

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: P1307751

Luminaire Tested: LDSQA3D05R159027DE010 3LSQCA45R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307751
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: LDSQA3D05R159027DE010 3LSQCA45R 1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , 3LSQCA45R 1MMS TRII
Light Source: -
Ballast/Driver: -

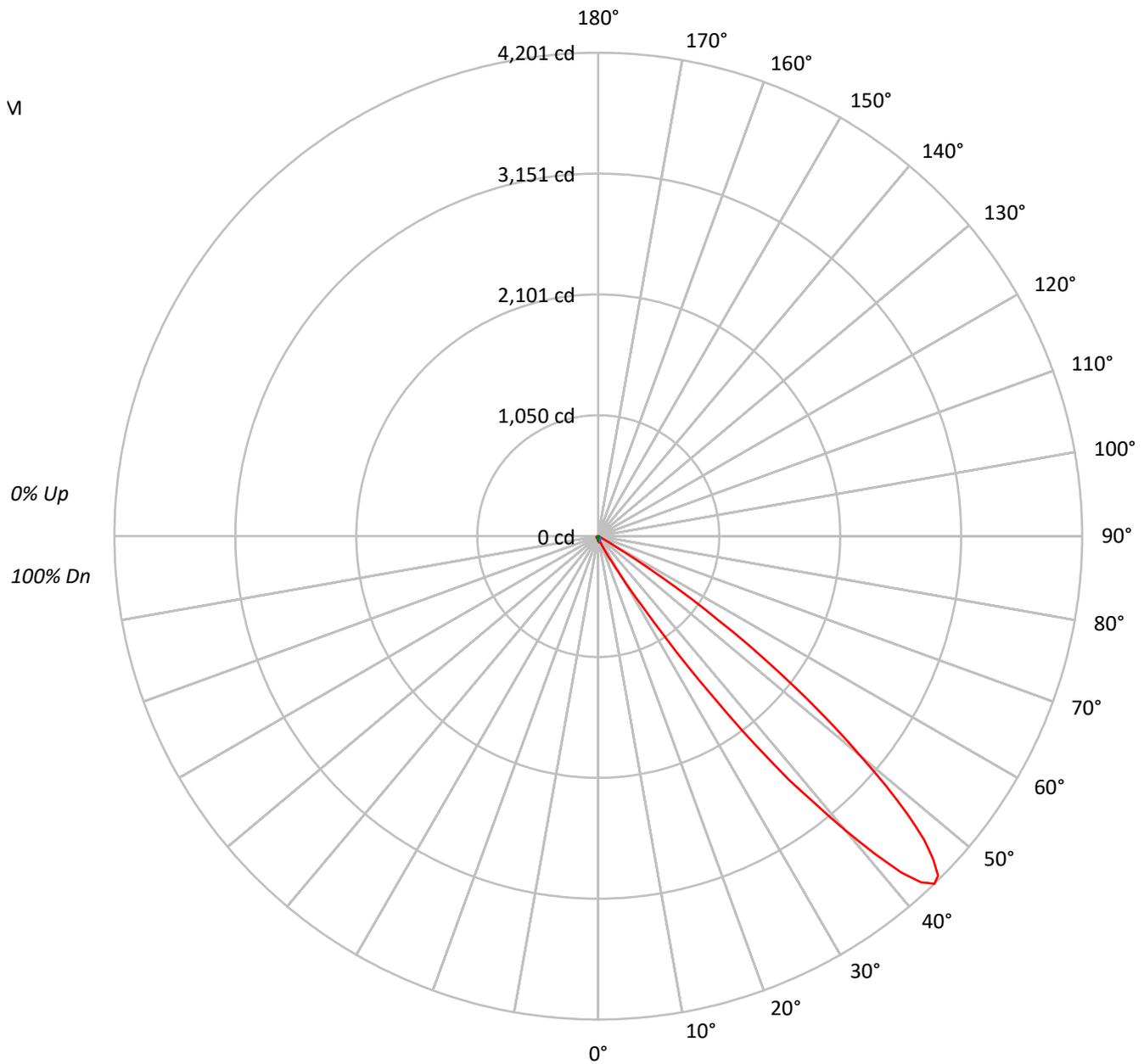
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 469.0 lumens
Efficiency: N/A
Efficacy: 65.1 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): 7.2
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: P1307751
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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 | 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° | 7164 | 7164 | 7164 | 7164 | 7164 |
| 5° | 8886 | 7918 | 6466 | 5653 | 5584 |
| 10° | 8744 | 6785 | 4984 | 4424 | 4494 |
| 15° | 7257 | 4832 | 3584 | 3673 | 3923 |
| 20° | 12591 | 3849 | 2749 | 3171 | 3592 |
| 25° | 28086 | 4618 | 2223 | 2926 | 3382 |
| 30° | 83981 | 5668 | 1949 | 2884 | 3540 |
| 35° | 323273 | 6391 | 1766 | 2943 | 3742 |
| 40° | 750339 | 5576 | 1686 | 3058 | 4002 |
| 45° | 1016301 | 4214 | 1486 | 3312 | 4335 |
| 50° | 796880 | 2519 | 1500 | 3510 | 4769 |
| 55° | 382472 | 1111 | 1411 | 3783 | 5195 |
| 60° | 34961 | 172 | 1274 | 4030 | 5787 |
| 65° | 3831 | 0 | 1141 | 4197 | 6276 |
| 70° | 957 | 0 | 1410 | 4482 | 6848 |
| 75° | 932 | 333 | 1863 | 4991 | 7785 |
| 80° | 893 | 893 | 2281 | 5058 | 8331 |
| 85° | 988 | 988 | 3754 | 4545 | 9287 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1016301 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 3.6 | 0.8 |
| 10°-20° | 7.4 | 1.6 |
| 20°-30° | 17.7 | 3.8 |
| 30°-40° | 97.0 | 20.7 |
| 40°-50° | 234.9 | 50.1 |
| 50°-60° | 93.7 | 20.0 |
| 60°-70° | 8.1 | 1.7 |
| 70°-80° | 4.6 | 1.0 |
| 80°-90° | 2.0 | 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° | 28.7 | 6.1 |
| 0°-40° | 125.7 | 26.8 |
| 0°-60° | 454.3 | 96.9 |
| 0°-90° | 469.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 469.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 42 | 42 | 42 | 42 | 42 | |
