

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: P1320594

Luminaire Tested: LDSQA3D02R20B2750DE010 3LSQCA45R 1MMS_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320594
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: LDSQA3D02R20B2750DE010 3LSQCA45R 1MMS_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 80CRI , 3LSQCA45R 1MMS TRIM
Light Source: -
Ballast/Driver: -

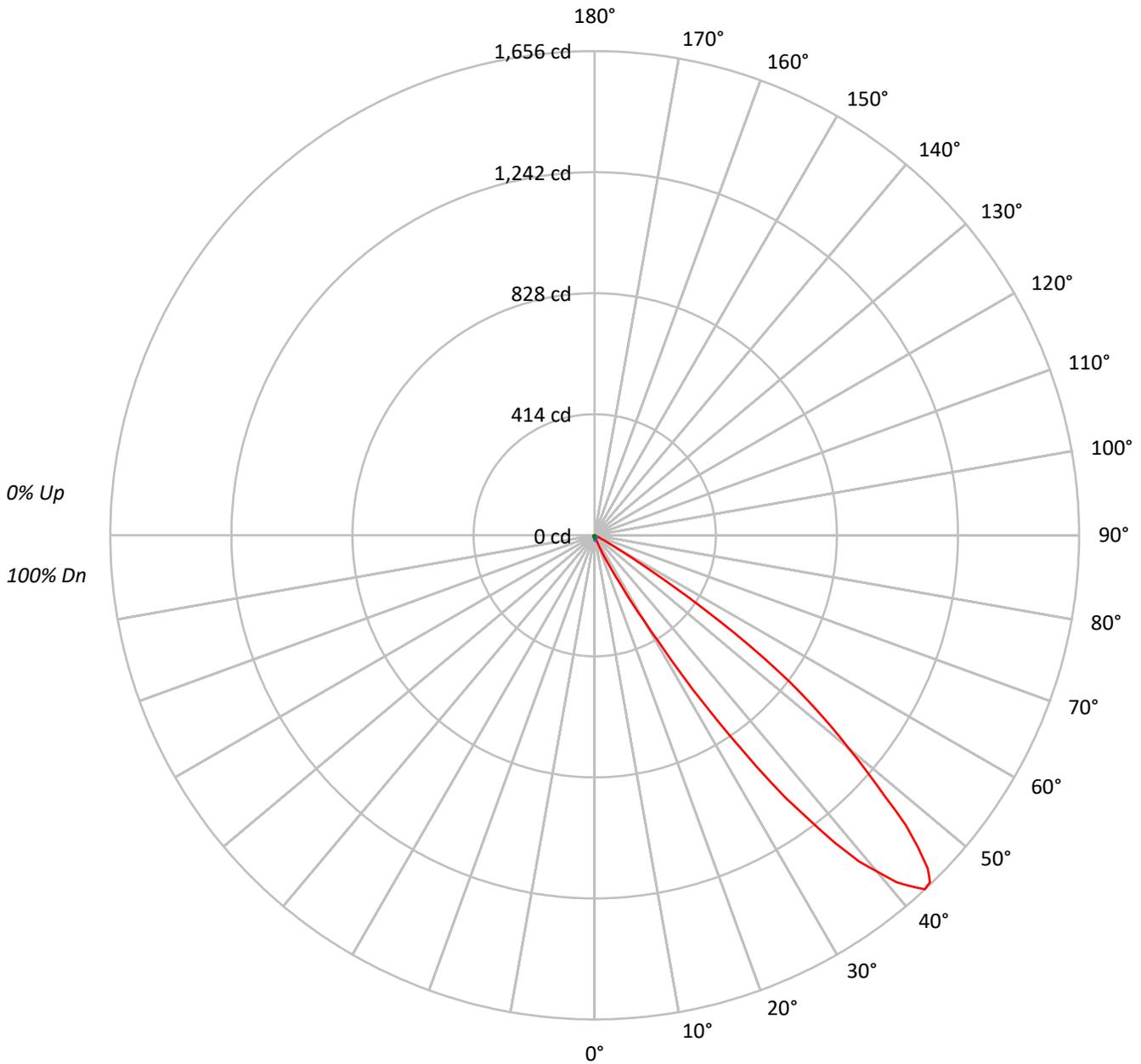
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 230.0 lumens
Efficiency: N/A
Efficacy: 79.3 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): 2.9
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: P1320594
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Luminous Intensity Polar Plot



