

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: P1320071

Luminaire Tested: LDSQA3D13R209840DE010 3LSQCA45R 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320071  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-74)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R209840DE010 3LSQCA45R 1MB  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQCA45R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

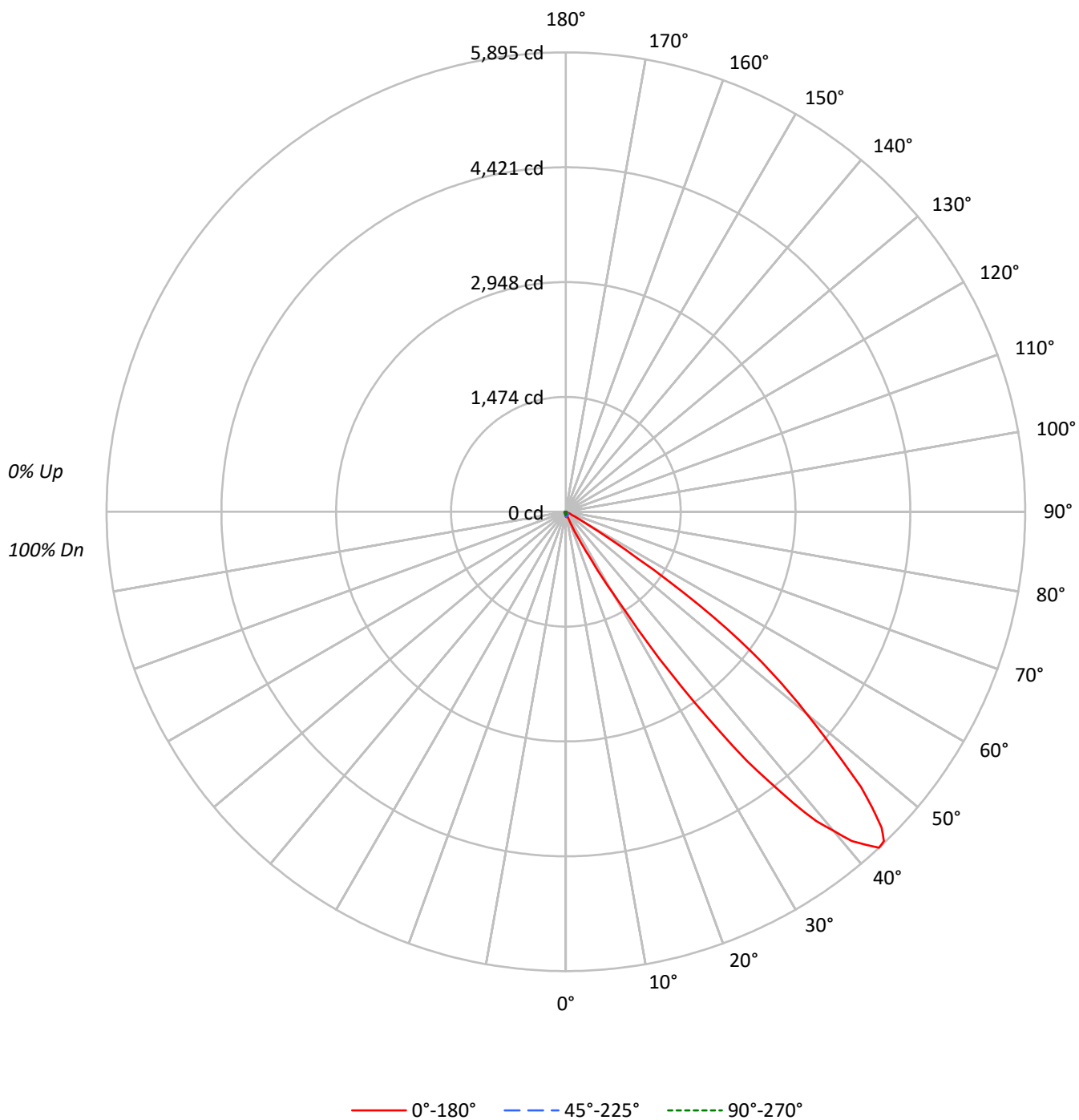
Lumens per Lamp: N/A  
Luminaire Lumens: 819.0 lumens  
Efficiency: N/A  
Efficacy: 56.5 lumens/watt  
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.13  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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: P1320071

