

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: P1327625

Luminaire Tested: LDSQA3D13R20W2N902765DE010 3LSQCA45R 1MB\_5000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1327625  
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: LDSQA3D13R20W2N902765DE010 3LSQCA45R 1MB\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,  
3LSQCA45R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

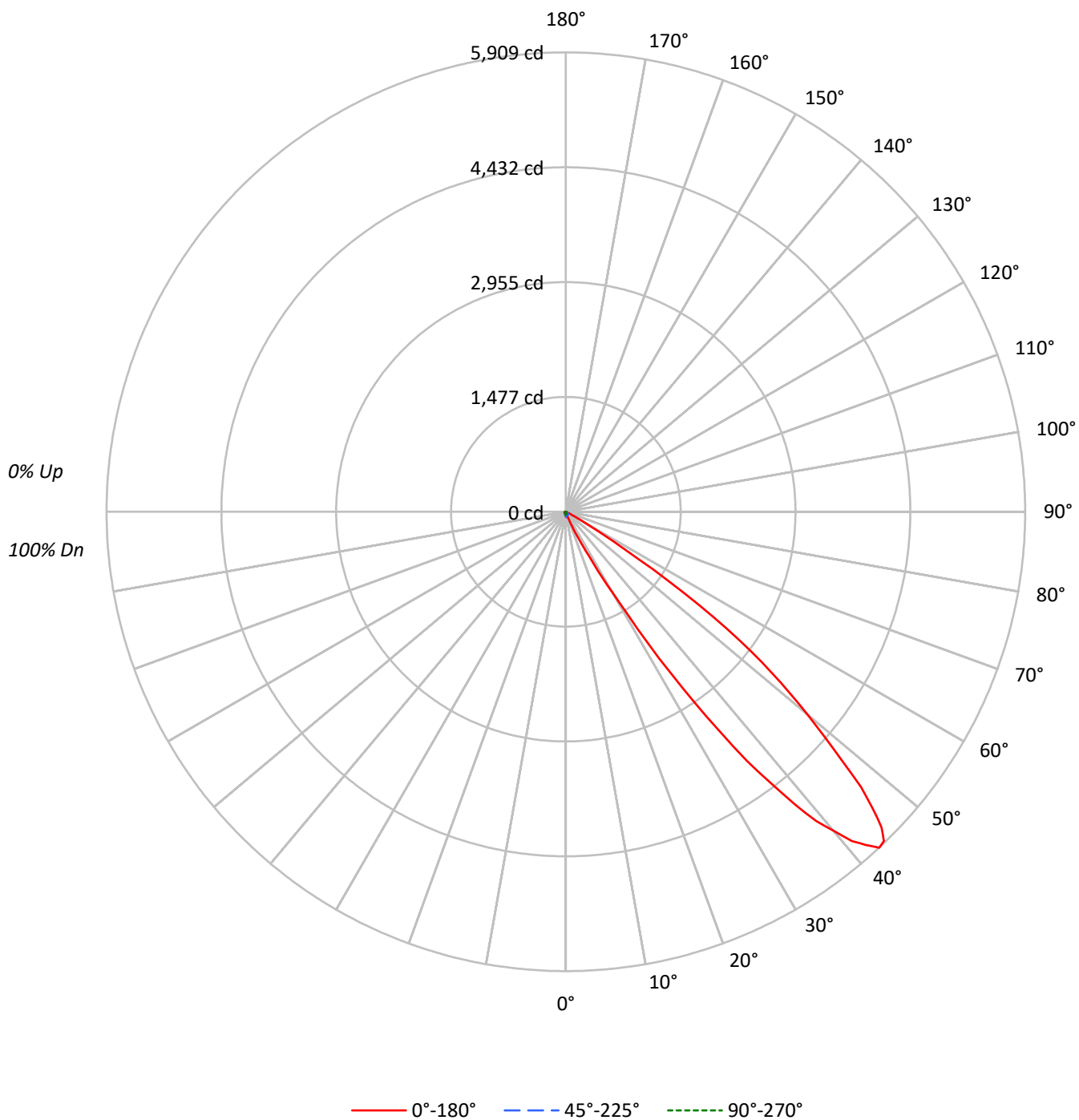
Lumens per Lamp: N/A  
Luminaire Lumens: 821.0 lumens  
Efficiency: N/A  
Efficacy: 66.7 lumens/watt  
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.13  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1327625

