

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: P1318641

Luminaire Tested: LDSQA3D20R309830D010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318641
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: LDSQA3D20R309830D010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

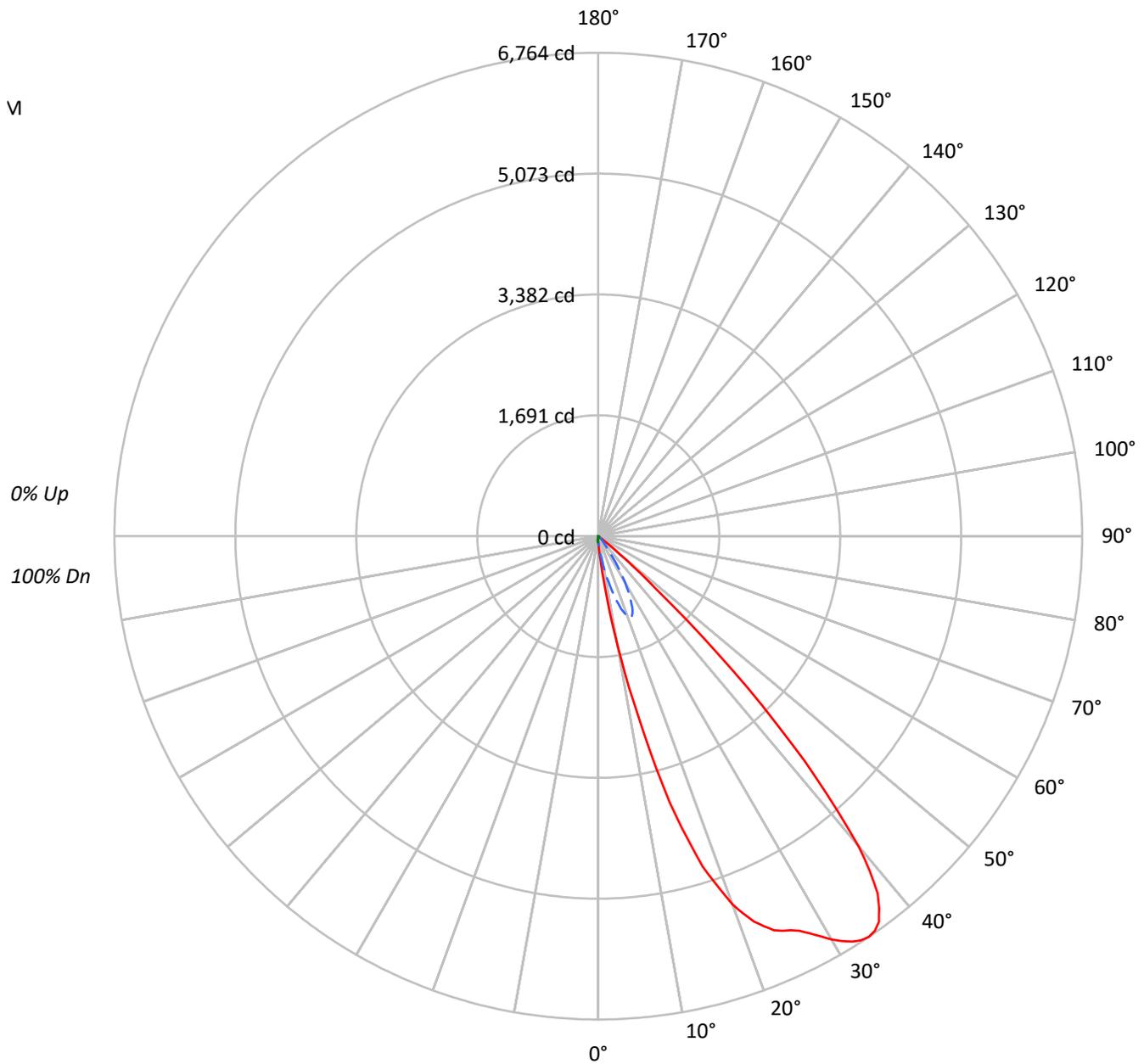
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1628.0 lumens
Efficiency: N/A
Efficacy: 59.4 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 | | | | 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° | 15001 | 15001 | 15001 | 15001 | 15001 |
| 5° | 54405 | 33815 | 13727 | 5549 | 3959 |
| 10° | 269314 | 80952 | 10685 | 1067 | 0 |
| 15° | 687000 | 154174 | 6811 | 0 | 0 |
| 20° | 1003818 | 219252 | 2804 | 0 | 0 |
| 25° | 1158098 | 215129 | 589 | 0 | 0 |
| 30° | 1296106 | 147658 | 0 | 0 | 0 |
| 35° | 1417493 | 63599 | 0 | 0 | 0 |
| 40° | 1272238 | 24730 | 0 | 0 | 0 |
| 45° | 649695 | 10059 | 0 | 0 | 0 |
| 50° | 100287 | 1232 | 0 | 0 | 0 |
| 55° | 5975 | 0 | 450 | 0 | 0 |
| 60° | 0 | 0 | 517 | 0 | 0 |
| 65° | 0 | 0 | 1263 | 0 | 0 |
| 70° | 0 | 755 | 1561 | 0 | 0 |
| 75° | 0 | 998 | 3061 | 0 | 0 |
| 80° | 0 | 1488 | 4562 | 0 | 0 |
| 85° | 0 | 2964 | 9090 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 649695 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 18.2 | 1.1 |
| 10°-20° | 216.9 | 13.3 |
| 20°-30° | 536.1 | 32.9 |
| 30°-40° | 616.5 | 37.9 |
| 40°-50° | 228.7 | 14.0 |
| 50°-60° | 8.3 | 0.5 |
| 60°-70° | 0.8 | 0.0 |
| 70°-80° | 1.4 | 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° | 771.1 | 47.4 |
| 0°-40° | 1387.6 | 85.2 |
| 0°-60° | 1624.6 | 99.8 |
| 0°-90° | 1628.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1628.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0° | 87 | 87 | 87 | 87 | 87 | |
| 5° | 315 | 196 | 79 | 32 | 23 | 68 |
| 15° | 3853 | 865 | 38 | 0 | 0 | 1108 |
| 25° | 6094 | 1132 | 3 | 0 | 0 | 2816 |
| 35° | 6742 | 302 | 0 | 0 | 0 | 4088 |
| 45° | 2668 | 41 | 0 | 0 | 0 | 2077 |
| 55° | 20 | 0 | 2 | 0 | 0 | 68 |
| 65° | 0 | 0 | 3 | 0 | 0 | 0 |
| 75° | 0 | 2 | 5 | 0 | 0 | 0 |
| 85° | 0 | 2 | 5 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1318641

CATALOG NUMBER: LDSQA3D20R309830D010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|--------|
