

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: P1327548

Luminaire Tested: LDSQA3D13R20W2N902750DE010 3LSQCA45R 1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327548
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: LDSQA3D13R20W2N902750DE010 3LSQCA45R 1MMS_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
3LSQCA45R 1MMS TRIM
Light Source: -
Ballast/Driver: -

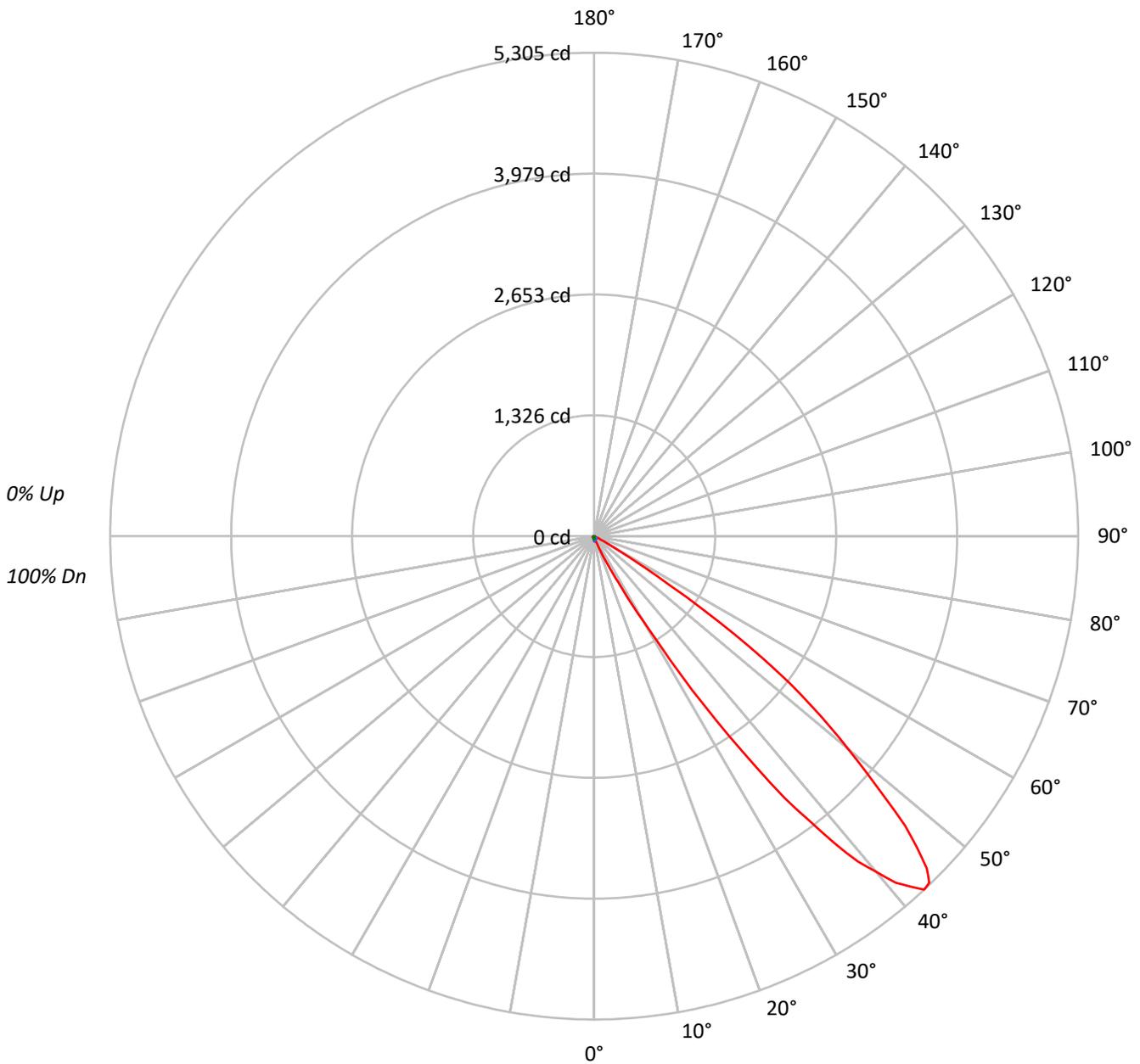
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 737.0 lumens
Efficiency: N/A
Efficacy: 59.9 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: P1327548
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Luminous Intensity Polar Plot



