

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: P1320057

Luminaire Tested: LDSQA3D13R159840DE010 3LSQCA45R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320057
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: LDSQA3D13R159840DE010 3LSQCA45R 1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQCA45R 1MW TRIM
Light Source: -
Ballast/Driver: -

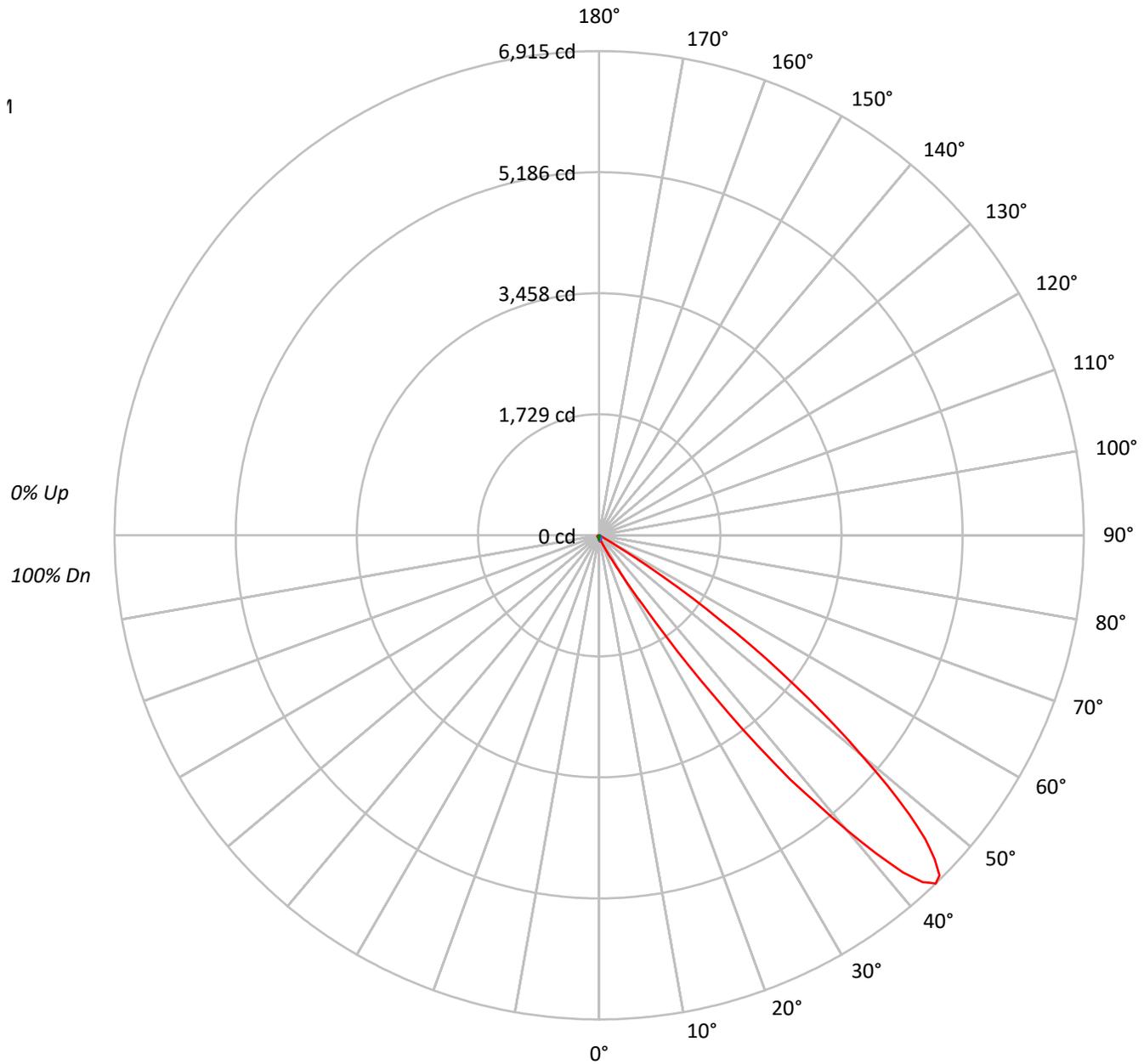
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 772.0 lumens
Efficiency: N/A
Efficacy: 53.2 lumens/watt
Spacing Criteria (0/90/45): 3.26 / 0.47 / 1.08
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1320057
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Luminous Intensity Polar Plot



