

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: P1317765

Luminaire Tested: LDSQA3D20R309827D010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317765
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R309827D010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

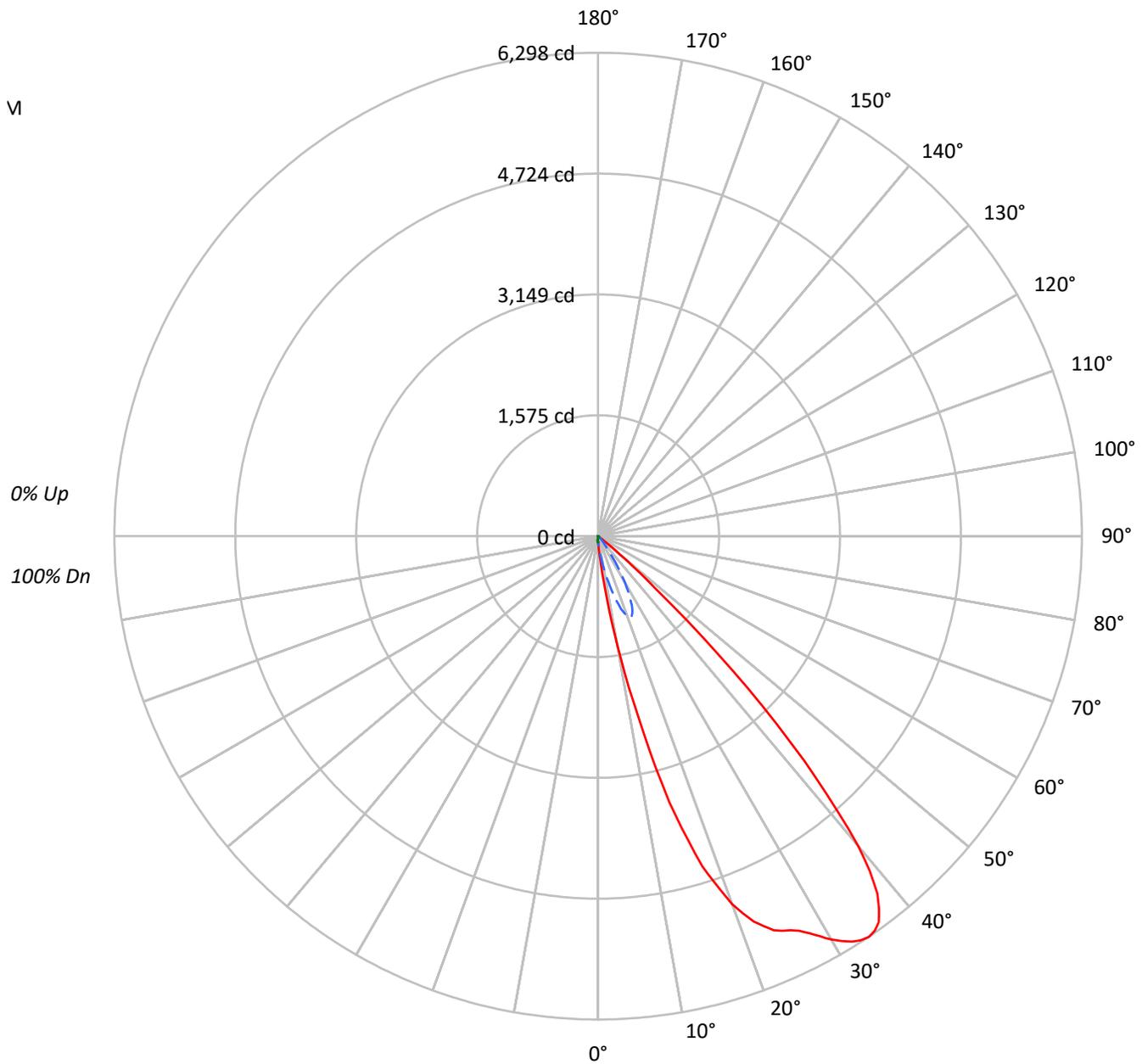
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1516.0 lumens
Efficiency: N/A
Efficacy: 55.3 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
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 (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 | 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 | 96 | 92 | 104 | 98 | 94 | 91 | 95 | 92 | 89 | 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 | 80 | 77 | 83 | 80 | 77 | 75 |
| 4 | 93 | 84 | 78 | 73 | 91 | 83 | 77 | 72 | 81 | 75 | 71 | 78 | 74 | 70 | 76 | 73 | 69 | 76 | 73 | 69 | 68 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 70 | 65 | 74 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 71 | 66 | 63 | 61 |
| 6 | 81 | 71 | 64 | 58 | 80 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 61 | 57 | 65 | 61 | 57 | 65 | 61 | 57 | 55 |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 53 | 63 | 57 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 60 | 55 | 52 | 50 |
| 8 | 71 | 60 | 53 | 48 | 70 | 59 | 52 | 48 | 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 | 43 | 51 | 46 | 43 | 41 |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 48 | 43 | 39 | 48 | 43 | 39 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|---------|--------|-------|-------|-------|
| 0° | 13967 | 13967 | 13967 | 13967 | 13967 |
| 5° | 50671 | 31482 | 12793 | 5169 | 3682 |
| 10° | 250795 | 75391 | 9951 | 997 | 0 |
| 15° | 639733 | 143566 | 6347 | 0 | 0 |
| 20° | 934760 | 204169 | 2603 | 0 | 0 |
| 25° | 1078420 | 200326 | 532 | 0 | 0 |
| 30° | 1206955 | 137496 | 0 | 0 | 0 |
| 35° | 1319981 | 59226 | 0 | 0 | 0 |
| 40° | 1184715 | 23022 | 0 | 0 | 0 |
| 45° | 605002 | 9353 | 0 | 0 | 0 |
| 50° | 93401 | 1152 | 0 | 0 | 0 |