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### Luminous Intensity Polar Plot



TEST NUMBER: P1320071

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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 | 100 |    |    |
| 1   | 110 | 106 | 102 | 99  | 108 | 104 | 101 | 97  | 100 | 97  | 94  | 96  | 94  | 92  | 92  | 91  | 89  | 87  |    |    |
| 2   | 101 | 93  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 83  | 79  | 85  | 81  | 77  | 82  | 78  | 75  | 73  |    |    |
| 3   | 92  | 81  | 74  | 67  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 74  | 69  | 65  | 72  | 67  | 63  | 61  |    |    |
| 4   | 83  | 71  | 62  | 56  | 81  | 70  | 62  | 55  | 67  | 60  | 55  | 65  | 59  | 54  | 63  | 58  | 53  | 51  |    |    |
| 5   | 75  | 62  | 53  | 46  | 73  | 61  | 53  | 46  | 59  | 51  | 46  | 57  | 50  | 45  | 55  | 49  | 45  | 42  |    |    |
| 6   | 68  | 55  | 45  | 39  | 66  | 54  | 45  | 38  | 52  | 44  | 38  | 50  | 43  | 38  | 48  | 42  | 37  | 35  |    |    |
| 7   | 62  | 48  | 39  | 32  | 60  | 47  | 38  | 32  | 46  | 38  | 32  | 44  | 37  | 32  | 43  | 36  | 31  | 29  |    |    |
| 8   | 57  | 42  | 33  | 27  | 55  | 42  | 33  | 27  | 40  | 33  | 27  | 39  | 32  | 27  | 38  | 31  | 27  | 25  |    |    |
| 9   | 52  | 38  | 29  | 23  | 51  | 37  | 29  | 23  | 36  | 28  | 23  | 35  | 28  | 23  | 34  | 27  | 23  | 21  |    |    |
| 10  | 48  | 34  | 25  | 20  | 47  | 33  | 25  | 20  | 32  | 25  | 19  | 31  | 24  | 19  | 30  | 24  | 19  | 17  |    |    |

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

|     | 0°      | 45°   | 90°  | 135° | 180°  |
|-----|---------|-------|------|------|-------|
| 0°  | 9817    | 9817  | 9817 | 9817 | 9817  |
| 5°  | 11445   | 10649 | 9180 | 7987 | 7710  |
| 10° | 11315   | 9688  | 7275 | 6191 | 6051  |
| 15° | 9878    | 7417  | 5349 | 4939 | 5206  |
| 20° | 14662   | 6213  | 3959 | 4234 | 4655  |
| 25° | 63184   | 6442  | 3078 | 3801 | 4542  |
| 30° | 238937  | 7815  | 2605 | 3679 | 4435  |
| 35° | 724294  | 9377  | 2418 | 3721 | 4688  |
| 40° | 1201060 | 9353  | 2068 | 3979 | 5014  |
| 45° | 1396011 | 6381  | 1875 | 4116 | 5431  |
| 50° | 1083673 | 3510  | 1849 | 4340 | 6189  |
| 55° | 627215  | 2312  | 1862 | 4864 | 6696  |
| 60° | 106055  | 517   | 1584 | 5029 | 7440  |
| 65° | 8150    | 0     | 1875 | 5664 | 8476  |
| 70° | 1158    | 0     | 2316 | 6194 | 9668  |
| 75° | 998     | 532   | 2529 | 7187 | 11246 |
| 80° | 793     | 793   | 3769 | 7637 | 12992 |
| 85° | 1581    | 1581  | 6126 | 7509 | 13635 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1396011 cd/sqm