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



TEST NUMBER: P1327548

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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° | 8835 | 8835 | 8835 | 8835 | 8835 |
| 5° | 10304 | 9578 | 8264 | 7192 | 6950 |
| 10° | 10178 | 8726 | 6540 | 5579 | 5456 |
| 15° | 8897 | 6668 | 4814 | 4440 | 4689 |
| 20° | 13196 | 5590 | 3556 | 3812 | 4197 |
| 25° | 56856 | 5796 | 2755 | 3420 | 4086 |
| 30° | 215013 | 7020 | 2347 | 3301 | 3997 |
| 35° | 651781 | 8452 | 2187 | 3343 | 4226 |
| 40° | 1080803 | 8408 | 1866 | 3575 | 4519 |
| 45° | 1256232 | 5724 | 1681 | 3702 | 4896 |
| 50° | 975161 | 3162 | 1661 | 3885 | 5573 |
| 55° | 564401 | 2072 | 1651 | 4354 | 6035 |
| 60° | 95411 | 482 | 1447 | 4547 | 6682 |
| 65° | 7335 | 0 | 1712 | 5094 | 7621 |
| 70° | 1057 | 0 | 2115 | 5589 | 8711 |
| 75° | 932 | 466 | 2329 | 6455 | 10114 |
| 80° | 694 | 694 | 3471 | 6843 | 11703 |
| 85° | 1383 | 1383 | 5533 | 6916 | 12251 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1256232 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 4.4 | 0.6 |
| 10°-20° | 9.2 | 1.3 |
| 20°-30° | 29.4 | 4.0 |
| 30°-40° | 187.9 | 25.5 |
| 40°-50° | 344.0 | 46.7 |
| 50°-60° | 141.3 | 19.2 |
| 60°-70° | 11.9 | 1.6 |
| 70°-80° | 5.9 | 0.8 |
| 80°-90° | 2.8 | 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° | 43.1 | 5.8 |
| 0°-40° | 231.0 | 31.3 |
| 0°-60° | 716.3 | 97.2 |
| 0°-90° | 737.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 737.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 51 | 51 | 51 | 51 | 51 | |
| 5° | 60 | 55 | 48 | 42 | 40 | 6 |
| 15° | 50 | 37 | 27 | 25 | 26 | 16 |
| 25° | 299 | 30 | 14 | 18 | 22 | 197 |
| 35° | 3100 | 40 | 10 | 16 | 20 | 1962 |
| 45° | 5158 | 24 | 7 | 15 | 20 | 3703 |
| 55° | 1880 | 7 | 6 | 14 | 20 | 1643 |
| 65° | 18 | 0 | 4 | 12 | 19 | 59 |
| 75° | 1 | 1 | 4 | 10 | 15 | 2 |
| 85° | 1 | 1 | 3 | 4 | 6 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1327548

