

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: P1314804

Luminaire Tested: LDSQA3D17R359730DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R359730DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

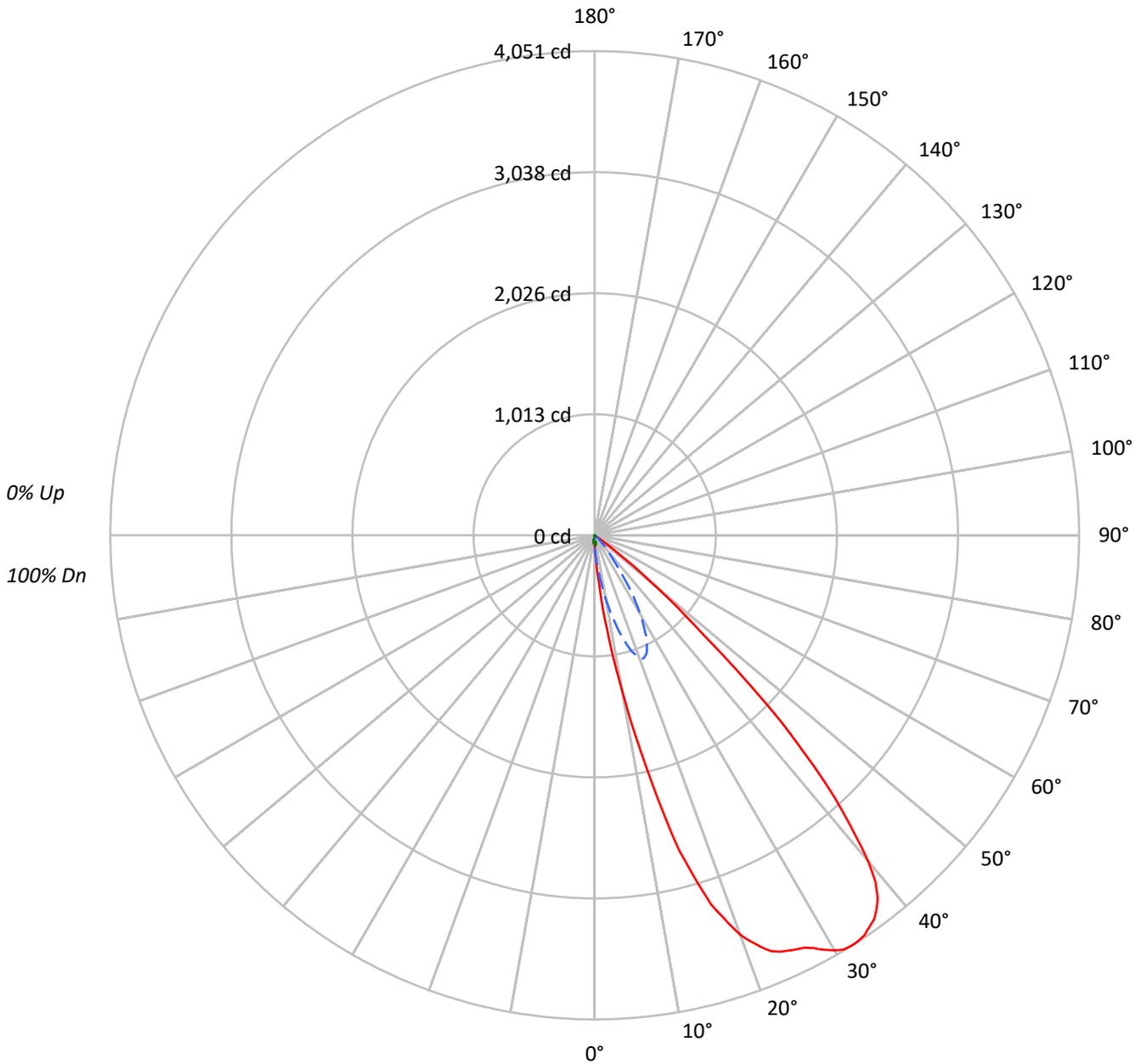
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1210.0 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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

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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 | | | | 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 | 106 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 95 | 93 | 96 | 95 | 93 | 91 |
| 2 | 106 | 100 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 91 | 88 | 92 | 89 | 86 | 89 | 87 | 85 | 89 | 87 | 85 | 83 |
| 3 | 99 | 91 | 86 | 81 | 97 | 90 | 85 | 80 | 87 | 83 | 79 | 85 | 81 | 78 | 82 | 79 | 76 | 82 | 79 | 76 | 75 |
| 4 | 93 | 84 | 77 | 72 | 91 | 82 | 76 | 72 | 80 | 75 | 71 | 78 | 73 | 70 | 76 | 72 | 69 | 76 | 72 | 69 | 67 |
| 5 | 86 | 76 | 70 | 64 | 85 | 75 | 69 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 70 | 66 | 62 | 61 |
| 6 | 81 | 70 | 63 | 58 | 79 | 69 | 62 | 58 | 68 | 62 | 57 | 66 | 61 | 57 | 65 | 60 | 56 | 65 | 60 | 56 | 55 |
| 7 | 75 | 64 | 57 | 52 | 74 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 60 | 55 | 51 | 60 | 55 | 51 | 49 |
| 8 | 71 | 59 | 52 | 47 | 69 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 46 | 55 | 50 | 46 | 55 | 50 | 46 | 45 |
| 9 | 66 | 54 | 47 | 43 | 65 | 54 | 47 | 43 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 51 | 46 | 42 | 40 |
| 10 | 62 | 50 | 43 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 39 | 48 | 42 | 38 | 47 | 42 | 38 | 47 | 42 | 38 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 15707 | 15707 | 15707 | 15707 | 15707 |
| 5° | 68253 | 42304 | 14574 | 5186 | 3596 |
| 10° | 229722 | 95484 | 10895 | 1207 | 402 |
| 15° | 486129 | 156635 | 6793 | 0 | 0 |
| 20° | 651819 | 200137 | 3171 | 0 | 0 |
| 25° | 728486 | 196545 | 665 | 0 | 0 |
| 30° | 797491 | 150581 | 0 | 0 | 0 |
| 35° | 841653 | 82038 | 0 | 0 | 0 |
| 40° | 800092 | 36848 | 0 | 0 | 0 |
| 45° | 537000 | 16318 | 0 | 0 | 0 |
| 50° | 179380 | 1554 | 0 | 0 | 0 |
| 55° | 9698 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 413 | 0 | 0 |
