

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: P1307148

Luminaire Tested: LDSQA3D13R309024DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307148
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309024DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

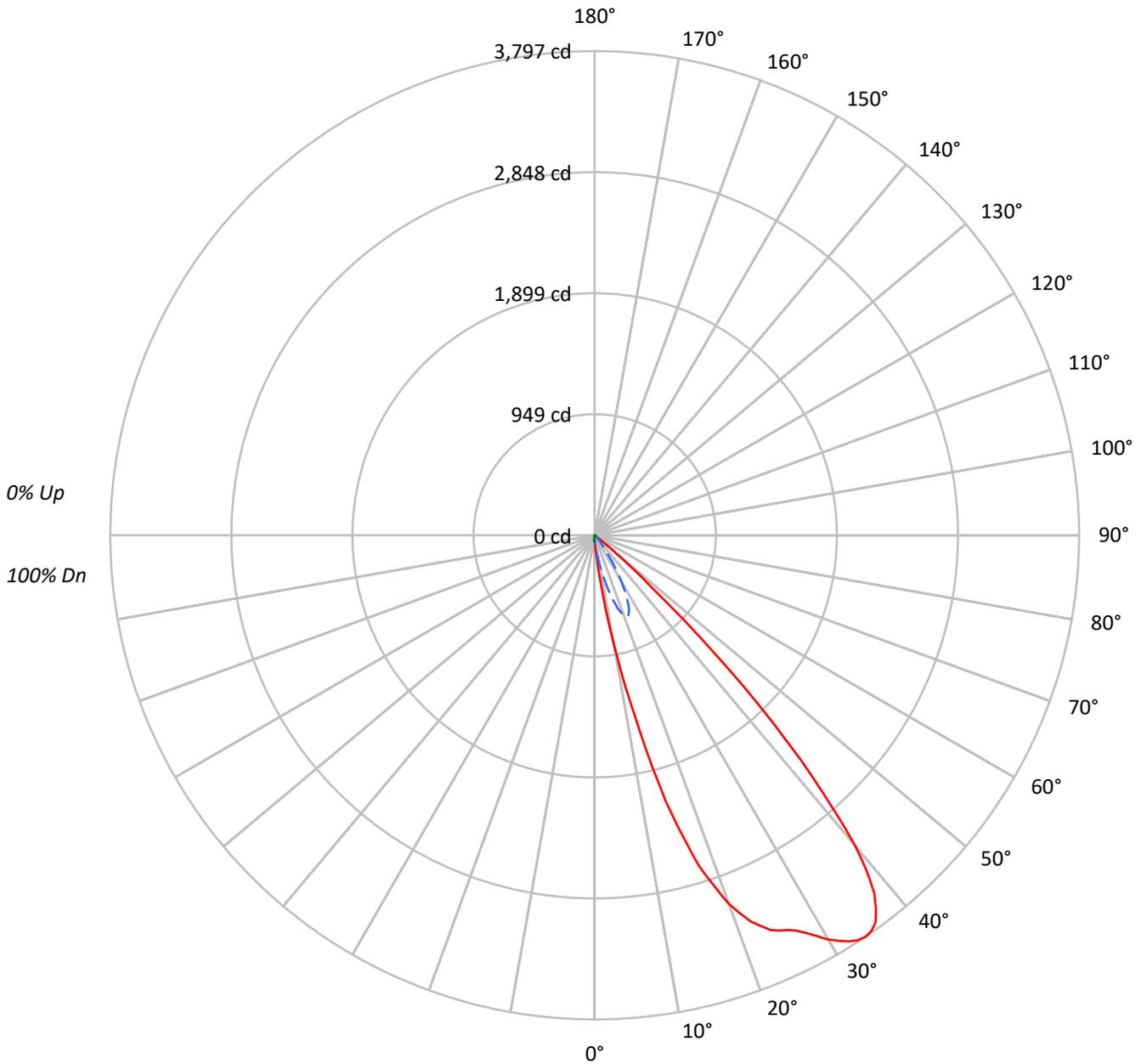
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 914.0 lumens
Efficiency: N/A
Efficacy: 62.6 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): 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

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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 | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 95 | 93 | 92 |
| 2 | 106 | 100 | 96 | 92 | 104 | 98 | 94 | 91 | 95 | 92 | 89 | 92 | 89 | 87 | 89 | 87 | 85 | 83 |
| 3 | 99 | 92 | 86 | 81 | 97 | 90 | 85 | 81 | 88 | 83 | 79 | 85 | 81 | 78 | 83 | 80 | 77 | 75 |
| 4 | 93 | 84 | 78 | 73 | 91 | 83 | 77 | 72 | 81 | 75 | 71 | 78 | 74 | 70 | 76 | 73 | 69 | 68 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 70 | 65 | 74 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 61 |
| 6 | 81 | 71 | 64 | 58 | 80 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 61 | 57 | 65 | 61 | 57 | 55 |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 53 | 63 | 57 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 50 |
| 8 | 71 | 60 | 53 | 48 | 70 | 59 | 52 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 |
| 9 | 66 | 55 | 48 | 43 | 65 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 51 | 46 | 43 | 41 |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 48 | 43 | 39 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|------|------|------|
| 0° | 8422 | 8422 | 8422 | 8422 | 8422 |
| 5° | 30548 | 18982 | 7710 | 3112 | 2230 |
| 10° | 151201 | 45451 | 5998 | 595 | 0 |
| 15° | 385694 | 86564 | 3816 | 0 | 0 |
| 20° | 563572 | 123088 | 1576 | 0 | 0 |
| 25° | 650176 | 120781 | 323 | 0 | 0 |
| 30° | 727669 | 82907 | 0 | 0 | 0 |
| 35° | 795819 | 35700 | 0 | 0 | 0 |
| 40° | 714278 | 13894 | 0 | 0 | 0 |
| 45° | 364755 | 5651 | 0 | 0 | 0 |
| 50° | 56292 | 697 | 0 | 0 | 0 |
