

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: P1320511

Luminaire Tested: LDSQA3D02R15B2750DE010 3LSQCA45R 1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320511
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-73)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R15B2750DE010 3LSQCA45R 1MMS_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQCA45R 1MMS TRIM
Light Source: -
Ballast/Driver: -

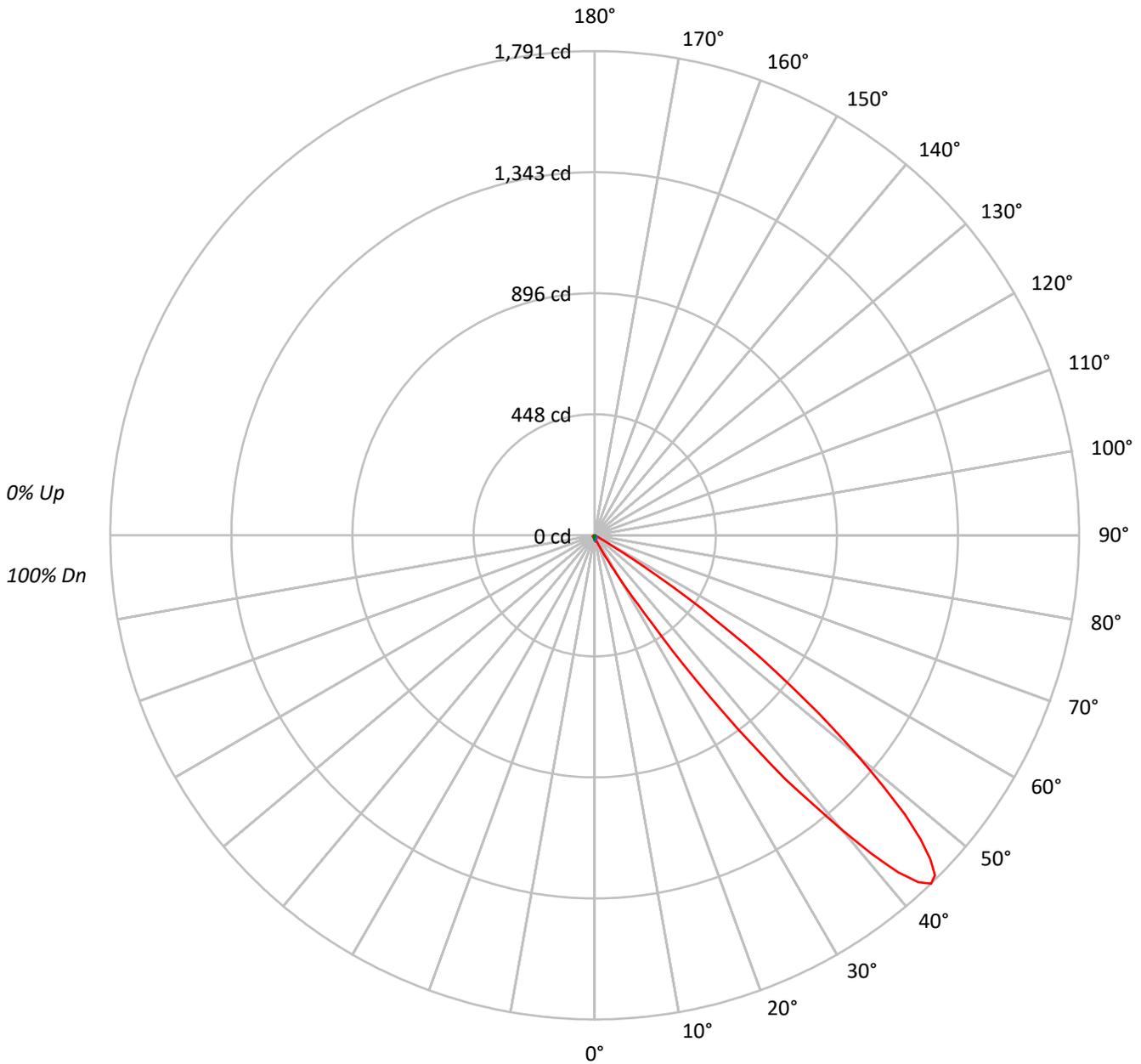
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 200.1 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 3.26 / 0.48 / 1.09
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: P1320511
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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 | | | 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 | 0 |
| 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 | 107 | 104 | 100 | 97 | 100 | 97 | 94 | 96 | 93 | 91 | 92 | 90 | 89 | 87 |
| 2 | 101 | 93 | 87 | 81 | 98 | 91 | 85 | 80 | 87 | 83 | 78 | 84 | 80 | 77 | 81 | 78 | 75 | 73 |
| 3 | 91 | 81 | 73 | 67 | 89 | 79 | 72 | 66 | 76 | 70 | 65 | 74 | 68 | 64 | 71 | 67 | 63 | 61 |
| 4 | 83 | 71 | 62 | 55 | 80 | 69 | 61 | 55 | 67 | 60 | 54 | 64 | 58 | 53 | 62 | 57 | 53 | 50 |
| 5 | 75 | 62 | 52 | 46 | 73 | 61 | 52 | 45 | 58 | 51 | 45 | 56 | 50 | 44 | 55 | 49 | 44 | 42 |
| 6 | 68 | 54 | 45 | 38 | 66 | 53 | 44 | 38 | 51 | 43 | 37 | 49 | 42 | 37 | 48 | 42 | 37 | 35 |
| 7 | 62 | 47 | 38 | 32 | 60 | 47 | 38 | 32 | 45 | 37 | 31 | 44 | 36 | 31 | 42 | 36 | 31 | 29 |
| 8 | 56 | 42 | 33 | 27 | 55 | 41 | 33 | 27 | 40 | 32 | 26 | 39 | 31 | 26 | 37 | 31 | 26 | 24 |
| 9 | 52 | 37 | 28 | 22 | 50 | 37 | 28 | 22 | 35 | 28 | 22 | 34 | 27 | 22 | 33 | 27 | 22 | 20 |
| 10 | 48 | 33 | 25 | 19 | 46 | 33 | 25 | 19 | 32 | 24 | 19 | 31 | 24 | 19 | 30 | 23 | 19 | 17 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|------|------|------|------|