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



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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|------|------|------|------|
| 0° | 2756 | 2756 | 2756 | 2756 | 2756 |
| 5° | 3216 | 2991 | 2576 | 2247 | 2161 |
| 10° | 3183 | 2728 | 2046 | 1731 | 1696 |
| 15° | 2781 | 2086 | 1498 | 1391 | 1462 |
| 20° | 4124 | 1741 | 1118 | 1191 | 1301 |
| 25° | 17748 | 1805 | 855 | 1064 | 1273 |
| 30° | 67097 | 2188 | 736 | 1034 | 1253 |
| 35° | 203412 | 2628 | 673 | 1051 | 1325 |
| 40° | 337298 | 2630 | 585 | 1124 | 1416 |
| 45° | 392034 | 1778 | 536 | 1169 | 1534 |
| 50° | 304316 | 991 | 509 | 1206 | 1742 |
| 55° | 176133 | 661 | 510 | 1351 | 1892 |
| 60° | 29795 | 138 | 448 | 1412 | 2101 |
| 65° | 2282 | 0 | 530 | 1589 | 2364 |
| 70° | 302 | 0 | 655 | 1762 | 2719 |
| 75° | 266 | 133 | 732 | 1996 | 3194 |
| 80° | 198 | 198 | 1091 | 2182 | 3670 |
| 85° | 395 | 395 | 1778 | 2174 | 3754 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 392034 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 1.4 | 0.6 |
| 10°-20° | 2.9 | 1.3 |
| 20°-30° | 9.2 | 4.0 |
| 30°-40° | 58.7 | 25.5 |
| 40°-50° | 107.4 | 46.7 |
| 50°-60° | 44.1 | 19.2 |
| 60°-70° | 3.7 | 1.6 |
| 70°-80° | 1.8 | 0.8 |
| 80°-90° | 0.9 | 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° | 13.4 | 5.8 |
| 0°-40° | 72.1 | 31.3 |
| 0°-60° | 223.6 | 97.2 |
| 0°-90° | 230.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 230.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 16 | 16 | 16 | 16 | 16 | |
| 5° | 19 | 17 | 15 | 13 | 12 | 2 |
| 15° | 16 | 12 | 8 | 8 | 8 | 5 |
| 25° | 93 | 10 | 4 | 6 | 7 | 61 |
| 35° | 968 | 12 | 3 | 5 | 6 | 612 |
| 45° | 1610 | 7 | 2 | 5 | 6 | 1156 |
| 55° | 587 | 2 | 2 | 4 | 6 | 513 |
| 65° | 6 | 0 | 1 | 4 | 6 | 18 |
| 75° | 0 | 0 | 1 | 3 | 5 | 0 |
| 85° | 0 | 0 | 1 | 1 | 2 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1320594
 CATALOG NUMBER: LDSQA3D02R20B2750DE010 3LSQCA45R 1MMS_5000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|------|
| 0° | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 |
| 2.5° | 17.5 | 17.5 | 17.5 | 17.3 | 17.3 | 17.5 | 17.3 | 17.3 | 17.3 | 17.3 | 17.1 |
| 5° | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.4 | 18.4 | 18.2 | 17.3 |
| 7.5° | 19.0 | 19.0 | 19.0 | 19.0 | 18.8 | 18.8 | 18.8 | 18.8 | 18.6 | 18.4 | 16.9 |
