

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: P1326020

Luminaire Tested: LDSQA3D09R20W2N902765DE010 3LSQCA45R 1MB\_6500K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1326020  
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: LDSQA3D09R20W2N902765DE010 3LSQCA45R 1MB\_6500K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 6500K CCT AND, 90CRI ,  
3LSQCA45R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

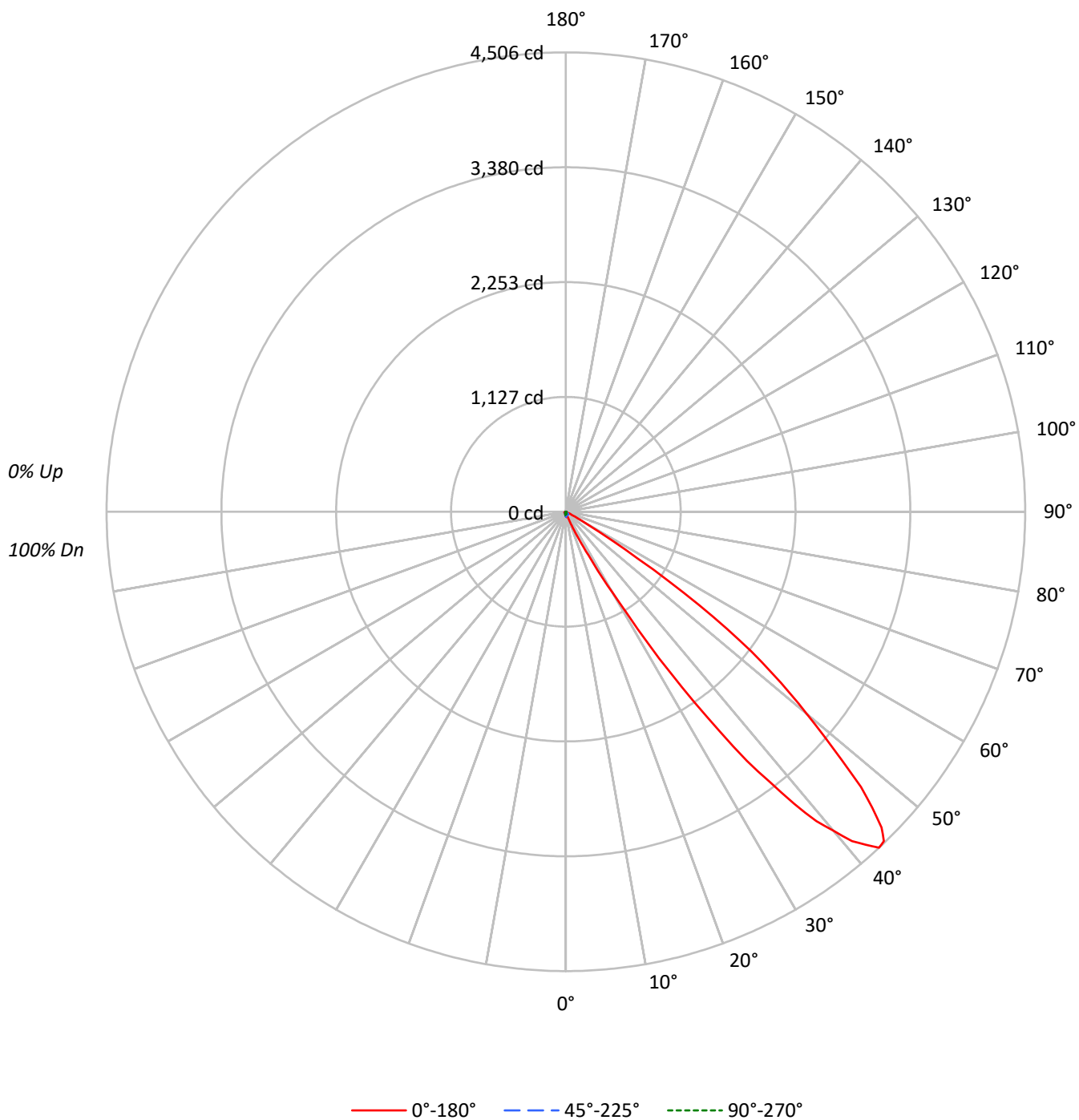
Lumens per Lamp: N/A  
Luminaire Lumens: 626.0 lumens  
Efficiency: N/A  
Efficacy: 69.6 lumens/watt  
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.13  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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

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### Luminous Intensity Polar Plot



TEST NUMBER: P1326020

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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 |
| 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°  | 7492    | 7492 | 7492 | 7492 | 7492  |
| 5°  | 8748    | 8143 | 7019 | 6103 | 5895  |
| 10° | 8639    | 7415 | 5561 | 4739 | 4634  |
| 15° | 7560    | 5670 | 4083 | 3780 | 3994  |
| 20° | 11216   | 4747 | 3024 | 3226 | 3556  |
| 25° | 48286   | 4922 | 2356 | 2907 | 3458  |
| 30° | 182618  | 5966 | 1989 | 2804 | 3401  |
| 35° | 553617  | 7169 | 1850 | 2838 | 3595  |
| 40° | 918010  | 7149 | 1596 | 3035 | 3844  |
| 45° | 1067035 | 4871 | 1437 | 3142 | 4165  |
| 50° | 828308  | 2679 | 1420 | 3322 | 4716  |
| 55° | 479397  | 1772 | 1411 | 3723 | 5134  |
| 60° | 81048   | 413  | 1206 | 3858 | 5683  |
| 65° | 6235    | 0    | 1426 | 4320 | 6479  |
| 70° | 906     | 0    | 1762 | 4733 | 7402  |
| 75° | 799     | 399  | 1930 | 5456 | 8584  |
| 80° | 595     | 595  | 2876 | 5852 | 9918  |
| 85° | 1186    | 1186 | 4742 | 5730 | 10473 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1067035 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.7    | 0.6       |
