

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: P1309055

Luminaire Tested: LDSQA3D09R259030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309055
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: LDSQA3D09R259030DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

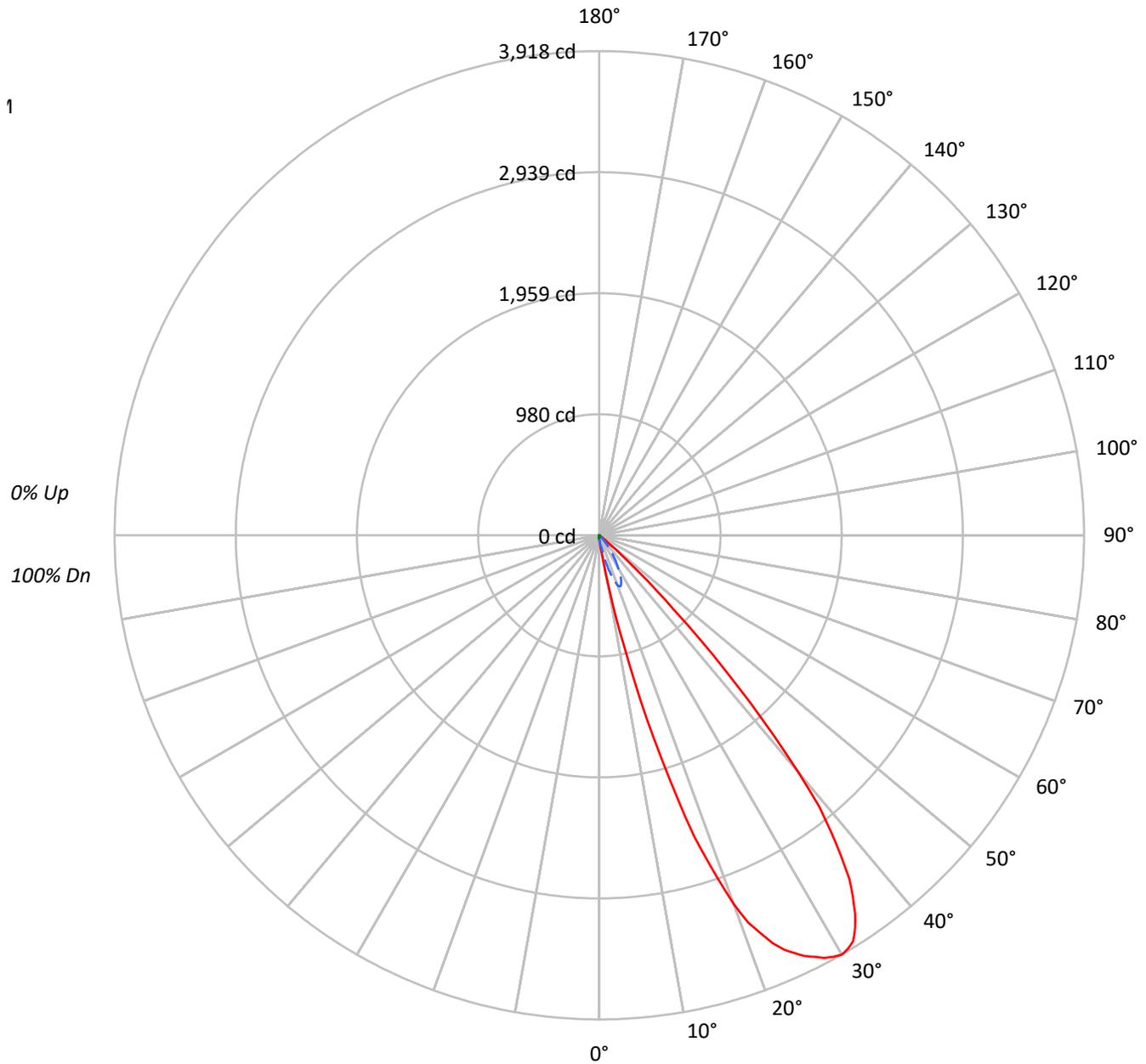
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 784.0 lumens
Efficiency: N/A
Efficacy: 70.6 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): 11.1
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

