

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: P1327711

Luminaire Tested: LDSQA3D13R25W2N902750DE010 3LSQCA45R 1MB\_4000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1327711  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-75)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R25W2N902750DE010 3LSQCA45R 1MB\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 90CRI ,  
3LSQCA45R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

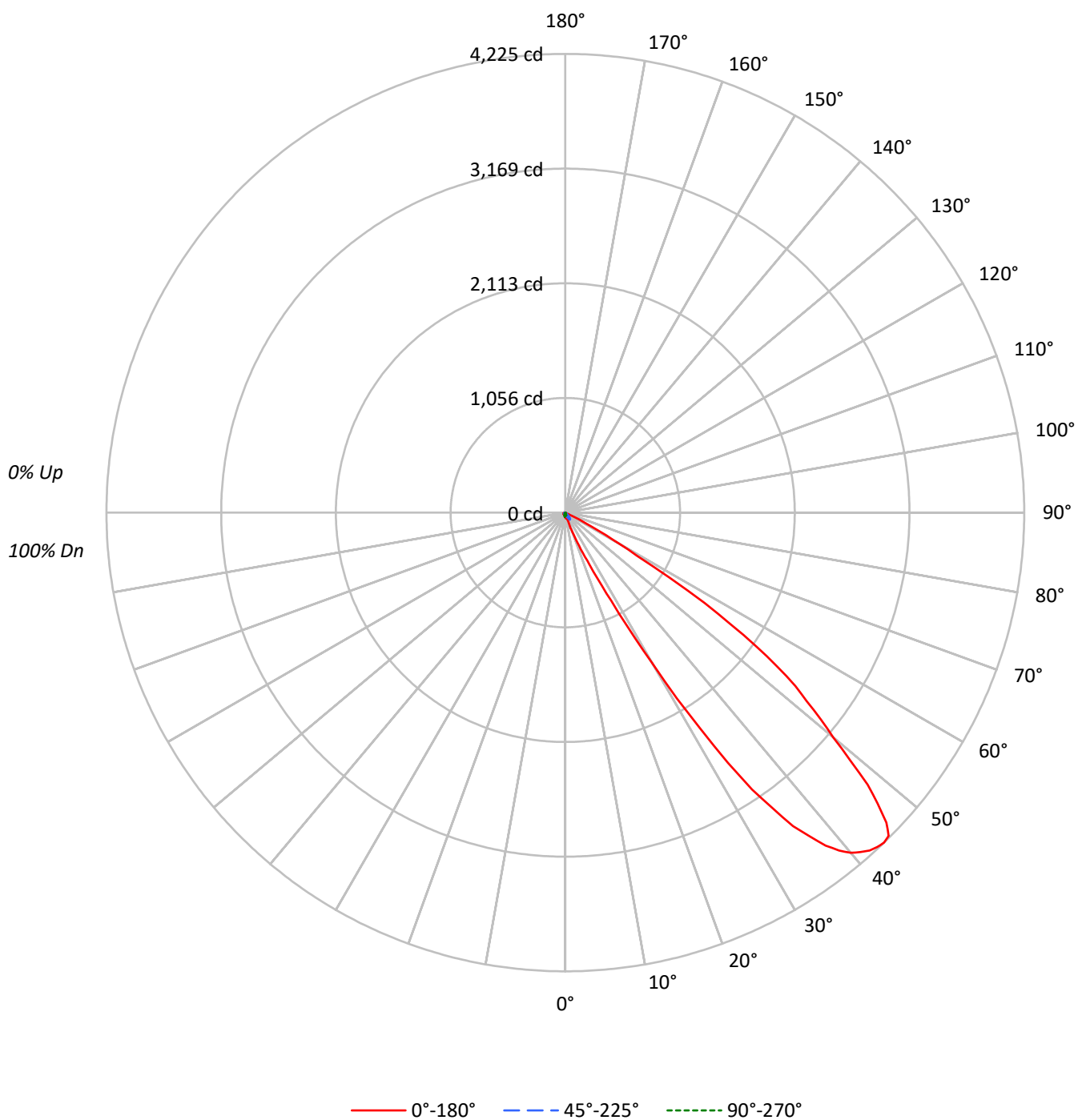
Lumens per Lamp: N/A  
Luminaire Lumens: 881.1 lumens  
Efficiency: N/A  
Efficacy: 71.6 lumens/watt  
Spacing Criteria (0/90/45): 3.65 / 0.6 / 1.37  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.3  
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