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



TEST NUMBER: P1320057

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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 | 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 | 107 | 104 | 100 | 97 | 100 | 97 | 94 | 96 | 93 | 91 | 92 | 90 | 89 | 87 | 87 | 87 | 87 |
| 2 | 101 | 93 | 87 | 81 | 98 | 91 | 85 | 80 | 87 | 83 | 78 | 84 | 80 | 77 | 81 | 78 | 75 | 73 | 73 | 73 | 73 |
| 3 | 91 | 81 | 73 | 67 | 89 | 79 | 72 | 66 | 76 | 70 | 65 | 74 | 68 | 64 | 71 | 67 | 63 | 61 | 61 | 61 | 61 |
| 4 | 83 | 71 | 62 | 55 | 80 | 69 | 61 | 55 | 67 | 60 | 54 | 64 | 58 | 53 | 62 | 57 | 53 | 50 | 50 | 50 | 50 |
| 5 | 75 | 62 | 52 | 46 | 73 | 61 | 52 | 45 | 58 | 51 | 45 | 56 | 50 | 44 | 55 | 49 | 44 | 42 | 42 | 42 | 42 |
| 6 | 68 | 54 | 45 | 38 | 66 | 53 | 44 | 38 | 51 | 43 | 37 | 49 | 42 | 37 | 48 | 42 | 37 | 35 | 35 | 35 | 35 |
| 7 | 62 | 47 | 38 | 32 | 60 | 47 | 38 | 32 | 45 | 37 | 31 | 44 | 36 | 31 | 42 | 36 | 31 | 29 | 29 | 29 | 29 |
| 8 | 56 | 42 | 33 | 27 | 55 | 41 | 33 | 27 | 40 | 32 | 26 | 39 | 31 | 26 | 37 | 31 | 26 | 24 | 24 | 24 | 24 |
| 9 | 52 | 37 | 28 | 22 | 50 | 37 | 28 | 22 | 35 | 28 | 22 | 34 | 27 | 22 | 33 | 27 | 22 | 20 | 20 | 20 | 20 |
| 10 | 48 | 33 | 25 | 19 | 46 | 33 | 25 | 19 | 32 | 24 | 19 | 31 | 24 | 19 | 30 | 23 | 19 | 17 | 17 | 17 | 17 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|---------|-------|-------|-------|-------|
| 0° | 11797 | 11797 | 11797 | 11797 | 11797 |
| 5° | 14643 | 13035 | 10649 | 9318 | 9180 |
| 10° | 14410 | 11175 | 8219 | 7275 | 7397 |
| 15° | 11946 | 7952 | 5902 | 6044 | 6454 |
| 20° | 20747 | 6341 | 4509 | 5223 | 5920 |
| 25° | 46214 | 7601 | 3649 | 4827 | 5568 |
| 30° | 138231 | 9347 | 3222 | 4753 | 5827 |
| 35° | 532130 | 10512 | 2922 | 4857 | 6160 |
| 40° | 1235120 | 9173 | 2765 | 5014 | 6587 |
| 45° | 1672889 | 6941 | 2436 | 5431 | 7136 |
| 50° | 1311709 | 4126 | 2465 | 5787 | 7850 |
| 55° | 629587 | 1862 | 2312 | 6245 | 8557 |
| 60° | 57522 | 276 | 2136 | 6613 | 9541 |
| 65° | 6276 | 0 | 1875 | 6887 | 10351 |
| 70° | 1561 | 0 | 2316 | 7352 | 11229 |
| 75° | 1530 | 532 | 3061 | 8185 | 12776 |
| 80° | 1488 | 1488 | 3769 | 8430 | 13786 |
| 85° | 1581 | 1581 | 6126 | 7509 | 15215 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1672889 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 5.9 | 0.8 |
| 10°-20° | 12.2 | 1.6 |
| 20°-30° | 29.2 | 3.8 |
| 30°-40° | 159.7 | 20.7 |
| 40°-50° | 386.7 | 50.1 |
| 50°-60° | 154.3 | 20.0 |
| 60°-70° | 13.3 | 1.7 |
| 70°-80° | 7.5 | 1.0 |
| 80°-90° | 3.3 | 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° | 47.2 | 6.1 |
| 0°-40° | 206.9 | 26.8 |
| 0°-60° | 747.8 | 96.9 |
| 0°-90° | 772.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 772.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 68 | 68 | 68 | 68 | 68 | |
| 5° | 85 | 75 | 62 | 54 | 53 | 8 |
| 15° | 67 | 45 | 33 | 34 | 36 | 23 |
| 25° | 243 | 40 | 19 | 25 | 29 | 147 |
| 35° | 2531 | 50 | 14 | 23 | 29 | 1788 |
| 45° | 6868 | 28 | 10 | 22 | 29 | 4845 |
| 55° | 2097 | 6 | 8 | 21 | 28 | 1953 |
| 65° | 15 | 0 | 5 | 17 | 25 | 40 |
| 75° | 2 | 1 | 5 | 12 | 19 | 2 |
| 85° | 1 | 1 | 3 | 4 | 8 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1320057