| 65° | 0 | 0 | 937 | 0 | 0 |
| 70° | 0 | 604 | 1158 | 0 | 0 |
| 75° | 0 | 799 | 1530 | 0 | 0 |
| 80° | 0 | 1190 | 2281 | 0 | 0 |
| 85° | 0 | 2371 | 4545 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 537000 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 19.6 | 1.6 |
| 10°-20° | 167.9 | 13.9 |
| 20°-30° | 368.4 | 30.4 |
| 30°-40° | 426.1 | 35.2 |
| 40°-50° | 210.3 | 17.4 |
| 50°-60° | 15.6 | 1.3 |
| 60°-70° | 0.5 | 0.0 |
| 70°-80° | 0.9 | 0.1 |
| 80°-90° | 0.8 | 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° | 555.8 | 45.9 |
| 0°-40° | 981.9 | 81.1 |
| 0°-60° | 1207.8 | 99.8 |
| 0°-90° | 1210.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1210.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0° | 91 | 91 | 91 | 91 | 91 | |
| 5° | 395 | 245 | 84 | 30 | 21 | 68 |
| 15° | 2726 | 878 | 38 | 0 | 0 | 769 |
| 25° | 3834 | 1034 | 4 | 0 | 0 | 1772 |
| 35° | 4003 | 390 | 0 | 0 | 0 | 2472 |
| 45° | 2205 | 67 | 0 | 0 | 0 | 1618 |
| 55° | 32 | 0 | 0 | 0 | 0 | 132 |
| 65° | 0 | 0 | 2 | 0 | 0 | 0 |
| 75° | 0 | 1 | 2 | 0 | 0 | 0 |
| 85° | 0 | 1 | 2 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1314804

CATALOG NUMBER: LDSQA3D17R359730DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|
| 0° | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| 2.5° | 181.2 | 185.8 | 183.5 | 183.5 | 182.4 | 176.6 | 166.2 | 162.8 | 150.1 | 118.9 | 92.3 |
| 5° | 394.8 | 395.9 | 392.5 | 375.2 | 360.2 | 346.3 | 316.3 | 302.4 | 244.7 | 145.4 | 84.3 |
| 7.5° | 801.1 | 783.8 | 761.9 | 737.6 | 684.5 | 636.0 | 572.6 | 505.6 | 378.6 | 168.5 | 75.0 |
| 10° | 1313.6 | 1289.4 | 1270.9 | 1213.2 | 1117.4 | 1018.1 | 896.9 | 787.3 | 546.0 | 184.7 | 62.3 |
| 12.5° | 1975.1 | 1961.2 | 1895.4 | 1780.0 | 1638.0 | 1494.9 | 1283.6 | 1109.3 | 714.5 | 188.2 | 50.8 |
| 15° | 2726.5 | 2703.5 | 2603.0 | 2439.1 | 2246.3 | 2021.2 | 1738.4 | 1445.2 | 878.5 | 177.8 | 38.1 |
| 17.5° | 3240.2 | 3227.5 | 3141.0 | 2969.0 | 2747.3 | 2461.1 | 2126.3 | 1760.4 | 1013.5 | 155.8 | 26.5 |
| 20° | 3556.5 | 3538.0 | 3457.2 | 3311.8 | 3079.8 | 2780.8 | 2383.7 | 1961.2 | 1092.0 | 128.1 | 17.3 |
| 21° | 3638.5 | 3620.0 | 3555.4 | 3404.1 | 3182.5 | 2861.6 | 2454.1 | 2009.7 | 1107.0 | 115.4 | 13.9 |
| 22° | 3715.8 | 3697.3 | 3629.2 | 3495.3 | 3276.0 | 2941.3 | 2509.5 | 2046.6 | 1104.7 | 105.0 | 10.4 |