TEST NUMBER: P1309055
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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 | 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 | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 95 | 93 | 96 | 95 | 93 | 92 |
| 2 | 106 | 100 | 95 | 92 | 104 | 98 | 94 | 90 | 95 | 92 | 88 | 92 | 89 | 87 | 89 | 87 | 85 | 89 | 87 | 85 | 83 |
| 3 | 99 | 92 | 86 | 81 | 97 | 90 | 85 | 81 | 88 | 83 | 79 | 85 | 81 | 78 | 83 | 79 | 77 | 83 | 79 | 77 | 75 |
| 4 | 93 | 84 | 77 | 72 | 91 | 83 | 77 | 72 | 80 | 75 | 71 | 78 | 74 | 70 | 76 | 73 | 69 | 76 | 73 | 69 | 68 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 69 | 65 | 74 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 71 | 66 | 63 | 61 |
| 6 | 81 | 71 | 63 | 58 | 79 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 61 | 57 | 65 | 60 | 57 | 65 | 60 | 57 | 55 |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 52 | 63 | 57 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 60 | 55 | 52 | 50 |
| 8 | 71 | 60 | 52 | 48 | 70 | 59 | 52 | 47 | 58 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 56 | 51 | 47 | 45 |
| 9 | 66 | 55 | 48 | 43 | 65 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 51 | 46 | 42 | 51 | 46 | 42 | 41 |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 48 | 42 | 39 | 48 | 42 | 39 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0° | 5787 | 5787 | 5787 | 5787 | 5787 |
| 5° | 14539 | 10753 | 5446 | 2783 | 2144 |
| 10° | 63569 | 18292 | 4477 | 1277 | 892 |
| 15° | 302322 | 49299 | 3138 | 517 | 392 |
| 20° | 581973 | 78955 | 2016 | 128 | 128 |
| 25° | 708761 | 79640 | 1121 | 0 | 0 |
| 30° | 779255 | 60952 | 438 | 0 | 0 |
| 35° | 750953 | 38748 | 147 | 0 | 0 |
| 40° | 561107 | 16772 | 0 | 0 | 157 |
| 45° | 207732 | 4457 | 170 | 170 | 536 |
| 50° | 24489 | 589 | 402 | 402 | 777 |
| 55° | 2402 | 0 | 450 | 661 | 1111 |
| 60° | 241 | 0 | 758 | 999 | 1274 |
| 65° | 285 | 285 | 1182 | 1508 | 1793 |
| 70° | 352 | 352 | 1460 | 1460 | 2216 |
| 75° | 466 | 466 | 1464 | 1464 | 1930 |
| 80° | 0 | 694 | 2182 | 1488 | 2182 |
| 85° | 0 | 1383 | 4347 | 1383 | 1383 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 207732 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 4.9 | 0.6 |
| 10°-20° | 91.4 | 11.7 |
| 20°-30° | 286.9 | 36.6 |
| 30°-40° | 302.0 | 38.5 |
| 40°-50° | 88.7 | 11.3 |
| 50°-60° | 4.8 | 0.6 |
| 60°-70° | 2.3 | 0.3 |
| 70°-80° | 2.0 | 0.3 |
| 80°-90° | 1.0 | 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° | 383.2 | 48.9 |
| 0°-40° | 685.2 | 87.4 |
| 0°-60° | 778.7 | 99.3 |
| 0°-90° | 784.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 784.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 34 | 34 | 34 | 34 | 34 | |
| 5° | 84 | 62 | 32 | 16 | 12 | 15 |
| 15° | 1696 | 276 | 18 | 3 | 2 | 534 |
| 25° | 3730 | 419 | 6 | 0 | 0 | 1711 |
| 35° | 3572 | 184 | 1 | 0 | 0 | 2155 |
| 45° | 853 | 18 | 1 | 1 | 2 | 775 |
| 55° | 8 | 0 | 2 | 2 | 4 | 20 |
| 65° | 1 | 1 | 3 | 4 | 4 | 1 |
| 75° | 1 | 1 | 2 | 2 | 3 | 0 |
| 85° | 0 | 1 | 2 | 1 | 1 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1309055