| 0° | 3048 | 3048 | 3048 | 3048 | 3048 |
| 5° | 3786 | 3371 | 2766 | 2420 | 2386 |
| 10° | 3725 | 2903 | 2134 | 1889 | 1924 |
| 15° | 3085 | 2068 | 1533 | 1569 | 1676 |
| 20° | 5370 | 1649 | 1173 | 1356 | 1540 |
| 25° | 11972 | 1976 | 950 | 1254 | 1444 |
| 30° | 35816 | 2426 | 835 | 1233 | 1511 |
| 35° | 137858 | 2733 | 757 | 1261 | 1598 |
| 40° | 319987 | 2383 | 719 | 1304 | 1709 |
| 45° | 433390 | 1802 | 633 | 1413 | 1851 |
| 50° | 339817 | 1072 | 643 | 1500 | 2036 |
| 55° | 163102 | 480 | 601 | 1621 | 2222 |
| 60° | 14914 | 69 | 551 | 1722 | 2480 |
| 65° | 1630 | 0 | 489 | 1793 | 2690 |
| 70° | 403 | 0 | 604 | 1913 | 2921 |
| 75° | 399 | 133 | 799 | 2129 | 3327 |
| 80° | 397 | 397 | 992 | 2182 | 3570 |
| 85° | 395 | 395 | 1581 | 1976 | 3952 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 433390 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 1.5 | 0.8 |
| 10°-20° | 3.2 | 1.6 |
| 20°-30° | 7.6 | 3.8 |
| 30°-40° | 41.4 | 20.7 |
| 40°-50° | 100.2 | 50.1 |
| 50°-60° | 40.0 | 20.0 |
| 60°-70° | 3.5 | 1.7 |
| 70°-80° | 2.0 | 1.0 |
| 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° | 12.2 | 6.1 |
| 0°-40° | 53.6 | 26.8 |
| 0°-60° | 193.8 | 96.9 |
| 0°-90° | 200.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 200.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 18 | 18 | 18 | 18 | 18 | |
| 5° | 22 | 20 | 16 | 14 | 14 | 2 |
| 15° | 17 | 12 | 9 | 9 | 9 | 6 |
| 25° | 63 | 10 | 5 | 7 | 8 | 38 |
| 35° | 656 | 13 | 4 | 6 | 8 | 463 |
| 45° | 1779 | 7 | 3 | 6 | 8 | 1255 |
| 55° | 543 | 2 | 2 | 5 | 7 | 506 |
| 65° | 4 | 0 | 1 | 4 | 7 | 10 |
| 75° | 1 | 0 | 1 | 3 | 5 | 1 |
| 85° | 0 | 0 | 1 | 1 | 2 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1320511
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CANDELA DISTRIBUTION (FULL):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|
| 0° | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 |