| 5° | 51 | 46 | 37 | 33 | 32 | 5 |
| 15° | 41 | 27 | 20 | 21 | 22 | 14 |
| 25° | 148 | 24 | 12 | 15 | 18 | 89 |
| 35° | 1538 | 30 | 8 | 14 | 18 | 1087 |
| 45° | 4173 | 17 | 6 | 14 | 18 | 2944 |
| 55° | 1274 | 4 | 5 | 13 | 17 | 1187 |
| 65° | 9 | 0 | 3 | 10 | 15 | 24 |
| 75° | 1 | 0 | 3 | 8 | 12 | 1 |
| 85° | 0 | 0 | 2 | 2 | 5 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1307751

CATALOG NUMBER: LDSQA3D05R159027DE010 3LSQCA45R 1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|
| 0° | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| 2.5° | 46.8 | 46.8 | 47.2 | 46.8 | 46.8 | 46.8 | 46.8 | 46.3 | 46.3 | 46.3 | 44.9 |
| 5° | 51.4 | 51.4 | 51.4 | 51.4 | 51.0 | 51.0 | 51.0 | 50.5 | 50.5 | 50.0 | 45.8 |
| 7.5° | 53.3 | 53.3 | 52.8 | 52.8 | 52.4 | 52.4 | 51.9 | 51.4 | 51.0 | 50.5 | 44.0 |
| 10° | 50.0 | 50.0 | 50.0 | 49.6 | 49.6 | 49.1 | 48.6 | 48.2 | 47.7 | 46.8 | 38.8 |
| 12.5° | 44.4 | 44.4 | 44.9 | 44.4 | 44.0 | 43.5 | 42.6 | 42.1 | 41.6 | 40.7 | 32.3 |
| 15° | 40.7 | 40.7 | 40.7 | 40.2 | 39.7 | 38.8 | 38.3 | 37.4 | 36.9 | 35.5 | 27.1 |
| 17.5° | 51.9 | 51.9 | 51.4 | 50.5 | 48.6 | 47.2 | 44.9 | 43.0 | 40.7 | 37.9 | 23.4 |
| 20° | 68.7 | 68.7 | 67.8 | 66.9 | 64.5 | 62.2 | 58.5 | 55.2 | 51.4 | 48.2 | 21.0 |
| 22.5° | 99.6 | 101.0 | 98.2 | 94.9 | 91.7 | 86.0 | 80.9 | 75.8 | 69.2 | 63.6 | 21.5 |
| 25° | 147.8 | 149.2 | 147.8 | 140.3 | 134.2 | 126.7 | 116.9 | 106.6 | 95.4 | 85.1 | 24.3 |
| 27.5° | 239.4 | 240.4 | 238.0 | 219.8 | 210.0 | 190.3 | 173.0 | 156.2 | 137.5 | 118.8 | 26.7 |
| 30° | 422.3 | 422.7 | 407.8 | 371.3 | 339.0 | 296.0 | 259.5 | 224.5 | 195.0 | 165.1 | 28.5 |
| 31° | 556.0 | 542.9 | 511.1 | 467.2 | 415.7 | 357.7 | 307.7 | 262.3 | 218.4 | 186.1 | 29.0 |
| 32° | 706.1 | 704.3 | 651.4 | 575.2 | 506.5 | 434.0 | 358.7 | 300.7 | 250.2 | 206.2 | 29.5 |
| 33° | 904.9 | 905.8 | 822.6 | 732.8 | 620.1 | 522.8 | 424.1 | 344.6 | 283.9 | 230.1 | 30.4 |
| 34° | 1215.4 | 1142.4 | 1044.7 | 923.1 | 769.7 | 623.4 | 495.2 | 395.6 | 314.3 | 253.0 | 30.4 |