CATALOG NUMBER: LDSQA3D09R259030DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|--------|
| 0° | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 |
| 2.5° | 51.9 | 52.7 | 50.5 | 51.9 | 50.5 | 49.7 | 49.0 | 45.4 | 39.5 | 33.6 | 27.8 |
| 5° | 84.1 | 84.1 | 80.5 | 79.7 | 78.3 | 75.3 | 72.4 | 62.2 | 44.6 | 31.5 | 21.9 |
| 7.5° | 131.7 | 130.9 | 129.5 | 125.8 | 118.5 | 111.2 | 103.9 | 81.2 | 49.0 | 29.3 | 16.8 |
| 10° | 363.5 | 358.4 | 351.8 | 312.3 | 267.7 | 228.2 | 193.8 | 104.6 | 52.7 | 25.6 | 12.4 |
| 12.5° | 903.4 | 874.1 | 804.6 | 725.6 | 624.7 | 518.6 | 414.8 | 170.4 | 54.1 | 21.2 | 8.8 |
| 15° | 1695.6 | 1634.9 | 1526.6 | 1368.6 | 1162.3 | 930.4 | 732.9 | 276.5 | 52.7 | 17.6 | 6.6 |
| 17.5° | 2560.2 | 2501.7 | 2351.7 | 2111.8 | 1808.2 | 1452.0 | 1102.3 | 366.5 | 49.0 | 14.6 | 4.4 |
| 20° | 3175.4 | 3113.2 | 2972.7 | 2718.2 | 2389.8 | 1915.0 | 1451.3 | 430.8 | 46.1 | 11.0 | 2.2 |
| 21° | 3355.3 | 3293.1 | 3144.6 | 2898.9 | 2553.6 | 2077.4 | 1563.2 | 441.8 | 43.9 | 9.5 | 1.5 |
| 22° | 3469.4 | 3432.8 | 3273.4 | 3034.9 | 2683.1 | 2207.6 | 1659.0 | 446.9 | 42.4 | 8.8 | 1.5 |
| 23° | 3584.3 | 3529.4 | 3380.2 | 3128.5 | 2781.8 | 2304.2 | 1730.0 | 443.3 | 41.0 | 7.3 | 0.7 |
| 24° | 3669.1 | 3623.0 | 3449.7 | 3201.0 | 2850.6 | 2363.4 | 1771.6 | 433.8 | 38.8 | 6.6 | 0.7 |
| 25° | 3729.8 | 3687.4 | 3506.7 | 3250.0 | 2896.7 | 2395.6 | 1784.8 | 419.1 | 36.6 | 5.9 | 0.7 |
| 26° | 3787.6 | 3741.5 | 3554.3 | 3278.5 | 2920.8 | 2405.8 | 1772.4 | 403.0 | 34.4 | 5.1 | 0.0 |
| 27° | 3829.3 | 3782.5 | 3587.2 | 3295.3 | 2922.3 | 2393.4 | 1738.7 | 381.1 | 32.2 | 4.4 | 0.0 |
| 28° | 3873.9 | 3819.8 | 3609.9 | 3304.8 | 2913.5 | 2364.1 | 1690.5 | 357.7 | 30.7 | 3.7 | 0.0 |
| 29° | 3901.0 | 3849.8 | 3633.3 | 3315.1 | 2895.2 | 2315.1 | 1620.2 | 329.9 | 27.1 | 2.2 | 0.0 |
| 30° | 3918.5 | 3857.8 | 3631.1 | 3304.1 | 2871.1 | 2262.5 | 1536.1 | 306.5 | 23.4 | 2.2 | 0.0 |
| 31° | 3903.9 | 3840.3 | 3607.7 | 3273.4 | 2832.3 | 2193.7 | 1449.8 | 277.2 | 19.0 | 1.5 | 0.0 |
| 32° | 3872.5 | 3797.1 | 3566.7 | 3220.0 | 2762.8 | 2105.2 | 1360.6 | 253.1 | 13.9 | 1.5 | 0.0 |
| 33° | 3795.7 | 3732.0 | 3492.8 | 3148.3 | 2672.1 | 1985.2 | 1244.3 | 229.7 | 9.5 | 0.7 | 0.0 |
| 34° | 3699.1 | 3635.5 | 3391.9 | 3052.5 | 2550.7 | 1830.2 | 1103.1 | 205.5 | 8.0 | 0.7 | 0.0 |
| 35° | 3571.8 | 3508.9 | 3277.8 | 2918.6 | 2389.8 | 1643.6 | 957.5 | 184.3 | 6.6 | 0.7 | 0.0 |
| 36° | 3438.0 | 3354.6 | 3133.7 | 2776.0 | 2174.0 | 1431.5 | 801.7 | 160.2 | 5.1 | 0.7 | 0.0 |
| 37° | 3241.2 | 3184.9 | 2939.8 | 2558.7 | 1940.6 | 1228.2 | 688.3 | 138.3 | 3.7 | 0.7 | 0.0 |
| 38° | 3037.1 | 2985.2 | 2746.0 | 2340.0 | 1680.2 | 1027.0 | 576.4 | 117.0 | 2.9 | 0.0 | 0.0 |
| 39° | 2826.4 | 2740.1 | 2503.9 | 2059.9 | 1407.4 | 860.2 | 485.0 | 98.0 | 1.5 | 0.0 | 0.0 |
| 40° | 2495.8 | 2430.0 | 2177.6 | 1723.4 | 1164.5 | 697.1 | 413.3 | 74.6 | 1.5 | 0.0 | 0.0 |
| 42.5° | 1654.6 | 1593.2 | 1328.4 | 934.8 | 618.8 | 407.4 | 272.8 | 29.3 | 0.0 | 0.7 | 0.0 |
| 45° | 852.9 | 814.1 | 661.3 | 489.4 | 351.1 | 250.2 | 175.6 | 18.3 | 0.0 | 0.7 | 0.7 |
| 47.5° | 338.7 | 332.1 | 299.9 | 258.9 | 199.7 | 148.5 | 95.8 | 8.0 | 0.0 | 0.7 | 0.7 |
| 50° | 91.4 | 92.2 | 86.3 | 79.7 | 72.4 | 68.0 | 40.2 | 2.2 | 0.0 | 1.5 | 0.7 |
| 52.5° | 38.8 | 39.5 | 38.0 | 35.8 | 32.2 | 24.1 | 16.1 | 0.7 | 0.7 | 1.5 | 1.5 |
| 55° | 8.0 | 8.8 | 9.5 | 10.2 | 11.7 | 10.2 | 6.6 | 0.0 | 0.7 | 1.5 | 1.5 |
| 57.5° | 1.5 | 1.5 | 1.5 | 1.5 | 2.2 | 2.2 | 1.5 | 0.0 | 0.7 | 1.5 | 2.2 |
| 60° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 | 1.5 | 2.2 | 2.2 |
| 62.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 1.5 | 2.2 | 2.9 |
| 65° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 1.5 | 2.9 | 2.9 |
| 67.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 2.2 | 2.9 | 2.9 |
| 70° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 2.2 | 2.9 | 2.9 |
| 72.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 2.2 | 2.9 | 2.2 |
| 75° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 2.2 | 2.2 | 2.2 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 1.5 | 2.2 | 2.2 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 1.5 | 2.2 | 1.5 |



