

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: P1316732

Luminaire Tested: LDSQA3D17R309740DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316732
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: LDSQA3D17R309740DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

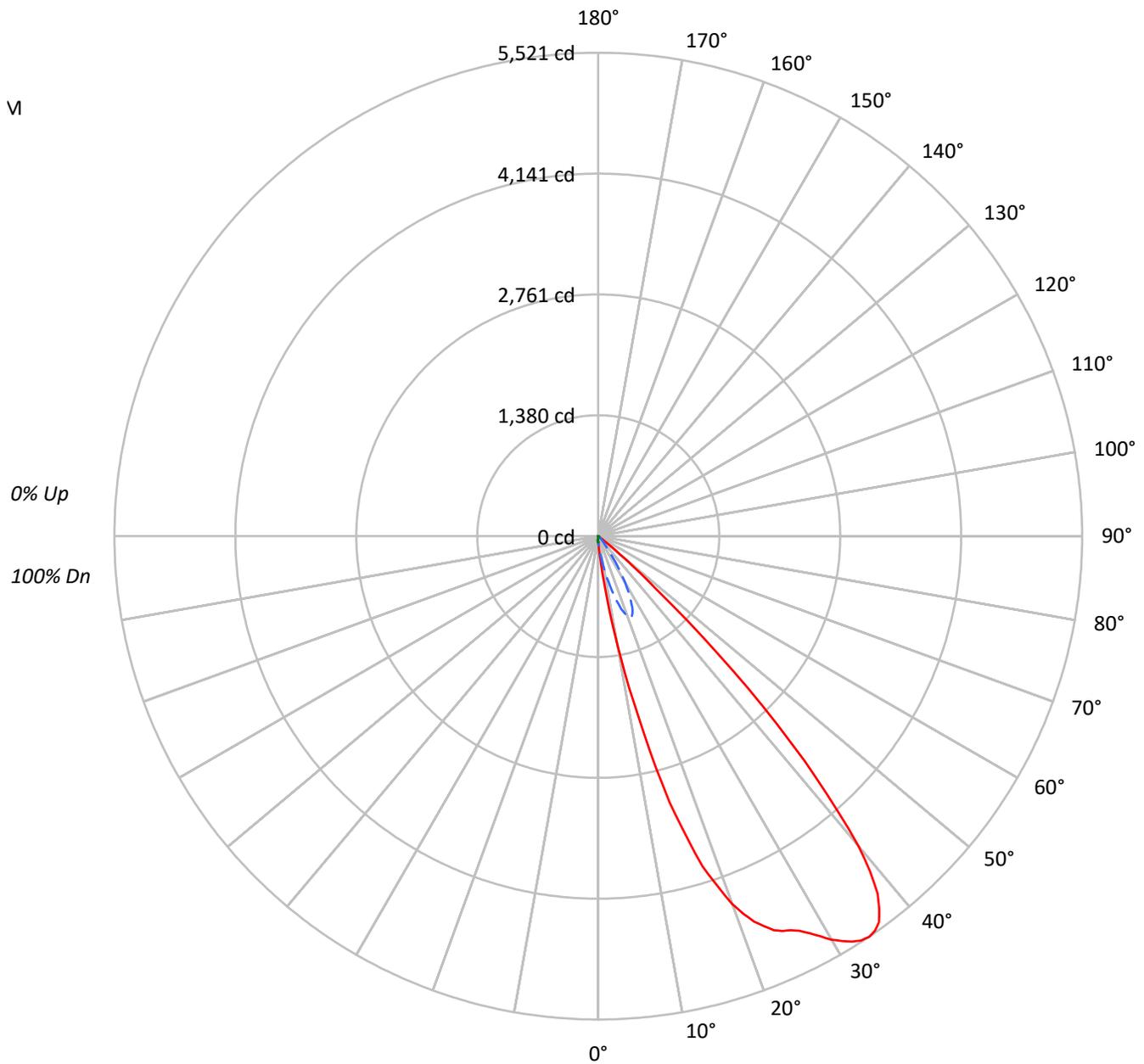
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1329.0 lumens
Efficiency: N/A
Efficacy: 62.7 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): 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 | |
| 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 | 0 |
| 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 | 98 | 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 | 75 | 71 | 78 | 74 | 70 | 76 | 73 | 69 | 68 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 70 | 65 | 74 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 61 |
| 6 | 81 | 71 | 64 | 58 | 80 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 61 | 57 | 65 | 61 | 57 | 55 |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 53 | 63 | 57 | 52 | 61 | 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 | 43 | 39 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|---------|--------|-------|-------|-------|
| 0° | 12245 | 12245 | 12245 | 12245 | 12245 |
| 5° | 44413 | 27592 | 11220 | 4529 | 3233 |
| 10° | 219858 | 66087 | 8726 | 874 | 0 |
| 15° | 560819 | 125861 | 5563 | 0 | 0 |
| 20° | 819461 | 178987 | 2291 | 0 | 0 |
| 25° | 945402 | 175623 | 475 | 0 | 0 |
| 30° | 1058064 | 120532 | 0 | 0 | 0 |
| 35° | 1157168 | 51909 | 0 | 0 | 0 |
| 40° | 1038582 | 20189 | 0 | 0 | 0 |
| 45° | 530375 | 8208 | 0 | 0 | 0 |
| 50° | 81880 | 991 | 0 | 0 | 0 |
| 55° | 4864 | 0 | 360 | 0 | 0 |
| 60° | 0 | 0 | 413 | 0 | 0 |
| 65° | 0 | 0 | 1019 | 0 | 0 |
| 70° | 0 | 604 | 1259 | 0 | 0 |
| 75° | 0 | 799 | 2462 | 0 | 0 |
| 80° | 0 | 1190 | 3670 | 0 | 0 |
| 85° | 0 | 2371 | 7311 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 530375 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 14.8 | 1.1 |
| 10°-20° | 177.1 | 13.3 |
| 20°-30° | 437.6 | 32.9 |
| 30°-40° | 503.2 | 37.9 |
| 40°-50° | 186.7 | 14.0 |
| 50°-60° | 6.8 | 0.5 |
| 60°-70° | 0.6 | 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° | 629.5 | 47.4 |
| 0°-40° | 1132.8 | 85.2 |
| 0°-60° | 1326.2 | 99.8 |
| 0°-90° | 1329.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1329.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 71 | 71 | 71 | 71 | 71 | |
