

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: P1307813

Luminaire Tested: LDSQA3D05R359027DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307813  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R359027DE010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

**Summary**

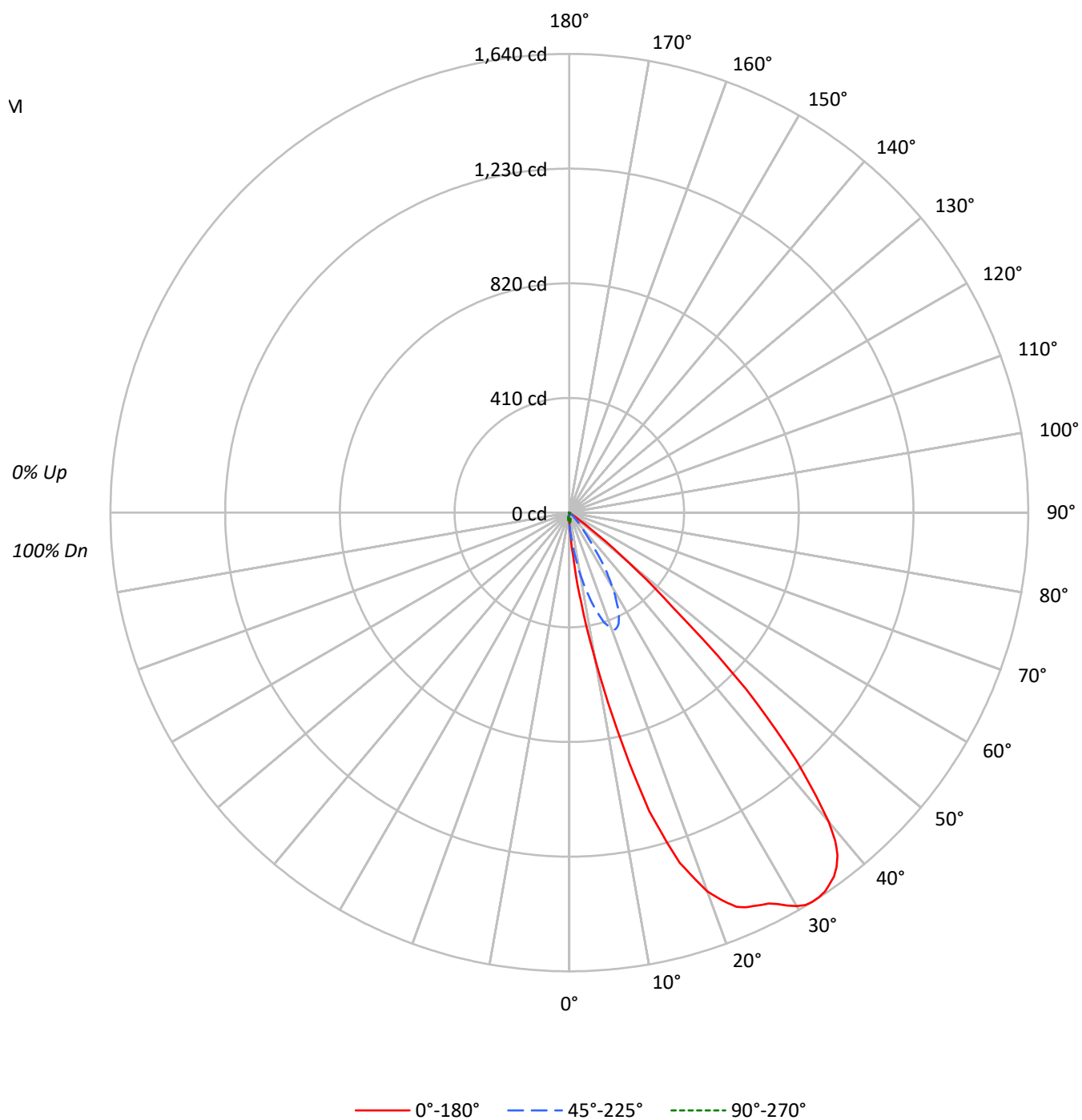
Lumens per Lamp: N/A  
Luminaire Lumens: 490.0 lumens  
Efficiency: N/A  
Efficacy: 68.1 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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: P1307813

