

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: P1320581

Luminaire Tested: LDSQA3D02R20B2750DE010 3LSQCA30R 1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320581
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-60)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R20B2750DE010 3LSQCA30R 1MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

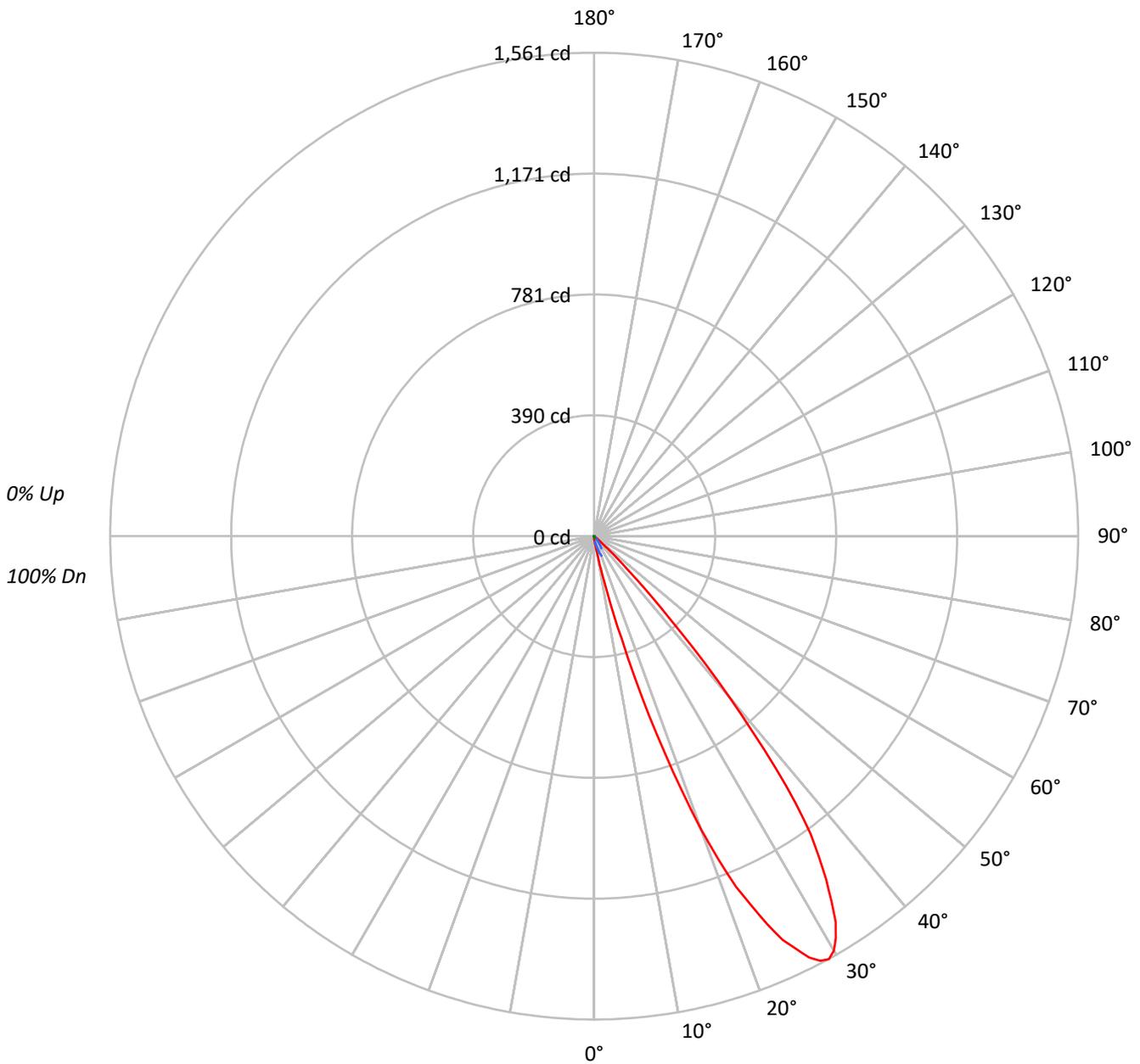
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 219.0 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Spacing Criteria (0/90/45): 2.29 / 0.53 / 1.19
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 2.9
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: P1320581
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Luminous Intensity Polar Plot



