

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: P1317781

Luminaire Tested: LDSQA3D20R359827D010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317781
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: LDSQA3D20R359827D010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

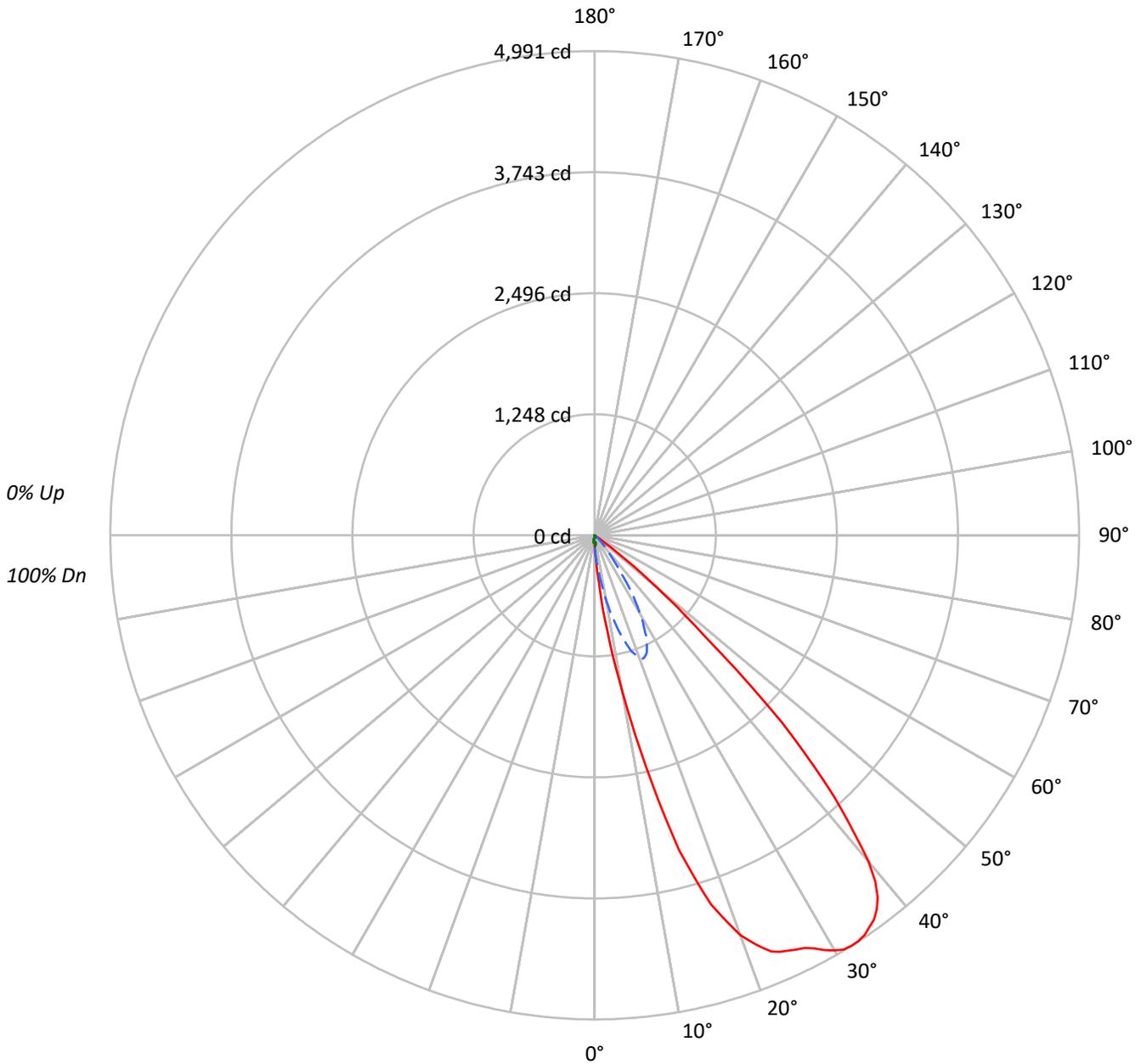
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1491.0 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1317781
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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 | 100 | | | 100 | |
| 1 | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 95 | 93 | 91 | | | 91 | |
| 2 | 106 | 100 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 91 | 88 | 92 | 89 | 86 | 89 | 87 | 85 | 83 | | | 83 | |
| 3 | 99 | 91 | 86 | 81 | 97 | 90 | 85 | 80 | 87 | 83 | 79 | 85 | 81 | 78 | 82 | 79 | 76 | 75 | | | 75 | |
| 4 | 93 | 84 | 77 | 72 | 91 | 82 | 76 | 72 | 80 | 75 | 71 | 78 | 73 | 70 | 76 | 72 | 69 | 67 | | | 67 | |
| 5 | 86 | 76 | 70 | 64 | 85 | 75 | 69 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 61 | | | 61 | |
| 6 | 81 | 70 | 63 | 58 | 79 | 69 | 62 | 58 | 68 | 62 | 57 | 66 | 61 | 57 | 65 | 60 | 56 | 55 | | | 55 | |
| 7 | 75 | 64 | 57 | 52 | 74 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 60 | 55 | 51 | 49 | | | 49 | |
| 8 | 71 | 59 | 52 | 47 | 69 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 46 | 55 | 50 | 46 | 45 | | | 45 | |
| 9 | 66 | 55 | 47 | 43 | 65 | 54 | 47 | 43 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 40 | | | 40 | |
| 10 | 62 | 50 | 43 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 39 | 48 | 42 | 38 | 47 | 42 | 38 | 37 | | | 37 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|---------|--------|-------|-------|-------|
| 0° | 19358 | 19358 | 19358 | 19358 | 19358 |
| 5° | 84106 | 52141 | 17945 | 6397 | 4426 |
| 10° | 283077 | 117659 | 13431 | 1486 | 490 |
| 15° | 599028 | 193008 | 8362 | 0 | 0 |
| 20° | 803205 | 246616 | 3904 | 0 | 0 |
| 25° | 897648 | 242189 | 817 | 0 | 0 |
| 30° | 982694 | 185561 | 0 | 0 | 0 |
| 35° | 1037118 | 101086 | 0 | 0 | 0 |
| 40° | 985906 | 45414 | 0 | 0 | 0 |