| 23° | 3780.5 | 3760.8 | 3693.9 | 3570.4 | 3349.9 | 3011.7 | 2551.1 | 2065.1 | 1089.7 | 94.7 | 8.1 |
| 24° | 3813.9 | 3802.4 | 3742.4 | 3625.8 | 3409.9 | 3061.3 | 2579.9 | 2072.0 | 1071.2 | 84.3 | 5.8 |
| 25° | 3833.6 | 3819.7 | 3760.8 | 3653.5 | 3449.2 | 3100.6 | 2598.4 | 2066.3 | 1034.3 | 75.0 | 3.5 |
| 26° | 3854.3 | 3833.6 | 3766.6 | 3662.7 | 3469.9 | 3119.0 | 2599.6 | 2051.3 | 995.0 | 67.0 | 1.2 |
| 27° | 3872.8 | 3853.2 | 3783.9 | 3669.6 | 3473.4 | 3113.3 | 2590.3 | 2022.4 | 947.7 | 58.9 | 1.2 |
| 28° | 3913.2 | 3891.3 | 3811.6 | 3684.7 | 3476.9 | 3098.2 | 2561.5 | 1983.2 | 885.4 | 51.9 | 0.0 |
| 29° | 3966.3 | 3943.2 | 3852.0 | 3720.4 | 3484.9 | 3082.1 | 2522.2 | 1931.2 | 831.1 | 46.2 | 0.0 |
| 30° | 4010.2 | 3989.4 | 3905.1 | 3765.5 | 3505.7 | 3067.1 | 2476.1 | 1860.8 | 757.2 | 39.2 | 0.0 |
| 31° | 4042.5 | 4021.7 | 3944.4 | 3803.5 | 3524.2 | 3053.2 | 2418.3 | 1788.1 | 690.3 | 34.6 | 0.0 |
| 32° | 4050.6 | 4033.3 | 3960.5 | 3819.7 | 3524.2 | 3032.4 | 2365.2 | 1706.1 | 624.5 | 28.9 | 0.0 |
| 33° | 4047.1 | 4029.8 | 3955.9 | 3808.2 | 3493.0 | 2982.8 | 2300.6 | 1608.0 | 549.5 | 25.4 | 0.0 |
| 34° | 4034.4 | 4013.6 | 3935.1 | 3771.2 | 3431.9 | 2898.5 | 2207.1 | 1509.9 | 471.0 | 20.8 | 0.0 |
| 35° | 4003.2 | 3984.8 | 3899.4 | 3702.0 | 3337.2 | 2770.4 | 2082.4 | 1396.8 | 390.2 | 17.3 | 0.0 |
| 36° | 3973.2 | 3945.5 | 3840.5 | 3616.5 | 3212.5 | 2638.8 | 1933.5 | 1266.3 | 320.9 | 13.9 | 0.0 |
| 37° | 3917.8 | 3878.6 | 3772.4 | 3493.0 | 3035.9 | 2453.0 | 1763.8 | 1123.2 | 269.0 | 10.4 | 0.0 |
| 38° | 3843.9 | 3790.8 | 3655.8 | 3349.9 | 2858.1 | 2278.7 | 1604.5 | 993.9 | 226.3 | 6.9 | 0.0 |
| 39° | 3729.7 | 3667.3 | 3483.8 | 3153.7 | 2652.7 | 2076.7 | 1422.1 | 856.5 | 192.8 | 4.6 | 0.0 |
| 40° | 3558.8 | 3500.0 | 3296.8 | 2920.5 | 2448.4 | 1853.9 | 1235.1 | 701.8 | 163.9 | 2.3 | 0.0 |
| 42.5° | 2963.2 | 2882.4 | 2646.9 | 2272.9 | 1810.0 | 1333.3 | 817.3 | 390.2 | 108.5 | 0.0 | 0.0 |
| 45° | 2204.8 | 2133.2 | 1902.4 | 1561.8 | 1206.3 | 816.1 | 437.5 | 229.7 | 67.0 | 0.0 | 0.0 |
| 47.5° | 1245.5 | 1237.5 | 1087.4 | 896.9 | 673.0 | 434.0 | 221.6 | 138.5 | 28.9 | 0.0 | 0.0 |
| 50° | 669.5 | 628.0 | 541.4 | 410.9 | 280.5 | 189.3 | 120.1 | 76.2 | 5.8 | 0.0 | 0.0 |
| 52.5° | 244.7 | 236.6 | 198.5 | 165.1 | 127.0 | 86.6 | 61.2 | 33.5 | 0.0 | 0.0 | 0.0 |