— 0°-180° - - - 45°-225° ····· 90°-270°



TEST NUMBER: P1320581

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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 | 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 | 99 | 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 | 76 | 71 | 79 | 74 | 71 | 77 | 73 | 70 | 68 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 70 | 65 | 74 | 69 | 64 | 72 | 68 | 64 | 71 | 67 | 63 | 61 |
| 6 | 81 | 71 | 64 | 59 | 80 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 62 | 58 | 65 | 61 | 57 | 55 |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 53 | 63 | 57 | 52 | 62 | 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 | 42 | 39 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0° | 1309 | 1309 | 1309 | 1309 | 1309 |
| 5° | 2991 | 2230 | 1245 | 761 | 657 |
| 10° | 9409 | 3900 | 1014 | 420 | 315 |
| 15° | 60996 | 7185 | 749 | 143 | 36 |
| 20° | 184119 | 12316 | 513 | 0 | 0 |
| 25° | 273429 | 12428 | 304 | 0 | 0 |
| 30° | 307486 | 9446 | 119 | 0 | 0 |
| 35° | 265287 | 5635 | 84 | 0 | 0 |
| 40° | 152766 | 1911 | 0 | 0 | 0 |
| 45° | 37265 | 779 | 49 | 0 | 49 |
| 50° | 4474 | 214 | 54 | 54 | 161 |
| 55° | 601 | 0 | 120 | 120 | 240 |
| 60° | 69 | 0 | 207 | 207 | 344 |
| 65° | 82 | 82 | 326 | 326 | 489 |
| 70° | 101 | 101 | 403 | 403 | 504 |
| 75° | 0 | 133 | 532 | 399 | 532 |
| 80° | 0 | 198 | 595 | 397 | 595 |
| 85° | 0 | 395 | 1186 | 395 | 395 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°
 Vertical Angle: 45°
 Luminance: 37508 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 1.0 | 0.5 |
| 10°-20° | 20.3 | 9.3 |
| 20°-30° | 88.5 | 40.4 |
| 30°-40° | 89.1 | 40.7 |
| 40°-50° | 17.9 | 8.2 |
| 50°-60° | 0.9 | 0.4 |
| 60°-70° | 0.6 | 0.3 |
| 70°-80° | 0.5 | 0.2 |
| 80°-90° | 0.3 | 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° | 109.8 | 50.1 |
| 0°-40° | 198.9 | 90.8 |
| 0°-60° | 217.6 | 99.4 |
| 0°-90° | 219.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 219.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 8 | 8 | 8 | 8 | 8 | |
| 5° | 17 | 13 | 7 | 4 | 4 | 3 |
| 15° | 342 | 40 | 4 | 1 | 0 | 134 |
| 25° | 1439 | 65 | 2 | 0 | 0 | 649 |
| 35° | 1262 | 27 | 0 | 0 | 0 | 751 |
| 45° | 153 | 3 | 0 | 0 | 0 | 167 |
| 55° | 2 | 0 | 0 | 0 | 1 | 4 |
| 65° | 0 | 0 | 1 | 1 | 1 | 0 |
| 75° | 0 | 0 | 1 | 1 | 1 | 0 |
| 85° | 0 | 0 | 1 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1320581