| 0° | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| 2.5° | 154.3 | 155.8 | 155.8 | 151.3 | 149.7 | 148.2 | 143.6 | 129.9 | 108.5 | 87.1 | 70.3 |
| 5° | 314.7 | 316.3 | 316.3 | 307.1 | 288.8 | 270.4 | 255.1 | 195.6 | 125.3 | 79.4 | 51.9 |
| 7.5° | 742.5 | 744.0 | 711.9 | 675.3 | 601.9 | 563.8 | 493.5 | 301.0 | 142.1 | 71.8 | 33.6 |
| 10° | 1540.0 | 1506.4 | 1422.4 | 1315.4 | 1202.4 | 1055.7 | 907.5 | 462.9 | 154.3 | 61.1 | 21.4 |
| 12.5° | 2574.3 | 2542.2 | 2433.8 | 2281.0 | 2059.5 | 1772.2 | 1491.1 | 650.8 | 155.8 | 48.9 | 12.2 |
| 15° | 3853.1 | 3762.9 | 3633.1 | 3379.5 | 3052.5 | 2607.9 | 2143.5 | 864.7 | 149.7 | 38.2 | 3.1 |
| 17.5° | 4844.6 | 4762.1 | 4597.1 | 4300.7 | 3894.3 | 3400.9 | 2831.0 | 1067.9 | 132.9 | 24.4 | 0.0 |
| 20° | 5477.1 | 5390.0 | 5235.7 | 4974.5 | 4542.1 | 3963.1 | 3310.7 | 1196.3 | 110.0 | 15.3 | 0.0 |
| 21° | 5657.4 | 5573.4 | 5422.1 | 5162.4 | 4731.6 | 4154.1 | 3428.4 | 1223.8 | 99.3 | 12.2 | 0.0 |
| 22° | 5816.3 | 5750.6 | 5610.0 | 5327.4 | 4888.9 | 4294.6 | 3547.5 | 1226.8 | 91.7 | 9.2 | 0.0 |
| 23° | 5927.8 | 5880.5 | 5739.9 | 5480.2 | 5043.2 | 4409.2 | 3611.7 | 1208.5 | 82.5 | 6.1 | 0.0 |
| 24° | 6034.8 | 5976.7 | 5856.0 | 5614.6 | 5165.5 | 4505.5 | 3669.7 | 1174.9 | 73.3 | 4.6 | 0.0 |
| 25° | 6094.4 | 6027.1 | 5933.9 | 5707.8 | 5266.3 | 4566.6 | 3704.9 | 1132.1 | 64.2 | 3.1 | 0.0 |
| 26° | 6135.6 | 6083.7 | 5981.3 | 5762.8 | 5309.1 | 4606.3 | 3709.5 | 1069.5 | 58.1 | 1.5 | 0.0 |
| 27° | 6198.2 | 6146.3 | 6047.0 | 5811.7 | 5327.4 | 4600.2 | 3682.0 | 997.6 | 50.4 | 0.0 | 0.0 |
| 28° | 6293.0 | 6224.2 | 6124.9 | 5863.7 | 5335.0 | 4574.2 | 3620.9 | 919.7 | 42.8 | 0.0 | 0.0 |
| 29° | 6401.4 | 6331.2 | 6222.7 | 5932.4 | 5336.6 | 4522.3 | 3524.6 | 834.2 | 38.2 | 0.0 | 0.0 |
| 30° | 6517.5 | 6456.4 | 6346.4 | 5999.6 | 5353.4 | 4455.0 | 3413.1 | 742.5 | 30.6 | 0.0 | 0.0 |
| 31° | 6609.2 | 6554.2 | 6436.6 | 6060.7 | 5367.1 | 4397.0 | 3275.6 | 650.8 | 26.0 | 0.0 | 0.0 |
| 32° | 6688.7 | 6639.8 | 6494.6 | 6074.5 | 5339.6 | 4314.5 | 3128.9 | 562.2 | 21.4 | 0.0 | 0.0 |
| 33° | 6743.7 | 6682.5 | 6513.0 | 6039.4 | 5260.2 | 4178.5 | 2965.4 | 478.2 | 16.8 | 0.0 | 0.0 |
| 34° | 6763.5 | 6690.2 | 6485.5 | 5947.7 | 5099.8 | 3972.3 | 2753.1 | 391.1 | 13.8 | 0.0 | 0.0 |
