

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: P1314929

Luminaire Tested: LDSQA3D20R259730D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314929
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R259730D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

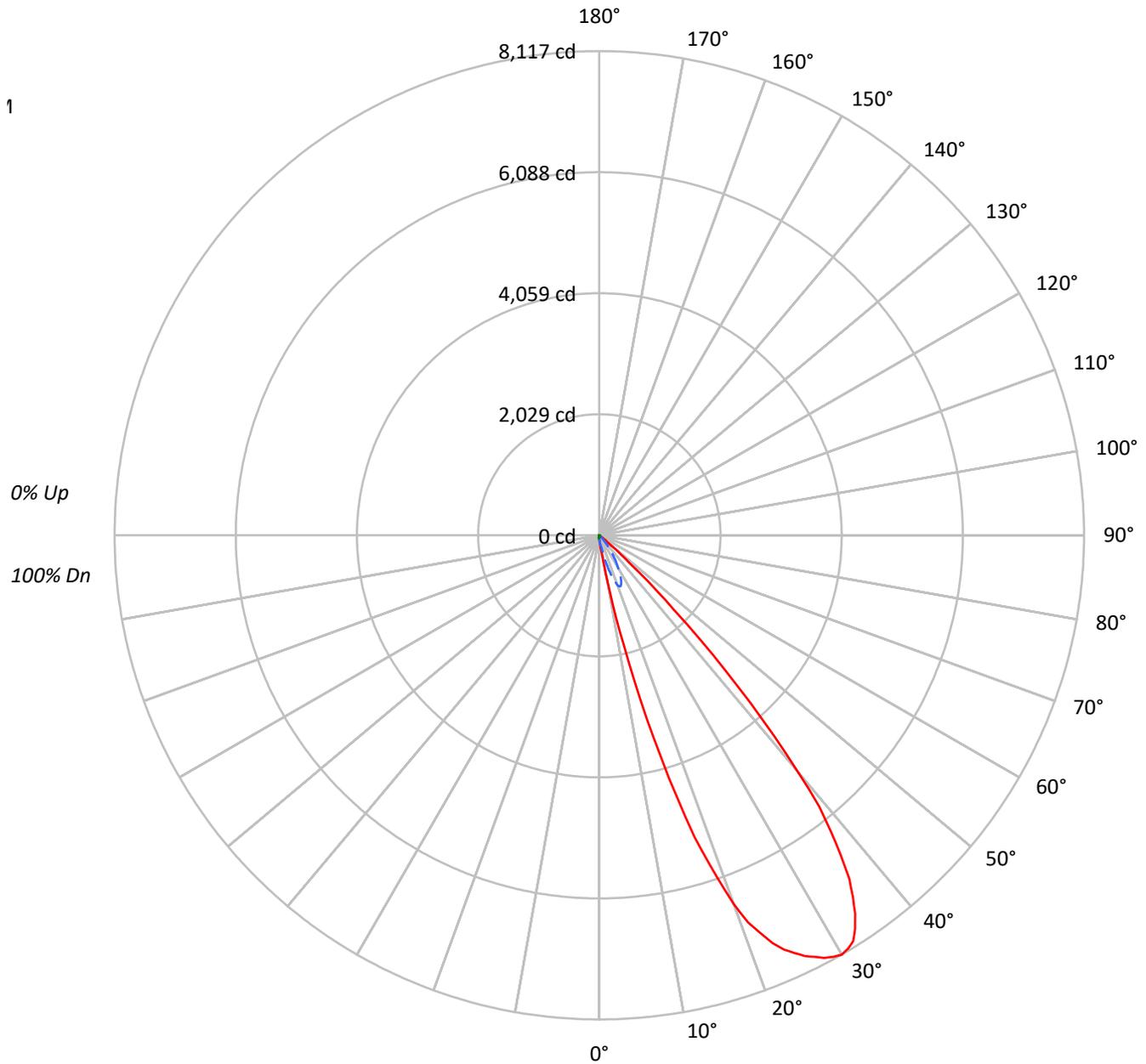
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1623.9 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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

