

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: P1324422

Luminaire Tested: LDSQA3D05R20W2N902765DE010 3LSQCA45R 1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324422
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: LDSQA3D05R20W2N902765DE010 3LSQCA45R 1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQCA45R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

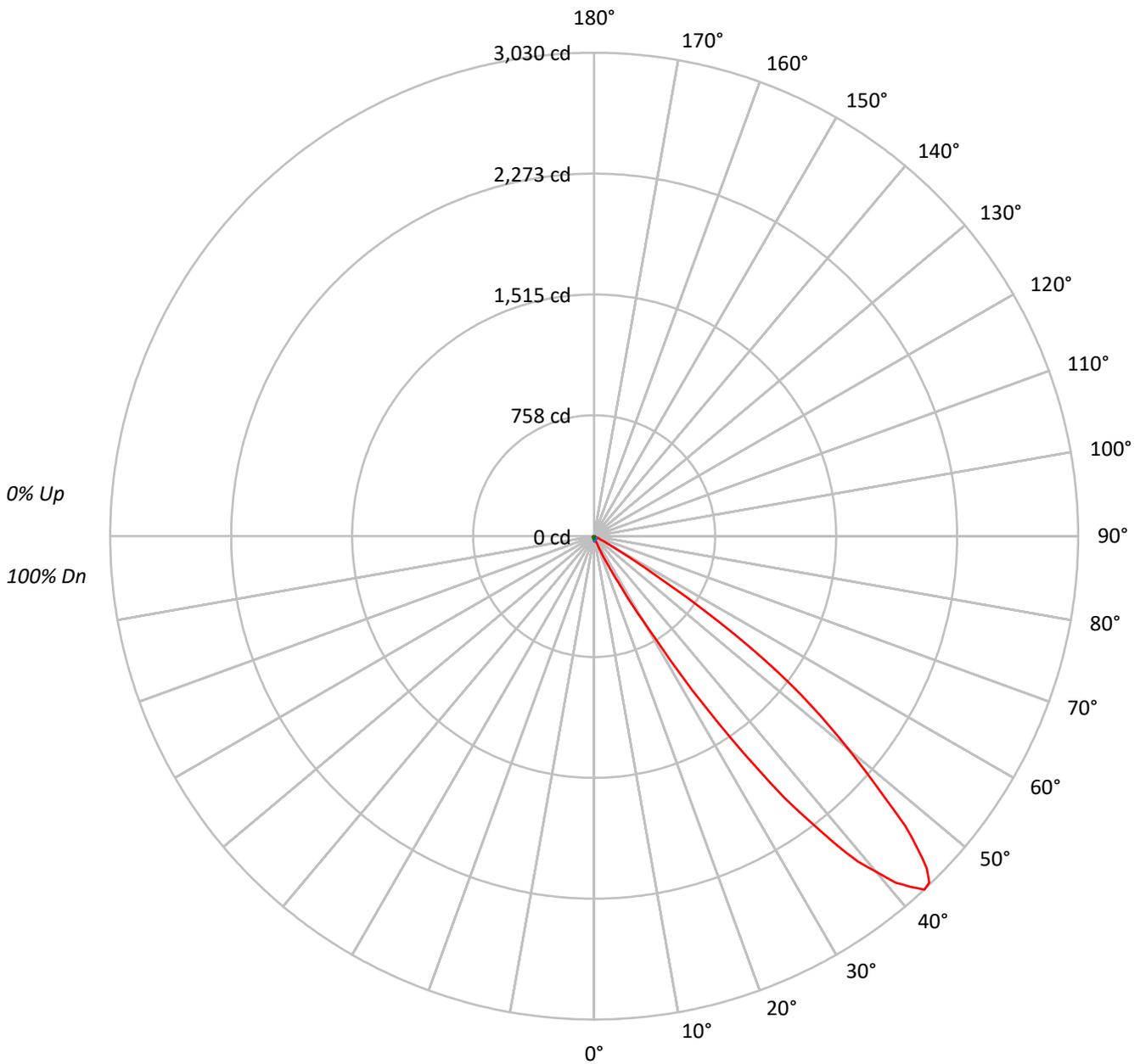
Lumens per Lamp: N/A
Luminaire Lumens: 421.0 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.14
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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