| 35° | 1537.6 | 1464.2 | 1356.6 | 1172.4 | 961.9 | 757.1 | 579.9 | 450.3 | 350.7 | 277.8 | 30.4 |
| 36° | 1898.6 | 1836.4 | 1673.7 | 1438.5 | 1170.0 | 883.4 | 669.7 | 513.5 | 386.7 | 300.2 | 29.9 |
| 37° | 2288.6 | 2197.4 | 2016.9 | 1760.2 | 1401.0 | 1061.1 | 779.1 | 576.1 | 422.7 | 324.5 | 29.0 |
| 38° | 2684.7 | 2602.4 | 2374.7 | 2063.7 | 1676.9 | 1248.6 | 888.5 | 636.5 | 455.9 | 342.8 | 27.6 |
| 39° | 2984.9 | 2940.0 | 2714.2 | 2366.7 | 1897.2 | 1426.3 | 1001.2 | 701.0 | 491.0 | 361.0 | 26.2 |
| 40° | 3337.5 | 3265.0 | 3050.9 | 2621.1 | 2157.7 | 1607.3 | 1111.6 | 758.0 | 520.0 | 375.5 | 24.8 |
| 41° | 3659.3 | 3567.6 | 3297.3 | 2882.0 | 2366.2 | 1770.0 | 1216.3 | 817.0 | 543.4 | 383.9 | 23.8 |
| 42° | 3935.2 | 3828.5 | 3546.1 | 3105.6 | 2540.7 | 1900.0 | 1300.0 | 859.0 | 565.4 | 390.9 | 22.4 |
| 43° | 4113.8 | 4021.7 | 3743.9 | 3273.5 | 2689.8 | 2019.3 | 1378.1 | 903.0 | 578.9 | 395.6 | 20.6 |
| 44° | 4200.8 | 4107.7 | 3838.8 | 3378.7 | 2781.5 | 2090.8 | 1428.6 | 933.4 | 593.9 | 401.7 | 19.2 |
| 45° | 4172.7 | 4078.3 | 3818.3 | 3380.5 | 2810.0 | 2116.5 | 1450.1 | 947.0 | 601.8 | 407.3 | 17.3 |
| 46° | 4044.1 | 3977.7 | 3715.8 | 3292.6 | 2755.8 | 2088.9 | 1438.0 | 936.7 | 599.0 | 407.3 | 15.4 |
| 47° | 3863.6 | 3787.9 | 3538.6 | 3141.6 | 2624.4 | 2017.9 | 1388.9 | 905.3 | 581.7 | 398.0 | 13.6 |
| 48° | 3617.6 | 3553.1 | 3291.2 | 2901.7 | 2422.8 | 1863.1 | 1278.1 | 854.4 | 554.6 | 379.7 | 11.7 |
| 49° | 3309.0 | 3219.2 | 2975.6 | 2594.9 | 2160.0 | 1643.3 | 1132.6 | 768.3 | 511.1 | 354.0 | 10.3 |
| 50° | 2974.2 | 2863.3 | 2675.4 | 2287.7 | 1888.3 | 1409.0 | 941.4 | 649.5 | 449.9 | 320.3 | 9.4 |
| 51° | 2646.4 | 2533.7 | 2354.6 | 2024.9 | 1598.4 | 1169.1 | 759.4 | 518.6 | 370.4 | 274.0 | 7.9 |
| 52° | 2306.4 | 2211.9 | 2011.3 | 1752.2 | 1368.3 | 947.4 | 632.7 | 438.6 | 307.7 | 230.1 | 6.5 |
| 53° | 1967.8 | 1903.3 | 1712.5 | 1450.1 | 1099.4 | 773.9 | 516.7 | 375.5 | 268.4 | 196.9 | 5.1 |
| 54° | 1628.8 | 1558.2 | 1413.2 | 1179.4 | 886.2 | 610.7 | 438.2 | 314.3 | 232.9 | 171.6 | 4.7 |
| 55° | 1273.8 | 1237.4 | 1103.6 | 899.3 | 671.5 | 487.3 | 355.4 | 270.3 | 195.0 | 143.6 | 3.7 |