| 10° | 18.2 | 18.2 | 18.2 | 17.9 | 17.9 | 17.9 | 17.7 | 17.7 | 17.5 | 17.3 | 15.6 |
| 12.5° | 16.4 | 16.4 | 16.4 | 16.4 | 16.2 | 16.2 | 16.0 | 16.0 | 15.8 | 15.6 | 13.6 |
| 15° | 15.6 | 15.6 | 15.6 | 15.3 | 15.3 | 15.1 | 14.9 | 14.7 | 14.5 | 14.0 | 11.7 |
| 17.5° | 16.9 | 16.9 | 16.6 | 16.6 | 16.2 | 15.8 | 15.6 | 14.9 | 14.5 | 13.8 | 10.4 |
| 20° | 22.5 | 22.7 | 21.8 | 21.2 | 20.8 | 19.5 | 18.8 | 17.7 | 16.9 | 15.8 | 9.5 |
| 22.5° | 45.4 | 44.5 | 43.0 | 40.6 | 37.8 | 35.4 | 31.1 | 27.7 | 25.3 | 22.0 | 9.3 |
| 25° | 93.4 | 92.5 | 88.4 | 84.9 | 76.3 | 69.6 | 60.3 | 52.7 | 45.0 | 37.4 | 9.5 |
| 27.5° | 177.5 | 171.6 | 170.5 | 154.8 | 142.7 | 125.4 | 107.4 | 92.3 | 78.5 | 63.1 | 10.2 |
| 30° | 337.4 | 330.7 | 307.1 | 283.4 | 250.7 | 213.8 | 178.5 | 145.7 | 118.2 | 93.4 | 11.0 |
| 31° | 428.2 | 434.7 | 407.0 | 359.2 | 311.0 | 263.7 | 215.5 | 173.8 | 138.3 | 107.4 | 11.5 |
| 32° | 562.8 | 534.5 | 505.3 | 456.3 | 386.3 | 325.7 | 265.2 | 205.1 | 158.4 | 122.6 | 11.9 |
| 33° | 690.2 | 673.5 | 629.0 | 567.8 | 483.7 | 398.8 | 320.3 | 242.1 | 183.1 | 140.9 | 12.1 |
| 34° | 825.9 | 807.5 | 771.4 | 683.7 | 591.4 | 480.1 | 375.4 | 284.7 | 212.5 | 158.9 | 12.3 |
| 35° | 967.5 | 959.7 | 890.1 | 814.0 | 700.5 | 566.3 | 441.8 | 331.4 | 241.2 | 175.3 | 12.5 |
| 36° | 1109.9 | 1084.8 | 1030.4 | 919.3 | 800.8 | 646.1 | 511.4 | 374.8 | 270.4 | 194.7 | 12.5 |
| 37° | 1217.1 | 1211.5 | 1139.3 | 1031.0 | 891.8 | 731.2 | 571.5 | 423.0 | 299.8 | 211.4 | 12.5 |
| 38° | 1335.4 | 1313.1 | 1239.8 | 1129.6 | 977.4 | 809.3 | 634.4 | 464.9 | 327.7 | 226.5 | 12.3 |
| 39° | 1435.0 | 1401.9 | 1328.0 | 1219.1 | 1052.2 | 868.5 | 684.3 | 505.6 | 352.3 | 239.1 | 12.1 |
| 40° | 1500.3 | 1477.4 | 1400.2 | 1277.6 | 1120.1 | 924.5 | 734.9 | 539.1 | 370.7 | 248.6 | 11.7 |
| 41° | 1572.2 | 1534.2 | 1457.9 | 1334.7 | 1169.3 | 973.7 | 766.7 | 561.1 | 385.0 | 254.8 | 11.2 |
| 42° | 1615.3 | 1584.1 | 1493.6 | 1373.0 | 1204.6 | 1001.8 | 792.6 | 578.0 | 393.6 | 258.1 | 10.4 |
| 43° | 1655.5 | 1613.1 | 1524.9 | 1395.2 | 1227.9 | 1021.7 | 804.5 | 585.8 | 395.5 | 258.1 | 9.3 |
| 44° | 1650.1 | 1609.9 | 1518.4 | 1398.2 | 1233.1 | 1027.6 | 809.5 | 586.0 | 392.5 | 254.8 | 8.2 |
| 45° | 1609.6 | 1569.7 | 1487.3 | 1371.9 | 1214.5 | 1016.1 | 799.5 | 577.3 | 384.1 | 249.2 | 7.3 |
| 46° | 1535.5 | 1495.7 | 1432.6 | 1327.8 | 1179.9 | 990.2 | 776.4 | 558.5 | 370.0 | 240.1 | 6.5 |