| 55° | 5555 | 0 | 420 | 0 | 0 |
| 60° | 0 | 0 | 482 | 0 | 0 |
| 65° | 0 | 0 | 1141 | 0 | 0 |
| 70° | 0 | 705 | 1410 | 0 | 0 |
| 75° | 0 | 932 | 2861 | 0 | 0 |
| 80° | 0 | 1389 | 4265 | 0 | 0 |
| 85° | 0 | 2766 | 8497 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 605002 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 16.9 | 1.1 |
| 10°-20° | 202.0 | 13.3 |
| 20°-30° | 499.2 | 32.9 |
| 30°-40° | 574.0 | 37.9 |
| 40°-50° | 212.9 | 14.0 |
| 50°-60° | 7.7 | 0.5 |
| 60°-70° | 0.7 | 0.0 |
| 70°-80° | 1.3 | 0.1 |
| 80°-90° | 1.2 | 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° | 718.1 | 47.4 |
| 0°-40° | 1292.1 | 85.2 |
| 0°-60° | 1512.8 | 99.8 |
| 0°-90° | 1516.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1516.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0° | 81 | 81 | 81 | 81 | 81 | |
| 5° | 293 | 182 | 74 | 30 | 21 | 64 |
| 15° | 3588 | 805 | 36 | 0 | 0 | 1032 |
| 25° | 5675 | 1054 | 3 | 0 | 0 | 2622 |
| 35° | 6278 | 282 | 0 | 0 | 0 | 3806 |
| 45° | 2484 | 38 | 0 | 0 | 0 | 1935 |
| 55° | 18 | 0 | 1 | 0 | 0 | 63 |
| 65° | 0 | 0 | 3 | 0 | 0 | 0 |
| 75° | 0 | 1 | 4 | 0 | 0 | 0 |
| 85° | 0 | 1 | 4 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1317765

CATALOG NUMBER: LDSQA3D20R309827D010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|--------|
| 0° | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| 2.5° | 143.7 | 145.1 | 145.1 | 140.8 | 139.4 | 138.0 | 133.7 | 120.9 | 101.0 | 81.1 | 65.4 |
| 5° | 293.1 | 294.5 | 294.5 | 286.0 | 268.9 | 251.8 | 237.6 | 182.1 | 116.7 | 74.0 | 48.4 |
| 7.5° | 691.4 | 692.8 | 663.0 | 628.8 | 560.5 | 525.0 | 459.5 | 280.3 | 132.3 | 66.9 | 31.3 |
| 10° | 1434.1 | 1402.8 | 1324.5 | 1224.9 | 1119.7 | 983.1 | 845.1 | 431.1 | 143.7 | 56.9 | 19.9 |
| 12.5° | 2397.2 | 2367.3 | 2266.3 | 2124.1 | 1917.8 | 1650.3 | 1388.5 | 606.1 | 145.1 | 45.5 | 11.4 |
| 15° | 3588.0 | 3504.1 | 3383.1 | 3147.0 | 2842.5 | 2428.5 | 1996.0 | 805.2 | 139.4 | 35.6 | 2.8 |
| 17.5° | 4511.3 | 4434.5 | 4280.9 | 4004.9 | 3626.4 | 3166.9 | 2636.2 | 994.5 | 123.8 | 22.8 | 0.0 |