TEST NUMBER: P1320071

CATALOG NUMBER: LDSQA3D13R209840DE010 3LSQCA45R 1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 4.9    | 0.6       |
| 10°-20°   | 10.2   | 1.3       |
| 20°-30°   | 32.7   | 4.0       |
| 30°-40°   | 208.8  | 25.5      |
| 40°-50°   | 382.3  | 46.7      |
| 50°-60°   | 157.1  | 19.2      |
| 60°-70°   | 13.2   | 1.6       |
| 70°-80°   | 6.6    | 0.8       |
| 80°-90°   | 3.1    | 0.4       |
| 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°    | 47.8   | 5.8       |
| 0°-40°    | 256.7  | 31.3      |
| 0°-60°    | 796.1  | 97.2      |
| 0°-90°    | 819.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 819.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 57   | 57  | 57  | 57   | 57   |      |
| 5°  | 66   | 62  | 53  | 46   | 45   | 6    |
| 15° | 55   | 42  | 30  | 28   | 29   | 18   |
| 25° | 332  | 34  | 16  | 20   | 24   | 219  |
| 35° | 3445 | 45  | 12  | 18   | 22   | 2181 |
| 45° | 5732 | 26  | 8   | 17   | 22   | 4115 |
| 55° | 2089 | 8   | 6   | 16   | 22   | 1826 |
| 65° | 20   | 0   | 5   | 14   | 21   | 65   |
| 75° | 2    | 1   | 4   | 11   | 17   | 2    |
| 85° | 1    | 1   | 3   | 4    | 7    | 1    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1320071