| 2.5° | 19.9 | 19.9 | 20.1 | 19.9 | 19.9 | 19.9 | 19.9 | 19.7 | 19.7 | 19.7 | 19.1 |
| 5° | 21.9 | 21.9 | 21.9 | 21.9 | 21.7 | 21.7 | 21.7 | 21.5 | 21.5 | 21.3 | 19.5 |
| 7.5° | 22.7 | 22.7 | 22.5 | 22.5 | 22.3 | 22.3 | 22.1 | 21.9 | 21.7 | 21.5 | 18.7 |
| 10° | 21.3 | 21.3 | 21.3 | 21.1 | 21.1 | 20.9 | 20.7 | 20.5 | 20.3 | 19.9 | 16.6 |
| 12.5° | 18.9 | 18.9 | 19.1 | 18.9 | 18.7 | 18.5 | 18.1 | 17.9 | 17.7 | 17.3 | 13.8 |
| 15° | 17.3 | 17.3 | 17.3 | 17.2 | 17.0 | 16.6 | 16.4 | 16.0 | 15.8 | 15.2 | 11.6 |
| 17.5° | 22.1 | 22.1 | 21.9 | 21.5 | 20.7 | 20.1 | 19.1 | 18.3 | 17.3 | 16.2 | 10.0 |
| 20° | 29.3 | 29.3 | 28.9 | 28.5 | 27.5 | 26.5 | 24.9 | 23.5 | 21.9 | 20.5 | 9.0 |
| 22.5° | 42.5 | 43.1 | 41.9 | 40.5 | 39.1 | 36.7 | 34.5 | 32.3 | 29.5 | 27.1 | 9.2 |
| 25° | 63.0 | 63.6 | 63.0 | 59.8 | 57.2 | 54.0 | 49.9 | 45.5 | 40.7 | 36.3 | 10.4 |
| 27.5° | 102.1 | 102.5 | 101.5 | 93.7 | 89.5 | 81.2 | 73.8 | 66.6 | 58.6 | 50.7 | 11.4 |
| 30° | 180.1 | 180.3 | 173.9 | 158.3 | 144.6 | 126.2 | 110.7 | 95.7 | 83.2 | 70.4 | 12.2 |
| 31° | 237.1 | 231.5 | 218.0 | 199.2 | 177.3 | 152.6 | 131.2 | 111.9 | 93.1 | 79.4 | 12.4 |
| 32° | 301.1 | 300.3 | 277.8 | 245.3 | 216.0 | 185.1 | 153.0 | 128.2 | 106.7 | 87.9 | 12.6 |
| 33° | 385.9 | 386.3 | 350.8 | 312.5 | 264.4 | 223.0 | 180.9 | 147.0 | 121.0 | 98.1 | 13.0 |
| 34° | 518.3 | 487.2 | 445.5 | 393.7 | 328.2 | 265.8 | 211.2 | 168.7 | 134.0 | 107.9 | 13.0 |
| 35° | 655.7 | 624.4 | 578.5 | 499.9 | 410.2 | 322.9 | 247.3 | 192.0 | 149.6 | 118.5 | 13.0 |
| 36° | 809.6 | 783.1 | 713.7 | 613.4 | 498.9 | 376.7 | 285.6 | 219.0 | 164.9 | 128.0 | 12.8 |
| 37° | 976.0 | 937.1 | 860.1 | 750.6 | 597.5 | 452.5 | 332.2 | 245.7 | 180.3 | 138.4 | 12.4 |
| 38° | 1144.9 | 1109.8 | 1012.6 | 880.0 | 715.1 | 532.4 | 378.9 | 271.4 | 194.4 | 146.2 | 11.8 |
| 39° | 1272.9 | 1253.7 | 1157.4 | 1009.3 | 809.0 | 608.2 | 427.0 | 298.9 | 209.4 | 154.0 | 11.2 |