| 45° | 661703 | 20094 | 0 | 0 | 0 |
| 50° | 221043 | 1902 | 0 | 0 | 0 |
| 55° | 11950 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 482 | 0 | 0 |
| 65° | 0 | 0 | 1141 | 0 | 0 |
| 70° | 0 | 705 | 1410 | 0 | 0 |
| 75° | 0 | 932 | 1863 | 0 | 0 |
| 80° | 0 | 1389 | 2777 | 0 | 0 |
| 85° | 0 | 2766 | 5533 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 661703 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 24.1 | 1.6 |
| 10°-20° | 206.9 | 13.9 |
| 20°-30° | 453.9 | 30.4 |
| 30°-40° | 525.0 | 35.2 |
| 40°-50° | 259.2 | 17.4 |
| 50°-60° | 19.2 | 1.3 |
| 60°-70° | 0.7 | 0.0 |
| 70°-80° | 1.1 | 0.1 |
| 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° | 684.9 | 45.9 |
| 0°-40° | 1209.9 | 81.2 |
| 0°-60° | 1488.3 | 99.8 |
| 0°-90° | 1491.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1491.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0° | 112 | 112 | 112 | 112 | 112 | |
| 5° | 486 | 302 | 104 | 37 | 26 | 84 |
| 15° | 3360 | 1082 | 47 | 0 | 0 | 948 |
| 25° | 4724 | 1274 | 4 | 0 | 0 | 2184 |
| 35° | 4933 | 481 | 0 | 0 | 0 | 3046 |
| 45° | 2717 | 82 | 0 | 0 | 0 | 1994 |
| 55° | 40 | 0 | 0 | 0 | 0 | 163 |
| 65° | 0 | 0 | 3 | 0 | 0 | 0 |
| 75° | 0 | 1 | 3 | 0 | 0 | 0 |
| 85° | 0 | 1 | 3 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1317781
 CATALOG NUMBER: LDSQA3D20R359827D010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0° | 112.4 | 112.4 | 112.4 | 112.4 | 112.4 | 112.4 | 112.4 | 112.4 | 112.4 | 112.4 | 112.4 |
| 2.5° | 223.3 | 229.0 | 226.2 | 226.2 | 224.7 | 217.6 | 204.8 | 200.6 | 184.9 | 146.5 | 113.8 |
| 5° | 486.5 | 487.9 | 483.6 | 462.3 | 443.8 | 426.7 | 389.7 | 372.7 | 301.6 | 179.2 | 103.8 |
| 7.5° | 987.2 | 965.8 | 938.8 | 908.9 | 843.5 | 783.7 | 705.5 | 623.0 | 466.6 | 207.7 | 92.5 |
| 10° | 1618.7 | 1588.8 | 1566.1 | 1495.0 | 1376.9 | 1254.6 | 1105.2 | 970.1 | 672.8 | 227.6 | 76.8 |
| 12.5° | 2433.7 | 2416.7 | 2335.6 | 2193.4 | 2018.4 | 1842.0 | 1581.7 | 1366.9 | 880.5 | 231.9 | 62.6 |
| 15° | 3359.7 | 3331.3 | 3207.5 | 3005.6 | 2768.0 | 2490.6 | 2142.2 | 1780.9 | 1082.5 | 219.1 | 46.9 |
| 17.5° | 3992.7 | 3977.1 | 3870.4 | 3658.4 | 3385.3 | 3032.6 | 2620.1 | 2169.2 | 1248.9 | 192.0 | 32.7 |