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### Luminous Intensity Polar Plot



TEST NUMBER: P1327625

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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  | 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°  | 9834    | 9834  | 9834 | 9834 | 9834  |
| 5°  | 11479   | 10667 | 9197 | 8004 | 7728  |
| 10° | 11332   | 9723  | 7292 | 6208 | 6068  |
| 15° | 9913    | 7435  | 5367 | 4957 | 5224  |
| 20° | 14699   | 6213  | 3959 | 4234 | 4674  |
| 25° | 63336   | 6442  | 3078 | 3820 | 4542  |
| 30° | 239514  | 7815  | 2605 | 3679 | 4455  |
| 35° | 726060  | 9398  | 2439 | 3721 | 4709  |
| 40° | 1203982 | 9375  | 2091 | 3979 | 5036  |
| 45° | 1399420 | 6381  | 1875 | 4141 | 5456  |
| 50° | 1086326 | 3510  | 1849 | 4340 | 6189  |
| 55° | 628747  | 2312  | 1862 | 4864 | 6726  |
| 60° | 106296  | 517   | 1584 | 5063 | 7440  |
| 65° | 8191    | 0     | 1875 | 5664 | 8476  |
| 70° | 1158    | 0     | 2316 | 6194 | 9718  |
| 75° | 998     | 532   | 2595 | 7187 | 11312 |
| 80° | 793     | 793   | 3868 | 7637 | 12992 |
| 85° | 1581    | 1581  | 6126 | 7707 | 13635 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1399420 cd/sqm

TEST NUMBER: P1327625

CATALOG NUMBER: LDSQA3D13R20W2N902765DE010 3LSQCA45R 1MB\_5000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 4.9    | 0.6       |
| 10°-20°   | 10.3   | 1.3       |
| 20°-30°   | 32.8   | 4.0       |
| 30°-40°   | 209.4  | 25.5      |
| 40°-50°   | 383.2  | 46.7      |
| 50°-60°   | 157.4  | 19.2      |
| 60°-70°   | 13.3   | 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°    | 48.0   | 5.8       |
| 0°-40°    | 257.3  | 31.3      |
| 0°-60°    | 798.0  | 97.2      |
| 0°-90°    | 821.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 821.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 57   | 57  | 57  | 57   | 57   |      |
| 5°  | 66   | 62  | 53  | 46   | 45   | 6    |
| 15° | 56   | 42  | 30  | 28   | 29   | 18   |
| 25° | 333  | 34  | 16  | 20   | 24   | 219  |
| 35° | 3453 | 45  | 12  | 18   | 22   | 2186 |
| 45° | 5746 | 26  | 8   | 17   | 22   | 4125 |
| 55° | 2094 | 8   | 6   | 16   | 22   | 1830 |
| 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    |      |