TEST NUMBER: P1324422

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Luminous Intensity Polar Plot



— 0°-180° - - - 45°-225° ····· 90°-270°



TEST NUMBER: P1324422

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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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 |
| 1 | 110 | 106 | 102 | 99 | 108 | 104 | 101 | 97 | 100 | 97 | 94 | 96 | 94 | 92 | 92 | 91 | 89 | 87 | 87 | 87 | 87 |
| 2 | 101 | 93 | 87 | 82 | 98 | 91 | 86 | 81 | 88 | 83 | 79 | 85 | 81 | 77 | 82 | 78 | 75 | 73 | 73 | 73 | 73 |
| 3 | 92 | 81 | 74 | 67 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | 74 | 69 | 65 | 72 | 67 | 63 | 61 | 61 | 61 | 61 |
| 4 | 83 | 71 | 62 | 56 | 81 | 70 | 62 | 55 | 67 | 60 | 55 | 65 | 59 | 54 | 63 | 58 | 53 | 51 | 51 | 51 | 51 |
| 5 | 75 | 62 | 53 | 46 | 73 | 61 | 53 | 46 | 59 | 51 | 46 | 57 | 50 | 45 | 55 | 49 | 45 | 42 | 42 | 42 | 42 |
| 6 | 68 | 55 | 45 | 39 | 66 | 54 | 45 | 38 | 52 | 44 | 38 | 50 | 43 | 38 | 48 | 42 | 37 | 35 | 35 | 35 | 35 |
| 7 | 62 | 48 | 39 | 32 | 60 | 47 | 38 | 32 | 46 | 38 | 32 | 44 | 37 | 32 | 43 | 36 | 31 | 29 | 29 | 29 | 29 |
| 8 | 57 | 42 | 33 | 27 | 55 | 42 | 33 | 27 | 40 | 33 | 27 | 39 | 32 | 27 | 38 | 31 | 27 | 25 | 25 | 25 | 25 |
| 9 | 52 | 38 | 29 | 23 | 51 | 37 | 29 | 23 | 36 | 28 | 23 | 35 | 28 | 23 | 34 | 27 | 23 | 21 | 21 | 21 | 21 |
| 10 | 48 | 34 | 25 | 20 | 47 | 33 | 25 | 20 | 32 | 25 | 19 | 31 | 24 | 19 | 30 | 24 | 19 | 17 | 17 | 17 | 17 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|------|------|------|------|
| 0° | 5046 | 5046 | 5046 | 5046 | 5046 |
| 5° | 5878 | 5480 | 4720 | 4097 | 3959 |
| 10° | 5806 | 4984 | 3742 | 3183 | 3113 |
| 15° | 5081 | 3816 | 2746 | 2532 | 2674 |
| 20° | 7533 | 3189 | 2034 | 2181 | 2401 |
| 25° | 32476 | 3306 | 1577 | 1957 | 2337 |
| 30° | 122819 | 4017 | 1332 | 1889 | 2287 |
| 35° | 372323 | 4815 | 1240 | 1913 | 2418 |
| 40° | 617380 | 4811 | 1057 | 2046 | 2585 |
| 45° | 717600 | 3288 | 974 | 2119 | 2801 |
| 50° | 557055 | 1795 | 965 | 2224 | 3188 |
| 55° | 322420 | 1201 | 961 | 2492 | 3453 |
| 60° | 54526 | 276 | 827 | 2583 | 3823 |
| 65° | 4197 | 0 | 978 | 2893 | 4360 |
| 70° | 604 | 0 | 1209 | 3172 | 4985 |
| 75° | 532 | 266 | 1331 | 3660 | 5789 |
| 80° | 397 | 397 | 1984 | 3967 | 6645 |
| 85° | 790 | 790 | 3162 | 3952 | 7114 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 717600 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 2.5 | 0.6 |
| 10°-20° | 5.3 | 1.3 |
| 20°-30° | 16.8 | 4.0 |
| 30°-40° | 107.4 | 25.5 |
| 40°-50° | 196.5 | 46.7 |
| 50°-60° | 80.7 | 19.2 |
| 60°-70° | 6.8 | 1.6 |
| 70°-80° | 3.4 | 0.8 |
| 80°-90° | 1.6 | 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° | 24.6 | 5.8 |
| 0°-40° | 132.0 | 31.3 |
| 0°-60° | 409.2 | 97.2 |
| 0°-90° | 421.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 421.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 29 | 29 | 29 | 29 | 29 | |
| 5° | 34 | 32 | 27 | 24 | 23 | 3 |
| 15° | 28 | 21 | 15 | 14 | 15 | 9 |
| 25° | 171 | 17 | 8 | 10 | 12 | 112 |
| 35° | 1771 | 23 | 6 | 9 | 12 | 1121 |
| 45° | 2946 | 14 | 4 | 9 | 12 | 2115 |
| 55° | 1074 | 4 | 3 | 8 | 12 | 939 |
| 65° | 10 | 0 | 2 | 7 | 11 | 34 |
| 75° | 1 | 0 | 2 | 6 | 9 | 1 |
| 85° | 0 | 0 | 2 | 2 | 4 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1324422