| 20° | 4382.5 | 4359.7 | 4260.1 | 4080.9 | 3795.0 | 3426.6 | 2937.3 | 2416.7 | 1345.6 | 157.9 | 21.3 |
| 21° | 4483.4 | 4460.7 | 4381.0 | 4194.7 | 3921.6 | 3526.2 | 3024.0 | 2476.4 | 1364.1 | 142.2 | 17.1 |
| 22° | 4578.7 | 4556.0 | 4472.1 | 4307.1 | 4036.8 | 3624.3 | 3092.3 | 2521.9 | 1361.2 | 129.4 | 12.8 |
| 23° | 4658.4 | 4634.2 | 4551.7 | 4399.5 | 4127.8 | 3711.1 | 3143.5 | 2544.7 | 1342.8 | 116.6 | 10.0 |
| 24° | 4699.7 | 4685.4 | 4611.5 | 4467.8 | 4201.8 | 3772.2 | 3179.1 | 2553.2 | 1320.0 | 103.8 | 7.1 |
| 25° | 4723.8 | 4706.8 | 4634.2 | 4501.9 | 4250.2 | 3820.6 | 3201.9 | 2546.1 | 1274.5 | 92.5 | 4.3 |
| 26° | 4749.4 | 4723.8 | 4641.3 | 4513.3 | 4275.8 | 3843.4 | 3203.3 | 2527.6 | 1226.1 | 82.5 | 1.4 |
| 27° | 4772.2 | 4748.0 | 4662.7 | 4521.9 | 4280.0 | 3836.2 | 3191.9 | 2492.1 | 1167.8 | 72.5 | 1.4 |
| 28° | 4822.0 | 4795.0 | 4696.8 | 4540.3 | 4284.3 | 3817.8 | 3156.3 | 2443.7 | 1091.0 | 64.0 | 0.0 |
| 29° | 4887.4 | 4859.0 | 4746.6 | 4584.4 | 4294.3 | 3797.8 | 3108.0 | 2379.7 | 1024.1 | 56.9 | 0.0 |
| 30° | 4941.5 | 4915.9 | 4812.0 | 4639.9 | 4319.9 | 3779.4 | 3051.1 | 2292.9 | 933.1 | 48.4 | 0.0 |
| 31° | 4981.3 | 4955.7 | 4860.4 | 4686.9 | 4342.6 | 3762.3 | 2980.0 | 2203.3 | 850.6 | 42.7 | 0.0 |
| 32° | 4991.2 | 4969.9 | 4880.3 | 4706.8 | 4342.6 | 3736.7 | 2914.5 | 2102.3 | 769.5 | 35.6 | 0.0 |
| 33° | 4987.0 | 4965.6 | 4874.6 | 4692.5 | 4304.2 | 3675.5 | 2834.9 | 1981.4 | 677.1 | 31.3 | 0.0 |
| 34° | 4971.3 | 4945.7 | 4849.0 | 4647.0 | 4228.8 | 3571.7 | 2719.7 | 1860.5 | 580.3 | 25.6 | 0.0 |
| 35° | 4932.9 | 4910.2 | 4804.9 | 4561.7 | 4112.2 | 3413.8 | 2566.0 | 1721.1 | 480.8 | 21.3 | 0.0 |
| 36° | 4895.9 | 4861.8 | 4732.4 | 4456.4 | 3958.6 | 3251.6 | 2382.5 | 1560.4 | 395.4 | 17.1 | 0.0 |
| 37° | 4827.7 | 4779.3 | 4648.4 | 4304.2 | 3740.9 | 3022.6 | 2173.4 | 1384.0 | 331.4 | 12.8 | 0.0 |
| 38° | 4736.6 | 4671.2 | 4504.8 | 4127.8 | 3521.9 | 2807.8 | 1977.2 | 1224.7 | 278.8 | 8.5 | 0.0 |
| 39° | 4595.8 | 4519.0 | 4292.8 | 3886.0 | 3268.7 | 2558.9 | 1752.4 | 1055.4 | 237.5 | 5.7 | 0.0 |
| 40° | 4385.3 | 4312.8 | 4062.4 | 3598.7 | 3016.9 | 2284.4 | 1522.0 | 864.8 | 202.0 | 2.8 | 0.0 |
| 42.5° | 3651.3 | 3551.8 | 3261.6 | 2800.7 | 2230.3 | 1642.9 | 1007.1 | 480.8 | 133.7 | 0.0 | 0.0 |