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CATALOG NUMBER: LDSQA3D13R20W2N902765DE010 3LSQCA45R 1MB\_5000K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°    | 22.5° | 45°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|
| 0°    | 57.1   | 57.1   | 57.1   | 57.1   | 57.1   | 57.1   | 57.1   | 57.1   | 57.1   | 57.1  | 57.1 |
| 2.5°  | 62.5   | 62.5   | 62.5   | 61.7   | 61.7   | 62.5   | 61.7   | 61.7   | 61.7   | 61.7  | 61.0 |
| 5°    | 66.4   | 66.4   | 66.4   | 66.4   | 66.4   | 66.4   | 66.4   | 65.6   | 65.6   | 64.8  | 61.7 |
| 7.5°  | 67.9   | 67.9   | 67.9   | 67.9   | 67.1   | 67.1   | 67.1   | 67.1   | 66.4   | 65.6  | 60.2 |
| 10°   | 64.8   | 64.8   | 64.8   | 64.0   | 64.0   | 64.0   | 63.3   | 63.3   | 62.5   | 61.7  | 55.6 |
| 12.5° | 58.6   | 58.6   | 58.6   | 58.6   | 57.9   | 57.9   | 57.1   | 57.1   | 56.3   | 55.6  | 48.6 |
| 15°   | 55.6   | 55.6   | 55.6   | 54.8   | 54.8   | 54.0   | 53.2   | 52.5   | 51.7   | 50.2  | 41.7 |
| 17.5° | 60.2   | 60.2   | 59.4   | 59.4   | 57.9   | 56.3   | 55.6   | 53.2   | 51.7   | 49.4  | 37.0 |
| 20°   | 80.2   | 81.0   | 77.9   | 75.6   | 74.1   | 69.4   | 67.1   | 63.3   | 60.2   | 56.3  | 33.9 |
| 22.5° | 162.0  | 158.9  | 153.5  | 145.1  | 135.0  | 126.5  | 111.1  | 98.8   | 90.3   | 78.7  | 33.2 |
| 25°   | 333.3  | 330.2  | 315.6  | 303.2  | 272.4  | 248.4  | 215.3  | 188.3  | 160.5  | 133.5 | 33.9 |
| 27.5° | 633.4  | 612.6  | 608.8  | 552.4  | 509.2  | 447.5  | 383.5  | 329.5  | 280.1  | 225.3 | 36.3 |
| 30°   | 1204.4 | 1180.5 | 1096.4 | 1011.5 | 895.0  | 763.1  | 637.3  | 520.0  | 422.0  | 333.3 | 39.3 |
| 31°   | 1528.4 | 1551.6 | 1452.8 | 1282.3 | 1110.3 | 941.3  | 769.2  | 620.3  | 493.8  | 383.5 | 40.9 |
| 32°   | 2009.1 | 1908.0 | 1803.9 | 1628.7 | 1378.8 | 1162.7 | 946.7  | 732.2  | 565.5  | 437.5 | 42.4 |
| 33°   | 2463.6 | 2404.1 | 2245.2 | 2026.9 | 1726.7 | 1423.5 | 1143.4 | 864.1  | 653.5  | 503.0 | 43.2 |
| 34°   | 2948.1 | 2882.5 | 2753.7 | 2440.4 | 2111.0 | 1713.6 | 1340.2 | 1016.1 | 758.4  | 567.1 | 44.0 |
| 35°   | 3453.4 | 3425.7 | 3177.2 | 2905.6 | 2500.6 | 2021.5 | 1577.0 | 1182.8 | 861.0  | 625.7 | 44.7 |
| 36°   | 3961.9 | 3872.4 | 3678.0 | 3281.4 | 2858.6 | 2306.2 | 1825.5 | 1337.9 | 965.2  | 695.2 | 44.7 |
| 37°   | 4344.6 | 4324.5 | 4066.8 | 3680.3 | 3183.4 | 2610.1 | 2040.0 | 1509.9 | 1070.1 | 754.6 | 44.7 |
| 38°   | 4766.6 | 4687.1 | 4425.6 | 4032.1 | 3488.9 | 2888.7 | 2264.5 | 1659.6 | 1169.7 | 808.6 | 44.0 |
| 39°   | 5122.3 | 5004.3 | 4740.4 | 4351.5 | 3755.9 | 3100.1 | 2442.7 | 1804.6 | 1257.6 | 853.3 | 43.2 |
