

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: P1311276

Luminaire Tested: LDSQA3D09R209040DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-60)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209040DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

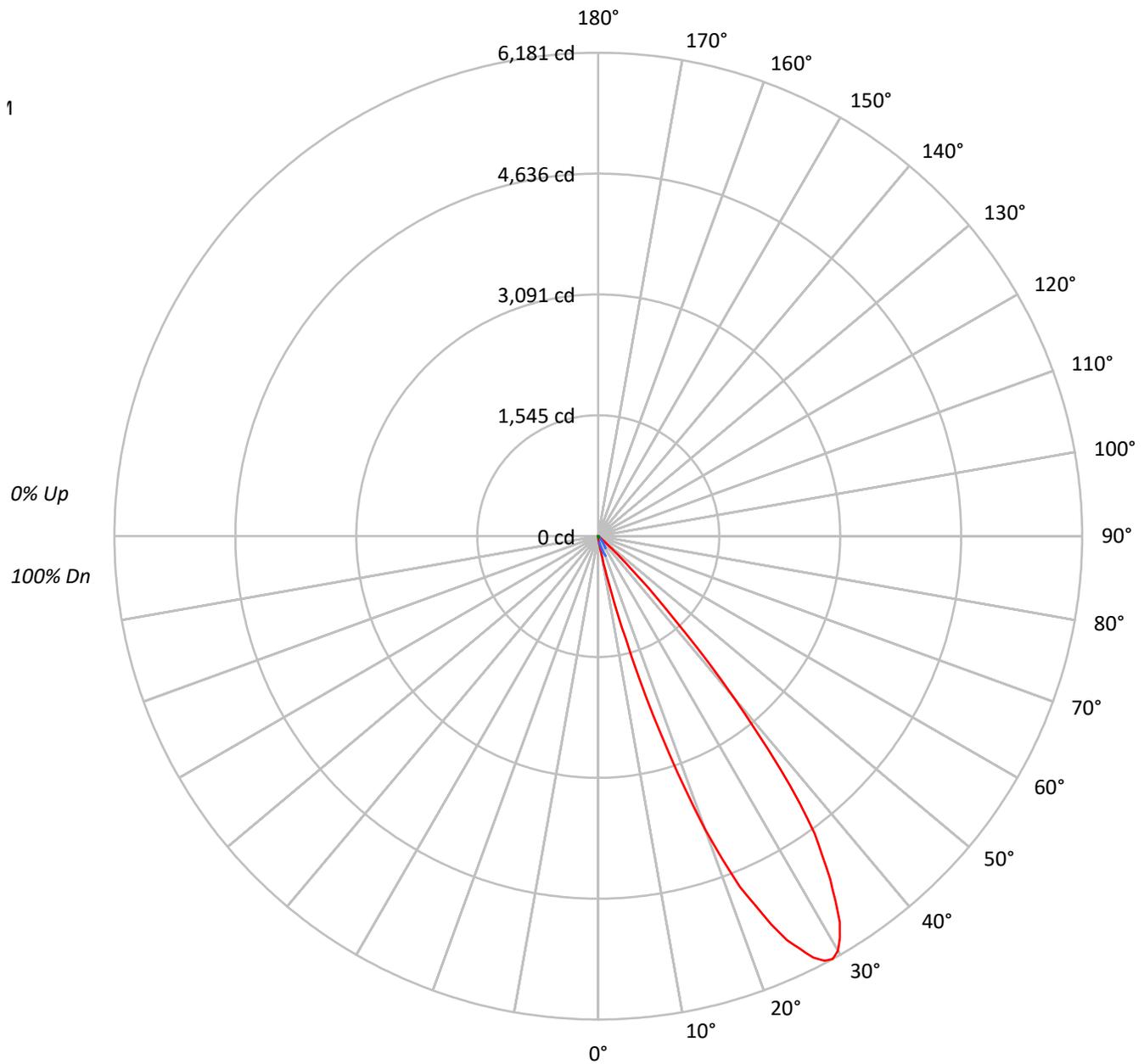
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 867.0 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 2.3 / 0.53 / 1.19
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: P1311276
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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 |
| 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 | 99 | 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 | 76 | 71 | 79 | 74 | 71 | 77 | 73 | 70 | 68 | | |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 70 | 65 | 74 | 69 | 64 | 72 | 68 | 64 | 71 | 67 | 63 | 61 | | |
| 6 | 81 | 71 | 64 | 59 | 80 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 62 | 58 | 65 | 61 | 57 | 55 | | |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 53 | 63 | 57 | 52 | 62 | 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 | 42 | 39 | 37 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|---------|-------|------|------|------|
| 0° | 5149 | 5149 | 5149 | 5149 | 5149 |
| 5° | 11825 | 8834 | 4893 | 2991 | 2576 |
| 10° | 37284 | 15407 | 3987 | 1644 | 1242 |
| 15° | 241505 | 28474 | 2942 | 553 | 143 |
| 20° | 728868 | 48733 | 2016 | 0 | 0 |
| 25° | 1082468 | 49179 | 1197 | 0 | 0 |
| 30° | 1217276 | 37387 | 477 | 0 | 0 |
| 35° | 1050279 | 22328 | 336 | 0 | 0 |
| 40° | 604790 | 7599 | 0 | 0 | 0 |
| 45° | 147524 | 3069 | 195 | 0 | 195 |
| 50° | 17710 | 831 | 214 | 214 | 643 |
| 55° | 2372 | 0 | 480 | 480 | 931 |
| 60° | 276 | 0 | 827 | 827 | 1343 |
| 65° | 326 | 326 | 1263 | 1263 | 1915 |
| 70° | 403 | 403 | 1561 | 1561 | 1964 |
| 75° | 0 | 532 | 2063 | 1597 | 2063 |
| 80° | 0 | 793 | 2380 | 1587 | 2380 |
| 85° | 0 | 1581 | 4742 | 1581 | 1581 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°
 Vertical Angle: 45°
 Luminance: 148474 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 4.0 | 0.5 |
| 10°-20° | 80.3 | 9.3 |
| 20°-30° | 350.2 | 40.4 |
| 30°-40° | 352.7 | 40.7 |
| 40°-50° | 70.7 | 8.2 |
| 50°-60° | 3.6 | 0.4 |
| 60°-70° | 2.3 | 0.3 |
| 70°-80° | 2.1 | 0.2 |
| 80°-90° | 1.1 | 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° | 434.6 | 50.1 |