CATALOG NUMBER: LDSQA3D13R159840DE010 3LSQCA45R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|
| 0° | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| 2.5° | 77.0 | 77.0 | 77.7 | 77.0 | 77.0 | 77.0 | 77.0 | 76.2 | 76.2 | 76.2 | 73.9 |
| 5° | 84.7 | 84.7 | 84.7 | 84.7 | 83.9 | 83.9 | 83.9 | 83.1 | 83.1 | 82.4 | 75.4 |
| 7.5° | 87.8 | 87.8 | 87.0 | 87.0 | 86.2 | 86.2 | 85.4 | 84.7 | 83.9 | 83.1 | 72.4 |
| 10° | 82.4 | 82.4 | 82.4 | 81.6 | 81.6 | 80.8 | 80.1 | 79.3 | 78.5 | 77.0 | 63.9 |
| 12.5° | 73.1 | 73.1 | 73.9 | 73.1 | 72.4 | 71.6 | 70.0 | 69.3 | 68.5 | 67.0 | 53.1 |
| 15° | 67.0 | 67.0 | 67.0 | 66.2 | 65.4 | 63.9 | 63.1 | 61.6 | 60.8 | 58.5 | 44.6 |
| 17.5° | 85.4 | 85.4 | 84.7 | 83.1 | 80.1 | 77.7 | 73.9 | 70.8 | 67.0 | 62.4 | 38.5 |
| 20° | 113.2 | 113.2 | 111.6 | 110.1 | 106.2 | 102.4 | 96.2 | 90.8 | 84.7 | 79.3 | 34.6 |
| 22.5° | 164.0 | 166.3 | 161.6 | 156.3 | 150.9 | 141.6 | 133.2 | 124.7 | 113.9 | 104.7 | 35.4 |
| 25° | 243.2 | 245.6 | 243.2 | 230.9 | 220.9 | 208.6 | 192.4 | 175.5 | 157.0 | 140.1 | 40.0 |
| 27.5° | 394.1 | 395.7 | 391.8 | 361.8 | 345.6 | 313.3 | 284.8 | 257.1 | 226.3 | 195.5 | 43.9 |
| 30° | 695.1 | 695.9 | 671.2 | 611.2 | 558.1 | 487.3 | 427.2 | 369.5 | 321.0 | 271.7 | 47.0 |
| 31° | 915.2 | 893.7 | 841.3 | 769.0 | 684.3 | 588.9 | 506.5 | 431.8 | 359.5 | 306.4 | 47.7 |
| 32° | 1162.3 | 1159.3 | 1072.3 | 946.8 | 833.6 | 714.3 | 590.4 | 495.0 | 411.8 | 339.5 | 48.5 |
| 33° | 1489.5 | 1491.0 | 1354.0 | 1206.2 | 1020.7 | 860.6 | 698.2 | 567.3 | 467.2 | 378.7 | 50.0 |
| 34° | 2000.6 | 1880.5 | 1719.6 | 1519.5 | 1267.0 | 1026.1 | 815.2 | 651.2 | 517.3 | 416.4 | 50.0 |
| 35° | 2531.0 | 2410.1 | 2233.1 | 1929.8 | 1583.4 | 1246.2 | 954.5 | 741.3 | 577.3 | 457.2 | 50.0 |
| 36° | 3125.2 | 3022.8 | 2755.0 | 2367.8 | 1925.9 | 1454.1 | 1102.3 | 845.2 | 636.6 | 494.2 | 49.3 |
| 37° | 3767.2 | 3617.1 | 3320.0 | 2897.4 | 2306.2 | 1746.6 | 1282.4 | 948.3 | 695.9 | 534.2 | 47.7 |
| 38° | 4419.2 | 4283.7 | 3908.8 | 3396.9 | 2760.3 | 2055.3 | 1462.5 | 1047.6 | 750.5 | 564.2 | 45.4 |
| 39° | 4913.4 | 4839.5 | 4467.7 | 3895.7 | 3122.9 | 2347.8 | 1648.0 | 1153.9 | 808.2 | 594.3 | 43.1 |
| 40° | 5493.8 | 5374.4 | 5021.9 | 4314.5 | 3551.7 | 2645.7 | 1829.7 | 1247.8 | 856.0 | 618.1 | 40.8 |
| 41° | 6023.3 | 5872.5 | 5427.6 | 4744.0 | 3895.0 | 2913.5 | 2002.1 | 1344.8 | 894.5 | 632.0 | 39.3 |
| 42° | 6477.5 | 6302.0 | 5837.1 | 5112.0 | 4182.1 | 3127.5 | 2139.9 | 1414.0 | 930.6 | 643.5 | 36.9 |
| 43° | 6771.5 | 6619.9 | 6162.7 | 5388.3 | 4427.6 | 3323.8 | 2268.5 | 1486.4 | 953.0 | 651.2 | 33.9 |