| 40° | 1423.3 | 1392.3 | 1301.0 | 1117.7 | 920.1 | 685.4 | 474.0 | 323.3 | 221.8 | 160.1 | 10.6 |
| 41° | 1560.5 | 1521.4 | 1406.1 | 1229.0 | 1009.1 | 754.8 | 518.7 | 348.4 | 231.7 | 163.7 | 10.2 |
| 42° | 1678.1 | 1632.6 | 1512.2 | 1324.3 | 1083.4 | 810.2 | 554.4 | 366.3 | 241.1 | 166.7 | 9.6 |
| 43° | 1754.3 | 1715.0 | 1596.5 | 1395.9 | 1147.1 | 861.1 | 587.7 | 385.1 | 246.9 | 168.7 | 8.8 |
| 44° | 1791.4 | 1751.7 | 1637.0 | 1440.8 | 1186.1 | 891.6 | 609.2 | 398.0 | 253.3 | 171.3 | 8.2 |
| 45° | 1779.4 | 1739.1 | 1628.3 | 1441.6 | 1198.3 | 902.6 | 618.4 | 403.8 | 256.7 | 173.7 | 7.4 |
| 46° | 1724.6 | 1696.3 | 1584.6 | 1404.1 | 1175.2 | 890.8 | 613.2 | 399.4 | 255.5 | 173.7 | 6.6 |
| 47° | 1647.6 | 1615.3 | 1509.0 | 1339.7 | 1119.1 | 860.5 | 592.3 | 386.1 | 248.1 | 169.7 | 5.8 |
| 48° | 1542.7 | 1515.2 | 1403.5 | 1237.4 | 1033.2 | 794.5 | 545.0 | 364.3 | 236.5 | 161.9 | 5.0 |
| 49° | 1411.1 | 1372.8 | 1268.9 | 1106.6 | 921.1 | 700.8 | 483.0 | 327.6 | 218.0 | 151.0 | 4.4 |
| 50° | 1268.3 | 1221.0 | 1140.9 | 975.6 | 805.3 | 600.8 | 401.4 | 277.0 | 191.8 | 136.6 | 4.0 |
| 51° | 1128.5 | 1080.5 | 1004.1 | 863.5 | 681.6 | 498.5 | 323.9 | 221.2 | 157.9 | 116.9 | 3.4 |
| 52° | 983.5 | 943.3 | 857.7 | 747.2 | 583.5 | 404.0 | 269.8 | 187.1 | 131.2 | 98.1 | 2.8 |
| 53° | 839.2 | 811.6 | 730.3 | 618.4 | 468.8 | 330.0 | 220.4 | 160.1 | 114.5 | 84.0 | 2.2 |
| 54° | 694.6 | 664.5 | 602.6 | 502.9 | 377.9 | 260.4 | 186.9 | 134.0 | 99.3 | 73.2 | 2.0 |
| 55° | 543.2 | 527.7 | 470.6 | 383.5 | 286.4 | 207.8 | 151.6 | 115.3 | 83.2 | 61.2 | 1.6 |
| 56° | 418.4 | 400.8 | 348.8 | 278.2 | 212.8 | 162.7 | 122.6 | 94.1 | 70.4 | 51.3 | 1.2 |
| 57° | 274.0 | 256.1 | 221.6 | 194.2 | 154.9 | 118.7 | 93.7 | 74.2 | 57.2 | 42.5 | 1.0 |
| 58° | 161.9 | 145.6 | 140.2 | 119.7 | 103.3 | 80.6 | 69.2 | 55.2 | 42.3 | 33.5 | 0.6 |
| 59° | 74.4 | 75.6 | 67.2 | 63.0 | 57.2 | 51.3 | 42.1 | 36.9 | 28.9 | 24.1 | 0.4 |