| 56° | 981.1 | 940.0 | 817.9 | 652.4 | 499.0 | 381.6 | 287.6 | 220.7 | 165.1 | 120.2 | 2.8 |
| 57° | 642.5 | 600.4 | 519.5 | 455.5 | 363.4 | 278.2 | 219.8 | 174.0 | 134.2 | 99.6 | 2.3 |
| 58° | 379.7 | 341.4 | 328.7 | 280.6 | 242.2 | 188.9 | 162.3 | 129.5 | 99.1 | 78.6 | 1.4 |
| 59° | 174.4 | 177.2 | 157.6 | 147.8 | 134.2 | 120.2 | 98.7 | 86.5 | 67.8 | 56.6 | 0.9 |
| 60° | 101.5 | 95.9 | 93.5 | 83.7 | 74.4 | 65.9 | 59.4 | 52.4 | 42.6 | 36.5 | 0.5 |
| 62.5° | 34.6 | 33.2 | 34.1 | 30.9 | 29.0 | 28.1 | 25.7 | 22.0 | 18.2 | 15.0 | 0.0 |
| 65° | 9.4 | 9.4 | 8.9 | 8.4 | 7.9 | 7.5 | 7.0 | 6.1 | 5.6 | 4.7 | 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° | 3.3 | 3.3 | 2.8 | 2.8 | 2.3 | 2.3 | 1.9 | 1.9 | 1.4 | 1.4 | 0.0 |
| 70° | 1.9 | 1.9 | 1.9 | 1.4 | 1.4 | 1.4 | 0.9 | 0.9 | 0.9 | 0.5 | 0.0 |
| 72.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 0.9 | 0.9 | 0.9 | 0.5 | 0.5 |
| 75° | 1.4 | 1.4 | 1.4 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.5 |
| 77.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 80° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.5 | 0.9 |
| 82.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.9 |
| 85° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 |
| 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: LDSQA3D05R159027DE010 3LSQCA45R 1MMS

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0° | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| 2.5° | 43.0 | 41.2 | 38.8 | 37.4 | 36.9 | 36.5 |
| 5° | 41.2 | 37.4 | 34.6 | 32.7 | 32.3 | 32.3 |
| 7.5° | 36.9 | 32.7 | 29.9 | 29.0 | 28.5 | 28.5 |
| 10° | 32.3 | 28.5 | 26.2 | 25.3 | 25.7 | 25.7 |
| 12.5° | 27.1 | 23.8 | 22.9 | 22.9 | 23.4 | 23.8 |
| 15° | 22.0 | 20.1 | 20.1 | 20.6 | 21.5 | 22.0 |
| 17.5° | 18.2 | 17.3 | 17.8 | 18.7 | 19.6 | 20.6 |
| 20° | 15.0 | 15.0 | 15.9 | 17.3 | 18.7 | 19.6 |
| 22.5° | 12.6 | 13.1 | 14.5 | 15.9 | 17.8 | 18.7 |
| 25° | 10.8 | 11.7 | 13.1 | 15.4 | 17.3 | 17.8 |
| 27.5° | 9.4 | 10.8 | 12.6 | 15.0 | 16.8 | 17.8 |
| 30° | 7.9 | 9.8 | 12.2 | 14.5 | 16.8 | 17.8 |
| 31° | 7.5 | 9.4 | 11.7 | 14.5 | 16.8 | 17.8 |