| 44° | 6914.7 | 6761.5 | 6318.9 | 5561.5 | 4578.5 | 3441.6 | 2351.6 | 1536.4 | 977.6 | 661.2 | 31.6 |
| 45° | 6868.5 | 6713.0 | 6285.1 | 5564.6 | 4625.5 | 3483.9 | 2387.0 | 1558.8 | 990.7 | 670.5 | 28.5 |
| 46° | 6656.9 | 6547.5 | 6116.5 | 5419.9 | 4536.2 | 3438.5 | 2367.0 | 1541.8 | 986.1 | 670.5 | 25.4 |
| 47° | 6359.7 | 6235.0 | 5824.7 | 5171.2 | 4319.9 | 3321.5 | 2286.2 | 1490.2 | 957.6 | 655.1 | 22.3 |
| 48° | 5954.8 | 5848.6 | 5417.5 | 4776.3 | 3988.1 | 3066.7 | 2103.7 | 1406.3 | 912.9 | 625.0 | 19.2 |
| 49° | 5446.8 | 5299.0 | 4898.0 | 4271.4 | 3555.5 | 2704.9 | 1864.4 | 1264.7 | 841.3 | 582.7 | 16.9 |
| 50° | 4895.7 | 4713.2 | 4403.8 | 3765.6 | 3108.3 | 2319.3 | 1549.5 | 1069.2 | 740.5 | 527.3 | 15.4 |
| 51° | 4356.1 | 4170.5 | 3875.7 | 3333.0 | 2631.0 | 1924.4 | 1250.1 | 853.7 | 609.6 | 451.1 | 13.1 |
| 52° | 3796.4 | 3640.9 | 3310.7 | 2884.3 | 2252.3 | 1559.5 | 1041.5 | 722.0 | 506.5 | 378.7 | 10.8 |
| 53° | 3239.1 | 3132.9 | 2818.8 | 2387.0 | 1809.7 | 1273.9 | 850.6 | 618.1 | 441.8 | 324.1 | 8.5 |
| 54° | 2681.1 | 2564.8 | 2326.2 | 1941.3 | 1458.7 | 1005.3 | 721.3 | 517.3 | 383.3 | 282.5 | 7.7 |
| 55° | 2096.8 | 2036.8 | 1816.6 | 1480.2 | 1105.4 | 802.1 | 585.0 | 444.9 | 321.0 | 236.3 | 6.2 |
| 56° | 1614.9 | 1547.2 | 1346.3 | 1073.8 | 821.3 | 628.1 | 473.4 | 363.3 | 271.7 | 197.8 | 4.6 |
| 57° | 1057.6 | 988.4 | 855.2 | 749.7 | 598.1 | 458.0 | 361.8 | 286.3 | 220.9 | 164.0 | 3.8 |
| 58° | 625.0 | 561.9 | 541.1 | 461.9 | 398.7 | 311.0 | 267.1 | 213.2 | 163.2 | 129.3 | 2.3 |
| 59° | 287.1 | 291.7 | 259.4 | 243.2 | 220.9 | 197.8 | 162.4 | 142.4 | 111.6 | 93.1 | 1.5 |
| 60° | 167.0 | 157.8 | 154.0 | 137.8 | 122.4 | 108.5 | 97.8 | 86.2 | 70.0 | 60.0 | 0.8 |
| 62.5° | 57.0 | 54.7 | 56.2 | 50.8 | 47.7 | 46.2 | 42.3 | 36.2 | 30.0 | 24.6 | 0.0 |
| 65° | 15.4 | 15.4 | 14.6 | 13.9 | 13.1 | 12.3 | 11.5 | 10.0 | 9.2 | 7.7 | 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° | 5.4 | 5.4 | 4.6 | 4.6 | 3.8 | 3.8 | 3.1 | 3.1 | 2.3 | 2.3 | 0.0 |
| 70° | 3.1 | 3.1 | 3.1 | 2.3 | 2.3 | 2.3 | 1.5 | 1.5 | 1.5 | 0.8 | 0.0 |
| 72.5° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 1.5 | 1.5 | 1.5 | 0.8 | 0.8 |
| 75° | 2.3 | 2.3 | 2.3 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.8 |
| 77.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 80° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.8 | 1.5 |
| 82.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.5 |
| 85° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 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 |



