0.2   | 0.2   | 0.2  | 0.2    | 0.2  | 0.0    | 0.0  |
| 82.5° | 0.2   | 0.2   | 0.2   | 0.2  | 0.2    | 0.2  | 0.0    | 0.0  |
| 85°   | 0.2   | 0.2   | 0.2   | 0.2  | 0.2    | 0.2  | 0.0    | 0.0  |
| 87.5° | 0.2   | 0.2   | 0.2   | 0.2  | 0.2    | 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)