CATALOG NUMBER: LDSQA3D05R20W2N902765DE010 3LSQCA45R 1MW_3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|
| 0° | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 |
| 2.5° | 32.0 | 32.0 | 32.0 | 31.7 | 31.7 | 32.0 | 31.7 | 31.7 | 31.7 | 31.7 | 31.3 |
| 5° | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 33.6 | 33.6 | 33.2 | 31.7 |
| 7.5° | 34.8 | 34.8 | 34.8 | 34.8 | 34.4 | 34.4 | 34.4 | 34.4 | 34.0 | 33.6 | 30.9 |
| 10° | 33.2 | 33.2 | 33.2 | 32.8 | 32.8 | 32.8 | 32.4 | 32.4 | 32.0 | 31.7 | 28.5 |
| 12.5° | 30.1 | 30.1 | 30.1 | 30.1 | 29.7 | 29.7 | 29.3 | 29.3 | 28.9 | 28.5 | 24.9 |
| 15° | 28.5 | 28.5 | 28.5 | 28.1 | 28.1 | 27.7 | 27.3 | 26.9 | 26.5 | 25.7 | 21.4 |
| 17.5° | 30.9 | 30.9 | 30.5 | 30.5 | 29.7 | 28.9 | 28.5 | 27.3 | 26.5 | 25.3 | 19.0 |
| 20° | 41.1 | 41.5 | 40.0 | 38.8 | 38.0 | 35.6 | 34.4 | 32.4 | 30.9 | 28.9 | 17.4 |
| 22.5° | 83.1 | 81.5 | 78.7 | 74.4 | 69.2 | 64.9 | 57.0 | 50.6 | 46.3 | 40.4 | 17.0 |
| 25° | 170.9 | 169.3 | 161.8 | 155.5 | 139.7 | 127.4 | 110.4 | 96.5 | 82.3 | 68.4 | 17.4 |
| 27.5° | 324.8 | 314.1 | 312.2 | 283.3 | 261.1 | 229.5 | 196.6 | 168.9 | 143.6 | 115.5 | 18.6 |
| 30° | 617.6 | 605.3 | 562.2 | 518.7 | 458.9 | 391.3 | 326.8 | 266.7 | 216.4 | 170.9 | 20.2 |
| 31° | 783.8 | 795.6 | 745.0 | 657.6 | 569.3 | 482.7 | 394.5 | 318.1 | 253.2 | 196.6 | 21.0 |
| 32° | 1030.2 | 978.4 | 925.0 | 835.2 | 707.0 | 596.2 | 485.5 | 375.5 | 290.0 | 224.3 | 21.8 |
| 33° | 1263.3 | 1232.8 | 1151.3 | 1039.3 | 885.4 | 730.0 | 586.3 | 443.1 | 335.1 | 258.0 | 22.2 |
| 34° | 1511.7 | 1478.1 | 1412.0 | 1251.4 | 1082.5 | 878.7 | 687.2 | 521.1 | 388.9 | 290.8 | 22.6 |
| 35° | 1770.9 | 1756.6 | 1629.3 | 1490.0 | 1282.3 | 1036.6 | 808.7 | 606.5 | 441.5 | 320.9 | 22.9 |
| 36° | 2031.6 | 1985.7 | 1886.0 | 1682.7 | 1465.9 | 1182.6 | 936.1 | 686.0 | 494.9 | 356.5 | 22.9 |
| 37° | 2227.9 | 2217.6 | 2085.4 | 1887.2 | 1632.4 | 1338.5 | 1046.1 | 774.3 | 548.8 | 386.9 | 22.9 |
| 38° | 2444.3 | 2403.5 | 2269.4 | 2067.6 | 1789.1 | 1481.3 | 1161.2 | 851.0 | 599.8 | 414.6 | 22.6 |
| 39° | 2626.7 | 2566.1 | 2430.8 | 2231.4 | 1926.0 | 1589.7 | 1252.6 | 925.4 | 644.9 | 437.6 | 22.2 |
| 40° | 2746.1 | 2704.2 | 2563.0 | 2338.6 | 2050.2 | 1692.2 | 1345.2 | 986.7 | 678.5 | 455.0 | 21.4 |