| 20° | 5100.3 | 5019.2 | 4875.5 | 4632.3 | 4229.6 | 3690.4 | 3083.0 | 1114.0 | 102.4 | 14.2 | 0.0 |
| 21° | 5268.2 | 5189.9 | 5049.1 | 4807.2 | 4406.1 | 3868.3 | 3192.5 | 1139.6 | 92.5 | 11.4 | 0.0 |
| 22° | 5416.2 | 5355.0 | 5224.1 | 4960.9 | 4552.6 | 3999.2 | 3303.5 | 1142.4 | 85.4 | 8.5 | 0.0 |
| 23° | 5520.0 | 5475.9 | 5345.0 | 5103.2 | 4696.3 | 4105.9 | 3363.2 | 1125.3 | 76.8 | 5.7 | 0.0 |
| 24° | 5619.6 | 5565.5 | 5453.1 | 5228.4 | 4810.1 | 4195.5 | 3417.3 | 1094.0 | 68.3 | 4.3 | 0.0 |
| 25° | 5675.1 | 5612.5 | 5525.7 | 5315.1 | 4904.0 | 4252.4 | 3450.0 | 1054.2 | 59.8 | 2.8 | 0.0 |
| 26° | 5713.5 | 5665.1 | 5569.8 | 5366.4 | 4943.8 | 4289.4 | 3454.3 | 995.9 | 54.1 | 1.4 | 0.0 |
| 27° | 5771.8 | 5723.5 | 5631.0 | 5411.9 | 4960.9 | 4283.7 | 3428.7 | 929.0 | 46.9 | 0.0 | 0.0 |
| 28° | 5860.0 | 5796.0 | 5703.5 | 5460.3 | 4968.0 | 4259.5 | 3371.8 | 856.5 | 39.8 | 0.0 | 0.0 |
| 29° | 5961.0 | 5895.6 | 5794.6 | 5524.3 | 4969.4 | 4211.1 | 3282.1 | 776.8 | 35.6 | 0.0 | 0.0 |
| 30° | 6069.2 | 6012.3 | 5909.8 | 5586.9 | 4985.1 | 4148.5 | 3178.3 | 691.4 | 28.5 | 0.0 | 0.0 |
| 31° | 6154.5 | 6103.3 | 5993.8 | 5643.8 | 4997.9 | 4094.5 | 3050.2 | 606.1 | 24.2 | 0.0 | 0.0 |
| 32° | 6228.5 | 6183.0 | 6047.8 | 5656.6 | 4972.3 | 4017.7 | 2913.7 | 523.5 | 19.9 | 0.0 | 0.0 |
| 33° | 6279.7 | 6222.8 | 6064.9 | 5623.9 | 4898.3 | 3891.0 | 2761.4 | 445.3 | 15.6 | 0.0 | 0.0 |
| 34° | 6298.2 | 6229.9 | 6039.3 | 5538.5 | 4748.9 | 3699.0 | 2563.7 | 364.2 | 12.8 | 0.0 | 0.0 |
| 35° | 6278.3 | 6194.4 | 5946.8 | 5392.0 | 4546.9 | 3469.9 | 2326.1 | 281.7 | 10.0 | 0.0 | 0.0 |
| 36° | 6214.3 | 6107.6 | 5814.5 | 5182.8 | 4258.1 | 3199.6 | 2088.5 | 219.1 | 7.1 | 0.0 | 0.0 |
| 37° | 6076.3 | 5958.2 | 5588.3 | 4906.8 | 3972.1 | 2889.5 | 1818.2 | 170.7 | 4.3 | 0.0 | 0.0 |
| 38° | 5907.0 | 5736.3 | 5286.7 | 4558.3 | 3602.2 | 2540.9 | 1550.7 | 140.8 | 2.8 | 0.0 | 0.0 |
| 39° | 5618.2 | 5430.4 | 4928.2 | 4157.1 | 3239.4 | 2209.4 | 1290.4 | 122.4 | 1.4 | 0.0 | 0.0 |
| 40° | 5269.6 | 5046.3 | 4518.4 | 3727.4 | 2811.2 | 1862.3 | 1077.0 | 102.4 | 1.4 | 0.0 | 0.0 |