| 55° | 3363 | 0 | 270 | 0 | 0 |
| 60° | 0 | 0 | 310 | 0 | 0 |
| 65° | 0 | 0 | 693 | 0 | 0 |
| 70° | 0 | 453 | 856 | 0 | 0 |
| 75° | 0 | 599 | 1730 | 0 | 0 |
| 80° | 0 | 893 | 2579 | 0 | 0 |
| 85° | 0 | 1778 | 5138 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 364755 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 10.2 | 1.1 |
| 10°-20° | 121.8 | 13.3 |
| 20°-30° | 301.0 | 32.9 |
| 30°-40° | 346.1 | 37.9 |
| 40°-50° | 128.4 | 14.0 |
| 50°-60° | 4.7 | 0.5 |
| 60°-70° | 0.5 | 0.0 |
| 70°-80° | 0.8 | 0.1 |
| 80°-90° | 0.7 | 0.1 |
| 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° | 432.9 | 47.4 |
| 0°-40° | 779.0 | 85.2 |
| 0°-60° | 912.1 | 99.8 |
| 0°-90° | 914.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 914.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 49 | 49 | 49 | 49 | 49 | |
| 5° | 177 | 110 | 45 | 18 | 13 | 38 |
| 15° | 2163 | 486 | 21 | 0 | 0 | 622 |
| 25° | 3422 | 636 | 2 | 0 | 0 | 1581 |
| 35° | 3785 | 170 | 0 | 0 | 0 | 2295 |
| 45° | 1498 | 23 | 0 | 0 | 0 | 1166 |
| 55° | 11 | 0 | 1 | 0 | 0 | 38 |
| 65° | 0 | 0 | 2 | 0 | 0 | 0 |
| 75° | 0 | 1 | 3 | 0 | 0 | 0 |
| 85° | 0 | 1 | 3 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|--------|
| 0° | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 |
| 2.5° | 86.6 | 87.5 | 87.5 | 84.9 | 84.1 | 83.2 | 80.6 | 72.9 | 60.9 | 48.9 | 39.5 |
| 5° | 176.7 | 177.6 | 177.6 | 172.4 | 162.1 | 151.8 | 143.2 | 109.8 | 70.3 | 44.6 | 29.2 |
| 7.5° | 416.9 | 417.7 | 399.7 | 379.1 | 337.9 | 316.5 | 277.0 | 169.0 | 79.8 | 40.3 | 18.9 |
| 10° | 864.6 | 845.7 | 798.6 | 738.5 | 675.0 | 592.7 | 509.5 | 259.9 | 86.6 | 34.3 | 12.0 |
| 12.5° | 1445.3 | 1427.3 | 1366.4 | 1280.6 | 1156.2 | 995.0 | 837.2 | 365.4 | 87.5 | 27.4 | 6.9 |
| 15° | 2163.2 | 2112.6 | 2039.7 | 1897.3 | 1713.8 | 1464.2 | 1203.4 | 485.5 | 84.1 | 21.4 | 1.7 |
| 17.5° | 2719.9 | 2673.6 | 2580.9 | 2414.5 | 2186.4 | 1909.3 | 1589.4 | 599.6 | 74.6 | 13.7 | 0.0 |
| 20° | 3075.0 | 3026.1 | 2939.5 | 2792.8 | 2550.1 | 2225.0 | 1858.7 | 671.6 | 61.8 | 8.6 | 0.0 |
| 21° | 3176.2 | 3129.0 | 3044.1 | 2898.3 | 2656.4 | 2332.2 | 1924.8 | 687.0 | 55.8 | 6.9 | 0.0 |