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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 | 0.7 | 0.7 | 1.5 | 2.2 | 1.5 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 1.5 | 2.2 | 1.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 1.5 | 2.2 | 1.5 |
| 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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CANDELA DISTRIBUTION (continued):

| | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0° | 33.6 | 33.6 | 33.6 |
| 2.5° | 23.4 | 21.2 | 20.5 |
| 5° | 16.1 | 13.9 | 12.4 |
| 7.5° | 11.0 | 8.8 | 8.0 |
| 10° | 7.3 | 5.9 | 5.1 |
| 12.5° | 5.1 | 2.9 | 2.9 |
| 15° | 2.9 | 2.2 | 2.2 |
| 17.5° | 1.5 | 0.7 | 0.7 |
| 20° | 0.7 | 0.7 | 0.7 |
| 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 | 0.7 |
| 39° | 0.0 | 0.7 | 0.7 |
| 40° | 0.0 | 0.7 | 0.7 |
| 42.5° | 0.0 | 0.7 | 1.5 |
| 45° | 0.7 | 1.5 | 2.2 |
| 47.5° | 1.5 | 2.2 | 2.9 |
| 50° | 1.5 | 2.9 | 2.9 |
| 52.5° | 2.2 | 2.9 | 3.7 |
| 55° | 2.2 | 3.7 | 3.7 |
| 57.5° | 2.9 | 3.7 | 4.4 |
| 60° | 2.9 | 3.7 | 3.7 |
| 62.5° | 2.9 | 4.4 | 4.4 |
| 65° | 3.7 | 4.4 | 4.4 |
| 67.5° | 3.7 | 4.4 | 4.4 |
| 70° | 2.9 | 3.7 | 4.4 |
| 72.5° | 2.9 | 3.7 | 3.7 |
| 75° | 2.2 | 2.9 | 2.9 |
| 77.5° | 2.2 | 2.2 | 2.9 |
| 80° | 1.5 | 2.2 | 2.2 |



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CANDELA DISTRIBUTION (continued):

| | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 1.5 | 1.5 | 1.5 |
| 85° | 0.7 | 0.7 | 0.7 |
| 87.5° | 0.7 | 0.7 | 0.7 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)