| 47° | 1454.9 | 1416.2 | 1351.6 | 1256.7 | 1120.9 | 943.9 | 742.9 | 532.2 | 350.4 | 227.0 | 5.8 |
| 48° | 1337.9 | 1313.7 | 1248.9 | 1167.8 | 1039.0 | 871.5 | 684.1 | 489.1 | 324.0 | 209.9 | 5.0 |
| 49° | 1234.6 | 1209.1 | 1152.3 | 1065.2 | 932.2 | 787.2 | 613.9 | 436.8 | 289.6 | 190.9 | 4.3 |
| 50° | 1135.8 | 1113.6 | 1061.1 | 962.7 | 835.8 | 685.4 | 519.0 | 370.9 | 246.4 | 167.3 | 3.7 |
| 51° | 1039.2 | 1022.6 | 969.0 | 878.6 | 749.8 | 607.2 | 449.6 | 308.9 | 203.6 | 138.8 | 3.5 |
| 52° | 942.2 | 940.2 | 882.1 | 790.7 | 666.2 | 529.1 | 382.1 | 260.7 | 172.7 | 116.5 | 3.2 |
| 53° | 837.8 | 825.2 | 774.5 | 692.3 | 572.8 | 447.9 | 324.0 | 219.8 | 148.7 | 99.2 | 2.8 |
| 54° | 718.9 | 704.9 | 650.4 | 576.2 | 468.0 | 366.8 | 261.1 | 177.7 | 123.9 | 83.9 | 2.6 |
| 55° | 586.6 | 562.6 | 523.1 | 447.0 | 365.5 | 279.9 | 201.7 | 140.7 | 99.0 | 69.8 | 2.2 |
| 56° | 445.0 | 421.1 | 398.8 | 342.8 | 268.2 | 208.8 | 150.2 | 107.9 | 77.4 | 55.1 | 1.9 |
| 57° | 309.5 | 308.2 | 271.7 | 228.7 | 179.4 | 142.2 | 102.9 | 76.1 | 54.7 | 42.8 | 1.5 |
| 58° | 200.8 | 194.1 | 170.8 | 145.9 | 117.4 | 88.8 | 66.1 | 51.7 | 37.2 | 29.2 | 1.3 |
| 59° | 140.7 | 127.3 | 114.8 | 97.3 | 73.9 | 56.0 | 42.6 | 33.1 | 25.7 | 20.3 | 0.9 |
| 60° | 86.5 | 83.6 | 75.2 | 59.2 | 48.0 | 39.6 | 31.8 | 24.4 | 18.8 | 14.5 | 0.4 |
| 62.5° | 24.6 | 25.1 | 22.7 | 20.1 | 17.3 | 14.9 | 13.4 | 11.5 | 9.5 | 7.6 | 0.0 |
| 65° | 5.6 | 5.4 | 5.8 | 5.4 | 5.0 | 5.0 | 4.3 | 3.9 | 3.5 | 3.2 | 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° | 1.7 | 1.7 | 1.5 | 1.5 | 1.5 | 1.3 | 1.3 | 1.1 | 1.1 | 0.9 | 0.0 |
| 70° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.0 |
| 72.5° | 0.6 | 0.6 | 0.6 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 |
| 75° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 |
| 77.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.2 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 |
| 80° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 82.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 85° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.0 | 0.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| 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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 CATALOG NUMBER: LDSQA3D02R20B2750DE010 3LSQCA45R 1MMS_5000K