| 55° | 32.3 | 30.0 | 31.2 | 33.5 | 34.6 | 30.0 | 19.6 | 6.9 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 1.2 | 2.3 | 2.3 | 2.3 | 0.0 | 0.0 | 0.0 | 1.2 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 2.3 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 2.3 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 2.3 | 2.3 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 2.3 | 2.3 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 2.3 | 2.3 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 2.3 | 2.3 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 2.3 | 2.3 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 2.3 | 2.3 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 2.3 | 2.3 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 2.3 | 2.3 |
| 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: P1314804
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CANDELA DISTRIBUTION (continued):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 0° | 91.2 | 91.2 | 91.2 | 91.2 |
| 2.5° | 70.4 | 54.3 | 46.2 | 45.0 |
| 5° | 48.5 | 30.0 | 21.9 | 20.8 |
| 7.5° | 33.5 | 15.0 | 10.4 | 9.2 |
| 10° | 19.6 | 6.9 | 3.5 | 2.3 |
| 12.5° | 11.5 | 1.2 | 0.0 | 0.0 |
| 15° | 3.5 | 0.0 | 0.0 | 0.0 |
| 17.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 20° | 0.0 | 0.0 | 0.0 | 0.0 |
| 21° | 0.0 | 0.0 | 0.0 | 0.0 |
| 22° | 0.0 | 0.0 | 0.0 | 0.0 |
| 23° | 0.0 | 0.0 | 0.0 | 0.0 |
| 24° | 0.0 | 0.0 | 0.0 | 0.0 |
| 25° | 0.0 | 0.0 | 0.0 | 0.0 |
| 26° | 0.0 | 0.0 | 0.0 | 0.0 |
| 27° | 0.0 | 0.0 | 0.0 | 0.0 |
| 28° | 0.0 | 0.0 | 0.0 | 0.0 |
| 29° | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 0.0 | 0.0 | 0.0 | 0.0 |
| 31° | 0.0 | 0.0 | 0.0 | 0.0 |
| 32° | 0.0 | 0.0 | 0.0 | 0.0 |
| 33° | 0.0 | 0.0 | 0.0 | 0.0 |
| 34° | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 0.0 | 0.0 | 0.0 | 0.0 |
| 36° | 0.0 | 0.0 | 0.0 | 0.0 |
| 37° | 0.0 | 0.0 | 0.0 | 0.0 |
| 38° | 0.0 | 0.0 | 0.0 | 0.0 |
| 39° | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 1.2 | 0.0 | 0.0 | 0.0 |
| 67.5° | 1.2 | 0.0 | 0.0 | 0.0 |
| 70° | 1.2 | 0.0 | 0.0 | 0.0 |
| 72.5° | 1.2 | 0.0 | 0.0 | 0.0 |
| 75° | 1.2 | 0.0 | 0.0 | 0.0 |
| 77.5° | 1.2 | 0.0 | 0.0 | 0.0 |
| 80° | 1.2 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 82.5° | 1.2 | 0.0 | 0.0 | 0.0 |
| 85° | 1.2 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.2 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)