| 40°   | 5355.3 | 5273.5 | 4998.1 | 4560.6 | 3998.2 | 3299.9 | 2623.3 | 1924.2 | 1323.2 | 887.3 | 41.7 |
| 41°   | 5612.2 | 5476.4 | 5204.1 | 4764.3 | 4174.1 | 3475.8 | 2736.7 | 2002.9 | 1374.1 | 909.7 | 40.1 |
| 42°   | 5765.8 | 5654.7 | 5331.4 | 4900.9 | 4299.8 | 3576.1 | 2829.3 | 2063.1 | 1405.0 | 921.2 | 37.0 |
| 43°   | 5909.3 | 5758.1 | 5443.3 | 4980.3 | 4383.2 | 3647.1 | 2871.7 | 2090.9 | 1411.9 | 921.2 | 33.2 |
| 44°   | 5890.0 | 5746.5 | 5420.1 | 4991.1 | 4401.7 | 3667.9 | 2889.4 | 2091.7 | 1401.1 | 909.7 | 29.3 |
| 45°   | 5745.7 | 5603.0 | 5309.0 | 4897.0 | 4335.3 | 3627.0 | 2854.0 | 2060.8 | 1371.0 | 889.6 | 26.2 |
| 46°   | 5481.1 | 5339.1 | 5113.8 | 4739.6 | 4211.9 | 3534.5 | 2771.4 | 1993.7 | 1320.9 | 857.2 | 23.1 |
| 47°   | 5193.3 | 5055.2 | 4824.5 | 4485.8 | 4001.2 | 3369.3 | 2651.8 | 1899.5 | 1250.7 | 810.1 | 20.8 |
| 48°   | 4775.9 | 4689.5 | 4458.0 | 4168.7 | 3708.8 | 3110.9 | 2441.9 | 1746.0 | 1156.5 | 749.2 | 17.7 |
| 49°   | 4407.1 | 4316.0 | 4113.1 | 3802.2 | 3327.7 | 2810.0 | 2191.2 | 1559.3 | 1033.9 | 681.3 | 15.4 |
| 50°   | 4054.5 | 3975.0 | 3787.5 | 3436.5 | 2983.6 | 2446.6 | 1852.5 | 1324.0 | 879.6  | 597.2 | 13.1 |
| 51°   | 3709.6 | 3650.2 | 3458.8 | 3136.3 | 2676.5 | 2167.3 | 1604.8 | 1102.5 | 726.8  | 495.3 | 12.3 |
| 52°   | 3363.2 | 3356.2 | 3148.7 | 2822.3 | 2377.9 | 1888.7 | 1364.1 | 930.5  | 616.5  | 415.9 | 11.6 |
| 53°   | 2990.5 | 2945.8 | 2764.5 | 2471.3 | 2044.6 | 1598.6 | 1156.5 | 784.7  | 530.8  | 354.1 | 10.0 |
| 54°   | 2566.2 | 2516.0 | 2321.6 | 2056.9 | 1670.4 | 1309.3 | 932.0  | 634.2  | 442.1  | 299.4 | 9.3  |
| 55°   | 2094.0 | 2008.3 | 1867.1 | 1595.6 | 1304.7 | 999.2  | 719.9  | 502.3  | 353.4  | 249.2 | 7.7  |
| 56°   | 1588.6 | 1503.0 | 1423.5 | 1223.7 | 957.5  | 745.3  | 536.2  | 385.0  | 276.2  | 196.7 | 6.9  |
| 57°   | 1104.9 | 1100.2 | 969.8  | 816.3  | 640.4  | 507.7  | 367.3  | 271.6  | 195.2  | 152.8 | 5.4  |
| 58°   | 716.8  | 692.8  | 609.5  | 520.8  | 419.0  | 317.1  | 236.1  | 184.4  | 132.7  | 104.2 | 4.6  |
| 59°   | 502.3  | 454.4  | 409.7  | 347.2  | 263.9  | 199.8  | 152.0  | 118.0  | 91.8   | 72.5  | 3.1  |
| 60°   | 308.6  | 298.6  | 268.5  | 211.4  | 171.3  | 141.2  | 113.4  | 87.2   | 67.1   | 51.7  | 1.5  |
| 62.5° | 88.0   | 89.5   | 81.0   | 71.8   | 61.7   | 53.2   | 47.8   | 40.9   | 33.9   | 27.0  | 0.0  |
| 65°   | 20.1   | 19.3   | 20.8   | 19.3   | 17.7   | 17.7   | 15.4   | 13.9   | 12.3   | 11.6  | 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 | 3.9   | 3.9 | 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 |