| 41° | 2877.9 | 2808.3 | 2668.6 | 2443.1 | 2140.4 | 1782.4 | 1403.3 | 1027.1 | 704.6 | 466.5 | 20.6 |
| 42° | 2956.6 | 2899.7 | 2733.9 | 2513.1 | 2204.9 | 1833.8 | 1450.8 | 1057.9 | 720.5 | 472.4 | 19.0 |
| 43° | 3030.2 | 2952.7 | 2791.2 | 2553.9 | 2247.6 | 1870.2 | 1472.6 | 1072.2 | 724.0 | 472.4 | 17.0 |
| 44° | 3020.3 | 2946.7 | 2779.4 | 2559.4 | 2257.1 | 1880.9 | 1481.7 | 1072.6 | 718.5 | 466.5 | 15.0 |
| 45° | 2946.3 | 2873.1 | 2722.4 | 2511.1 | 2223.1 | 1859.9 | 1463.5 | 1056.8 | 703.1 | 456.2 | 13.5 |
| 46° | 2810.6 | 2737.8 | 2622.3 | 2430.4 | 2159.8 | 1812.4 | 1421.1 | 1022.3 | 677.3 | 439.6 | 11.9 |
| 47° | 2663.1 | 2592.2 | 2473.9 | 2300.3 | 2051.8 | 1727.8 | 1359.8 | 974.1 | 641.3 | 415.4 | 10.7 |
| 48° | 2449.0 | 2404.7 | 2286.0 | 2137.6 | 1901.8 | 1595.2 | 1252.2 | 895.3 | 593.1 | 384.2 | 9.1 |
| 49° | 2259.9 | 2213.2 | 2109.2 | 1949.7 | 1706.4 | 1440.9 | 1123.6 | 799.6 | 530.2 | 349.4 | 7.9 |
| 50° | 2079.1 | 2038.3 | 1942.2 | 1762.2 | 1529.9 | 1254.6 | 949.9 | 678.9 | 451.0 | 306.2 | 6.7 |
| 51° | 1902.2 | 1871.8 | 1773.7 | 1608.3 | 1372.5 | 1111.4 | 822.9 | 565.4 | 372.7 | 254.0 | 6.3 |
| 52° | 1724.6 | 1721.0 | 1614.6 | 1447.3 | 1219.4 | 968.5 | 699.5 | 477.1 | 316.1 | 213.3 | 5.9 |
| 53° | 1533.5 | 1510.6 | 1417.6 | 1267.2 | 1048.4 | 819.8 | 593.1 | 402.4 | 272.2 | 181.6 | 5.1 |
| 54° | 1315.9 | 1290.2 | 1190.5 | 1054.8 | 856.6 | 671.4 | 477.9 | 325.2 | 226.7 | 153.5 | 4.7 |
| 55° | 1073.8 | 1029.9 | 957.5 | 818.2 | 669.0 | 512.4 | 369.1 | 257.6 | 181.2 | 127.8 | 4.0 |
| 56° | 814.6 | 770.7 | 730.0 | 627.5 | 491.0 | 382.2 | 275.0 | 197.4 | 141.6 | 100.9 | 3.6 |
| 57° | 566.6 | 564.2 | 497.3 | 418.6 | 328.4 | 260.3 | 188.3 | 139.3 | 100.1 | 78.3 | 2.8 |
| 58° | 367.6 | 355.3 | 312.6 | 267.1 | 214.8 | 162.6 | 121.1 | 94.6 | 68.1 | 53.4 | 2.4 |
| 59° | 257.6 | 233.0 | 210.1 | 178.0 | 135.3 | 102.5 | 77.9 | 60.5 | 47.1 | 37.2 | 1.6 |
| 60° | 158.3 | 153.1 | 137.7 | 108.4 | 87.8 | 72.4 | 58.2 | 44.7 | 34.4 | 26.5 | 0.8 |
| 62.5° | 45.1 | 45.9 | 41.5 | 36.8 | 31.7 | 27.3 | 24.5 | 21.0 | 17.4 | 13.8 | 0.0 |
| 65° | 10.3 | 9.9 | 10.7 | 9.9 | 9.1 | 9.1 | 7.9 | 7.1 | 6.3 | 5.9 | 0.0 |