| 22° | 3265.4 | 3228.5 | 3149.6 | 2990.9 | 2744.8 | 2411.1 | 1991.7 | 688.8 | 51.5 | 5.1 | 0.0 |
| 23° | 3328.0 | 3301.4 | 3222.5 | 3076.7 | 2831.4 | 2475.4 | 2027.7 | 678.5 | 46.3 | 3.4 | 0.0 |
| 24° | 3388.1 | 3355.5 | 3287.7 | 3152.2 | 2900.0 | 2529.5 | 2060.3 | 659.6 | 41.2 | 2.6 | 0.0 |
| 25° | 3421.5 | 3383.8 | 3331.5 | 3204.5 | 2956.6 | 2563.8 | 2080.0 | 635.6 | 36.0 | 1.7 | 0.0 |
| 26° | 3444.7 | 3415.5 | 3358.0 | 3235.4 | 2980.6 | 2586.1 | 2082.6 | 600.4 | 32.6 | 0.9 | 0.0 |
| 27° | 3479.8 | 3450.7 | 3394.9 | 3262.8 | 2990.9 | 2582.7 | 2067.2 | 560.1 | 28.3 | 0.0 | 0.0 |
| 28° | 3533.0 | 3494.4 | 3438.7 | 3292.0 | 2995.2 | 2568.1 | 2032.8 | 516.4 | 24.0 | 0.0 | 0.0 |
| 29° | 3593.9 | 3554.5 | 3493.6 | 3330.6 | 2996.1 | 2538.9 | 1978.8 | 468.3 | 21.4 | 0.0 | 0.0 |
| 30° | 3659.1 | 3624.8 | 3563.0 | 3368.3 | 3005.5 | 2501.2 | 1916.2 | 416.9 | 17.2 | 0.0 | 0.0 |
| 31° | 3710.6 | 3679.7 | 3613.7 | 3402.7 | 3013.2 | 2468.6 | 1839.0 | 365.4 | 14.6 | 0.0 | 0.0 |
| 32° | 3755.2 | 3727.7 | 3646.2 | 3410.4 | 2997.8 | 2422.3 | 1756.6 | 315.6 | 12.0 | 0.0 | 0.0 |
| 33° | 3786.1 | 3751.8 | 3656.5 | 3390.6 | 2953.2 | 2345.9 | 1664.9 | 268.5 | 9.4 | 0.0 | 0.0 |
| 34° | 3797.2 | 3756.0 | 3641.1 | 3339.2 | 2863.1 | 2230.1 | 1545.6 | 219.6 | 7.7 | 0.0 | 0.0 |
| 35° | 3785.2 | 3734.6 | 3585.3 | 3250.8 | 2741.3 | 2092.0 | 1402.4 | 169.8 | 6.0 | 0.0 | 0.0 |
| 36° | 3746.6 | 3682.3 | 3505.6 | 3124.7 | 2567.2 | 1929.1 | 1259.2 | 132.1 | 4.3 | 0.0 | 0.0 |
| 37° | 3663.4 | 3592.2 | 3369.2 | 2958.3 | 2394.8 | 1742.1 | 1096.2 | 102.9 | 2.6 | 0.0 | 0.0 |
| 38° | 3561.3 | 3458.4 | 3187.4 | 2748.2 | 2171.8 | 1531.9 | 934.9 | 84.9 | 1.7 | 0.0 | 0.0 |
| 39° | 3387.2 | 3274.0 | 2971.2 | 2506.3 | 1953.1 | 1332.1 | 778.0 | 73.8 | 0.9 | 0.0 | 0.0 |
| 40° | 3177.1 | 3042.4 | 2724.2 | 2247.3 | 1694.9 | 1122.8 | 649.3 | 61.8 | 0.9 | 0.0 | 0.0 |
| 42.5° | 2396.5 | 2282.4 | 1940.2 | 1528.5 | 1036.1 | 662.2 | 360.3 | 40.3 | 0.0 | 0.0 | 0.0 |
| 45° | 1497.6 | 1378.4 | 1146.8 | 838.0 | 561.0 | 343.1 | 173.3 | 23.2 | 0.0 | 0.0 | 0.0 |
| 47.5° | 611.6 | 561.0 | 461.5 | 355.1 | 253.9 | 161.3 | 72.1 | 10.3 | 0.0 | 0.0 | 0.0 |