| 5° | 257 | 160 | 65 | 26 | 19 | 56 |
| 15° | 3145 | 706 | 31 | 0 | 0 | 904 |
| 25° | 4975 | 924 | 2 | 0 | 0 | 2299 |
| 35° | 5504 | 247 | 0 | 0 | 0 | 3337 |
| 45° | 2178 | 34 | 0 | 0 | 0 | 1696 |
| 55° | 16 | 0 | 1 | 0 | 0 | 56 |
| 65° | 0 | 0 | 2 | 0 | 0 | 0 |
| 75° | 0 | 1 | 4 | 0 | 0 | 0 |
| 85° | 0 | 1 | 4 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|--------|
| 0° | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| 2.5° | 126.0 | 127.2 | 127.2 | 123.5 | 122.2 | 121.0 | 117.2 | 106.0 | 88.6 | 71.1 | 57.4 |
| 5° | 256.9 | 258.2 | 258.2 | 250.7 | 235.7 | 220.8 | 208.3 | 159.6 | 102.3 | 64.9 | 42.4 |
| 7.5° | 606.1 | 607.4 | 581.2 | 551.3 | 491.4 | 460.2 | 402.8 | 245.7 | 116.0 | 58.6 | 27.4 |
| 10° | 1257.2 | 1229.7 | 1161.1 | 1073.8 | 981.5 | 861.8 | 740.8 | 377.9 | 126.0 | 49.9 | 17.5 |
| 12.5° | 2101.5 | 2075.3 | 1986.8 | 1862.1 | 1681.2 | 1446.7 | 1217.3 | 531.3 | 127.2 | 39.9 | 10.0 |
| 15° | 3145.4 | 3071.8 | 2965.8 | 2758.8 | 2491.9 | 2129.0 | 1749.8 | 705.9 | 122.2 | 31.2 | 2.5 |
| 17.5° | 3954.9 | 3887.5 | 3752.8 | 3510.9 | 3179.1 | 2776.3 | 2311.1 | 871.8 | 108.5 | 20.0 | 0.0 |
| 20° | 4471.2 | 4400.1 | 4274.1 | 4060.9 | 3707.9 | 3235.2 | 2702.7 | 976.6 | 89.8 | 12.5 | 0.0 |
| 21° | 4618.4 | 4549.8 | 4426.3 | 4214.3 | 3862.6 | 3391.1 | 2798.7 | 999.0 | 81.1 | 10.0 | 0.0 |
| 22° | 4748.1 | 4694.4 | 4579.7 | 4349.0 | 3991.0 | 3505.9 | 2896.0 | 1001.5 | 74.8 | 7.5 | 0.0 |
| 23° | 4839.1 | 4800.4 | 4685.7 | 4473.7 | 4117.0 | 3599.4 | 2948.4 | 986.5 | 67.3 | 5.0 | 0.0 |
| 24° | 4926.4 | 4879.0 | 4780.5 | 4583.4 | 4216.8 | 3678.0 | 2995.8 | 959.1 | 59.9 | 3.7 | 0.0 |
| 25° | 4975.1 | 4920.2 | 4844.1 | 4659.5 | 4299.1 | 3727.9 | 3024.4 | 924.2 | 52.4 | 2.5 | 0.0 |
| 26° | 5008.7 | 4966.3 | 4882.8 | 4704.4 | 4334.0 | 3760.3 | 3028.2 | 873.0 | 47.4 | 1.2 | 0.0 |
| 27° | 5059.9 | 5017.5 | 4936.4 | 4744.3 | 4349.0 | 3755.3 | 3005.7 | 814.4 | 41.2 | 0.0 | 0.0 |
| 28° | 5137.2 | 5081.1 | 5000.0 | 4786.7 | 4355.2 | 3734.1 | 2955.8 | 750.8 | 34.9 | 0.0 | 0.0 |
| 29° | 5225.7 | 5168.4 | 5079.8 | 4842.9 | 4356.4 | 3691.7 | 2877.3 | 681.0 | 31.2 | 0.0 | 0.0 |
| 30° | 5320.5 | 5270.6 | 5180.8 | 4897.7 | 4370.2 | 3636.8 | 2786.2 | 606.1 | 24.9 | 0.0 | 0.0 |
| 31° | 5395.4 | 5350.5 | 5254.4 | 4947.6 | 4381.4 | 3589.4 | 2674.0 | 531.3 | 21.2 | 0.0 | 0.0 |
| 32° | 5460.2 | 5420.3 | 5301.8 | 4958.8 | 4358.9 | 3522.1 | 2554.3 | 459.0 | 17.5 | 0.0 | 0.0 |