CATALOG NUMBER: LDSQA3D05R359027DE010 3LSQCA30R 1MMS

### Luminous Intensity Polar Plot



TEST NUMBER: P1307813

CATALOG NUMBER: LDSQA3D05R359027DE010 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   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 91  |    |    |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 87  | 85  | 83  |    |    |
| 3   | 99  | 91  | 86  | 81  | 97  | 90  | 85  | 80  | 87  | 83  | 79  | 85  | 81  | 78  | 82  | 79  | 76  | 75  |    |    |
| 4   | 93  | 84  | 77  | 72  | 91  | 82  | 76  | 72  | 80  | 75  | 71  | 78  | 73  | 70  | 76  | 72  | 69  | 67  |    |    |
| 5   | 86  | 76  | 70  | 64  | 85  | 75  | 69  | 64  | 74  | 68  | 63  | 72  | 67  | 63  | 70  | 66  | 62  | 61  |    |    |
| 6   | 81  | 70  | 63  | 58  | 79  | 69  | 62  | 58  | 68  | 62  | 57  | 66  | 61  | 57  | 65  | 60  | 56  | 55  |    |    |
| 7   | 75  | 64  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 60  | 55  | 51  | 49  |    |    |
| 8   | 71  | 59  | 52  | 47  | 69  | 59  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 46  | 55  | 50  | 46  | 45  |    |    |
| 9   | 66  | 54  | 47  | 43  | 65  | 54  | 47  | 43  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 40  |    |    |
| 10  | 62  | 50  | 43  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 42  | 38  | 47  | 42  | 38  | 37  |    |    |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 6355   | 6355  | 6355 | 6355 | 6355 |
| 5°  | 27644  | 17132 | 5895 | 2109 | 1452 |
| 10° | 93036  | 38666 | 4407 | 490  | 157  |
| 15° | 196859 | 63421 | 2746 | 0    | 0    |
| 20° | 263953 | 81044 | 1283 | 0    | 0    |
| 25° | 294997 | 79583 | 266  | 0    | 0    |
| 30° | 322958 | 60992 | 0    | 0    | 0    |
| 35° | 340828 | 33219 | 0    | 0    | 0    |
| 40° | 324012 | 14928 | 0    | 0    | 0    |
| 45° | 217450 | 6600  | 0    | 0    | 0    |
| 50° | 72636  | 616   | 0    | 0    | 0    |
| 55° | 3933   | 0     | 0    | 0    | 0    |
| 60° | 0      | 0     | 172  | 0    | 0    |
| 65° | 0      | 0     | 367  | 0    | 0    |
| 70° | 0      | 252   | 453  | 0    | 0    |
| 75° | 0      | 333   | 599  | 0    | 0    |
| 80° | 0      | 496   | 893  | 0    | 0    |
| 85° | 0      | 988   | 1778 | 0    | 0    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 217450 cd/sqm

TEST NUMBER: P1307813

CATALOG NUMBER: LDSQA3D05R359027DE010 3LSQCA30R 1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 7.9    | 1.6       |
| 10°-20°   | 68.0   | 13.9      |
| 20°-30°   | 149.2  | 30.4      |
| 30°-40°   | 172.5  | 35.2      |
| 40°-50°   | 85.2   | 17.4      |
| 50°-60°   | 6.3    | 1.3       |
| 60°-70°   | 0.2    | 0.0       |
| 70°-80°   | 0.4    | 0.1       |
| 80°-90°   | 0.3    | 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°    | 225.1  | 45.9      |
| 0°-40°    | 397.6  | 81.2      |
| 0°-60°    | 489.1  | 99.8      |
| 0°-90°    | 490.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 490.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 37   | 37  | 37  | 37   | 37   |      |
| 5°  | 160  | 99  | 34  | 12   | 8    | 28   |
| 15° | 1104 | 356 | 15  | 0    | 0    | 312  |
| 25° | 1552 | 419 | 1   | 0    | 0    | 718  |
| 35° | 1621 | 158 | 0   | 0    | 0    | 1001 |
| 45° | 893  | 27  | 0   | 0    | 0    | 655  |
| 55° | 13   | 0   | 0   | 0    | 0    | 53   |
| 65° | 0    | 0   | 1   | 0    | 0    | 0    |
| 75° | 0    | 0   | 1   | 0    | 0    | 0    |
| 85° | 0    | 0   | 1   | 0    | 0    | 0    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1307813