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CATALOG NUMBER: LDSQA3D05R20W2N902765DE010 3LSQCA45R 1MW_3000K

CANDELA DISTRIBUTION (continued):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 67.5° | 3.2 | 3.2 | 2.8 | 2.8 | 2.8 | 2.4 | 2.4 | 2.0 | 2.0 | 1.6 | 0.0 |
| 70° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.8 | 0.8 | 0.8 | 0.4 | 0.4 | 0.0 |
| 72.5° | 1.2 | 1.2 | 1.2 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.4 | 0.4 | 0.4 |
| 75° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.4 | 0.4 | 0.4 | 0.4 |
| 77.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.4 | 0.8 | 0.4 | 0.4 | 0.4 | 0.4 |
| 80° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 82.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 85° | 0.4 | 0.4 | 0.4 | 0.4 | 0.0 | 0.0 | 0.4 | 0.4 | 0.4 | 0.0 | 0.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 |
| 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: P1324422

CATALOG NUMBER: LDSQA3D05R20W2N902765DE010 3LSQCA45R 1MW_3000K

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0° | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 |
| 2.5° | 30.5 | 28.9 | 27.7 | 26.5 | 26.1 | 26.1 |
| 5° | 29.7 | 27.3 | 24.9 | 23.7 | 22.9 | 22.9 |
| 7.5° | 27.3 | 24.5 | 22.2 | 21.0 | 20.6 | 20.6 |
| 10° | 24.5 | 21.4 | 19.0 | 18.2 | 18.2 | 17.8 |
| 12.5° | 21.4 | 18.2 | 16.6 | 16.2 | 16.2 | 16.2 |
| 15° | 17.8 | 15.4 | 14.2 | 14.2 | 14.6 | 15.0 |
| 17.5° | 15.0 | 12.7 | 12.3 | 13.1 | 13.8 | 13.8 |
| 20° | 12.7 | 11.1 | 11.1 | 11.9 | 12.7 | 13.1 |
| 22.5° | 10.7 | 9.5 | 9.9 | 11.1 | 12.3 | 12.7 |
| 25° | 9.5 | 8.3 | 9.1 | 10.3 | 11.5 | 12.3 |
| 27.5° | 7.9 | 7.5 | 8.3 | 9.9 | 11.5 | 11.9 |
| 30° | 6.7 | 6.7 | 7.9 | 9.5 | 11.1 | 11.5 |
| 31° | 6.3 | 6.3 | 7.9 | 9.5 | 11.1 | 11.5 |
| 32° | 5.9 | 6.3 | 7.5 | 9.5 | 11.1 | 11.5 |
| 33° | 5.5 | 5.9 | 7.5 | 9.1 | 11.1 | 11.5 |