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### Luminous Intensity Polar Plot



TEST NUMBER: P1327711

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**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   | 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  | 64  | 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  | 39  | 52  | 44  | 38  | 50  | 43  | 38  | 48  | 42  | 37  | 35  |    |    |
| 7   | 62  | 48  | 39  | 32  | 60  | 47  | 39  | 32  | 46  | 38  | 32  | 44  | 37  | 32  | 43  | 36  | 32  | 29  |    |    |
| 8   | 57  | 43  | 34  | 27  | 55  | 42  | 33  | 27  | 40  | 33  | 27  | 39  | 32  | 27  | 38  | 32  | 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  | 20  | 31  | 24  | 19  | 30  | 24  | 19  | 17  |    |    |

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

|     | 0°      | 45°   | 90°  | 135° | 180°  |
|-----|---------|-------|------|------|-------|
| 0°  | 7750    | 7750  | 7750 | 7750 | 7750  |
| 5°  | 8851    | 8437  | 7503 | 6708 | 6569  |
| 10° | 8814    | 7992  | 6366 | 5561 | 5561  |
| 15° | 9806    | 6918  | 4975 | 4707 | 4975  |
| 20° | 34676   | 6818  | 3830 | 3977 | 4399  |
| 25° | 99745   | 8684  | 3097 | 3687 | 4276  |
| 30° | 318205  | 13404 | 2466 | 3540 | 4315  |
| 35° | 696962  | 15810 | 2123 | 3427 | 4394  |
| 40° | 919404  | 14299 | 1754 | 3485 | 4699  |
| 45° | 1025313 | 10010 | 1705 | 3775 | 5090  |
| 50° | 863059  | 5198  | 1661 | 3939 | 5600  |
| 55° | 645261  | 2102  | 1621 | 4414 | 6275  |
| 60° | 199744  | 551   | 1619 | 4822 | 6958  |
| 65° | 17075   | 0     | 1915 | 5053 | 7580  |
| 70° | 1158    | 403   | 1964 | 5841 | 8611  |
| 75° | 1065    | 532   | 2595 | 6188 | 9782  |
| 80° | 793     | 793   | 3868 | 6943 | 11505 |
| 85° | 1581    | 1581  | 6126 | 7707 | 12251 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1025313 cd/sqm