CATALOG NUMBER: LDSQA3D05R359027DE010 3LSQCA30R 1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°   | 45°   | 67.5° | 90°  |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|
| 0°    | 36.9   | 36.9   | 36.9   | 36.9   | 36.9   | 36.9   | 36.9   | 36.9  | 36.9  | 36.9  | 36.9 |
| 2.5°  | 73.4   | 75.3   | 74.3   | 74.3   | 73.9   | 71.5   | 67.3   | 65.9  | 60.8  | 48.1  | 37.4 |
| 5°    | 159.9  | 160.3  | 158.9  | 151.9  | 145.8  | 140.2  | 128.1  | 122.5 | 99.1  | 58.9  | 34.1 |
| 7.5°  | 324.4  | 317.4  | 308.5  | 298.7  | 277.2  | 257.6  | 231.9  | 204.7 | 153.3 | 68.2  | 30.4 |
| 10°   | 532.0  | 522.2  | 514.7  | 491.3  | 452.5  | 412.3  | 363.2  | 318.8 | 221.1 | 74.8  | 25.2 |
| 12.5° | 799.8  | 794.2  | 767.6  | 720.8  | 663.3  | 605.4  | 519.8  | 449.2 | 289.4 | 76.2  | 20.6 |
| 15°   | 1104.1 | 1094.8 | 1054.1 | 987.7  | 909.7  | 818.5  | 704.0  | 585.3 | 355.7 | 72.0  | 15.4 |
| 17.5° | 1312.2 | 1307.0 | 1272.0 | 1202.3 | 1112.6 | 996.6  | 861.1  | 712.9 | 410.4 | 63.1  | 10.8 |
| 20°   | 1440.2 | 1432.8 | 1400.0 | 1341.1 | 1247.2 | 1126.1 | 965.3  | 794.2 | 442.2 | 51.9  | 7.0  |
| 21°   | 1473.4 | 1466.0 | 1439.8 | 1378.5 | 1288.8 | 1158.8 | 993.8  | 813.8 | 448.3 | 46.7  | 5.6  |
| 22°   | 1504.8 | 1497.3 | 1469.7 | 1415.5 | 1326.7 | 1191.1 | 1016.3 | 828.8 | 447.4 | 42.5  | 4.2  |
| 23°   | 1530.9 | 1523.0 | 1495.9 | 1445.9 | 1356.6 | 1219.6 | 1033.1 | 836.3 | 441.3 | 38.3  | 3.3  |
| 24°   | 1544.5 | 1539.8 | 1515.5 | 1468.3 | 1380.9 | 1239.7 | 1044.8 | 839.1 | 433.8 | 34.1  | 2.3  |
| 25°   | 1552.4 | 1546.8 | 1523.0 | 1479.5 | 1396.8 | 1255.6 | 1052.3 | 836.8 | 418.8 | 30.4  | 1.4  |
| 26°   | 1560.8 | 1552.4 | 1525.3 | 1483.2 | 1405.2 | 1263.1 | 1052.7 | 830.7 | 403.0 | 27.1  | 0.5  |
| 27°   | 1568.3 | 1560.4 | 1532.3 | 1486.1 | 1406.6 | 1260.7 | 1049.0 | 819.0 | 383.8 | 23.8  | 0.5  |
| 28°   | 1584.7 | 1575.8 | 1543.6 | 1492.1 | 1408.0 | 1254.7 | 1037.3 | 803.1 | 358.5 | 21.0  | 0.0  |
| 29°   | 1606.2 | 1596.8 | 1559.9 | 1506.6 | 1411.3 | 1248.1 | 1021.4 | 782.1 | 336.6 | 18.7  | 0.0  |
| 30°   | 1624.0 | 1615.5 | 1581.4 | 1524.9 | 1419.7 | 1242.0 | 1002.7 | 753.5 | 306.7 | 15.9  | 0.0  |
| 31°   | 1637.0 | 1628.6 | 1597.3 | 1540.3 | 1427.2 | 1236.4 | 979.3  | 724.1 | 279.5 | 14.0  | 0.0  |
| 32°   | 1640.3 | 1633.3 | 1603.9 | 1546.8 | 1427.2 | 1228.0 | 957.8  | 690.9 | 252.9 | 11.7  | 0.0  |
| 33°   | 1638.9 | 1631.9 | 1602.0 | 1542.1 | 1414.5 | 1207.9 | 931.6  | 651.2 | 222.5 | 10.3  | 0.0  |
| 34°   | 1633.8 | 1625.4 | 1593.6 | 1527.2 | 1389.8 | 1173.8 | 893.8  | 611.4 | 190.7 | 8.4   | 0.0  |
| 35°   | 1621.1 | 1613.7 | 1579.1 | 1499.1 | 1351.4 | 1121.9 | 843.3  | 565.6 | 158.0 | 7.0   | 0.0  |
| 36°   | 1609.0 | 1597.8 | 1555.2 | 1464.6 | 1300.9 | 1068.6 | 783.0  | 512.8 | 130.0 | 5.6   | 0.0  |
| 37°   | 1586.6 | 1570.7 | 1527.7 | 1414.5 | 1229.4 | 993.4  | 714.3  | 454.8 | 108.9 | 4.2   | 0.0  |
| 38°   | 1556.6 | 1535.1 | 1480.4 | 1356.6 | 1157.4 | 922.8  | 649.8  | 402.5 | 91.6  | 2.8   | 0.0  |
| 39°   | 1510.4 | 1485.1 | 1410.8 | 1277.1 | 1074.2 | 841.0  | 575.9  | 346.9 | 78.1  | 1.9   | 0.0  |
| 40°   | 1441.2 | 1417.3 | 1335.1 | 1182.7 | 991.5  | 750.7  | 500.2  | 284.2 | 66.4  | 0.9   | 0.0  |
| 42.5° | 1200.0 | 1167.2 | 1071.9 | 920.4  | 733.0  | 539.9  | 331.0  | 158.0 | 43.9  | 0.0   | 0.0  |
| 45°   | 892.8  | 863.9  | 770.4  | 632.5  | 488.5  | 330.5  | 177.2  | 93.0  | 27.1  | 0.0   | 0.0  |
| 47.5° | 504.4  | 501.1  | 440.3  | 363.2  | 272.5  | 175.8  | 89.8   | 56.1  | 11.7  | 0.0   | 0.0  |
| 50°   | 271.1  | 254.3  | 219.2  | 166.4  | 113.6  | 76.7   | 48.6   | 30.9  | 2.3   | 0.0   | 0.0  |
| 52.5° | 99.1   | 95.8   | 80.4   | 66.8   | 51.4   | 35.1   | 24.8   | 13.6  | 0.0   | 0.0   | 0.0  |
| 55°   | 13.1   | 12.2   | 12.6   | 13.6   | 14.0   | 12.2   | 7.9    | 2.8   | 0.0   | 0.0   | 0.0  |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.5    | 0.9    | 0.9    | 0.9    | 0.0   | 0.0   | 0.0   | 0.5  |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.5   | 0.5  |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.5   | 0.5  |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.5   | 0.9  |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.9   | 0.9  |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.5   | 0.9   | 0.9  |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.5   | 0.9   | 0.9  |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.5   | 0.9   | 0.9  |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.5   | 0.9   | 0.9  |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.5   | 0.9   | 0.9  |