| 42.5° | 3975.0 | 3785.8 | 3218.1 | 2535.2 | 1718.6 | 1098.3 | 597.5 | 66.9 | 0.0 | 0.0 | 0.0 |
| 45° | 2484.0 | 2286.3 | 1902.1 | 1390.0 | 930.4 | 569.1 | 287.4 | 38.4 | 0.0 | 0.0 | 0.0 |
| 47.5° | 1014.4 | 930.4 | 765.4 | 589.0 | 421.1 | 267.5 | 119.5 | 17.1 | 0.0 | 0.0 | 0.0 |
| 50° | 348.6 | 310.1 | 260.4 | 190.6 | 135.2 | 92.5 | 62.6 | 4.3 | 0.0 | 0.0 | 0.0 |
| 52.5° | 101.0 | 102.4 | 89.6 | 76.8 | 59.8 | 42.7 | 31.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 18.5 | 15.6 | 18.5 | 17.1 | 18.5 | 15.6 | 11.4 | 0.0 | 0.0 | 1.4 | 0.0 |
| 57.5° | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 0.0 | 1.4 | 1.4 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.8 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.8 | 1.4 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.8 | 2.8 | 1.4 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.8 | 2.8 | 1.4 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.8 | 4.3 | 1.4 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.8 | 4.3 | 1.4 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.8 | 4.3 | 1.4 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.8 | 4.3 | 1.4 |



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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 | 0.0 | 1.4 | 2.8 | 4.3 | 1.4 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.8 | 4.3 | 1.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.8 | 4.3 | 1.4 |
| 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: LDSQA3D20R309827D010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (continued):

| | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0° | 81.1 | 81.1 | 81.1 |
| 2.5° | 52.6 | 46.9 | 44.1 |
| 5° | 29.9 | 22.8 | 21.3 |
| 7.5° | 15.6 | 10.0 | 8.5 |
| 10° | 5.7 | 1.4 | 0.0 |
| 12.5° | 0.0 | 0.0 | 0.0 |
| 15° | 0.0 | 0.0 | 0.0 |
| 17.5° | 0.0 | 0.0 | 0.0 |
| 20° | 0.0 | 0.0 | 0.0 |
| 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 | 0.0 |
| 39° | 0.0 | 0.0 | 0.0 |
| 40° | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)