TEST NUMBER: P1327711

CATALOG NUMBER: LDSQA3D13R25W2N902750DE010 3LSQCA45R 1MB\_4000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 4.0    | 0.5       |
| 10°-20°   | 10.4   | 1.2       |
| 20°-30°   | 48.7   | 5.5       |
| 30°-40°   | 234.7  | 26.6      |
| 40°-50°   | 367.8  | 41.8      |
| 50°-60°   | 188.6  | 21.4      |
| 60°-70°   | 17.8   | 2.0       |
| 70°-80°   | 6.0    | 0.7       |
| 80°-90°   | 3.0    | 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°    | 63.2   | 7.2       |
| 0°-40°    | 297.8  | 33.8      |
| 0°-60°    | 854.2  | 97.0      |
| 0°-90°    | 881.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 881.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 45   | 45  | 45  | 45   | 45   |      |
| 5°  | 51   | 49  | 43  | 39   | 38   | 5    |
| 15° | 55   | 39  | 28  | 26   | 28   | 23   |
| 25° | 525  | 46  | 16  | 19   | 22   | 326  |
| 35° | 3315 | 75  | 10  | 16   | 21   | 2012 |
| 45° | 4210 | 41  | 7   | 16   | 21   | 3080 |
| 55° | 2149 | 7   | 5   | 15   | 21   | 1789 |
| 65° | 42   | 0   | 5   | 12   | 19   | 131  |
| 75° | 2    | 1   | 4   | 9    | 15   | 2    |
| 85° | 1    | 1   | 3   | 4    | 6    | 1    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°    | 22.5°  | 45°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| 0°    | 45.0   | 45.0   | 45.0   | 45.0   | 45.0   | 45.0   | 45.0   | 45.0   | 45.0   | 45.0   | 45.0 |
| 2.5°  | 48.8   | 48.8   | 48.8   | 48.8   | 48.8   | 48.8   | 48.1   | 48.1   | 48.8   | 48.1   | 48.1 |
| 5°    | 51.2   | 51.2   | 51.2   | 51.2   | 51.2   | 51.2   | 51.2   | 50.4   | 50.4   | 50.4   | 48.8 |
| 7.5°  | 51.9   | 51.2   | 51.2   | 51.2   | 51.2   | 51.2   | 51.2   | 51.2   | 50.4   | 50.4   | 48.1 |
| 10°   | 50.4   | 50.4   | 50.4   | 50.4   | 49.6   | 49.6   | 49.6   | 48.8   | 48.8   | 48.8   | 45.7 |
| 12.5° | 50.4   | 50.4   | 50.4   | 50.4   | 49.6   | 49.6   | 48.8   | 48.8   | 48.1   | 47.3   | 41.9 |
| 15°   | 55.0   | 55.0   | 55.0   | 54.3   | 53.5   | 52.7   | 51.9   | 51.2   | 50.4   | 48.8   | 38.8 |
| 17.5° | 80.6   | 78.3   | 77.5   | 74.4   | 70.5   | 66.7   | 63.6   | 60.5   | 57.4   | 55.0   | 37.2 |
| 20°   | 189.2  | 188.4  | 184.5  | 175.2  | 165.1  | 153.5  | 141.9  | 128.7  | 110.1  | 97.7   | 37.2 |