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**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 57.1  | 57.1 | 57.1   | 57.1 | 57.1   | 57.1 |
| 2.5°  | 59.4  | 56.3 | 54.0   | 51.7 | 50.9   | 50.9 |
| 5°    | 57.9  | 53.2 | 48.6   | 46.3 | 44.7   | 44.7 |
| 7.5°  | 53.2  | 47.8 | 43.2   | 40.9 | 40.1   | 40.1 |
| 10°   | 47.8  | 41.7 | 37.0   | 35.5 | 35.5   | 34.7 |
| 12.5° | 41.7  | 35.5 | 32.4   | 31.6 | 31.6   | 31.6 |
| 15°   | 34.7  | 30.1 | 27.8   | 27.8 | 28.5   | 29.3 |
| 17.5° | 29.3  | 24.7 | 23.9   | 25.5 | 27.0   | 27.0 |
| 20°   | 24.7  | 21.6 | 21.6   | 23.1 | 24.7   | 25.5 |
| 22.5° | 20.8  | 18.5 | 19.3   | 21.6 | 23.9   | 24.7 |
| 25°   | 18.5  | 16.2 | 17.7   | 20.1 | 22.4   | 23.9 |
| 27.5° | 15.4  | 14.7 | 16.2   | 19.3 | 22.4   | 23.1 |
| 30°   | 13.1  | 13.1 | 15.4   | 18.5 | 21.6   | 22.4 |
| 31°   | 12.3  | 12.3 | 15.4   | 18.5 | 21.6   | 22.4 |
| 32°   | 11.6  | 12.3 | 14.7   | 18.5 | 21.6   | 22.4 |
| 33°   | 10.8  | 11.6 | 14.7   | 17.7 | 21.6   | 22.4 |
| 34°   | 10.0  | 11.6 | 14.7   | 17.7 | 21.6   | 22.4 |
| 35°   | 9.3   | 11.6 | 14.7   | 17.7 | 21.6   | 22.4 |
| 36°   | 8.5   | 10.8 | 13.9   | 17.7 | 21.6   | 22.4 |
| 37°   | 7.7   | 10.8 | 13.9   | 17.7 | 21.6   | 22.4 |
| 38°   | 6.9   | 10.0 | 13.9   | 17.7 | 21.6   | 22.4 |
| 39°   | 6.9   | 10.0 | 13.1   | 17.7 | 20.8   | 22.4 |
| 40°   | 6.2   | 9.3  | 13.1   | 17.7 | 20.8   | 22.4 |
| 41°   | 5.4   | 9.3  | 13.1   | 17.0 | 20.8   | 22.4 |
| 42°   | 4.6   | 8.5  | 12.3   | 17.0 | 20.8   | 22.4 |
| 43°   | 3.9   | 8.5  | 12.3   | 17.0 | 20.8   | 22.4 |
| 44°   | 3.9   | 7.7  | 12.3   | 17.0 | 20.8   | 22.4 |
| 45°   | 3.1   | 7.7  | 12.3   | 17.0 | 20.8   | 22.4 |
| 46°   | 2.3   | 7.7  | 12.3   | 17.0 | 20.8   | 22.4 |
| 47°   | 2.3   | 6.9  | 11.6   | 17.0 | 20.8   | 22.4 |
| 48°   | 1.5   | 6.9  | 11.6   | 17.0 | 20.8   | 22.4 |
| 49°   | 1.5   | 6.9  | 11.6   | 17.0 | 20.8   | 23.1 |
| 50°   | 1.5   | 6.9  | 11.6   | 16.2 | 20.8   | 23.1 |
| 51°   | 0.8   | 6.9  | 11.6   | 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   | 22.4 |
| 55°   | 0.8   | 6.2  | 10.8   | 16.2 | 20.8   | 22.4 |
| 56°   | 0.8   | 5.4  | 10.8   | 16.2 | 20.8   | 22.4 |
| 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 | 20.1   | 21.6 |
| 60°   | 1.5   | 4.6  | 9.3    | 14.7 | 20.1   | 21.6 |
| 62.5° | 1.5   | 4.6  | 9.3    | 14.7 | 19.3   | 20.8 |
| 65°   | 1.5   | 4.6  | 8.5    | 13.9 | 19.3   | 20.8 |



TEST NUMBER: P1327625

CATALOG NUMBER: LDSQA3D13R20W2N902765DE010 3LSQCA45R 1MB\_5000K

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.5   | 3.9 | 7.7    | 13.1 | 18.5   | 20.1 |
| 70°   | 1.5   | 4.6 | 7.7    | 12.3 | 17.7   | 19.3 |
| 72.5° | 2.3   | 3.9 | 6.9    | 11.6 | 17.0   | 18.5 |
| 75°   | 2.3   | 3.9 | 6.9    | 10.8 | 16.2   | 17.0 |
| 77.5° | 3.1   | 3.9 | 6.2    | 9.3  | 14.7   | 15.4 |
| 80°   | 3.1   | 3.9 | 5.4    | 7.7  | 12.3   | 13.1 |
| 82.5° | 3.1   | 3.9 | 3.9    | 6.2  | 9.3    | 10.0 |
| 85°   | 2.3   | 3.1 | 3.1    | 3.9  | 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)