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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 | 95 | 92 | 104 | 98 | 94 | 90 | 95 | 92 | 88 | 92 | 89 | 87 | 89 | 87 | 85 | 83 |
| 3 | 99 | 92 | 86 | 81 | 97 | 90 | 85 | 81 | 88 | 83 | 79 | 85 | 81 | 78 | 83 | 79 | 77 | 75 |
| 4 | 93 | 84 | 77 | 72 | 91 | 83 | 77 | 72 | 80 | 75 | 71 | 78 | 74 | 70 | 76 | 73 | 69 | 68 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 69 | 65 | 74 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 61 |
| 6 | 81 | 71 | 63 | 58 | 79 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 61 | 57 | 65 | 60 | 57 | 55 |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 52 | 63 | 57 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 50 |
| 8 | 71 | 60 | 52 | 48 | 70 | 59 | 52 | 47 | 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 | 42 | 41 |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 48 | 42 | 39 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|---------|--------|-------|-------|-------|
| 0° | 12004 | 12004 | 12004 | 12004 | 12004 |
| 5° | 30116 | 22267 | 11272 | 5757 | 4460 |
| 10° | 131702 | 37896 | 9269 | 2658 | 1854 |
| 15° | 626236 | 102129 | 6490 | 1088 | 802 |
| 20° | 1205495 | 163573 | 4160 | 275 | 275 |
| 25° | 1468165 | 164981 | 2299 | 0 | 0 |
| 30° | 1614192 | 126260 | 895 | 0 | 0 |
| 35° | 1555561 | 80272 | 315 | 0 | 0 |
| 40° | 1162300 | 34757 | 0 | 0 | 337 |
| 45° | 430297 | 9231 | 365 | 365 | 1096 |
| 50° | 50746 | 1206 | 804 | 804 | 1634 |
| 55° | 5014 | 0 | 901 | 1351 | 2282 |
| 60° | 517 | 0 | 1550 | 2101 | 2618 |
| 65° | 611 | 611 | 2486 | 3097 | 3708 |
| 70° | 755 | 755 | 3072 | 3072 | 4582 |
| 75° | 998 | 998 | 2994 | 2994 | 4059 |
| 80° | 0 | 1488 | 4463 | 2975 | 4463 |
| 85° | 0 | 2964 | 8892 | 2964 | 2964 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 430297 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 10.1 | 0.6 |
| 10°-20° | 189.3 | 11.7 |
| 20°-30° | 594.3 | 36.6 |
| 30°-40° | 625.6 | 38.5 |
| 40°-50° | 183.8 | 11.3 |
| 50°-60° | 9.8 | 0.6 |
| 60°-70° | 4.8 | 0.3 |
| 70°-80° | 4.1 | 0.3 |
| 80°-90° | 2.1 | 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° | 793.7 | 48.9 |
| 0°-40° | 1419.3 | 87.4 |
| 0°-60° | 1613.0 | 99.3 |
| 0°-90° | 1623.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1623.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 70 | 70 | 70 | 70 | 70 | |
| 5° | 174 | 129 | 65 | 33 | 26 | 31 |
| 15° | 3512 | 573 | 36 | 6 | 4 | 1107 |
| 25° | 7726 | 868 | 12 | 0 | 0 | 3544 |
| 35° | 7399 | 382 | 2 | 0 | 0 | 4465 |
| 45° | 1767 | 38 | 2 | 2 | 4 | 1605 |
| 55° | 17 | 0 | 3 | 4 | 8 | 42 |
| 65° | 2 | 2 | 6 | 8 | 9 | 1 |
| 75° | 2 | 2 | 4 | 4 | 6 | 1 |
| 85° | 0 | 2 | 4 | 2 | 2 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1314929