| 0°-40° | 787.3 | 90.8 |
| 0°-60° | 861.6 | 99.4 |
| 0°-90° | 867.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 867.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 30 | 30 | 30 | 30 | 30 | |
| 5° | 68 | 51 | 28 | 17 | 15 | 11 |
| 15° | 1354 | 160 | 16 | 3 | 1 | 531 |
| 25° | 5696 | 259 | 6 | 0 | 0 | 2568 |
| 35° | 4996 | 106 | 2 | 0 | 0 | 2972 |
| 45° | 606 | 13 | 1 | 0 | 1 | 659 |
| 55° | 8 | 0 | 2 | 2 | 3 | 15 |
| 65° | 1 | 1 | 3 | 3 | 5 | 1 |
| 75° | 0 | 1 | 3 | 2 | 3 | 0 |
| 85° | 0 | 1 | 2 | 1 | 1 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1311276

CATALOG NUMBER: LDSQA3D09R209040DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 |
| 2.5° | 44.8 | 44.8 | 44.0 | 44.0 | 43.3 | 44.0 | 42.5 | 43.3 | 43.3 | 42.5 | 38.5 |
| 5° | 68.4 | 70.0 | 69.2 | 69.2 | 68.4 | 69.2 | 67.6 | 66.1 | 64.5 | 64.5 | 51.1 |
| 7.5° | 112.5 | 111.7 | 110.1 | 110.9 | 108.5 | 107.0 | 105.4 | 104.6 | 99.9 | 97.5 | 66.9 |
| 10° | 213.2 | 217.9 | 213.9 | 213.2 | 199.0 | 198.2 | 188.8 | 175.4 | 163.6 | 157.3 | 88.1 |
| 12.5° | 586.8 | 612.0 | 572.6 | 553.7 | 542.7 | 500.3 | 482.2 | 435.8 | 390.9 | 357.1 | 111.7 |
| 15° | 1354.5 | 1416.6 | 1337.2 | 1342.7 | 1276.6 | 1155.5 | 1049.3 | 958.0 | 850.3 | 741.7 | 159.7 |
| 17.5° | 2653.9 | 2603.6 | 2560.3 | 2487.1 | 2352.6 | 2174.9 | 1946.0 | 1713.9 | 1513.4 | 1303.4 | 222.6 |
| 20° | 3976.9 | 3932.1 | 3833.8 | 3674.1 | 3502.6 | 3239.1 | 2967.0 | 2618.5 | 2281.1 | 1964.9 | 265.9 |
| 21° | 4432.3 | 4417.4 | 4256.2 | 4157.8 | 3893.5 | 3641.8 | 3328.0 | 2955.2 | 2575.2 | 2200.8 | 272.9 |
| 22° | 4839.0 | 4749.3 | 4662.8 | 4517.3 | 4254.6 | 3980.9 | 3631.6 | 3239.1 | 2826.9 | 2410.9 | 273.7 |
| 23° | 5120.6 | 5079.7 | 4997.9 | 4833.5 | 4572.4 | 4250.6 | 3882.5 | 3471.9 | 3037.8 | 2559.5 | 271.4 |
| 24° | 5432.1 | 5380.2 | 5260.6 | 5068.7 | 4805.2 | 4487.4 | 4067.4 | 3659.9 | 3188.0 | 2684.6 | 265.1 |
| 25° | 5696.4 | 5615.4 | 5473.8 | 5266.9 | 4979.0 | 4651.0 | 4228.6 | 3781.1 | 3292.6 | 2768.7 | 258.8 |
| 26° | 5867.8 | 5823.8 | 5642.1 | 5417.1 | 5108.8 | 4770.6 | 4339.5 | 3873.9 | 3360.2 | 2807.3 | 248.6 |
| 27° | 6046.4 | 5965.4 | 5786.8 | 5528.0 | 5193.8 | 4848.4 | 4402.5 | 3918.7 | 3383.8 | 2808.9 | 236.0 |
| 28° | 6148.7 | 6060.6 | 5858.4 | 5586.3 | 5248.8 | 4891.7 | 4438.6 | 3932.9 | 3379.1 | 2784.5 | 221.0 |
| 29° | 6180.9 | 6070.0 | 5872.6 | 5595.7 | 5262.2 | 4894.9 | 4433.1 | 3912.4 | 3337.4 | 2724.7 | 203.7 |
