

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: P1311459

Luminaire Tested: LDSQA3D13R259040DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311459
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R259040DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

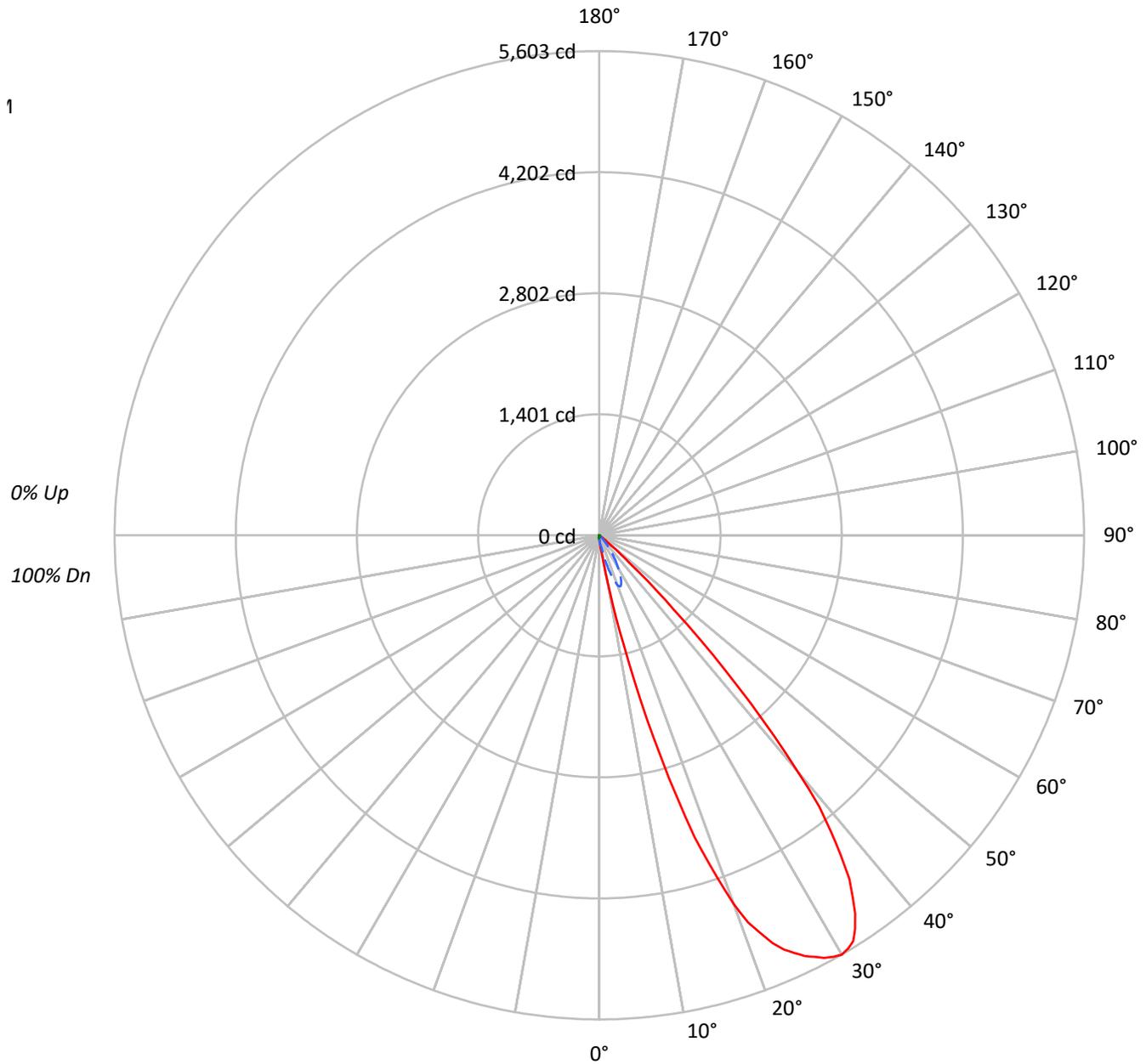
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1120.9 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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