| 32° | 7.0 | 9.4 | 11.7 | 14.5 | 16.8 | 17.8 |
| 33° | 6.5 | 8.9 | 11.7 | 14.0 | 16.8 | 17.8 |
| 34° | 6.1 | 8.9 | 11.7 | 14.5 | 16.8 | 17.8 |
| 35° | 5.6 | 8.4 | 11.2 | 14.0 | 16.4 | 17.8 |
| 36° | 5.1 | 8.4 | 11.2 | 14.0 | 16.8 | 17.8 |
| 37° | 4.7 | 8.4 | 11.2 | 14.0 | 16.4 | 17.8 |
| 38° | 4.7 | 7.9 | 10.8 | 14.0 | 16.4 | 17.8 |
| 39° | 4.2 | 7.5 | 10.8 | 14.0 | 16.4 | 17.8 |
| 40° | 3.7 | 7.5 | 10.3 | 13.6 | 16.4 | 17.8 |
| 41° | 3.3 | 7.0 | 10.3 | 13.6 | 16.4 | 17.8 |
| 42° | 2.8 | 7.0 | 10.3 | 13.6 | 16.4 | 17.8 |
| 43° | 2.3 | 6.5 | 9.8 | 13.6 | 16.4 | 17.8 |
| 44° | 2.3 | 6.5 | 9.8 | 13.6 | 16.4 | 17.8 |
| 45° | 1.9 | 6.1 | 9.4 | 13.6 | 16.4 | 17.8 |
| 46° | 1.9 | 6.1 | 9.4 | 13.1 | 16.4 | 17.8 |
| 47° | 1.4 | 6.1 | 9.4 | 13.1 | 16.4 | 17.8 |
| 48° | 1.4 | 5.6 | 9.4 | 13.1 | 16.4 | 17.8 |
| 49° | 0.9 | 5.6 | 9.4 | 13.1 | 16.4 | 17.8 |
| 50° | 0.9 | 5.6 | 8.9 | 13.1 | 16.4 | 17.8 |
| 51° | 0.9 | 5.6 | 8.9 | 13.1 | 16.4 | 17.8 |
| 52° | 0.9 | 5.1 | 8.9 | 13.1 | 16.4 | 17.8 |
| 53° | 0.9 | 5.1 | 8.9 | 13.1 | 16.4 | 17.8 |
| 54° | 0.9 | 5.1 | 8.4 | 13.1 | 16.4 | 17.8 |
| 55° | 0.9 | 4.7 | 8.4 | 12.6 | 16.4 | 17.3 |
| 56° | 0.9 | 4.7 | 8.4 | 12.6 | 16.4 | 17.3 |
| 57° | 0.9 | 4.7 | 7.9 | 12.6 | 16.4 | 17.3 |
| 58° | 0.9 | 4.2 | 7.9 | 12.2 | 15.9 | 17.3 |
| 59° | 0.9 | 4.2 | 7.5 | 12.2 | 15.9 | 16.8 |
| 60° | 0.9 | 3.7 | 7.5 | 11.7 | 15.4 | 16.8 |
| 62.5° | 0.9 | 3.3 | 6.5 | 11.2 | 15.0 | 15.9 |
| 65° | 0.9 | 2.8 | 6.1 | 10.3 | 14.5 | 15.4 |



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CATALOG NUMBER: LDSQA3D05R159027DE010 3LSQCA45R 1MMS

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.9 | 2.8 | 5.6 | 9.8 | 13.6 | 15.0 |
| 70° | 0.9 | 2.8 | 5.1 | 8.9 | 13.1 | 13.6 |
| 72.5° | 1.4 | 2.8 | 4.7 | 8.4 | 12.2 | 12.6 |
| 75° | 1.9 | 2.8 | 4.2 | 7.5 | 11.2 | 11.7 |
| 77.5° | 1.9 | 2.8 | 3.7 | 6.5 | 9.8 | 10.3 |
| 80° | 1.9 | 2.3 | 3.3 | 5.1 | 7.9 | 8.4 |
| 82.5° | 1.9 | 2.3 | 2.3 | 4.2 | 6.1 | 6.5 |
| 85° | 1.4 | 1.9 | 1.9 | 2.3 | 4.2 | 4.7 |
| 87.5° | 1.4 | 1.9 | 0.9 | 1.4 | 1.9 | 1.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)