TEST NUMBER: P1307813

CATALOG NUMBER: LDSQA3D05R359027DE010 3LSQCA30R 1MMS

**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 5°  | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.9   | 0.9 |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.9   | 0.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.9   | 0.9 |
| 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: P1307813

CATALOG NUMBER: LDSQA3D05R359027DE010 3LSQCA30R 1MMS

**CANDELA DISTRIBUTION (continued):**

|       | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 0°    | 36.9   | 36.9 | 36.9   | 36.9 |
| 2.5°  | 28.5   | 22.0 | 18.7   | 18.2 |
| 5°    | 19.6   | 12.2 | 8.9    | 8.4  |
| 7.5°  | 13.6   | 6.1  | 4.2    | 3.7  |
| 10°   | 7.9    | 2.8  | 1.4    | 0.9  |
| 12.5° | 4.7    | 0.5  | 0.0    | 0.0  |
| 15°   | 1.4    | 0.0  | 0.0    | 0.0  |
| 17.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 20°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 21°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 22°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 23°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 24°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 25°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 26°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 27°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 28°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 29°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 31°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 32°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 33°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 34°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 35°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 36°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 37°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 38°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 39°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 40°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 42.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 45°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 47.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 50°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 52.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 55°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 57.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 60°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 62.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 65°   | 0.5    | 0.0  | 0.0    | 0.0  |
| 67.5° | 0.5    | 0.0  | 0.0    | 0.0  |
| 70°   | 0.5    | 0.0  | 0.0    | 0.0  |
| 72.5° | 0.5    | 0.0  | 0.0    | 0.0  |
| 75°   | 0.5    | 0.0  | 0.0    | 0.0  |
| 77.5° | 0.5    | 0.0  | 0.0    | 0.0  |
| 80°   | 0.5    | 0.0  | 0.0    | 0.0  |



TEST NUMBER: P1307813

CATALOG NUMBER: LDSQA3D05R359027DE010 3LSQCA30R 1MMS

**CANDELA DISTRIBUTION (continued):**

|       | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 82.5° | 0.5    | 0.0  | 0.0    | 0.0  |
| 85°   | 0.5    | 0.0  | 0.0    | 0.0  |
| 87.5° | 0.5    | 0.0  | 0.0    | 0.0  |
| 90°   | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)