CATALOG NUMBER: LDSQA3D20R259730D010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|--------|
| 0° | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| 2.5° | 107.6 | 109.1 | 104.5 | 107.6 | 104.5 | 103.0 | 101.5 | 93.9 | 81.8 | 69.7 | 57.6 |
| 5° | 174.2 | 174.2 | 166.7 | 165.2 | 162.1 | 156.1 | 150.0 | 128.8 | 92.4 | 65.2 | 45.5 |
| 7.5° | 272.7 | 271.2 | 268.2 | 260.6 | 245.5 | 230.3 | 215.2 | 168.2 | 101.5 | 60.6 | 34.8 |
| 10° | 753.1 | 742.5 | 728.8 | 647.0 | 554.6 | 472.7 | 401.5 | 216.7 | 109.1 | 53.0 | 25.8 |
| 12.5° | 1871.3 | 1810.7 | 1666.7 | 1503.1 | 1294.0 | 1074.3 | 859.1 | 353.0 | 112.1 | 43.9 | 18.2 |
| 15° | 3512.3 | 3386.5 | 3162.2 | 2835.0 | 2407.7 | 1927.4 | 1518.2 | 572.8 | 109.1 | 36.4 | 13.6 |
| 17.5° | 5303.2 | 5182.0 | 4871.4 | 4374.4 | 3745.6 | 3007.7 | 2283.4 | 759.1 | 101.5 | 30.3 | 9.1 |
| 20° | 6577.5 | 6448.7 | 6157.8 | 5630.5 | 4950.2 | 3966.8 | 3006.2 | 892.5 | 95.5 | 22.7 | 4.5 |
| 21° | 6950.3 | 6821.5 | 6513.9 | 6004.8 | 5289.6 | 4303.2 | 3238.0 | 915.2 | 90.9 | 19.7 | 3.0 |
| 22° | 7186.7 | 7110.9 | 6780.6 | 6286.6 | 5557.8 | 4572.9 | 3436.5 | 925.8 | 87.9 | 18.2 | 3.0 |
| 23° | 7424.5 | 7310.9 | 7001.8 | 6480.6 | 5762.4 | 4772.9 | 3583.5 | 918.2 | 84.9 | 15.2 | 1.5 |
| 24° | 7600.3 | 7504.8 | 7145.7 | 6630.6 | 5904.8 | 4895.7 | 3669.8 | 898.5 | 80.3 | 13.6 | 1.5 |
| 25° | 7726.1 | 7638.2 | 7263.9 | 6732.1 | 6000.2 | 4962.3 | 3697.1 | 868.2 | 75.8 | 12.1 | 1.5 |
| 26° | 7845.8 | 7750.3 | 7362.4 | 6791.2 | 6050.2 | 4983.5 | 3671.4 | 834.9 | 71.2 | 10.6 | 0.0 |
| 27° | 7932.1 | 7835.2 | 7430.6 | 6826.0 | 6053.3 | 4957.8 | 3601.7 | 789.4 | 66.7 | 9.1 | 0.0 |
| 28° | 8024.6 | 7912.4 | 7477.6 | 6845.7 | 6035.1 | 4897.2 | 3501.7 | 740.9 | 63.6 | 7.6 | 0.0 |
| 29° | 8080.6 | 7974.6 | 7526.1 | 6866.9 | 5997.2 | 4795.6 | 3356.2 | 683.4 | 56.1 | 4.5 | 0.0 |
| 30° | 8117.0 | 7991.2 | 7521.5 | 6844.2 | 5947.2 | 4686.6 | 3181.9 | 634.9 | 48.5 | 4.5 | 0.0 |
| 31° | 8086.7 | 7954.9 | 7473.0 | 6780.6 | 5866.9 | 4544.1 | 3003.2 | 574.3 | 39.4 | 3.0 | 0.0 |
| 32° | 8021.5 | 7865.5 | 7388.2 | 6670.0 | 5723.0 | 4360.8 | 2818.3 | 524.3 | 28.8 | 3.0 | 0.0 |
| 33° | 7862.4 | 7730.6 | 7235.1 | 6521.5 | 5535.1 | 4112.3 | 2577.4 | 475.8 | 19.7 | 1.5 | 0.0 |
| 34° | 7662.4 | 7530.6 | 7026.0 | 6323.0 | 5283.5 | 3791.1 | 2284.9 | 425.8 | 16.7 | 1.5 | 0.0 |
| 35° | 7398.8 | 7268.5 | 6789.7 | 6045.7 | 4950.2 | 3404.7 | 1983.4 | 381.8 | 13.6 | 1.5 | 0.0 |
| 36° | 7121.5 | 6948.8 | 6491.2 | 5750.2 | 4503.2 | 2965.3 | 1660.7 | 331.8 | 10.6 | 1.5 | 0.0 |
| 37° | 6713.9 | 6597.2 | 6089.6 | 5300.2 | 4019.9 | 2544.0 | 1425.8 | 286.4 | 7.6 | 1.5 | 0.0 |
| 38° | 6291.2 | 6183.6 | 5688.1 | 4847.2 | 3480.4 | 2127.4 | 1194.0 | 242.4 | 6.1 | 0.0 | 0.0 |
| 39° | 5854.8 | 5676.0 | 5186.6 | 4266.8 | 2915.3 | 1781.9 | 1004.6 | 203.0 | 3.0 | 0.0 | 0.0 |
| 40° | 5169.9 | 5033.5 | 4510.8 | 3569.8 | 2412.2 | 1444.0 | 856.1 | 154.6 | 3.0 | 0.0 | 0.0 |
| 42.5° | 3427.4 | 3300.1 | 2751.6 | 1936.4 | 1281.9 | 844.0 | 565.2 | 60.6 | 0.0 | 1.5 | 0.0 |
| 45° | 1766.7 | 1686.4 | 1369.8 | 1013.7 | 727.3 | 518.2 | 363.7 | 37.9 | 0.0 | 1.5 | 1.5 |
| 47.5° | 701.5 | 687.9 | 621.2 | 536.4 | 413.7 | 307.6 | 198.5 | 16.7 | 0.0 | 1.5 | 1.5 |
| 50° | 189.4 | 190.9 | 178.8 | 165.2 | 150.0 | 140.9 | 83.3 | 4.5 | 0.0 | 3.0 | 1.5 |
| 52.5° | 80.3 | 81.8 | 78.8 | 74.2 | 66.7 | 50.0 | 33.3 | 1.5 | 1.5 | 3.0 | 3.0 |
| 55° | 16.7 | 18.2 | 19.7 | 21.2 | 24.2 | 21.2 | 13.6 | 0.0 | 1.5 | 3.0 | 3.0 |
| 57.5° | 3.0 | 3.0 | 3.0 | 3.0 | 4.5 | 4.5 | 3.0 | 0.0 | 1.5 | 3.0 | 4.5 |
| 60° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 3.0 | 4.5 | 4.5 |
| 62.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 3.0 | 4.5 | 6.1 |
| 65° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 3.0 | 6.1 | 6.1 |
| 67.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 4.5 | 6.1 | 6.1 |
| 70° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 4.5 | 6.1 | 6.1 |
| 72.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 4.5 | 6.1 | 4.5 |
| 75° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 4.5 | 4.5 | 4.5 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 3.0 | 4.5 | 4.5 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 3.0 | 4.5 | 3.0 |