CATALOG NUMBER: LDSQA3D13R20W2N902750DE010 3LSQCA45R 1MMS_2700K

CANDELA DISTRIBUTION (FULL):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|
| 0° | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| 2.5° | 56.1 | 56.1 | 56.1 | 55.4 | 55.4 | 56.1 | 55.4 | 55.4 | 55.4 | 55.4 | 54.7 |
| 5° | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 58.9 | 58.9 | 58.2 | 55.4 |
| 7.5° | 60.9 | 60.9 | 60.9 | 60.9 | 60.3 | 60.3 | 60.3 | 60.3 | 59.6 | 58.9 | 54.0 |
| 10° | 58.2 | 58.2 | 58.2 | 57.5 | 57.5 | 57.5 | 56.8 | 56.8 | 56.1 | 55.4 | 49.9 |
| 12.5° | 52.6 | 52.6 | 52.6 | 52.6 | 51.9 | 51.9 | 51.3 | 51.3 | 50.6 | 49.9 | 43.6 |
| 15° | 49.9 | 49.9 | 49.9 | 49.2 | 49.2 | 48.5 | 47.8 | 47.1 | 46.4 | 45.0 | 37.4 |
| 17.5° | 54.0 | 54.0 | 53.3 | 53.3 | 51.9 | 50.6 | 49.9 | 47.8 | 46.4 | 44.3 | 33.2 |
| 20° | 72.0 | 72.7 | 70.0 | 67.9 | 66.5 | 62.3 | 60.3 | 56.8 | 54.0 | 50.6 | 30.5 |
| 22.5° | 145.4 | 142.7 | 137.8 | 130.2 | 121.2 | 113.6 | 99.7 | 88.7 | 81.0 | 70.6 | 29.8 |
| 25° | 299.2 | 296.4 | 283.3 | 272.2 | 244.5 | 223.0 | 193.2 | 169.0 | 144.1 | 119.8 | 30.5 |
| 27.5° | 568.6 | 549.9 | 546.5 | 495.9 | 457.1 | 401.7 | 344.2 | 295.7 | 251.4 | 202.2 | 32.6 |
| 30° | 1081.2 | 1059.7 | 984.2 | 908.0 | 803.4 | 685.0 | 572.1 | 466.8 | 378.9 | 299.2 | 35.3 |
| 31° | 1372.1 | 1392.8 | 1304.2 | 1151.1 | 996.7 | 845.0 | 690.5 | 556.9 | 443.3 | 344.2 | 36.7 |
| 32° | 1803.5 | 1712.8 | 1619.3 | 1462.1 | 1237.7 | 1043.8 | 849.8 | 657.3 | 507.7 | 392.7 | 38.1 |
| 33° | 2211.5 | 2158.2 | 2015.5 | 1819.5 | 1550.1 | 1277.9 | 1026.4 | 775.7 | 586.6 | 451.6 | 38.8 |
| 34° | 2646.5 | 2587.6 | 2471.9 | 2190.7 | 1895.0 | 1538.3 | 1203.1 | 912.2 | 680.8 | 509.1 | 39.5 |
| 35° | 3100.1 | 3075.2 | 2852.2 | 2608.4 | 2244.7 | 1814.6 | 1415.7 | 1061.8 | 772.9 | 561.7 | 40.2 |
| 36° | 3556.5 | 3476.2 | 3301.7 | 2945.7 | 2566.1 | 2070.2 | 1638.7 | 1201.0 | 866.5 | 624.0 | 40.2 |
| 37° | 3900.1 | 3882.1 | 3650.7 | 3303.7 | 2857.7 | 2343.1 | 1831.3 | 1355.4 | 960.6 | 677.4 | 40.2 |
| 38° | 4278.9 | 4207.6 | 3972.8 | 3619.6 | 3132.0 | 2593.1 | 2032.8 | 1489.8 | 1050.0 | 725.9 | 39.5 |
| 39° | 4598.2 | 4492.2 | 4255.4 | 3906.3 | 3371.6 | 2782.9 | 2192.8 | 1620.0 | 1128.9 | 766.0 | 38.8 |