| 10°-20°   | 7.8    | 1.3       |
| 20°-30°   | 25.0   | 4.0       |
| 30°-40°   | 159.6  | 25.5      |
| 40°-50°   | 292.2  | 46.7      |
| 50°-60°   | 120.1  | 19.2      |
| 60°-70°   | 10.1   | 1.6       |
| 70°-80°   | 5.0    | 0.8       |
| 80°-90°   | 2.4    | 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°    | 36.6   | 5.8       |
| 0°-40°    | 196.2  | 31.3      |
| 0°-60°    | 608.5  | 97.2      |
| 0°-90°    | 626.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 626.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 44   | 44  | 44  | 44   | 44   |      |
| 5°  | 51   | 47  | 41  | 35   | 34   | 5    |
| 15° | 42   | 32  | 23  | 21   | 22   | 13   |
| 25° | 254  | 26  | 12  | 15   | 18   | 167  |
| 35° | 2633 | 34  | 9   | 14   | 17   | 1667 |
| 45° | 4381 | 20  | 6   | 13   | 17   | 3146 |
| 55° | 1597 | 6   | 5   | 12   | 17   | 1396 |
| 65° | 15   | 0   | 4   | 11   | 16   | 50   |
| 75° | 1    | 1   | 3   | 8    | 13   | 1    |
| 85° | 1    | 1   | 2   | 3    | 5    | 0    |
| 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°    | 43.5   | 43.5   | 43.5   | 43.5   | 43.5   | 43.5   | 43.5   | 43.5   | 43.5   | 43.5  | 43.5 |
| 2.5°  | 47.7   | 47.7   | 47.7   | 47.1   | 47.1   | 47.7   | 47.1   | 47.1   | 47.1   | 47.1  | 46.5 |
| 5°    | 50.6   | 50.6   | 50.6   | 50.6   | 50.6   | 50.6   | 50.6   | 50.0   | 50.0   | 49.4  | 47.1 |
| 7.5°  | 51.8   | 51.8   | 51.8   | 51.8   | 51.2   | 51.2   | 51.2   | 51.2   | 50.6   | 50.0  | 45.9 |
| 10°   | 49.4   | 49.4   | 49.4   | 48.8   | 48.8   | 48.8   | 48.2   | 48.2   | 47.7   | 47.1  | 42.4 |
| 12.5° | 44.7   | 44.7   | 44.7   | 44.7   | 44.1   | 44.1   | 43.5   | 43.5   | 42.9   | 42.4  | 37.1 |
| 15°   | 42.4   | 42.4   | 42.4   | 41.8   | 41.8   | 41.2   | 40.6   | 40.0   | 39.4   | 38.2  | 31.8 |
| 17.5° | 45.9   | 45.9   | 45.3   | 45.3   | 44.1   | 42.9   | 42.4   | 40.6   | 39.4   | 37.7  | 28.2 |