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CANDELA DISTRIBUTION (FULL):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|
| 0° | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| 2.5° | 11.3 | 11.3 | 11.1 | 11.1 | 10.9 | 11.1 | 10.7 | 10.9 | 10.9 | 10.7 | 9.7 |
| 5° | 17.3 | 17.7 | 17.5 | 17.5 | 17.3 | 17.5 | 17.1 | 16.7 | 16.3 | 16.3 | 12.9 |
| 7.5° | 28.4 | 28.2 | 27.8 | 28.0 | 27.4 | 27.0 | 26.6 | 26.4 | 25.2 | 24.6 | 16.9 |
| 10° | 53.8 | 55.0 | 54.0 | 53.8 | 50.3 | 50.1 | 47.7 | 44.3 | 41.3 | 39.7 | 22.3 |
| 12.5° | 148.2 | 154.6 | 144.6 | 139.9 | 137.1 | 126.4 | 121.8 | 110.1 | 98.7 | 90.2 | 28.2 |
| 15° | 342.1 | 357.8 | 337.8 | 339.2 | 322.5 | 291.9 | 265.0 | 242.0 | 214.8 | 187.4 | 40.3 |
| 17.5° | 670.4 | 657.6 | 646.7 | 628.2 | 594.3 | 549.4 | 491.5 | 432.9 | 382.3 | 329.2 | 56.2 |
| 20° | 1004.6 | 993.2 | 968.4 | 928.1 | 884.7 | 818.2 | 749.4 | 661.4 | 576.2 | 496.3 | 67.2 |
| 21° | 1119.6 | 1115.8 | 1075.1 | 1050.2 | 983.5 | 919.9 | 840.6 | 746.5 | 650.5 | 555.9 | 68.9 |
| 22° | 1222.3 | 1199.7 | 1177.8 | 1141.0 | 1074.7 | 1005.5 | 917.3 | 818.2 | 714.1 | 609.0 | 69.1 |
| 23° | 1293.4 | 1283.1 | 1262.4 | 1220.9 | 1155.0 | 1073.7 | 980.7 | 877.0 | 767.3 | 646.5 | 68.5 |
| 24° | 1372.1 | 1359.0 | 1328.8 | 1280.3 | 1213.8 | 1133.5 | 1027.4 | 924.5 | 805.3 | 678.1 | 67.0 |
| 25° | 1438.9 | 1418.4 | 1382.6 | 1330.4 | 1257.7 | 1174.8 | 1068.1 | 955.1 | 831.7 | 699.4 | 65.4 |
| 26° | 1482.2 | 1471.1 | 1425.2 | 1368.3 | 1290.5 | 1205.0 | 1096.1 | 978.5 | 848.8 | 709.1 | 62.8 |
| 27° | 1527.3 | 1506.8 | 1461.7 | 1396.4 | 1311.9 | 1224.7 | 1112.0 | 989.8 | 854.7 | 709.5 | 59.6 |
| 28° | 1553.1 | 1530.9 | 1479.8 | 1411.1 | 1325.8 | 1235.6 | 1121.2 | 993.4 | 853.6 | 703.3 | 55.8 |
| 29° | 1561.3 | 1533.3 | 1483.4 | 1413.4 | 1329.2 | 1236.4 | 1119.8 | 988.3 | 843.0 | 688.2 | 51.5 |
| 30° | 1546.2 | 1517.6 | 1470.3 | 1402.1 | 1318.5 | 1226.5 | 1106.9 | 971.2 | 824.3 | 666.6 | 47.5 |
| 31° | 1513.2 | 1488.9 | 1443.2 | 1374.9 | 1294.6 | 1203.2 | 1077.7 | 943.2 | 792.6 | 637.6 | 42.9 |
| 32° | 1469.7 | 1445.8 | 1400.9 | 1339.1 | 1257.5 | 1165.3 | 1037.7 | 899.4 | 755.2 | 594.3 | 38.3 |
| 33° | 1404.3 | 1390.6 | 1350.3 | 1291.3 | 1209.6 | 1111.0 | 984.1 | 847.2 | 702.0 | 546.2 | 34.4 |
| 34° | 1338.1 | 1320.9 | 1292.6 | 1228.1 | 1140.3 | 1041.9 | 914.1 | 775.1 | 637.0 | 492.3 | 30.6 |
| 35° | 1261.8 | 1251.5 | 1207.2 | 1155.6 | 1067.3 | 966.8 | 839.8 | 704.9 | 561.3 | 432.3 | 26.8 |
| 36° | 1187.9 | 1172.0 | 1121.6 | 1066.9 | 981.3 | 872.6 | 747.3 | 620.5 | 495.9 | 376.1 | 22.8 |
| 37° | 1080.6 | 1056.4 | 1020.4 | 962.8 | 862.7 | 770.1 | 655.7 | 538.0 | 415.5 | 315.3 | 18.5 |
| 38° | 954.5 | 943.2 | 893.3 | 835.3 | 752.4 | 664.6 | 551.4 | 451.6 | 342.7 | 263.3 | 14.1 |
| 39° | 805.7 | 805.5 | 757.8 | 715.9 | 634.8 | 555.7 | 453.6 | 366.6 | 282.9 | 212.0 | 10.9 |
| 40° | 679.5 | 656.1 | 626.7 | 574.0 | 511.8 | 444.7 | 355.2 | 286.9 | 219.5 | 170.9 | 8.5 |
| 42.5° | 356.2 | 354.3 | 337.0 | 297.4 | 262.7 | 223.1 | 177.4 | 147.8 | 115.6 | 94.2 | 5.4 |
| 45° | 153.0 | 154.0 | 142.1 | 136.1 | 122.6 | 106.1 | 89.6 | 74.7 | 64.0 | 51.9 | 3.2 |
| 47.5° | 38.7 | 37.2 | 36.8 | 38.1 | 38.1 | 37.0 | 33.2 | 31.2 | 28.8 | 26.4 | 1.8 |
| 50° | 16.7 | 16.3 | 15.9 | 15.9 | 14.9 | 14.3 | 13.3 | 12.1 | 11.1 | 9.9 | 0.8 |
| 52.5° | 6.2 | 6.4 | 6.6 | 6.4 | 6.4 | 6.2 | 6.2 | 6.0 | 5.4 | 4.8 | 0.4 |
| 55° | 2.0 | 2.0 | 2.0 | 2.2 | 2.2 | 2.4 | 2.4 | 2.4 | 2.4 | 2.2 | 0.0 |
| 57.5° | 0.4 | 0.4 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.8 | 0.8 | 0.0 |
| 60° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 65° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 67.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 70° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 72.5° | 0.2 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 75° | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.2 | 0.0 | 0.2 | 0.2 | 0.2 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| 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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CATALOG NUMBER: LDSQA3D02R20B2750DE010 3LSQCA30R 1MW_3000K