| 22.5° | 327.9  | 323.3  | 316.3  | 309.3  | 291.5  | 270.6  | 248.9  | 224.0  | 200.0  | 174.4  | 39.5 |
| 25°   | 524.9  | 535.7  | 512.4  | 493.8  | 462.8  | 424.8  | 383.8  | 349.6  | 306.2  | 265.9  | 45.7 |
| 27.5° | 912.5  | 919.5  | 873.7  | 813.2  | 741.1  | 661.3  | 583.8  | 525.6  | 452.8  | 386.1  | 57.4 |
| 30°   | 1600.1 | 1607.1 | 1530.4 | 1401.7 | 1252.8 | 1121.8 | 944.3  | 788.4  | 645.0  | 534.2  | 67.4 |
| 31°   | 1997.1 | 1942.8 | 1853.6 | 1728.8 | 1540.4 | 1342.7 | 1129.6 | 941.2  | 759.8  | 614.0  | 70.5 |
| 32°   | 2342.1 | 2337.4 | 2233.5 | 2044.4 | 1855.2 | 1611.0 | 1346.6 | 1100.9 | 878.4  | 694.6  | 72.9 |
| 33°   | 2749.1 | 2718.1 | 2571.5 | 2393.2 | 2142.8 | 1897.1 | 1555.9 | 1275.3 | 1000.1 | 784.6  | 74.4 |
| 34°   | 3075.5 | 2991.7 | 2931.3 | 2727.4 | 2463.0 | 2149.8 | 1784.6 | 1459.8 | 1152.0 | 871.4  | 75.2 |
| 35°   | 3315.0 | 3297.2 | 3179.3 | 2989.4 | 2720.4 | 2400.2 | 2031.2 | 1651.3 | 1279.2 | 972.2  | 75.2 |
| 36°   | 3568.5 | 3513.5 | 3398.7 | 3226.6 | 2964.6 | 2633.6 | 2219.6 | 1817.2 | 1427.3 | 1062.9 | 74.4 |
| 37°   | 3727.4 | 3694.9 | 3580.9 | 3403.4 | 3146.8 | 2830.5 | 2430.4 | 1992.4 | 1545.1 | 1153.6 | 72.9 |
| 38°   | 3891.0 | 3825.1 | 3712.7 | 3542.9 | 3291.0 | 2994.1 | 2583.2 | 2127.3 | 1653.6 | 1233.4 | 70.5 |
| 39°   | 4004.2 | 3936.0 | 3821.3 | 3652.2 | 3405.7 | 3111.1 | 2704.1 | 2242.0 | 1748.2 | 1293.1 | 67.4 |
| 40°   | 4089.5 | 4023.6 | 3907.3 | 3733.6 | 3490.2 | 3203.4 | 2804.9 | 2343.6 | 1827.3 | 1345.1 | 63.6 |
| 41°   | 4142.2 | 4081.0 | 3965.5 | 3792.6 | 3548.4 | 3256.1 | 2870.8 | 2409.5 | 1880.8 | 1380.0 | 59.7 |
| 42°   | 4186.4 | 4123.6 | 4005.8 | 3829.0 | 3584.0 | 3301.1 | 2911.1 | 2451.4 | 1917.2 | 1397.8 | 56.6 |
| 43°   | 4211.2 | 4148.4 | 4033.7 | 3853.0 | 3605.7 | 3322.0 | 2932.8 | 2470.8 | 1929.6 | 1395.5 | 51.2 |
| 44°   | 4225.2 | 4160.0 | 4044.5 | 3863.9 | 3615.0 | 3327.4 | 2934.4 | 2466.9 | 1921.1 | 1376.9 | 46.5 |
| 45°   | 4209.7 | 4145.3 | 4033.7 | 3853.0 | 3598.8 | 3310.4 | 2918.9 | 2445.9 | 1888.5 | 1340.4 | 41.1 |
| 46°   | 4108.9 | 4059.3 | 3956.9 | 3791.0 | 3547.6 | 3266.9 | 2879.3 | 2405.6 | 1838.1 | 1295.5 | 34.9 |
| 47°   | 3931.3 | 3891.8 | 3792.6 | 3669.3 | 3449.1 | 3187.1 | 2806.4 | 2328.9 | 1767.6 | 1228.0 | 27.9 |