| 20°   | 61.2   | 61.8   | 59.4   | 57.7   | 56.5   | 52.9   | 51.2   | 48.2   | 45.9   | 42.9  | 25.9 |
| 22.5° | 123.5  | 121.2  | 117.1  | 110.6  | 103.0  | 96.5   | 84.7   | 75.3   | 68.8   | 60.0  | 25.3 |
| 25°   | 254.1  | 251.8  | 240.6  | 231.2  | 207.7  | 189.4  | 164.1  | 143.5  | 122.4  | 101.8 | 25.9 |
| 27.5° | 483.0  | 467.1  | 464.2  | 421.2  | 388.3  | 341.2  | 292.4  | 251.2  | 213.6  | 171.8 | 27.6 |
| 30°   | 918.3  | 900.1  | 836.0  | 771.3  | 682.4  | 581.8  | 485.9  | 396.5  | 321.8  | 254.1 | 30.0 |
| 31°   | 1165.4 | 1183.1 | 1107.8 | 977.7  | 846.6  | 717.7  | 586.5  | 473.0  | 376.5  | 292.4 | 31.2 |
| 32°   | 1531.9 | 1454.8 | 1375.4 | 1241.9 | 1051.3 | 886.6  | 721.8  | 558.3  | 431.2  | 333.6 | 32.4 |
| 33°   | 1878.4 | 1833.1 | 1711.9 | 1545.4 | 1316.6 | 1085.4 | 871.9  | 658.9  | 498.3  | 383.6 | 32.9 |
| 34°   | 2247.9 | 2197.9 | 2099.6 | 1860.8 | 1609.6 | 1306.6 | 1021.9 | 774.8  | 578.3  | 432.4 | 33.5 |
| 35°   | 2633.2 | 2612.0 | 2422.6 | 2215.5 | 1906.7 | 1541.3 | 1202.5 | 901.9  | 656.5  | 477.1 | 34.1 |
| 36°   | 3020.9 | 2952.6 | 2804.4 | 2502.0 | 2179.6 | 1758.4 | 1391.9 | 1020.1 | 736.0  | 530.1 | 34.1 |
| 37°   | 3312.7 | 3297.4 | 3100.9 | 2806.2 | 2427.3 | 1990.2 | 1555.4 | 1151.3 | 816.0  | 575.4 | 34.1 |
| 38°   | 3634.5 | 3573.9 | 3374.4 | 3074.4 | 2660.3 | 2202.6 | 1726.6 | 1265.4 | 891.9  | 616.5 | 33.5 |
| 39°   | 3905.7 | 3815.7 | 3614.5 | 3318.0 | 2863.8 | 2363.8 | 1862.5 | 1376.0 | 958.9  | 650.7 | 32.9 |
| 40°   | 4083.3 | 4021.0 | 3811.0 | 3477.4 | 3048.5 | 2516.1 | 2000.2 | 1467.2 | 1008.9 | 676.5 | 31.8 |
| 41°   | 4279.2 | 4175.7 | 3968.0 | 3632.7 | 3182.7 | 2650.3 | 2086.7 | 1527.2 | 1047.7 | 693.6 | 30.6 |
| 42°   | 4396.3 | 4311.6 | 4065.1 | 3736.8 | 3278.6 | 2726.7 | 2157.3 | 1573.1 | 1071.3 | 702.4 | 28.2 |
| 43°   | 4505.7 | 4390.4 | 4150.4 | 3797.4 | 3342.1 | 2780.9 | 2189.6 | 1594.3 | 1076.6 | 702.4 | 25.3 |
| 44°   | 4491.0 | 4381.6 | 4132.8 | 3805.7 | 3356.2 | 2796.7 | 2203.2 | 1594.9 | 1068.3 | 693.6 | 22.4 |