| 45° | 2716.8 | 2628.6 | 2344.1 | 1924.5 | 1486.4 | 1005.6 | 539.1 | 283.1 | 82.5 | 0.0 | 0.0 |
| 47.5° | 1534.8 | 1524.8 | 1339.9 | 1105.2 | 829.3 | 534.8 | 273.1 | 170.7 | 35.6 | 0.0 | 0.0 |
| 50° | 825.0 | 773.8 | 667.1 | 506.4 | 345.6 | 233.3 | 147.9 | 93.9 | 7.1 | 0.0 | 0.0 |
| 52.5° | 301.6 | 291.6 | 244.7 | 203.4 | 156.5 | 106.7 | 75.4 | 41.2 | 0.0 | 0.0 | 0.0 |
| 55° | 39.8 | 37.0 | 38.4 | 41.2 | 42.7 | 37.0 | 24.2 | 8.5 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 1.4 | 2.8 | 2.8 | 2.8 | 0.0 | 0.0 | 0.0 | 1.4 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.8 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 2.8 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.8 | 2.8 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.8 | 2.8 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.8 | 2.8 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.8 | 2.8 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.8 | 2.8 |



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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 | 1.4 | 2.8 | 2.8 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.8 | 2.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.8 | 2.8 |
| 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: P1317781
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CANDELA DISTRIBUTION (continued):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|-------|--------|-------|
| 0° | 112.4 | 112.4 | 112.4 | 112.4 |
| 2.5° | 86.8 | 66.9 | 56.9 | 55.5 |
| 5° | 59.7 | 37.0 | 27.0 | 25.6 |
| 7.5° | 41.2 | 18.5 | 12.8 | 11.4 |
| 10° | 24.2 | 8.5 | 4.3 | 2.8 |
| 12.5° | 14.2 | 1.4 | 0.0 | 0.0 |
| 15° | 4.3 | 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° | 1.4 | 0.0 | 0.0 | 0.0 |
| 67.5° | 1.4 | 0.0 | 0.0 | 0.0 |
| 70° | 1.4 | 0.0 | 0.0 | 0.0 |
| 72.5° | 1.4 | 0.0 | 0.0 | 0.0 |
| 75° | 1.4 | 0.0 | 0.0 | 0.0 |
| 77.5° | 1.4 | 0.0 | 0.0 | 0.0 |
| 80° | 1.4 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 82.5° | 1.4 | 0.0 | 0.0 | 0.0 |
| 85° | 1.4 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.4 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)