| 48°   | 3746.1 | 3687.9 | 3595.7 | 3469.3 | 3283.2 | 3043.7 | 2686.3 | 2216.5 | 1660.6 | 1139.6 | 24.8 |
| 49°   | 3472.4 | 3438.3 | 3356.9 | 3215.8 | 3061.5 | 2850.6 | 2516.5 | 2072.3 | 1529.6 | 1043.5 | 21.7 |
| 50°   | 3221.2 | 3197.9 | 3084.0 | 2980.1 | 2816.5 | 2619.6 | 2286.2 | 1882.3 | 1366.8 | 924.1  | 19.4 |
| 51°   | 3025.1 | 2997.2 | 2915.0 | 2785.5 | 2611.1 | 2382.4 | 2068.4 | 1635.8 | 1179.9 | 782.2  | 15.5 |
| 52°   | 2820.4 | 2804.9 | 2732.0 | 2598.7 | 2427.3 | 2199.4 | 1856.7 | 1426.5 | 998.5  | 661.3  | 12.4 |
| 53°   | 2652.9 | 2630.5 | 2541.3 | 2422.7 | 2237.4 | 2001.7 | 1627.3 | 1231.9 | 845.8  | 555.9  | 10.9 |
| 54°   | 2408.7 | 2399.4 | 2342.1 | 2218.0 | 2017.2 | 1760.6 | 1419.5 | 1037.3 | 705.5  | 471.4  | 9.3  |
| 55°   | 2149.0 | 2118.0 | 2059.9 | 1961.4 | 1776.9 | 1537.3 | 1179.2 | 859.8  | 570.6  | 396.9  | 7.0  |
| 56°   | 1832.7 | 1831.2 | 1727.3 | 1645.1 | 1481.5 | 1227.2 | 941.9  | 671.4  | 463.6  | 331.0  | 6.2  |
| 57°   | 1530.4 | 1481.5 | 1381.5 | 1300.1 | 1124.1 | 931.1  | 699.3  | 503.1  | 362.8  | 268.2  | 4.7  |
| 58°   | 1131.9 | 1106.3 | 1079.9 | 960.5  | 797.7  | 659.7  | 499.3  | 353.5  | 268.2  | 204.7  | 3.1  |
| 59°   | 768.3  | 767.5  | 736.5  | 645.8  | 552.0  | 410.9  | 311.7  | 240.3  | 184.5  | 150.4  | 2.3  |
| 60°   | 579.9  | 565.9  | 503.9  | 444.2  | 347.3  | 259.7  | 184.5  | 141.9  | 114.7  | 96.9   | 1.6  |
| 62.5° | 203.1  | 210.9  | 185.3  | 153.5  | 117.1  | 96.1   | 73.6   | 59.7   | 48.8   | 39.5   | 0.0  |
| 65°   | 41.9   | 45.7   | 39.5   | 37.2   | 29.5   | 25.6   | 22.5   | 19.4   | 16.3   | 14.0   | 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° | 5.4 | 4.7  | 4.7 | 4.7  | 3.9 | 3.9   | 3.9 | 3.9   | 3.1 | 3.1   | 0.8 |
| 70°   | 2.3 | 2.3  | 2.3 | 2.3  | 2.3 | 2.3   | 1.6 | 1.6   | 1.6 | 1.6   | 0.8 |
| 72.5° | 2.3 | 2.3  | 2.3 | 1.6  | 1.6 | 1.6   | 1.6 | 1.6   | 1.6 | 0.8   | 0.8 |
| 75°   | 1.6 | 1.6  | 1.6 | 1.6  | 1.6 | 1.6   | 1.6 | 0.8   | 0.8 | 0.8   | 0.8 |
| 77.5° | 1.6 | 1.6  | 1.6 | 1.6  | 1.6 | 1.6   | 0.8 | 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   | 1.6 |
| 85°   | 0.8 | 0.8  | 0.8 | 0.0  | 0.0 | 0.8   | 0.8 | 0.8   | 0.8 | 0.8   | 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 |