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0° | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 |
| 2.5° | 16.6 | 15.8 | 15.1 | 14.5 | 14.3 | 14.3 |
| 5° | 16.2 | 14.9 | 13.6 | 13.0 | 12.5 | 12.5 |
| 7.5° | 14.9 | 13.4 | 12.1 | 11.5 | 11.2 | 11.2 |
| 10° | 13.4 | 11.7 | 10.4 | 9.9 | 9.9 | 9.7 |
| 12.5° | 11.7 | 9.9 | 9.1 | 8.9 | 8.9 | 8.9 |
| 15° | 9.7 | 8.4 | 7.8 | 7.8 | 8.0 | 8.2 |
| 17.5° | 8.2 | 6.9 | 6.7 | 7.1 | 7.6 | 7.6 |
| 20° | 6.9 | 6.1 | 6.1 | 6.5 | 6.9 | 7.1 |
| 22.5° | 5.8 | 5.2 | 5.4 | 6.1 | 6.7 | 6.9 |
| 25° | 5.2 | 4.5 | 5.0 | 5.6 | 6.3 | 6.7 |
| 27.5° | 4.3 | 4.1 | 4.5 | 5.4 | 6.3 | 6.5 |
| 30° | 3.7 | 3.7 | 4.3 | 5.2 | 6.1 | 6.3 |
| 31° | 3.5 | 3.5 | 4.3 | 5.2 | 6.1 | 6.3 |
| 32° | 3.2 | 3.5 | 4.1 | 5.2 | 6.1 | 6.3 |
| 33° | 3.0 | 3.2 | 4.1 | 5.0 | 6.1 | 6.3 |
| 34° | 2.8 | 3.2 | 4.1 | 5.0 | 6.1 | 6.3 |
| 35° | 2.6 | 3.2 | 4.1 | 5.0 | 6.1 | 6.3 |
| 36° | 2.4 | 3.0 | 3.9 | 5.0 | 6.1 | 6.3 |
| 37° | 2.2 | 3.0 | 3.9 | 5.0 | 6.1 | 6.3 |
| 38° | 1.9 | 2.8 | 3.9 | 5.0 | 6.1 | 6.3 |
| 39° | 1.9 | 2.8 | 3.7 | 5.0 | 5.8 | 6.3 |
| 40° | 1.7 | 2.6 | 3.7 | 5.0 | 5.8 | 6.3 |
| 41° | 1.5 | 2.6 | 3.7 | 4.8 | 5.8 | 6.3 |
| 42° | 1.3 | 2.4 | 3.5 | 4.8 | 5.8 | 6.3 |
| 43° | 1.1 | 2.4 | 3.5 | 4.8 | 5.8 | 6.3 |
| 44° | 1.1 | 2.2 | 3.5 | 4.8 | 5.8 | 6.3 |
| 45° | 0.9 | 2.2 | 3.5 | 4.8 | 5.8 | 6.3 |
| 46° | 0.6 | 2.2 | 3.5 | 4.8 | 5.8 | 6.3 |
| 47° | 0.6 | 1.9 | 3.2 | 4.8 | 5.8 | 6.3 |
| 48° | 0.4 | 1.9 | 3.2 | 4.8 | 5.8 | 6.3 |
| 49° | 0.4 | 1.9 | 3.2 | 4.8 | 5.8 | 6.5 |
| 50° | 0.4 | 1.9 | 3.2 | 4.5 | 5.8 | 6.5 |
| 51° | 0.2 | 1.9 | 3.2 | 4.5 | 5.8 | 6.5 |
| 52° | 0.2 | 1.9 | 3.0 | 4.5 | 6.1 | 6.5 |
| 53° | 0.2 | 1.7 | 3.0 | 4.5 | 6.1 | 6.5 |
| 54° | 0.2 | 1.7 | 3.0 | 4.5 | 6.1 | 6.3 |
| 55° | 0.2 | 1.7 | 3.0 | 4.5 | 5.8 | 6.3 |
| 56° | 0.2 | 1.5 | 3.0 | 4.5 | 5.8 | 6.3 |
| 57° | 0.2 | 1.5 | 2.8 | 4.3 | 5.8 | 6.1 |
| 58° | 0.2 | 1.5 | 2.8 | 4.3 | 5.8 | 6.1 |
| 59° | 0.2 | 1.5 | 2.8 | 4.3 | 5.6 | 6.1 |
| 60° | 0.4 | 1.3 | 2.6 | 4.1 | 5.6 | 6.1 |
| 62.5° | 0.4 | 1.3 | 2.6 | 4.1 | 5.4 | 5.8 |
| 65° | 0.4 | 1.3 | 2.4 | 3.9 | 5.4 | 5.8 |



TEST NUMBER: P1320594

CATALOG NUMBER: LDSQA3D02R20B2750DE010 3LSQCA45R 1MMS_5000K

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.4 | 1.1 | 2.2 | 3.7 | 5.2 | 5.6 |
| 70° | 0.4 | 1.3 | 2.2 | 3.5 | 5.0 | 5.4 |
| 72.5° | 0.6 | 1.1 | 1.9 | 3.2 | 4.8 | 5.2 |
| 75° | 0.6 | 1.1 | 1.9 | 3.0 | 4.5 | 4.8 |
| 77.5° | 0.9 | 1.1 | 1.7 | 2.6 | 4.1 | 4.3 |
| 80° | 0.9 | 1.1 | 1.5 | 2.2 | 3.5 | 3.7 |
| 82.5° | 0.9 | 1.1 | 1.1 | 1.7 | 2.6 | 2.8 |
| 85° | 0.6 | 0.9 | 0.9 | 1.1 | 1.7 | 1.9 |
| 87.5° | 0.6 | 0.9 | 0.6 | 0.4 | 0.9 | 0.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)