| 50° | 210.1 | 187.0 | 157.0 | 114.9 | 81.5 | 55.8 | 37.7 | 2.6 | 0.0 | 0.0 | 0.0 |
| 52.5° | 60.9 | 61.8 | 54.0 | 46.3 | 36.0 | 25.7 | 18.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 11.2 | 9.4 | 11.2 | 10.3 | 11.2 | 9.4 | 6.9 | 0.0 | 0.0 | 0.9 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.0 | 0.9 | 0.9 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.7 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.7 | 0.9 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.7 | 1.7 | 0.9 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.7 | 1.7 | 0.9 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.7 | 2.6 | 0.9 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.7 | 2.6 | 0.9 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.7 | 2.6 | 0.9 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.7 | 2.6 | 0.9 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|--------|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.7 | 2.6 | 0.9 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.7 | 2.6 | 0.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.7 | 2.6 | 0.9 |
| 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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CANDELA DISTRIBUTION (continued):

| | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0° | 48.9 | 48.9 | 48.9 |
| 2.5° | 31.7 | 28.3 | 26.6 |
| 5° | 18.0 | 13.7 | 12.9 |
| 7.5° | 9.4 | 6.0 | 5.1 |
| 10° | 3.4 | 0.9 | 0.0 |
| 12.5° | 0.0 | 0.0 | 0.0 |
| 15° | 0.0 | 0.0 | 0.0 |
| 17.5° | 0.0 | 0.0 | 0.0 |
| 20° | 0.0 | 0.0 | 0.0 |
| 21° | 0.0 | 0.0 | 0.0 |
| 22° | 0.0 | 0.0 | 0.0 |
| 23° | 0.0 | 0.0 | 0.0 |
| 24° | 0.0 | 0.0 | 0.0 |
| 25° | 0.0 | 0.0 | 0.0 |
| 26° | 0.0 | 0.0 | 0.0 |
| 27° | 0.0 | 0.0 | 0.0 |
| 28° | 0.0 | 0.0 | 0.0 |
| 29° | 0.0 | 0.0 | 0.0 |
| 30° | 0.0 | 0.0 | 0.0 |
| 31° | 0.0 | 0.0 | 0.0 |
| 32° | 0.0 | 0.0 | 0.0 |
| 33° | 0.0 | 0.0 | 0.0 |
| 34° | 0.0 | 0.0 | 0.0 |
| 35° | 0.0 | 0.0 | 0.0 |
| 36° | 0.0 | 0.0 | 0.0 |
| 37° | 0.0 | 0.0 | 0.0 |
| 38° | 0.0 | 0.0 | 0.0 |
| 39° | 0.0 | 0.0 | 0.0 |
| 40° | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)