TEST NUMBER: P1320057

CATALOG NUMBER: LDSQA3D13R159840DE010 3LSQCA45R 1MW

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0° | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| 2.5° | 70.8 | 67.7 | 63.9 | 61.6 | 60.8 | 60.0 |
| 5° | 67.7 | 61.6 | 57.0 | 53.9 | 53.1 | 53.1 |
| 7.5° | 60.8 | 53.9 | 49.3 | 47.7 | 47.0 | 47.0 |
| 10° | 53.1 | 47.0 | 43.1 | 41.6 | 42.3 | 42.3 |
| 12.5° | 44.6 | 39.3 | 37.7 | 37.7 | 38.5 | 39.3 |
| 15° | 36.2 | 33.1 | 33.1 | 33.9 | 35.4 | 36.2 |
| 17.5° | 30.0 | 28.5 | 29.3 | 30.8 | 32.3 | 33.9 |
| 20° | 24.6 | 24.6 | 26.2 | 28.5 | 30.8 | 32.3 |
| 22.5° | 20.8 | 21.6 | 23.9 | 26.2 | 29.3 | 30.8 |
| 25° | 17.7 | 19.2 | 21.6 | 25.4 | 28.5 | 29.3 |
| 27.5° | 15.4 | 17.7 | 20.8 | 24.6 | 27.7 | 29.3 |
| 30° | 13.1 | 16.2 | 20.0 | 23.9 | 27.7 | 29.3 |
| 31° | 12.3 | 15.4 | 19.2 | 23.9 | 27.7 | 29.3 |
| 32° | 11.5 | 15.4 | 19.2 | 23.9 | 27.7 | 29.3 |
| 33° | 10.8 | 14.6 | 19.2 | 23.1 | 27.7 | 29.3 |
| 34° | 10.0 | 14.6 | 19.2 | 23.9 | 27.7 | 29.3 |
| 35° | 9.2 | 13.9 | 18.5 | 23.1 | 26.9 | 29.3 |
| 36° | 8.5 | 13.9 | 18.5 | 23.1 | 27.7 | 29.3 |
| 37° | 7.7 | 13.9 | 18.5 | 23.1 | 26.9 | 29.3 |
| 38° | 7.7 | 13.1 | 17.7 | 23.1 | 26.9 | 29.3 |
| 39° | 6.9 | 12.3 | 17.7 | 23.1 | 26.9 | 29.3 |
| 40° | 6.2 | 12.3 | 16.9 | 22.3 | 26.9 | 29.3 |
| 41° | 5.4 | 11.5 | 16.9 | 22.3 | 26.9 | 29.3 |
| 42° | 4.6 | 11.5 | 16.9 | 22.3 | 26.9 | 29.3 |
| 43° | 3.8 | 10.8 | 16.2 | 22.3 | 26.9 | 29.3 |
| 44° | 3.8 | 10.8 | 16.2 | 22.3 | 26.9 | 29.3 |