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 0° | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| 2.5° | 8.7 | 7.7 | 6.6 | 5.6 | 5.4 | 5.2 |
| 5° | 9.7 | 7.2 | 5.4 | 4.4 | 4.0 | 3.8 |
| 7.5° | 10.5 | 6.6 | 4.4 | 3.2 | 2.8 | 2.6 |
| 10° | 10.9 | 5.8 | 3.6 | 2.4 | 1.8 | 1.8 |
| 12.5° | 11.1 | 5.0 | 2.6 | 1.6 | 1.0 | 1.0 |
| 15° | 10.9 | 4.2 | 2.0 | 0.8 | 0.2 | 0.2 |
| 17.5° | 9.9 | 3.4 | 1.2 | 0.2 | 0.0 | 0.0 |
| 20° | 8.5 | 2.8 | 0.8 | 0.0 | 0.0 | 0.0 |
| 21° | 8.1 | 2.4 | 0.6 | 0.0 | 0.0 | 0.0 |
| 22° | 7.6 | 2.2 | 0.4 | 0.0 | 0.0 | 0.0 |
| 23° | 7.0 | 2.0 | 0.4 | 0.0 | 0.0 | 0.0 |
| 24° | 6.4 | 1.8 | 0.2 | 0.0 | 0.0 | 0.0 |
| 25° | 6.0 | 1.6 | 0.2 | 0.0 | 0.0 | 0.0 |
| 26° | 5.6 | 1.4 | 0.2 | 0.0 | 0.0 | 0.0 |
| 27° | 5.0 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 28° | 4.6 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 29° | 4.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 3.4 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 31° | 2.8 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32° | 2.4 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 33° | 2.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 34° | 1.8 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 1.6 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 36° | 1.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37° | 1.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 38° | 0.8 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 39° | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.2 | 0.0 | 0.0 | 0.2 | 0.2 |
| 47.5° | 0.0 | 0.2 | 0.0 | 0.0 | 0.2 | 0.4 |
| 50° | 0.0 | 0.2 | 0.2 | 0.2 | 0.4 | 0.6 |
| 52.5° | 0.0 | 0.4 | 0.2 | 0.2 | 0.6 | 0.6 |
| 55° | 0.2 | 0.4 | 0.2 | 0.4 | 0.8 | 0.8 |
| 57.5° | 0.2 | 0.4 | 0.4 | 0.6 | 0.8 | 1.0 |
| 60° | 0.4 | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 |
| 62.5° | 0.4 | 0.6 | 0.8 | 0.8 | 1.0 | 1.2 |
| 65° | 0.4 | 0.8 | 0.8 | 0.8 | 1.0 | 1.2 |
| 67.5° | 0.6 | 0.8 | 0.8 | 0.8 | 1.0 | 1.2 |
| 70° | 0.6 | 0.8 | 0.8 | 0.8 | 1.0 | 1.0 |
| 72.5° | 0.6 | 0.8 | 0.6 | 0.8 | 0.8 | 1.0 |
| 75° | 0.6 | 0.8 | 0.6 | 0.6 | 0.8 | 0.8 |
| 77.5° | 0.4 | 0.6 | 0.6 | 0.4 | 0.6 | 0.6 |
| 80° | 0.4 | 0.6 | 0.4 | 0.4 | 0.6 | 0.6 |



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CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 82.5° | 0.4 | 0.6 | 0.4 | 0.2 | 0.4 | 0.4 |
| 85° | 0.4 | 0.6 | 0.4 | 0.2 | 0.2 | 0.2 |
| 87.5° | 0.4 | 0.6 | 0.4 | 0.2 | 0.0 | 0.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)