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**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 45.0  | 45.0 | 45.0   | 45.0 | 45.0   | 45.0 |
| 2.5°  | 47.3  | 45.7 | 43.4   | 42.6 | 41.9   | 41.9 |
| 5°    | 46.5  | 43.4 | 41.1   | 38.8 | 38.0   | 38.0 |
| 7.5°  | 44.2  | 40.3 | 37.2   | 35.7 | 34.9   | 34.1 |
| 10°   | 41.9  | 36.4 | 33.3   | 31.8 | 31.8   | 31.8 |
| 12.5° | 37.2  | 32.6 | 29.5   | 28.7 | 29.5   | 29.5 |
| 15°   | 33.3  | 27.9 | 26.4   | 26.4 | 27.1   | 27.9 |
| 17.5° | 28.7  | 24.8 | 23.3   | 24.0 | 24.8   | 25.6 |
| 20°   | 25.6  | 20.9 | 20.9   | 21.7 | 24.0   | 24.0 |
| 22.5° | 22.5  | 18.6 | 18.6   | 20.9 | 22.5   | 23.3 |
| 25°   | 20.2  | 16.3 | 17.1   | 19.4 | 21.7   | 22.5 |
| 27.5° | 17.1  | 14.0 | 15.5   | 18.6 | 20.9   | 21.7 |
| 30°   | 14.7  | 12.4 | 14.7   | 17.8 | 20.2   | 21.7 |
| 31°   | 14.0  | 11.6 | 14.7   | 17.1 | 20.2   | 21.7 |
| 32°   | 12.4  | 11.6 | 14.0   | 17.1 | 20.2   | 20.9 |
| 33°   | 11.6  | 10.9 | 14.0   | 17.1 | 20.2   | 20.9 |
| 34°   | 10.9  | 10.1 | 13.2   | 17.1 | 20.2   | 20.9 |
| 35°   | 9.3   | 10.1 | 13.2   | 16.3 | 19.4   | 20.9 |
| 36°   | 8.5   | 9.3  | 13.2   | 16.3 | 19.4   | 20.9 |
| 37°   | 7.8   | 9.3  | 12.4   | 16.3 | 19.4   | 20.9 |
| 38°   | 7.0   | 8.5  | 12.4   | 16.3 | 19.4   | 20.9 |
| 39°   | 6.2   | 8.5  | 11.6   | 16.3 | 19.4   | 20.9 |
| 40°   | 5.4   | 7.8  | 11.6   | 15.5 | 19.4   | 20.9 |
| 41°   | 5.4   | 7.8  | 11.6   | 15.5 | 19.4   | 20.9 |
| 42°   | 4.7   | 7.8  | 11.6   | 15.5 | 19.4   | 20.9 |
| 43°   | 3.9   | 7.0  | 11.6   | 15.5 | 19.4   | 20.9 |
| 44°   | 3.1   | 7.0  | 10.9   | 15.5 | 19.4   | 20.9 |
| 45°   | 3.1   | 7.0  | 10.9   | 15.5 | 19.4   | 20.9 |
| 46°   | 2.3   | 6.2  | 10.9   | 15.5 | 19.4   | 20.9 |
| 47°   | 1.6   | 6.2  | 10.9   | 14.7 | 19.4   | 20.9 |
| 48°   | 1.6   | 6.2  | 10.9   | 14.7 | 19.4   | 20.9 |
| 49°   | 1.6   | 6.2  | 10.1   | 14.7 | 19.4   | 20.9 |
| 50°   | 1.6   | 6.2  | 10.1   | 14.7 | 19.4   | 20.9 |
| 51°   | 0.8   | 5.4  | 10.1   | 14.7 | 19.4   | 20.9 |
| 52°   | 0.8   | 5.4  | 10.1   | 14.7 | 19.4   | 21.7 |
| 53°   | 0.8   | 5.4  | 10.1   | 14.7 | 19.4   | 20.9 |
| 54°   | 0.8   | 5.4  | 9.3    | 14.7 | 19.4   | 20.9 |
| 55°   | 0.8   | 5.4  | 9.3    | 14.7 | 19.4   | 20.9 |
| 56°   | 0.8   | 4.7  | 9.3    | 14.0 | 19.4   | 20.9 |
| 57°   | 1.6   | 4.7  | 9.3    | 14.0 | 19.4   | 20.2 |
| 58°   | 1.6   | 4.7  | 9.3    | 14.0 | 18.6   | 20.2 |
| 59°   | 1.6   | 4.7  | 9.3    | 14.0 | 18.6   | 20.2 |
| 60°   | 1.6   | 4.7  | 8.5    | 14.0 | 18.6   | 20.2 |
| 62.5° | 1.6   | 4.7  | 8.5    | 13.2 | 17.8   | 19.4 |
| 65°   | 1.6   | 4.7  | 7.8    | 12.4 | 17.8   | 18.6 |



TEST NUMBER: P1327711

CATALOG NUMBER: LDSQA3D13R25W2N902750DE010 3LSQCA45R 1MB\_4000K

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.6   | 3.9 | 7.8    | 11.6 | 17.1   | 17.8 |
| 70°   | 2.3   | 3.9 | 7.0    | 11.6 | 16.3   | 17.1 |
| 72.5° | 2.3   | 3.9 | 7.0    | 10.1 | 14.7   | 16.3 |
| 75°   | 2.3   | 3.9 | 6.2    | 9.3  | 14.0   | 14.7 |
| 77.5° | 2.3   | 3.9 | 5.4    | 8.5  | 12.4   | 13.2 |
| 80°   | 3.1   | 3.9 | 4.7    | 7.0  | 10.9   | 11.6 |
| 82.5° | 3.1   | 3.9 | 3.9    | 5.4  | 8.5    | 9.3  |
| 85°   | 2.3   | 3.1 | 3.1    | 3.9  | 5.4    | 6.2  |
| 87.5° | 2.3   | 3.1 | 2.3    | 1.6  | 3.1    | 3.1  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)