CATALOG NUMBER: LDSQA3D13R209840DE010 3LSQCA45R 1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°    | 22.5° | 45°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|
| 0°    | 57.0   | 57.0   | 57.0   | 57.0   | 57.0   | 57.0   | 57.0   | 57.0   | 57.0   | 57.0  | 57.0 |
| 2.5°  | 62.3   | 62.3   | 62.3   | 61.6   | 61.6   | 62.3   | 61.6   | 61.6   | 61.6   | 61.6  | 60.8 |
| 5°    | 66.2   | 66.2   | 66.2   | 66.2   | 66.2   | 66.2   | 66.2   | 65.4   | 65.4   | 64.7  | 61.6 |
| 7.5°  | 67.7   | 67.7   | 67.7   | 67.7   | 67.0   | 67.0   | 67.0   | 67.0   | 66.2   | 65.4  | 60.0 |
| 10°   | 64.7   | 64.7   | 64.7   | 63.9   | 63.9   | 63.9   | 63.1   | 63.1   | 62.3   | 61.6  | 55.4 |
| 12.5° | 58.5   | 58.5   | 58.5   | 58.5   | 57.7   | 57.7   | 57.0   | 57.0   | 56.2   | 55.4  | 48.5 |
| 15°   | 55.4   | 55.4   | 55.4   | 54.6   | 54.6   | 53.9   | 53.1   | 52.3   | 51.6   | 50.0  | 41.6 |
| 17.5° | 60.0   | 60.0   | 59.3   | 59.3   | 57.7   | 56.2   | 55.4   | 53.1   | 51.6   | 49.3  | 36.9 |
| 20°   | 80.0   | 80.8   | 77.7   | 75.4   | 73.9   | 69.3   | 67.0   | 63.1   | 60.0   | 56.2  | 33.9 |
| 22.5° | 161.6  | 158.6  | 153.2  | 144.7  | 134.7  | 126.2  | 110.8  | 98.5   | 90.1   | 78.5  | 33.1 |
| 25°   | 332.5  | 329.4  | 314.8  | 302.5  | 271.7  | 247.8  | 214.7  | 187.8  | 160.1  | 133.2 | 33.9 |
| 27.5° | 631.9  | 611.1  | 607.3  | 551.1  | 508.0  | 446.4  | 382.5  | 328.6  | 279.4  | 224.7 | 36.2 |
| 30°   | 1201.5 | 1177.6 | 1093.7 | 1009.0 | 892.8  | 761.2  | 635.7  | 518.8  | 421.0  | 332.5 | 39.3 |
| 31°   | 1524.7 | 1547.8 | 1449.3 | 1279.2 | 1107.6 | 939.0  | 767.4  | 618.8  | 492.6  | 382.5 | 40.8 |
| 32°   | 2004.2 | 1903.4 | 1799.5 | 1624.8 | 1375.4 | 1159.9 | 944.4  | 730.4  | 564.2  | 436.4 | 42.3 |
| 33°   | 2457.5 | 2398.3 | 2239.7 | 2021.9 | 1722.5 | 1420.0 | 1140.6 | 862.0  | 651.9  | 501.8 | 43.1 |
| 34°   | 2940.9 | 2875.5 | 2746.9 | 2434.5 | 2105.8 | 1709.4 | 1336.9 | 1013.7 | 756.6  | 565.7 | 43.9 |
| 35°   | 3445.0 | 3417.3 | 3169.5 | 2898.6 | 2494.5 | 2016.5 | 1573.2 | 1179.9 | 858.9  | 624.2 | 44.6 |
| 36°   | 3952.2 | 3863.0 | 3669.0 | 3273.4 | 2851.6 | 2300.5 | 1821.0 | 1334.6 | 962.9  | 693.5 | 44.6 |
| 37°   | 4334.0 | 4314.0 | 4056.9 | 3671.3 | 3175.6 | 2603.8 | 2035.0 | 1506.2 | 1067.5 | 752.7 | 44.6 |
| 38°   | 4755.0 | 4675.7 | 4414.8 | 4022.3 | 3480.4 | 2881.6 | 2259.0 | 1655.6 | 1166.8 | 806.6 | 43.9 |
| 39°   | 5109.8 | 4992.1 | 4728.8 | 4340.9 | 3746.7 | 3092.5 | 2436.8 | 1800.3 | 1254.6 | 851.3 | 43.1 |
| 40°   | 5342.3 | 5260.7 | 4985.9 | 4549.5 | 3988.4 | 3291.9 | 2616.9 | 1919.6 | 1320.0 | 885.1 | 41.6 |
| 41°   | 5598.6 | 5463.1 | 5191.4 | 4752.7 | 4163.9 | 3467.4 | 2730.0 | 1998.1 | 1370.8 | 907.4 | 40.0 |
| 42°   | 5751.7 | 5640.9 | 5318.4 | 4888.9 | 4289.4 | 3567.4 | 2822.4 | 2058.1 | 1401.6 | 919.0 | 36.9 |
| 43°   | 5894.9 | 5744.0 | 5430.0 | 4968.2 | 4372.5 | 3638.2 | 2864.7 | 2085.8 | 1408.5 | 919.0 | 33.1 |