| 30° | 6121.1 | 6007.9 | 5820.7 | 5550.9 | 5219.7 | 4855.5 | 4382.0 | 3844.8 | 3263.5 | 2639.0 | 188.0 |
| 31° | 5990.6 | 5894.6 | 5713.7 | 5443.1 | 5125.3 | 4763.5 | 4266.4 | 3733.9 | 3137.6 | 2524.1 | 169.9 |
| 32° | 5818.3 | 5723.9 | 5546.1 | 5301.5 | 4978.2 | 4613.3 | 4108.3 | 3560.8 | 2989.8 | 2352.6 | 151.8 |
| 33° | 5559.5 | 5505.2 | 5345.6 | 5111.9 | 4788.7 | 4398.5 | 3895.9 | 3354.0 | 2779.0 | 2162.3 | 136.1 |
| 34° | 5297.6 | 5229.1 | 5117.5 | 4861.8 | 4514.2 | 4124.8 | 3619.0 | 3068.4 | 2521.8 | 1949.1 | 121.1 |
| 35° | 4995.5 | 4954.6 | 4779.2 | 4574.7 | 4225.5 | 3827.5 | 3324.9 | 2790.8 | 2222.1 | 1711.6 | 106.2 |
| 36° | 4702.9 | 4640.0 | 4440.2 | 4223.9 | 3884.9 | 3454.6 | 2958.3 | 2456.5 | 1963.3 | 1489.0 | 90.5 |
| 37° | 4278.2 | 4182.2 | 4039.8 | 3811.7 | 3415.3 | 3048.8 | 2595.7 | 2130.0 | 1644.7 | 1248.3 | 73.2 |
| 38° | 3778.7 | 3733.9 | 3536.4 | 3306.8 | 2978.8 | 2631.1 | 2182.7 | 1787.9 | 1356.8 | 1042.2 | 55.8 |
| 39° | 3189.6 | 3188.8 | 3000.0 | 2834.0 | 2513.1 | 2200.0 | 1795.7 | 1451.2 | 1120.1 | 839.3 | 43.3 |
| 40° | 2690.1 | 2597.3 | 2480.9 | 2272.4 | 2026.2 | 1760.4 | 1406.4 | 1135.8 | 869.2 | 676.5 | 33.8 |
| 42.5° | 1410.3 | 1402.5 | 1334.0 | 1177.5 | 1039.9 | 883.3 | 702.4 | 585.2 | 457.8 | 372.8 | 21.2 |
| 45° | 605.7 | 609.6 | 562.4 | 538.8 | 485.3 | 420.0 | 354.7 | 295.8 | 253.3 | 205.3 | 12.6 |
| 47.5° | 153.4 | 147.1 | 145.5 | 151.0 | 151.0 | 146.3 | 131.4 | 123.5 | 114.1 | 104.6 | 7.1 |
| 50° | 66.1 | 64.5 | 62.9 | 62.9 | 59.0 | 56.6 | 52.7 | 48.0 | 44.0 | 39.3 | 3.1 |
| 52.5° | 24.4 | 25.2 | 26.0 | 25.2 | 25.2 | 24.4 | 24.4 | 23.6 | 21.2 | 18.9 | 1.6 |
| 55° | 7.9 | 7.9 | 7.9 | 8.7 | 8.7 | 9.4 | 9.4 | 9.4 | 9.4 | 8.7 | 0.0 |
| 57.5° | 1.6 | 1.6 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 3.1 | 3.1 | 0.0 |
| 60° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 65° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 67.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 70° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 72.5° | 0.8 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 75° | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.8 | 0.8 | 0.0 | 0.8 | 0.8 | 0.8 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 |



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CATALOG NUMBER: LDSQA3D09R209040DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0° | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 |