| 45°   | 4381.0 | 4272.2 | 4048.0 | 3733.9 | 3305.6 | 2765.6 | 2176.1 | 1571.3 | 1045.4 | 678.3 | 20.0 |
| 46°   | 4179.2 | 4071.0 | 3899.2 | 3613.9 | 3211.5 | 2695.0 | 2113.1 | 1520.1 | 1007.2 | 653.6 | 17.6 |
| 47°   | 3959.8 | 3854.5 | 3678.6 | 3420.3 | 3050.9 | 2569.1 | 2022.0 | 1448.4 | 953.6  | 617.7 | 15.9 |
| 48°   | 3641.5 | 3575.6 | 3399.2 | 3178.5 | 2827.9 | 2372.0 | 1861.9 | 1331.3 | 881.9  | 571.2 | 13.5 |
| 49°   | 3360.3 | 3290.9 | 3136.2 | 2899.1 | 2537.3 | 2142.6 | 1670.8 | 1188.9 | 788.3  | 519.5 | 11.8 |
| 50°   | 3091.5 | 3030.9 | 2887.9 | 2620.3 | 2274.9 | 1865.5 | 1412.5 | 1009.5 | 670.7  | 455.3 | 10.0 |
| 51°   | 2828.5 | 2783.2 | 2637.3 | 2391.4 | 2040.8 | 1652.5 | 1223.6 | 840.7  | 554.2  | 377.7 | 9.4  |
| 52°   | 2564.4 | 2559.1 | 2400.8 | 2152.0 | 1813.1 | 1440.1 | 1040.1 | 709.5  | 470.0  | 317.1 | 8.8  |
| 53°   | 2280.2 | 2246.1 | 2107.9 | 1884.3 | 1559.0 | 1218.9 | 881.9  | 598.3  | 404.7  | 270.0 | 7.6  |
| 54°   | 1956.7 | 1918.4 | 1770.2 | 1568.4 | 1273.7 | 998.3  | 710.7  | 483.6  | 337.1  | 228.3 | 7.1  |
| 55°   | 1596.6 | 1531.3 | 1423.7 | 1216.6 | 994.8  | 761.8  | 548.9  | 383.0  | 269.4  | 190.0 | 5.9  |
| 56°   | 1211.3 | 1146.0 | 1085.4 | 933.0  | 730.1  | 568.3  | 408.9  | 293.6  | 210.6  | 150.0 | 5.3  |
| 57°   | 842.4  | 838.9  | 739.5  | 622.4  | 488.3  | 387.1  | 280.0  | 207.1  | 148.8  | 116.5 | 4.1  |
| 58°   | 546.5  | 528.3  | 464.8  | 397.1  | 319.4  | 241.8  | 180.0  | 140.6  | 101.2  | 79.4  | 3.5  |
| 59°   | 383.0  | 346.5  | 312.4  | 264.7  | 201.2  | 152.4  | 115.9  | 90.0   | 70.0   | 55.3  | 2.4  |
| 60°   | 235.3  | 227.7  | 204.7  | 161.2  | 130.6  | 107.7  | 86.5   | 66.5   | 51.2   | 39.4  | 1.2  |
| 62.5° | 67.1   | 68.2   | 61.8   | 54.7   | 47.1   | 40.6   | 36.5   | 31.2   | 25.9   | 20.6  | 0.0  |
| 65°   | 15.3   | 14.7   | 15.9   | 14.7   | 13.5   | 13.5   | 11.8   | 10.6   | 9.4    | 8.8   | 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° | 4.7 | 4.7  | 4.1 | 4.1  | 4.1 | 3.5   | 3.5 | 2.9   | 2.9 | 2.4   | 0.0 |