| 60° | 43.3 | 40.9 | 39.9 | 35.7 | 31.7 | 28.1 | 25.3 | 22.3 | 18.1 | 15.6 | 0.2 |
| 62.5° | 14.8 | 14.2 | 14.6 | 13.2 | 12.4 | 12.0 | 11.0 | 9.4 | 7.8 | 6.4 | 0.0 |
| 65° | 4.0 | 4.0 | 3.8 | 3.6 | 3.4 | 3.2 | 3.0 | 2.6 | 2.4 | 2.0 | 0.0 |



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 CATALOG NUMBER: LDSQA3D02R15B2750DE010 3LSQCA45R 1MMS_3000K

CANDELA DISTRIBUTION (continued):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 67.5° | 1.4 | 1.4 | 1.2 | 1.2 | 1.0 | 1.0 | 0.8 | 0.8 | 0.6 | 0.6 | 0.0 |
| 70° | 0.8 | 0.8 | 0.8 | 0.6 | 0.6 | 0.6 | 0.4 | 0.4 | 0.4 | 0.2 | 0.0 |
| 72.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 |
| 75° | 0.6 | 0.6 | 0.6 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.2 |
| 77.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 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 | 0.2 | 0.4 |
| 82.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 |
| 85° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 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: LDSQA3D02R15B2750DE010 3LSQCA45R 1MMS_3000K

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0° | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 |
| 2.5° | 18.3 | 17.5 | 16.6 | 16.0 | 15.8 | 15.6 |
| 5° | 17.5 | 16.0 | 14.8 | 14.0 | 13.8 | 13.8 |
| 7.5° | 15.8 | 14.0 | 12.8 | 12.4 | 12.2 | 12.2 |
| 10° | 13.8 | 12.2 | 11.2 | 10.8 | 11.0 | 11.0 |
| 12.5° | 11.6 | 10.2 | 9.8 | 9.8 | 10.0 | 10.2 |
| 15° | 9.4 | 8.6 | 8.6 | 8.8 | 9.2 | 9.4 |
| 17.5° | 7.8 | 7.4 | 7.6 | 8.0 | 8.4 | 8.8 |
| 20° | 6.4 | 6.4 | 6.8 | 7.4 | 8.0 | 8.4 |
| 22.5° | 5.4 | 5.6 | 6.2 | 6.8 | 7.6 | 8.0 |
| 25° | 4.6 | 5.0 | 5.6 | 6.6 | 7.4 | 7.6 |
| 27.5° | 4.0 | 4.6 | 5.4 | 6.4 | 7.2 | 7.6 |
| 30° | 3.4 | 4.2 | 5.2 | 6.2 | 7.2 | 7.6 |
| 31° | 3.2 | 4.0 | 5.0 | 6.2 | 7.2 | 7.6 |
| 32° | 3.0 | 4.0 | 5.0 | 6.2 | 7.2 | 7.6 |
| 33° | 2.8 | 3.8 | 5.0 | 6.0 | 7.2 | 7.6 |