| 45° | 3.1 | 10.0 | 15.4 | 22.3 | 26.9 | 29.3 |
| 46° | 3.1 | 10.0 | 15.4 | 21.6 | 26.9 | 29.3 |
| 47° | 2.3 | 10.0 | 15.4 | 21.6 | 26.9 | 29.3 |
| 48° | 2.3 | 9.2 | 15.4 | 21.6 | 26.9 | 29.3 |
| 49° | 1.5 | 9.2 | 15.4 | 21.6 | 26.9 | 29.3 |
| 50° | 1.5 | 9.2 | 14.6 | 21.6 | 26.9 | 29.3 |
| 51° | 1.5 | 9.2 | 14.6 | 21.6 | 26.9 | 29.3 |
| 52° | 1.5 | 8.5 | 14.6 | 21.6 | 26.9 | 29.3 |
| 53° | 1.5 | 8.5 | 14.6 | 21.6 | 26.9 | 29.3 |
| 54° | 1.5 | 8.5 | 13.9 | 21.6 | 26.9 | 29.3 |
| 55° | 1.5 | 7.7 | 13.9 | 20.8 | 26.9 | 28.5 |
| 56° | 1.5 | 7.7 | 13.9 | 20.8 | 26.9 | 28.5 |
| 57° | 1.5 | 7.7 | 13.1 | 20.8 | 26.9 | 28.5 |
| 58° | 1.5 | 6.9 | 13.1 | 20.0 | 26.2 | 28.5 |
| 59° | 1.5 | 6.9 | 12.3 | 20.0 | 26.2 | 27.7 |
| 60° | 1.5 | 6.2 | 12.3 | 19.2 | 25.4 | 27.7 |
| 62.5° | 1.5 | 5.4 | 10.8 | 18.5 | 24.6 | 26.2 |
| 65° | 1.5 | 4.6 | 10.0 | 16.9 | 23.9 | 25.4 |



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CATALOG NUMBER: LDSQA3D13R159840DE010 3LSQCA45R 1MW

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.5 | 4.6 | 9.2 | 16.2 | 22.3 | 24.6 |
| 70° | 1.5 | 4.6 | 8.5 | 14.6 | 21.6 | 22.3 |
| 72.5° | 2.3 | 4.6 | 7.7 | 13.9 | 20.0 | 20.8 |
| 75° | 3.1 | 4.6 | 6.9 | 12.3 | 18.5 | 19.2 |
| 77.5° | 3.1 | 4.6 | 6.2 | 10.8 | 16.2 | 16.9 |
| 80° | 3.1 | 3.8 | 5.4 | 8.5 | 13.1 | 13.9 |
| 82.5° | 3.1 | 3.8 | 3.8 | 6.9 | 10.0 | 10.8 |
| 85° | 2.3 | 3.1 | 3.1 | 3.8 | 6.9 | 7.7 |
| 87.5° | 2.3 | 3.1 | 1.5 | 2.3 | 3.1 | 3.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)