| 33° | 5505.1 | 5455.2 | 5316.8 | 4930.2 | 4294.1 | 3411.1 | 2420.8 | 390.4 | 13.7 | 0.0 | 0.0 |
| 34° | 5521.3 | 5461.5 | 5294.3 | 4855.3 | 4163.1 | 3242.7 | 2247.4 | 319.3 | 11.2 | 0.0 | 0.0 |
| 35° | 5503.9 | 5430.3 | 5213.3 | 4726.9 | 3986.0 | 3041.9 | 2039.2 | 246.9 | 8.7 | 0.0 | 0.0 |
| 36° | 5447.7 | 5354.2 | 5097.3 | 4543.5 | 3732.9 | 2804.9 | 1830.9 | 192.1 | 6.2 | 0.0 | 0.0 |
| 37° | 5326.8 | 5223.2 | 4899.0 | 4301.6 | 3482.2 | 2533.1 | 1593.9 | 149.7 | 3.7 | 0.0 | 0.0 |
| 38° | 5178.3 | 5028.7 | 4634.6 | 3996.0 | 3157.9 | 2227.5 | 1359.4 | 123.5 | 2.5 | 0.0 | 0.0 |
| 39° | 4925.2 | 4760.5 | 4320.3 | 3644.3 | 2839.9 | 1936.9 | 1131.2 | 107.3 | 1.2 | 0.0 | 0.0 |
| 40° | 4619.6 | 4423.8 | 3961.1 | 3267.6 | 2464.5 | 1632.6 | 944.1 | 89.8 | 1.2 | 0.0 | 0.0 |
| 42.5° | 3484.7 | 3318.8 | 2821.2 | 2222.5 | 1506.6 | 962.8 | 523.8 | 58.6 | 0.0 | 0.0 | 0.0 |
| 45° | 2177.6 | 2004.2 | 1667.5 | 1218.5 | 815.7 | 498.9 | 251.9 | 33.7 | 0.0 | 0.0 | 0.0 |
| 47.5° | 889.2 | 815.7 | 671.0 | 516.3 | 369.2 | 234.5 | 104.8 | 15.0 | 0.0 | 0.0 | 0.0 |
| 50° | 305.6 | 271.9 | 228.2 | 167.1 | 118.5 | 81.1 | 54.9 | 3.7 | 0.0 | 0.0 | 0.0 |
| 52.5° | 88.6 | 89.8 | 78.6 | 67.3 | 52.4 | 37.4 | 27.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 16.2 | 13.7 | 16.2 | 15.0 | 16.2 | 13.7 | 10.0 | 0.0 | 0.0 | 1.2 | 0.0 |
| 57.5° | 0.0 | 0.0 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 | 1.2 | 1.2 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 2.5 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 2.5 | 1.2 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 2.5 | 2.5 | 1.2 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 2.5 | 2.5 | 1.2 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 2.5 | 3.7 | 1.2 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 2.5 | 3.7 | 1.2 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 2.5 | 3.7 | 1.2 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 2.5 | 3.7 | 1.2 |



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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 | 1.2 | 2.5 | 3.7 | 1.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 2.5 | 3.7 | 1.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 2.5 | 3.7 | 1.2 |
| 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° | 71.1 | 71.1 | 71.1 |
| 2.5° | 46.1 | 41.2 | 38.7 |
| 5° | 26.2 | 20.0 | 18.7 |
| 7.5° | 13.7 | 8.7 | 7.5 |
| 10° | 5.0 | 1.2 | 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)