| 40° | 4807.4 | 4734.0 | 4486.7 | 4094.0 | 3589.1 | 2962.3 | 2354.9 | 1727.4 | 1187.8 | 796.5 | 37.4 |
| 41° | 5038.0 | 4916.1 | 4671.6 | 4276.8 | 3747.0 | 3120.2 | 2456.7 | 1798.0 | 1233.5 | 816.6 | 36.0 |
| 42° | 5175.9 | 5076.1 | 4785.9 | 4399.4 | 3859.9 | 3210.2 | 2539.8 | 1852.0 | 1261.2 | 827.0 | 33.2 |
| 43° | 5304.7 | 5168.9 | 4886.3 | 4470.8 | 3934.7 | 3274.0 | 2577.9 | 1877.0 | 1267.5 | 827.0 | 29.8 |
| 44° | 5287.4 | 5158.5 | 4865.6 | 4480.5 | 3951.3 | 3292.7 | 2593.8 | 1877.7 | 1257.8 | 816.6 | 26.3 |
| 45° | 5157.8 | 5029.7 | 4765.8 | 4396.0 | 3891.8 | 3255.9 | 2562.0 | 1850.0 | 1230.8 | 798.6 | 23.5 |
| 46° | 4920.3 | 4792.8 | 4590.6 | 4254.7 | 3780.9 | 3172.8 | 2487.8 | 1789.7 | 1185.7 | 769.5 | 20.8 |
| 47° | 4661.9 | 4538.0 | 4330.9 | 4026.8 | 3591.9 | 3024.6 | 2380.5 | 1705.2 | 1122.7 | 727.2 | 18.7 |
| 48° | 4287.2 | 4209.7 | 4001.9 | 3742.2 | 3329.4 | 2792.6 | 2192.1 | 1567.4 | 1038.2 | 672.5 | 15.9 |
| 49° | 3956.2 | 3874.4 | 3692.3 | 3413.2 | 2987.2 | 2522.5 | 1967.0 | 1399.8 | 928.1 | 611.6 | 13.9 |
| 50° | 3639.6 | 3568.3 | 3400.0 | 3084.9 | 2678.3 | 2196.3 | 1662.9 | 1188.5 | 789.6 | 536.1 | 11.8 |
| 51° | 3330.1 | 3276.7 | 3105.0 | 2815.4 | 2402.7 | 1945.5 | 1440.6 | 989.7 | 652.4 | 444.7 | 11.1 |
| 52° | 3019.1 | 3012.8 | 2826.5 | 2533.6 | 2134.6 | 1695.5 | 1224.5 | 835.3 | 553.4 | 373.3 | 10.4 |
| 53° | 2684.5 | 2644.4 | 2481.6 | 2218.4 | 1835.4 | 1435.1 | 1038.2 | 704.4 | 476.5 | 317.9 | 9.0 |
| 54° | 2303.6 | 2258.6 | 2084.1 | 1846.5 | 1499.5 | 1175.4 | 836.7 | 569.3 | 396.9 | 268.7 | 8.3 |
| 55° | 1879.7 | 1802.9 | 1676.1 | 1432.3 | 1171.2 | 896.9 | 646.2 | 450.9 | 317.2 | 223.7 | 6.9 |
| 56° | 1426.1 | 1349.2 | 1277.9 | 1098.5 | 859.5 | 669.1 | 481.4 | 345.6 | 248.0 | 176.6 | 6.2 |
| 57° | 991.8 | 987.7 | 870.6 | 732.8 | 574.9 | 455.7 | 329.7 | 243.8 | 175.2 | 137.1 | 4.8 |
| 58° | 643.4 | 622.0 | 547.2 | 467.5 | 376.1 | 284.7 | 211.9 | 165.5 | 119.1 | 93.5 | 4.2 |
| 59° | 450.9 | 407.9 | 367.8 | 311.7 | 236.9 | 179.4 | 136.4 | 106.0 | 82.4 | 65.1 | 2.8 |
| 60° | 277.0 | 268.0 | 241.0 | 189.8 | 153.8 | 126.7 | 101.8 | 78.3 | 60.3 | 46.4 | 1.4 |
| 62.5° | 79.0 | 80.3 | 72.7 | 64.4 | 55.4 | 47.8 | 42.9 | 36.7 | 30.5 | 24.2 | 0.0 |
| 65° | 18.0 | 17.3 | 18.7 | 17.3 | 15.9 | 15.9 | 13.9 | 12.5 | 11.1 | 10.4 | 0.0 |