| 35° | 6742.1 | 6652.0 | 6386.2 | 5790.3 | 4882.8 | 3726.3 | 2497.9 | 302.5 | 10.7 | 0.0 | 0.0 |
| 36° | 6673.4 | 6558.8 | 6244.1 | 5565.7 | 4572.7 | 3436.0 | 2242.8 | 235.3 | 7.6 | 0.0 | 0.0 |
| 37° | 6525.2 | 6398.4 | 6001.2 | 5269.3 | 4265.6 | 3102.9 | 1952.5 | 183.3 | 4.6 | 0.0 | 0.0 |
| 38° | 6343.4 | 6160.0 | 5677.3 | 4895.0 | 3868.4 | 2728.6 | 1665.3 | 151.3 | 3.1 | 0.0 | 0.0 |
| 39° | 6033.2 | 5831.6 | 5292.3 | 4464.2 | 3478.8 | 2372.7 | 1385.7 | 131.4 | 1.5 | 0.0 | 0.0 |
| 40° | 5658.9 | 5419.1 | 4852.3 | 4002.8 | 3018.9 | 1999.9 | 1156.5 | 110.0 | 1.5 | 0.0 | 0.0 |
| 42.5° | 4268.6 | 4065.4 | 3455.9 | 2722.5 | 1845.6 | 1179.5 | 641.7 | 71.8 | 0.0 | 0.0 | 0.0 |
| 45° | 2667.5 | 2455.2 | 2042.7 | 1492.7 | 999.2 | 611.1 | 308.6 | 41.3 | 0.0 | 0.0 | 0.0 |
| 47.5° | 1089.3 | 999.2 | 822.0 | 632.5 | 452.2 | 287.2 | 128.3 | 18.3 | 0.0 | 0.0 | 0.0 |
| 50° | 374.3 | 333.1 | 279.6 | 204.7 | 145.1 | 99.3 | 67.2 | 4.6 | 0.0 | 0.0 | 0.0 |
| 52.5° | 108.5 | 110.0 | 96.3 | 82.5 | 64.2 | 45.8 | 33.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 19.9 | 16.8 | 19.9 | 18.3 | 19.9 | 16.8 | 12.2 | 0.0 | 0.0 | 1.5 | 0.0 |
| 57.5° | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 1.5 | 1.5 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 3.1 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 3.1 | 1.5 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 3.1 | 3.1 | 1.5 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 3.1 | 3.1 | 1.5 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 3.1 | 4.6 | 1.5 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 3.1 | 4.6 | 1.5 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 3.1 | 4.6 | 1.5 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 3.1 | 4.6 | 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 | 0.0 | 1.5 | 3.1 | 4.6 | 1.5 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 3.1 | 4.6 | 1.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 3.1 | 4.6 | 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° | 87.1 | 87.1 | 87.1 |
| 2.5° | 56.5 | 50.4 | 47.4 |
| 5° | 32.1 | 24.4 | 22.9 |
| 7.5° | 16.8 | 10.7 | 9.2 |
| 10° | 6.1 | 1.5 | 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)