| 70°   | 1.8 | 1.8  | 1.8 | 1.8  | 1.8 | 1.2   | 1.2 | 1.2   | 0.6 | 0.6   | 0.0 |
| 72.5° | 1.8 | 1.8  | 1.8 | 1.2  | 1.2 | 1.2   | 1.2 | 1.2   | 0.6 | 0.6   | 0.6 |
| 75°   | 1.2 | 1.2  | 1.2 | 1.2  | 1.2 | 1.2   | 1.2 | 0.6   | 0.6 | 0.6   | 0.6 |
| 77.5° | 1.2 | 1.2  | 1.2 | 1.2  | 1.2 | 0.6   | 1.2 | 0.6   | 0.6 | 0.6   | 0.6 |
| 80°   | 0.6 | 0.6  | 0.6 | 0.6  | 0.6 | 0.6   | 0.6 | 0.6   | 0.6 | 0.6   | 0.6 |
| 82.5° | 0.6 | 0.6  | 0.6 | 0.6  | 0.6 | 0.6   | 0.6 | 0.6   | 0.6 | 0.6   | 0.6 |
| 85°   | 0.6 | 0.6  | 0.6 | 0.6  | 0.0 | 0.0   | 0.6 | 0.6   | 0.6 | 0.0   | 0.6 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.6 |
| 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°    | 43.5  | 43.5 | 43.5   | 43.5 | 43.5   | 43.5 |
| 2.5°  | 45.3  | 42.9 | 41.2   | 39.4 | 38.8   | 38.8 |
| 5°    | 44.1  | 40.6 | 37.1   | 35.3 | 34.1   | 34.1 |
| 7.5°  | 40.6  | 36.5 | 32.9   | 31.2 | 30.6   | 30.6 |
| 10°   | 36.5  | 31.8 | 28.2   | 27.1 | 27.1   | 26.5 |
| 12.5° | 31.8  | 27.1 | 24.7   | 24.1 | 24.1   | 24.1 |
| 15°   | 26.5  | 22.9 | 21.2   | 21.2 | 21.8   | 22.4 |
| 17.5° | 22.4  | 18.8 | 18.2   | 19.4 | 20.6   | 20.6 |
| 20°   | 18.8  | 16.5 | 16.5   | 17.6 | 18.8   | 19.4 |
| 22.5° | 15.9  | 14.1 | 14.7   | 16.5 | 18.2   | 18.8 |
| 25°   | 14.1  | 12.4 | 13.5   | 15.3 | 17.1   | 18.2 |
| 27.5° | 11.8  | 11.2 | 12.4   | 14.7 | 17.1   | 17.6 |
| 30°   | 10.0  | 10.0 | 11.8   | 14.1 | 16.5   | 17.1 |
| 31°   | 9.4   | 9.4  | 11.8   | 14.1 | 16.5   | 17.1 |
| 32°   | 8.8   | 9.4  | 11.2   | 14.1 | 16.5   | 17.1 |
| 33°   | 8.2   | 8.8  | 11.2   | 13.5 | 16.5   | 17.1 |
| 34°   | 7.6   | 8.8  | 11.2   | 13.5 | 16.5   | 17.1 |
| 35°   | 7.1   | 8.8  | 11.2   | 13.5 | 16.5   | 17.1 |
| 36°   | 6.5   | 8.2  | 10.6   | 13.5 | 16.5   | 17.1 |
| 37°   | 5.9   | 8.2  | 10.6   | 13.5 | 16.5   | 17.1 |
| 38°   | 5.3   | 7.6  | 10.6   | 13.5 | 16.5   | 17.1 |
| 39°   | 5.3   | 7.6  | 10.0   | 13.5 | 15.9   | 17.1 |