TEST NUMBER: P1311459
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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 | 95 | 92 | 104 | 98 | 94 | 90 | 95 | 92 | 88 | 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 | 79 | 77 | 83 | 79 | 77 | 75 |
| 4 | 93 | 84 | 77 | 72 | 91 | 83 | 77 | 72 | 80 | 75 | 71 | 78 | 74 | 70 | 76 | 73 | 69 | 76 | 73 | 69 | 68 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 69 | 65 | 74 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 71 | 66 | 63 | 61 |
| 6 | 81 | 71 | 63 | 58 | 79 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 61 | 57 | 65 | 60 | 57 | 65 | 60 | 57 | 55 |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 52 | 63 | 57 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 60 | 55 | 52 | 50 |
| 8 | 71 | 60 | 52 | 48 | 70 | 59 | 52 | 47 | 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 | 42 | 51 | 46 | 42 | 41 |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 48 | 42 | 39 | 48 | 42 | 39 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|---------|--------|------|------|------|
| 0° | 8284 | 8284 | 8284 | 8284 | 8284 |
| 5° | 20798 | 15369 | 7780 | 3976 | 3077 |
| 10° | 90902 | 26162 | 6401 | 1836 | 1277 |
| 15° | 432266 | 70499 | 4475 | 749 | 553 |
| 20° | 832126 | 112898 | 2877 | 183 | 183 |
| 25° | 1013431 | 113883 | 1596 | 0 | 0 |
| 30° | 1114224 | 87143 | 616 | 0 | 0 |
| 35° | 1073763 | 55421 | 210 | 0 | 0 |
| 40° | 802295 | 23988 | 0 | 0 | 225 |
| 45° | 297021 | 6357 | 244 | 244 | 755 |
| 50° | 35019 | 831 | 563 | 563 | 1125 |
| 55° | 3453 | 0 | 631 | 931 | 1561 |
| 60° | 344 | 0 | 1068 | 1447 | 1791 |
| 65° | 408 | 408 | 1712 | 2119 | 2567 |
| 70° | 504 | 504 | 2115 | 2115 | 3172 |
| 75° | 665 | 665 | 2063 | 2063 | 2795 |
| 80° | 0 | 992 | 3075 | 2083 | 3075 |
| 85° | 0 | 1976 | 6126 | 1976 | 1976 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 297021 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 7.0 | 0.6 |
| 10°-20° | 130.7 | 11.7 |
| 20°-30° | 410.2 | 36.6 |
| 30°-40° | 431.8 | 38.5 |
| 40°-50° | 126.9 | 11.3 |
| 50°-60° | 6.8 | 0.6 |
| 60°-70° | 3.3 | 0.3 |
| 70°-80° | 2.8 | 0.3 |
| 80°-90° | 1.5 | 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° | 547.9 | 48.9 |
| 0°-40° | 979.7 | 87.4 |
| 0°-60° | 1113.4 | 99.3 |
| 0°-90° | 1120.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1120.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 48 | 48 | 48 | 48 | 48 | |
| 5° | 120 | 89 | 45 | 23 | 18 | 21 |
| 15° | 2424 | 395 | 25 | 4 | 3 | 764 |
| 25° | 5333 | 599 | 8 | 0 | 0 | 2446 |
| 35° | 5107 | 264 | 1 | 0 | 0 | 3082 |
| 45° | 1220 | 26 | 1 | 1 | 3 | 1108 |
| 55° | 12 | 0 | 2 | 3 | 5 | 29 |
| 65° | 1 | 1 | 4 | 5 | 6 | 1 |
| 75° | 1 | 1 | 3 | 3 | 4 | 1 |
| 85° | 0 | 1 | 3 | 1 | 1 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1311459