| 44°   | 5875.6 | 5732.5 | 5406.9 | 4979.0 | 4391.0 | 3659.0 | 2882.4 | 2086.6 | 1397.7 | 907.4 | 29.2 |
| 45°   | 5731.7 | 5589.3 | 5296.1 | 4885.1 | 4324.8 | 3618.2 | 2847.0 | 2055.8 | 1367.7 | 887.4 | 26.2 |
| 46°   | 5467.7 | 5326.1 | 5101.4 | 4728.1 | 4201.6 | 3525.8 | 2764.6 | 1988.8 | 1317.7 | 855.1 | 23.1 |
| 47°   | 5180.6 | 5042.9 | 4812.7 | 4474.8 | 3991.5 | 3361.1 | 2645.3 | 1894.9 | 1247.6 | 808.2 | 20.8 |
| 48°   | 4764.2 | 4678.0 | 4447.1 | 4158.5 | 3699.8 | 3103.3 | 2436.0 | 1741.8 | 1153.7 | 747.3 | 17.7 |
| 49°   | 4396.3 | 4305.5 | 4103.1 | 3792.9 | 3319.6 | 2803.1 | 2185.9 | 1555.5 | 1031.4 | 679.6 | 15.4 |
| 50°   | 4044.6 | 3965.3 | 3778.3 | 3428.1 | 2976.3 | 2440.6 | 1848.0 | 1320.7 | 877.4  | 595.7 | 13.1 |
| 51°   | 3700.6 | 3641.3 | 3450.4 | 3128.7 | 2670.0 | 2162.0 | 1600.9 | 1099.9 | 725.0  | 494.1 | 12.3 |
| 52°   | 3355.0 | 3348.1 | 3141.0 | 2815.4 | 2372.1 | 1884.1 | 1360.8 | 928.2  | 615.0  | 414.9 | 11.5 |
| 53°   | 2983.2 | 2938.6 | 2757.7 | 2465.2 | 2039.6 | 1594.8 | 1153.7 | 782.8  | 529.5  | 353.3 | 10.0 |
| 54°   | 2559.9 | 2509.9 | 2315.9 | 2051.9 | 1666.3 | 1306.1 | 929.8  | 632.7  | 441.0  | 298.6 | 9.2  |
| 55°   | 2088.9 | 2003.4 | 1862.6 | 1591.7 | 1301.5 | 996.7  | 718.1  | 501.1  | 352.5  | 248.6 | 7.7  |
| 56°   | 1584.7 | 1499.3 | 1420.0 | 1220.7 | 955.2  | 743.5  | 534.9  | 384.1  | 275.5  | 196.3 | 6.9  |
| 57°   | 1102.2 | 1097.5 | 967.5  | 814.3  | 638.8  | 506.4  | 366.4  | 270.9  | 194.7  | 152.4 | 5.4  |
| 58°   | 715.0  | 691.2  | 608.0  | 519.5  | 417.9  | 316.3  | 235.5  | 184.0  | 132.4  | 103.9 | 4.6  |
| 59°   | 501.1  | 453.3  | 408.7  | 346.4  | 263.2  | 199.3  | 151.6  | 117.8  | 91.6   | 72.3  | 3.1  |
| 60°   | 307.9  | 297.9  | 267.8  | 210.9  | 170.9  | 140.8  | 113.1  | 87.0   | 67.0   | 51.6  | 1.5  |
| 62.5° | 87.7   | 89.3   | 80.8   | 71.6   | 61.6   | 53.1   | 47.7   | 40.8   | 33.9   | 26.9  | 0.0  |
| 65°   | 20.0   | 19.2   | 20.8   | 19.2   | 17.7   | 17.7   | 15.4   | 13.9   | 12.3   | 11.5  | 0.0  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 67.5° | 6.2 | 6.2  | 5.4 | 5.4  | 5.4 | 4.6   | 4.6 | 3.8   | 3.8 | 3.1   | 0.0 |
| 70°   | 2.3 | 2.3  | 2.3 | 2.3  | 2.3 | 1.5   | 1.5 | 1.5   | 0.8 | 0.8   | 0.0 |
| 72.5° | 2.3 | 2.3  | 2.3 | 1.5  | 1.5 | 1.5   | 1.5 | 1.5   | 0.8 | 0.8   | 0.8 |
| 75°   | 1.5 | 1.5  | 1.5 | 1.5  | 1.5 | 1.5   | 1.5 | 0.8   | 0.8 | 0.8   | 0.8 |
| 77.5° | 1.5 | 1.5  | 1.5 | 1.5  | 1.5 | 0.8   | 1.5 | 0.8   | 0.8 | 0.8   | 0.8 |
| 80°   | 0.8 | 0.8  | 0.8 | 0.8  | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 |
| 82.5° | 0.8 | 0.8  | 0.8 | 0.8  | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 |
| 85°   | 0.8 | 0.8  | 0.8 | 0.8  | 0.0 | 0.0   | 0.8 | 0.8   | 0.8 | 0.0   | 0.8 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.8 |
| 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: P1320071