| 34° | 5.1 | 5.9 | 7.5 | 9.1 | 11.1 | 11.5 |
| 35° | 4.7 | 5.9 | 7.5 | 9.1 | 11.1 | 11.5 |
| 36° | 4.4 | 5.5 | 7.1 | 9.1 | 11.1 | 11.5 |
| 37° | 4.0 | 5.5 | 7.1 | 9.1 | 11.1 | 11.5 |
| 38° | 3.6 | 5.1 | 7.1 | 9.1 | 11.1 | 11.5 |
| 39° | 3.6 | 5.1 | 6.7 | 9.1 | 10.7 | 11.5 |
| 40° | 3.2 | 4.7 | 6.7 | 9.1 | 10.7 | 11.5 |
| 41° | 2.8 | 4.7 | 6.7 | 8.7 | 10.7 | 11.5 |
| 42° | 2.4 | 4.4 | 6.3 | 8.7 | 10.7 | 11.5 |
| 43° | 2.0 | 4.4 | 6.3 | 8.7 | 10.7 | 11.5 |
| 44° | 2.0 | 4.0 | 6.3 | 8.7 | 10.7 | 11.5 |
| 45° | 1.6 | 4.0 | 6.3 | 8.7 | 10.7 | 11.5 |
| 46° | 1.2 | 4.0 | 6.3 | 8.7 | 10.7 | 11.5 |
| 47° | 1.2 | 3.6 | 5.9 | 8.7 | 10.7 | 11.5 |
| 48° | 0.8 | 3.6 | 5.9 | 8.7 | 10.7 | 11.5 |
| 49° | 0.8 | 3.6 | 5.9 | 8.7 | 10.7 | 11.9 |
| 50° | 0.8 | 3.6 | 5.9 | 8.3 | 10.7 | 11.9 |
| 51° | 0.4 | 3.6 | 5.9 | 8.3 | 10.7 | 11.9 |
| 52° | 0.4 | 3.6 | 5.5 | 8.3 | 11.1 | 11.9 |
| 53° | 0.4 | 3.2 | 5.5 | 8.3 | 11.1 | 11.9 |
| 54° | 0.4 | 3.2 | 5.5 | 8.3 | 11.1 | 11.5 |
| 55° | 0.4 | 3.2 | 5.5 | 8.3 | 10.7 | 11.5 |
| 56° | 0.4 | 2.8 | 5.5 | 8.3 | 10.7 | 11.5 |
| 57° | 0.4 | 2.8 | 5.1 | 7.9 | 10.7 | 11.1 |
| 58° | 0.4 | 2.8 | 5.1 | 7.9 | 10.7 | 11.1 |
| 59° | 0.4 | 2.8 | 5.1 | 7.9 | 10.3 | 11.1 |
| 60° | 0.8 | 2.4 | 4.7 | 7.5 | 10.3 | 11.1 |
| 62.5° | 0.8 | 2.4 | 4.7 | 7.5 | 9.9 | 10.7 |
| 65° | 0.8 | 2.4 | 4.4 | 7.1 | 9.9 | 10.7 |



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CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.8 | 2.0 | 4.0 | 6.7 | 9.5 | 10.3 |
| 70° | 0.8 | 2.4 | 4.0 | 6.3 | 9.1 | 9.9 |
| 72.5° | 1.2 | 2.0 | 3.6 | 5.9 | 8.7 | 9.5 |
| 75° | 1.2 | 2.0 | 3.6 | 5.5 | 8.3 | 8.7 |
| 77.5° | 1.6 | 2.0 | 3.2 | 4.7 | 7.5 | 7.9 |
| 80° | 1.6 | 2.0 | 2.8 | 4.0 | 6.3 | 6.7 |
| 82.5° | 1.6 | 2.0 | 2.0 | 3.2 | 4.7 | 5.1 |
| 85° | 1.2 | 1.6 | 1.6 | 2.0 | 3.2 | 3.6 |
| 87.5° | 1.2 | 1.6 | 1.2 | 0.8 | 1.6 | 1.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)