CATALOG NUMBER: LDSQA3D13R259040DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|--------|
| 0° | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 |
| 2.5° | 74.3 | 75.3 | 72.2 | 74.3 | 72.2 | 71.1 | 70.1 | 64.8 | 56.5 | 48.1 | 39.7 |
| 5° | 120.3 | 120.3 | 115.0 | 114.0 | 111.9 | 107.7 | 103.5 | 88.9 | 63.8 | 45.0 | 31.4 |
| 7.5° | 188.3 | 187.2 | 185.1 | 179.9 | 169.4 | 159.0 | 148.5 | 116.1 | 70.1 | 41.8 | 24.1 |
| 10° | 519.8 | 512.5 | 503.1 | 446.6 | 382.8 | 326.3 | 277.2 | 149.6 | 75.3 | 36.6 | 17.8 |
| 12.5° | 1291.7 | 1249.9 | 1150.5 | 1037.5 | 893.2 | 741.5 | 593.0 | 243.7 | 77.4 | 30.3 | 12.6 |
| 15° | 2424.4 | 2337.6 | 2182.8 | 1956.9 | 1661.9 | 1330.4 | 1048.0 | 395.4 | 75.3 | 25.1 | 9.4 |
| 17.5° | 3660.7 | 3577.0 | 3362.6 | 3019.5 | 2585.5 | 2076.1 | 1576.2 | 524.0 | 70.1 | 20.9 | 6.3 |
| 20° | 4540.3 | 4451.4 | 4250.6 | 3886.6 | 3417.0 | 2738.2 | 2075.1 | 616.0 | 65.9 | 15.7 | 3.1 |
| 21° | 4797.6 | 4708.7 | 4496.4 | 4144.9 | 3651.3 | 2970.4 | 2235.1 | 631.7 | 62.8 | 13.6 | 2.1 |
| 22° | 4960.7 | 4908.4 | 4680.4 | 4339.5 | 3836.4 | 3156.5 | 2372.1 | 639.0 | 60.7 | 12.6 | 2.1 |
| 23° | 5124.9 | 5046.5 | 4833.1 | 4473.3 | 3977.6 | 3294.6 | 2473.6 | 633.8 | 58.6 | 10.5 | 1.0 |
| 24° | 5246.3 | 5180.4 | 4932.5 | 4576.9 | 4075.9 | 3379.3 | 2533.2 | 620.2 | 55.4 | 9.4 | 1.0 |
| 25° | 5333.1 | 5272.4 | 5014.1 | 4647.0 | 4141.8 | 3425.3 | 2552.0 | 599.3 | 52.3 | 8.4 | 1.0 |
| 26° | 5415.7 | 5349.8 | 5082.1 | 4687.8 | 4176.3 | 3440.0 | 2534.2 | 576.3 | 49.2 | 7.3 | 0.0 |
| 27° | 5475.3 | 5408.4 | 5129.1 | 4711.8 | 4178.4 | 3422.2 | 2486.1 | 544.9 | 46.0 | 6.3 | 0.0 |
| 28° | 5539.1 | 5461.7 | 5161.6 | 4725.4 | 4165.8 | 3380.4 | 2417.1 | 511.4 | 43.9 | 5.2 | 0.0 |
| 29° | 5577.8 | 5504.6 | 5195.0 | 4740.1 | 4139.7 | 3310.3 | 2316.7 | 471.7 | 38.7 | 3.1 | 0.0 |
| 30° | 5602.9 | 5516.1 | 5191.9 | 4724.4 | 4105.2 | 3235.0 | 2196.4 | 438.2 | 33.5 | 3.1 | 0.0 |
| 31° | 5582.0 | 5491.0 | 5158.4 | 4680.4 | 4049.8 | 3136.7 | 2073.0 | 396.4 | 27.2 | 2.1 | 0.0 |
| 32° | 5537.0 | 5429.3 | 5099.8 | 4604.1 | 3950.4 | 3010.1 | 1945.4 | 361.9 | 19.9 | 2.1 | 0.0 |
| 33° | 5427.2 | 5336.2 | 4994.2 | 4501.6 | 3820.7 | 2838.6 | 1779.1 | 328.4 | 13.6 | 1.0 | 0.0 |
| 34° | 5289.2 | 5198.2 | 4849.9 | 4364.6 | 3647.1 | 2616.9 | 1577.2 | 293.9 | 11.5 | 1.0 | 0.0 |
| 35° | 5107.2 | 5017.2 | 4686.7 | 4173.2 | 3417.0 | 2350.2 | 1369.1 | 263.6 | 9.4 | 1.0 | 0.0 |
| 36° | 4915.8 | 4796.5 | 4480.7 | 3969.2 | 3108.4 | 2046.8 | 1146.3 | 229.1 | 7.3 | 1.0 | 0.0 |
| 37° | 4634.4 | 4553.9 | 4203.5 | 3658.6 | 2774.8 | 1756.1 | 984.2 | 197.7 | 5.2 | 1.0 | 0.0 |
| 38° | 4342.6 | 4268.3 | 3926.3 | 3345.9 | 2402.4 | 1468.5 | 824.2 | 167.3 | 4.2 | 0.0 | 0.0 |
| 39° | 4041.4 | 3918.0 | 3580.1 | 2945.3 | 2012.3 | 1230.0 | 693.4 | 140.2 | 2.1 | 0.0 | 0.0 |
| 40° | 3568.6 | 3474.5 | 3113.7 | 2464.2 | 1665.1 | 996.7 | 590.9 | 106.7 | 2.1 | 0.0 | 0.0 |
| 42.5° | 2365.8 | 2278.0 | 1899.4 | 1336.7 | 884.8 | 582.6 | 390.1 | 41.8 | 0.0 | 1.0 | 0.0 |
| 45° | 1219.5 | 1164.1 | 945.5 | 699.7 | 502.0 | 357.7 | 251.0 | 26.1 | 0.0 | 1.0 | 1.0 |
| 47.5° | 484.3 | 474.8 | 428.8 | 370.3 | 285.5 | 212.3 | 137.0 | 11.5 | 0.0 | 1.0 | 1.0 |
| 50° | 130.7 | 131.8 | 123.4 | 114.0 | 103.5 | 97.3 | 57.5 | 3.1 | 0.0 | 2.1 | 1.0 |
| 52.5° | 55.4 | 56.5 | 54.4 | 51.2 | 46.0 | 34.5 | 23.0 | 1.0 | 1.0 | 2.1 | 2.1 |
| 55° | 11.5 | 12.6 | 13.6 | 14.6 | 16.7 | 14.6 | 9.4 | 0.0 | 1.0 | 2.1 | 2.1 |
| 57.5° | 2.1 | 2.1 | 2.1 | 2.1 | 3.1 | 3.1 | 2.1 | 0.0 | 1.0 | 2.1 | 3.1 |
| 60° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 2.1 | 3.1 | 3.1 |
| 62.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.1 | 3.1 | 4.2 |
| 65° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.1 | 4.2 | 4.2 |
| 67.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.1 | 4.2 | 4.2 |
| 70° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.1 | 4.2 | 4.2 |
| 72.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.1 | 4.2 | 3.1 |
| 75° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.1 | 3.1 | 3.1 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 2.1 | 3.1 | 3.1 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 2.1 | 3.1 | 2.1 |