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CATALOG NUMBER: LDSQA3D13R20W2N902750DE010 3LSQCA45R 1MMS_2700K

CANDELA DISTRIBUTION (continued):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 67.5° | 5.5 | 5.5 | 4.8 | 4.8 | 4.8 | 4.2 | 4.2 | 3.5 | 3.5 | 2.8 | 0.0 |
| 70° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 1.4 | 1.4 | 1.4 | 0.7 | 0.7 | 0.0 |
| 72.5° | 2.1 | 2.1 | 2.1 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 0.7 | 0.7 | 0.7 |
| 75° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 0.7 | 0.7 | 0.7 | 0.7 |
| 77.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 0.7 | 1.4 | 0.7 | 0.7 | 0.7 | 0.7 |
| 80° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 82.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 85° | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.0 | 0.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 |
| 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: P1327548

CATALOG NUMBER: LDSQA3D13R20W2N902750DE010 3LSQCA45R 1MMS_2700K

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0° | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| 2.5° | 53.3 | 50.6 | 48.5 | 46.4 | 45.7 | 45.7 |
| 5° | 51.9 | 47.8 | 43.6 | 41.6 | 40.2 | 40.2 |
| 7.5° | 47.8 | 42.9 | 38.8 | 36.7 | 36.0 | 36.0 |
| 10° | 42.9 | 37.4 | 33.2 | 31.9 | 31.9 | 31.2 |
| 12.5° | 37.4 | 31.9 | 29.1 | 28.4 | 28.4 | 28.4 |
| 15° | 31.2 | 27.0 | 24.9 | 24.9 | 25.6 | 26.3 |
| 17.5° | 26.3 | 22.2 | 21.5 | 22.9 | 24.2 | 24.2 |
| 20° | 22.2 | 19.4 | 19.4 | 20.8 | 22.2 | 22.9 |
| 22.5° | 18.7 | 16.6 | 17.3 | 19.4 | 21.5 | 22.2 |
| 25° | 16.6 | 14.5 | 15.9 | 18.0 | 20.1 | 21.5 |
| 27.5° | 13.9 | 13.2 | 14.5 | 17.3 | 20.1 | 20.8 |
| 30° | 11.8 | 11.8 | 13.9 | 16.6 | 19.4 | 20.1 |
| 31° | 11.1 | 11.1 | 13.9 | 16.6 | 19.4 | 20.1 |
| 32° | 10.4 | 11.1 | 13.2 | 16.6 | 19.4 | 20.1 |
| 33° | 9.7 | 10.4 | 13.2 | 15.9 | 19.4 | 20.1 |
| 34° | 9.0 | 10.4 | 13.2 | 15.9 | 19.4 | 20.1 |
| 35° | 8.3 | 10.4 | 13.2 | 15.9 | 19.4 | 20.1 |
| 36° | 7.6 | 9.7 | 12.5 | 15.9 | 19.4 | 20.1 |
| 37° | 6.9 | 9.7 | 12.5 | 15.9 | 19.4 | 20.1 |
| 38° | 6.2 | 9.0 | 12.5 | 15.9 | 19.4 | 20.1 |
| 39° | 6.2 | 9.0 | 11.8 | 15.9 | 18.7 | 20.1 |
| 40° | 5.5 | 8.3 | 11.8 | 15.9 | 18.7 | 20.1 |
| 41° | 4.8 | 8.3 | 11.8 | 15.2 | 18.7 | 20.1 |
| 42° | 4.2 | 7.6 | 11.1 | 15.2 | 18.7 | 20.1 |
| 43° | 3.5 | 7.6 | 11.1 | 15.2 | 18.7 | 20.1 |
| 44° | 3.5 | 6.9 | 11.1 | 15.2 | 18.7 | 20.1 |
| 45° | 2.8 | 6.9 | 11.1 | 15.2 | 18.7 | 20.1 |
| 46° | 2.1 | 6.9 | 11.1 | 15.2 | 18.7 | 20.1 |
| 47° | 2.1 | 6.2 | 10.4 | 15.2 | 18.7 | 20.1 |
| 48° | 1.4 | 6.2 | 10.4 | 15.2 | 18.7 | 20.1 |
| 49° | 1.4 | 6.2 | 10.4 | 15.2 | 18.7 | 20.8 |
| 50° | 1.4 | 6.2 | 10.4 | 14.5 | 18.7 | 20.8 |
| 51° | 0.7 | 6.2 | 10.4 | 14.5 | 18.7 | 20.8 |
| 52° | 0.7 | 6.2 | 9.7 | 14.5 | 19.4 | 20.8 |
| 53° | 0.7 | 5.5 | 9.7 | 14.5 | 19.4 | 20.8 |
| 54° | 0.7 | 5.5 | 9.7 | 14.5 | 19.4 | 20.1 |
| 55° | 0.7 | 5.5 | 9.7 | 14.5 | 18.7 | 20.1 |
| 56° | 0.7 | 4.8 | 9.7 | 14.5 | 18.7 | 20.1 |
| 57° | 0.7 | 4.8 | 9.0 | 13.9 | 18.7 | 19.4 |
| 58° | 0.7 | 4.8 | 9.0 | 13.9 | 18.7 | 19.4 |
| 59° | 0.7 | 4.8 | 9.0 | 13.9 | 18.0 | 19.4 |
| 60° | 1.4 | 4.2 | 8.3 | 13.2 | 18.0 | 19.4 |
| 62.5° | 1.4 | 4.2 | 8.3 | 13.2 | 17.3 | 18.7 |
| 65° | 1.4 | 4.2 | 7.6 | 12.5 | 17.3 | 18.7 |



TEST NUMBER: P1327548

CATALOG NUMBER: LDSQA3D13R20W2N902750DE010 3LSQCA45R 1MMS_2700K

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.4 | 3.5 | 6.9 | 11.8 | 16.6 | 18.0 |
| 70° | 1.4 | 4.2 | 6.9 | 11.1 | 15.9 | 17.3 |
| 72.5° | 2.1 | 3.5 | 6.2 | 10.4 | 15.2 | 16.6 |
| 75° | 2.1 | 3.5 | 6.2 | 9.7 | 14.5 | 15.2 |
| 77.5° | 2.8 | 3.5 | 5.5 | 8.3 | 13.2 | 13.9 |
| 80° | 2.8 | 3.5 | 4.8 | 6.9 | 11.1 | 11.8 |
| 82.5° | 2.8 | 3.5 | 3.5 | 5.5 | 8.3 | 9.0 |
| 85° | 2.1 | 2.8 | 2.8 | 3.5 | 5.5 | 6.2 |
| 87.5° | 2.1 | 2.8 | 2.1 | 1.4 | 2.8 | 2.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)