| 2.5° | 34.6 | 30.7 | 26.0 | 22.0 | 21.2 | 20.5 |
| 5° | 38.5 | 28.3 | 21.2 | 17.3 | 15.7 | 14.9 |
| 7.5° | 41.7 | 26.0 | 17.3 | 12.6 | 11.0 | 10.2 |
| 10° | 43.3 | 22.8 | 14.2 | 9.4 | 7.1 | 7.1 |
| 12.5° | 44.0 | 19.7 | 10.2 | 6.3 | 3.9 | 3.9 |
| 15° | 43.3 | 16.5 | 7.9 | 3.1 | 0.8 | 0.8 |
| 17.5° | 39.3 | 13.4 | 4.7 | 0.8 | 0.0 | 0.0 |
| 20° | 33.8 | 11.0 | 3.1 | 0.0 | 0.0 | 0.0 |
| 21° | 32.2 | 9.4 | 2.4 | 0.0 | 0.0 | 0.0 |
| 22° | 29.9 | 8.7 | 1.6 | 0.0 | 0.0 | 0.0 |
| 23° | 27.5 | 7.9 | 1.6 | 0.0 | 0.0 | 0.0 |
| 24° | 25.2 | 7.1 | 0.8 | 0.0 | 0.0 | 0.0 |
| 25° | 23.6 | 6.3 | 0.8 | 0.0 | 0.0 | 0.0 |
| 26° | 22.0 | 5.5 | 0.8 | 0.0 | 0.0 | 0.0 |
| 27° | 19.7 | 4.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 28° | 18.1 | 3.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 29° | 15.7 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 13.4 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 31° | 11.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32° | 9.4 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 33° | 7.9 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 34° | 7.1 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 6.3 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 36° | 4.7 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37° | 3.9 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 38° | 3.1 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 39° | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.8 | 0.0 | 0.0 | 0.8 | 0.8 |
| 47.5° | 0.0 | 0.8 | 0.0 | 0.0 | 0.8 | 1.6 |
| 50° | 0.0 | 0.8 | 0.8 | 0.8 | 1.6 | 2.4 |
| 52.5° | 0.0 | 1.6 | 0.8 | 0.8 | 2.4 | 2.4 |
| 55° | 0.8 | 1.6 | 0.8 | 1.6 | 3.1 | 3.1 |
| 57.5° | 0.8 | 1.6 | 1.6 | 2.4 | 3.1 | 3.9 |
| 60° | 1.6 | 2.4 | 2.4 | 2.4 | 3.9 | 3.9 |
| 62.5° | 1.6 | 2.4 | 3.1 | 3.1 | 3.9 | 4.7 |
| 65° | 1.6 | 3.1 | 3.1 | 3.1 | 3.9 | 4.7 |
| 67.5° | 2.4 | 3.1 | 3.1 | 3.1 | 3.9 | 4.7 |
| 70° | 2.4 | 3.1 | 3.1 | 3.1 | 3.9 | 3.9 |
| 72.5° | 2.4 | 3.1 | 2.4 | 3.1 | 3.1 | 3.9 |
| 75° | 2.4 | 3.1 | 2.4 | 2.4 | 3.1 | 3.1 |
| 77.5° | 1.6 | 2.4 | 2.4 | 1.6 | 2.4 | 2.4 |
| 80° | 1.6 | 2.4 | 1.6 | 1.6 | 2.4 | 2.4 |



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CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 82.5° | 1.6 | 2.4 | 1.6 | 0.8 | 1.6 | 1.6 |
| 85° | 1.6 | 2.4 | 1.6 | 0.8 | 0.8 | 0.8 |
| 87.5° | 1.6 | 2.4 | 1.6 | 0.8 | 0.0 | 0.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)