CATALOG NUMBER: LDSQA3D13R209840DE010 3LSQCA45R 1MB

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 57.0  | 57.0 | 57.0   | 57.0 | 57.0   | 57.0 |
| 2.5°  | 59.3  | 56.2 | 53.9   | 51.6 | 50.8   | 50.8 |
| 5°    | 57.7  | 53.1 | 48.5   | 46.2 | 44.6   | 44.6 |
| 7.5°  | 53.1  | 47.7 | 43.1   | 40.8 | 40.0   | 40.0 |
| 10°   | 47.7  | 41.6 | 36.9   | 35.4 | 35.4   | 34.6 |
| 12.5° | 41.6  | 35.4 | 32.3   | 31.6 | 31.6   | 31.6 |
| 15°   | 34.6  | 30.0 | 27.7   | 27.7 | 28.5   | 29.2 |
| 17.5° | 29.2  | 24.6 | 23.9   | 25.4 | 26.9   | 26.9 |
| 20°   | 24.6  | 21.6 | 21.6   | 23.1 | 24.6   | 25.4 |
| 22.5° | 20.8  | 18.5 | 19.2   | 21.6 | 23.9   | 24.6 |
| 25°   | 18.5  | 16.2 | 17.7   | 20.0 | 22.3   | 23.9 |
| 27.5° | 15.4  | 14.6 | 16.2   | 19.2 | 22.3   | 23.1 |
| 30°   | 13.1  | 13.1 | 15.4   | 18.5 | 21.6   | 22.3 |
| 31°   | 12.3  | 12.3 | 15.4   | 18.5 | 21.6   | 22.3 |
| 32°   | 11.5  | 12.3 | 14.6   | 18.5 | 21.6   | 22.3 |
| 33°   | 10.8  | 11.5 | 14.6   | 17.7 | 21.6   | 22.3 |
| 34°   | 10.0  | 11.5 | 14.6   | 17.7 | 21.6   | 22.3 |
| 35°   | 9.2   | 11.5 | 14.6   | 17.7 | 21.6   | 22.3 |
| 36°   | 8.5   | 10.8 | 13.9   | 17.7 | 21.6   | 22.3 |
| 37°   | 7.7   | 10.8 | 13.9   | 17.7 | 21.6   | 22.3 |
| 38°   | 6.9   | 10.0 | 13.9   | 17.7 | 21.6   | 22.3 |
| 39°   | 6.9   | 10.0 | 13.1   | 17.7 | 20.8   | 22.3 |
| 40°   | 6.2   | 9.2  | 13.1   | 17.7 | 20.8   | 22.3 |
| 41°   | 5.4   | 9.2  | 13.1   | 16.9 | 20.8   | 22.3 |
| 42°   | 4.6   | 8.5  | 12.3   | 16.9 | 20.8   | 22.3 |
| 43°   | 3.8   | 8.5  | 12.3   | 16.9 | 20.8   | 22.3 |
| 44°   | 3.8   | 7.7  | 12.3   | 16.9 | 20.8   | 22.3 |
| 45°   | 3.1   | 7.7  | 12.3   | 16.9 | 20.8   | 22.3 |
| 46°   | 2.3   | 7.7  | 12.3   | 16.9 | 20.8   | 22.3 |
| 47°   | 2.3   | 6.9  | 11.5   | 16.9 | 20.8   | 22.3 |
| 48°   | 1.5   | 6.9  | 11.5   | 16.9 | 20.8   | 22.3 |
| 49°   | 1.5   | 6.9  | 11.5   | 16.9 | 20.8   | 23.1 |
| 50°   | 1.5   | 6.9  | 11.5   | 16.2 | 20.8   | 23.1 |
| 51°   | 0.8   | 6.9  | 11.5   | 16.2 | 20.8   | 23.1 |
| 52°   | 0.8   | 6.9  | 10.8   | 16.2 | 21.6   | 23.1 |
| 53°   | 0.8   | 6.2  | 10.8   | 16.2 | 21.6   | 23.1 |
| 54°   | 0.8   | 6.2  | 10.8   | 16.2 | 21.6   | 22.3 |
| 55°   | 0.8   | 6.2  | 10.8   | 16.2 | 20.8   | 22.3 |
| 56°   | 0.8   | 5.4  | 10.8   | 16.2 | 20.8   | 22.3 |
| 57°   | 0.8   | 5.4  | 10.0   | 15.4 | 20.8   | 21.6 |
| 58°   | 0.8   | 5.4  | 10.0   | 15.4 | 20.8   | 21.6 |
| 59°   | 0.8   | 5.4  | 10.0   | 15.4 | 20.0   | 21.6 |
| 60°   | 1.5   | 4.6  | 9.2    | 14.6 | 20.0   | 21.6 |
| 62.5° | 1.5   | 4.6  | 9.2    | 14.6 | 19.2   | 20.8 |
| 65°   | 1.5   | 4.6  | 8.5    | 13.9 | 19.2   | 20.8 |



TEST NUMBER: P1320071

CATALOG NUMBER: LDSQA3D13R209840DE010 3LSQCA45R 1MB

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.5   | 3.8 | 7.7    | 13.1 | 18.5   | 20.0 |
| 70°   | 1.5   | 4.6 | 7.7    | 12.3 | 17.7   | 19.2 |
| 72.5° | 2.3   | 3.8 | 6.9    | 11.5 | 16.9   | 18.5 |
| 75°   | 2.3   | 3.8 | 6.9    | 10.8 | 16.2   | 16.9 |
| 77.5° | 3.1   | 3.8 | 6.2    | 9.2  | 14.6   | 15.4 |
| 80°   | 3.1   | 3.8 | 5.4    | 7.7  | 12.3   | 13.1 |
| 82.5° | 3.1   | 3.8 | 3.8    | 6.2  | 9.2    | 10.0 |
| 85°   | 2.3   | 3.1 | 3.1    | 3.8  | 6.2    | 6.9  |
| 87.5° | 2.3   | 3.1 | 2.3    | 1.5  | 3.1    | 3.1  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)