| 34° | 2.6 | 3.8 | 5.0 | 6.2 | 7.2 | 7.6 |
| 35° | 2.4 | 3.6 | 4.8 | 6.0 | 7.0 | 7.6 |
| 36° | 2.2 | 3.6 | 4.8 | 6.0 | 7.2 | 7.6 |
| 37° | 2.0 | 3.6 | 4.8 | 6.0 | 7.0 | 7.6 |
| 38° | 2.0 | 3.4 | 4.6 | 6.0 | 7.0 | 7.6 |
| 39° | 1.8 | 3.2 | 4.6 | 6.0 | 7.0 | 7.6 |
| 40° | 1.6 | 3.2 | 4.4 | 5.8 | 7.0 | 7.6 |
| 41° | 1.4 | 3.0 | 4.4 | 5.8 | 7.0 | 7.6 |
| 42° | 1.2 | 3.0 | 4.4 | 5.8 | 7.0 | 7.6 |
| 43° | 1.0 | 2.8 | 4.2 | 5.8 | 7.0 | 7.6 |
| 44° | 1.0 | 2.8 | 4.2 | 5.8 | 7.0 | 7.6 |
| 45° | 0.8 | 2.6 | 4.0 | 5.8 | 7.0 | 7.6 |
| 46° | 0.8 | 2.6 | 4.0 | 5.6 | 7.0 | 7.6 |
| 47° | 0.6 | 2.6 | 4.0 | 5.6 | 7.0 | 7.6 |
| 48° | 0.6 | 2.4 | 4.0 | 5.6 | 7.0 | 7.6 |
| 49° | 0.4 | 2.4 | 4.0 | 5.6 | 7.0 | 7.6 |
| 50° | 0.4 | 2.4 | 3.8 | 5.6 | 7.0 | 7.6 |
| 51° | 0.4 | 2.4 | 3.8 | 5.6 | 7.0 | 7.6 |
| 52° | 0.4 | 2.2 | 3.8 | 5.6 | 7.0 | 7.6 |
| 53° | 0.4 | 2.2 | 3.8 | 5.6 | 7.0 | 7.6 |
| 54° | 0.4 | 2.2 | 3.6 | 5.6 | 7.0 | 7.6 |
| 55° | 0.4 | 2.0 | 3.6 | 5.4 | 7.0 | 7.4 |
| 56° | 0.4 | 2.0 | 3.6 | 5.4 | 7.0 | 7.4 |
| 57° | 0.4 | 2.0 | 3.4 | 5.4 | 7.0 | 7.4 |
| 58° | 0.4 | 1.8 | 3.4 | 5.2 | 6.8 | 7.4 |
| 59° | 0.4 | 1.8 | 3.2 | 5.2 | 6.8 | 7.2 |
| 60° | 0.4 | 1.6 | 3.2 | 5.0 | 6.6 | 7.2 |
| 62.5° | 0.4 | 1.4 | 2.8 | 4.8 | 6.4 | 6.8 |
| 65° | 0.4 | 1.2 | 2.6 | 4.4 | 6.2 | 6.6 |



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CATALOG NUMBER: LDSQA3D02R15B2750DE010 3LSQCA45R 1MMS_3000K

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.4 | 1.2 | 2.4 | 4.2 | 5.8 | 6.4 |
| 70° | 0.4 | 1.2 | 2.2 | 3.8 | 5.6 | 5.8 |
| 72.5° | 0.6 | 1.2 | 2.0 | 3.6 | 5.2 | 5.4 |
| 75° | 0.8 | 1.2 | 1.8 | 3.2 | 4.8 | 5.0 |
| 77.5° | 0.8 | 1.2 | 1.6 | 2.8 | 4.2 | 4.4 |
| 80° | 0.8 | 1.0 | 1.4 | 2.2 | 3.4 | 3.6 |
| 82.5° | 0.8 | 1.0 | 1.0 | 1.8 | 2.6 | 2.8 |
| 85° | 0.6 | 0.8 | 0.8 | 1.0 | 1.8 | 2.0 |
| 87.5° | 0.6 | 0.8 | 0.4 | 0.6 | 0.8 | 0.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)