| 40°   | 4.7   | 7.1  | 10.0   | 13.5 | 15.9   | 17.1 |
| 41°   | 4.1   | 7.1  | 10.0   | 12.9 | 15.9   | 17.1 |
| 42°   | 3.5   | 6.5  | 9.4    | 12.9 | 15.9   | 17.1 |
| 43°   | 2.9   | 6.5  | 9.4    | 12.9 | 15.9   | 17.1 |
| 44°   | 2.9   | 5.9  | 9.4    | 12.9 | 15.9   | 17.1 |
| 45°   | 2.4   | 5.9  | 9.4    | 12.9 | 15.9   | 17.1 |
| 46°   | 1.8   | 5.9  | 9.4    | 12.9 | 15.9   | 17.1 |
| 47°   | 1.8   | 5.3  | 8.8    | 12.9 | 15.9   | 17.1 |
| 48°   | 1.2   | 5.3  | 8.8    | 12.9 | 15.9   | 17.1 |
| 49°   | 1.2   | 5.3  | 8.8    | 12.9 | 15.9   | 17.6 |
| 50°   | 1.2   | 5.3  | 8.8    | 12.4 | 15.9   | 17.6 |
| 51°   | 0.6   | 5.3  | 8.8    | 12.4 | 15.9   | 17.6 |
| 52°   | 0.6   | 5.3  | 8.2    | 12.4 | 16.5   | 17.6 |
| 53°   | 0.6   | 4.7  | 8.2    | 12.4 | 16.5   | 17.6 |
| 54°   | 0.6   | 4.7  | 8.2    | 12.4 | 16.5   | 17.1 |
| 55°   | 0.6   | 4.7  | 8.2    | 12.4 | 15.9   | 17.1 |
| 56°   | 0.6   | 4.1  | 8.2    | 12.4 | 15.9   | 17.1 |
| 57°   | 0.6   | 4.1  | 7.6    | 11.8 | 15.9   | 16.5 |
| 58°   | 0.6   | 4.1  | 7.6    | 11.8 | 15.9   | 16.5 |
| 59°   | 0.6   | 4.1  | 7.6    | 11.8 | 15.3   | 16.5 |
| 60°   | 1.2   | 3.5  | 7.1    | 11.2 | 15.3   | 16.5 |
| 62.5° | 1.2   | 3.5  | 7.1    | 11.2 | 14.7   | 15.9 |
| 65°   | 1.2   | 3.5  | 6.5    | 10.6 | 14.7   | 15.9 |



TEST NUMBER: P1326020

CATALOG NUMBER: LDSQA3D09R20W2N902765DE010 3LSQCA45R 1MB\_6500K

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.2   | 2.9 | 5.9    | 10.0 | 14.1   | 15.3 |
| 70°   | 1.2   | 3.5 | 5.9    | 9.4  | 13.5   | 14.7 |
| 72.5° | 1.8   | 2.9 | 5.3    | 8.8  | 12.9   | 14.1 |
| 75°   | 1.8   | 2.9 | 5.3    | 8.2  | 12.4   | 12.9 |
| 77.5° | 2.4   | 2.9 | 4.7    | 7.1  | 11.2   | 11.8 |
| 80°   | 2.4   | 2.9 | 4.1    | 5.9  | 9.4    | 10.0 |
| 82.5° | 2.4   | 2.9 | 2.9    | 4.7  | 7.1    | 7.6  |
| 85°   | 1.8   | 2.4 | 2.4    | 2.9  | 4.7    | 5.3  |
| 87.5° | 1.8   | 2.4 | 1.8    | 1.2  | 2.4    | 2.4  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)