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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 | 1.5 | 1.5 | 3.0 | 4.5 | 3.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 3.0 | 4.5 | 3.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 3.0 | 4.5 | 3.0 |
| 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: P1314929

CATALOG NUMBER: LDSQA3D20R259730D010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

| | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0° | 69.7 | 69.7 | 69.7 |
| 2.5° | 48.5 | 43.9 | 42.4 |
| 5° | 33.3 | 28.8 | 25.8 |
| 7.5° | 22.7 | 18.2 | 16.7 |
| 10° | 15.2 | 12.1 | 10.6 |
| 12.5° | 10.6 | 6.1 | 6.1 |
| 15° | 6.1 | 4.5 | 4.5 |
| 17.5° | 3.0 | 1.5 | 1.5 |
| 20° | 1.5 | 1.5 | 1.5 |
| 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 | 1.5 |
| 39° | 0.0 | 1.5 | 1.5 |
| 40° | 0.0 | 1.5 | 1.5 |
| 42.5° | 0.0 | 1.5 | 3.0 |
| 45° | 1.5 | 3.0 | 4.5 |
| 47.5° | 3.0 | 4.5 | 6.1 |
| 50° | 3.0 | 6.1 | 6.1 |
| 52.5° | 4.5 | 6.1 | 7.6 |
| 55° | 4.5 | 7.6 | 7.6 |
| 57.5° | 6.1 | 7.6 | 9.1 |
| 60° | 6.1 | 7.6 | 7.6 |
| 62.5° | 6.1 | 9.1 | 9.1 |
| 65° | 7.6 | 9.1 | 9.1 |
| 67.5° | 7.6 | 9.1 | 9.1 |
| 70° | 6.1 | 7.6 | 9.1 |
| 72.5° | 6.1 | 7.6 | 7.6 |
| 75° | 4.5 | 6.1 | 6.1 |
| 77.5° | 4.5 | 4.5 | 6.1 |
| 80° | 3.0 | 4.5 | 4.5 |



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CANDELA DISTRIBUTION (continued):

| | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 3.0 | 3.0 | 3.0 |
| 85° | 1.5 | 1.5 | 1.5 |
| 87.5° | 1.5 | 1.5 | 1.5 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)