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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 | 1.0 | 1.0 | 2.1 | 3.1 | 2.1 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 2.1 | 3.1 | 2.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 2.1 | 3.1 | 2.1 |
| 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: P1311459
 CATALOG NUMBER: LDSQA3D13R259040DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

| | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0° | 48.1 | 48.1 | 48.1 |
| 2.5° | 33.5 | 30.3 | 29.3 |
| 5° | 23.0 | 19.9 | 17.8 |
| 7.5° | 15.7 | 12.6 | 11.5 |
| 10° | 10.5 | 8.4 | 7.3 |
| 12.5° | 7.3 | 4.2 | 4.2 |
| 15° | 4.2 | 3.1 | 3.1 |
| 17.5° | 2.1 | 1.0 | 1.0 |
| 20° | 1.0 | 1.0 | 1.0 |
| 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 | 1.0 |
| 39° | 0.0 | 1.0 | 1.0 |
| 40° | 0.0 | 1.0 | 1.0 |
| 42.5° | 0.0 | 1.0 | 2.1 |
| 45° | 1.0 | 2.1 | 3.1 |
| 47.5° | 2.1 | 3.1 | 4.2 |
| 50° | 2.1 | 4.2 | 4.2 |
| 52.5° | 3.1 | 4.2 | 5.2 |
| 55° | 3.1 | 5.2 | 5.2 |
| 57.5° | 4.2 | 5.2 | 6.3 |
| 60° | 4.2 | 5.2 | 5.2 |
| 62.5° | 4.2 | 6.3 | 6.3 |
| 65° | 5.2 | 6.3 | 6.3 |
| 67.5° | 5.2 | 6.3 | 6.3 |
| 70° | 4.2 | 5.2 | 6.3 |
| 72.5° | 4.2 | 5.2 | 5.2 |
| 75° | 3.1 | 4.2 | 4.2 |
| 77.5° | 3.1 | 3.1 | 4.2 |
| 80° | 2.1 | 3.1 | 3.1 |



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CANDELA DISTRIBUTION (continued):

| | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 2.1 | 2.1 | 2.1 |
| 85° | 1.0 | 1.0 | 1.0 |
| 87.5° | 1.0 | 1.0 | 1.0 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)