

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: P1323443

Luminaire Tested: LDSQA3D02R259030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323443
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: LDSQA3D02R259030D2WDE010 3LSQCA30R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

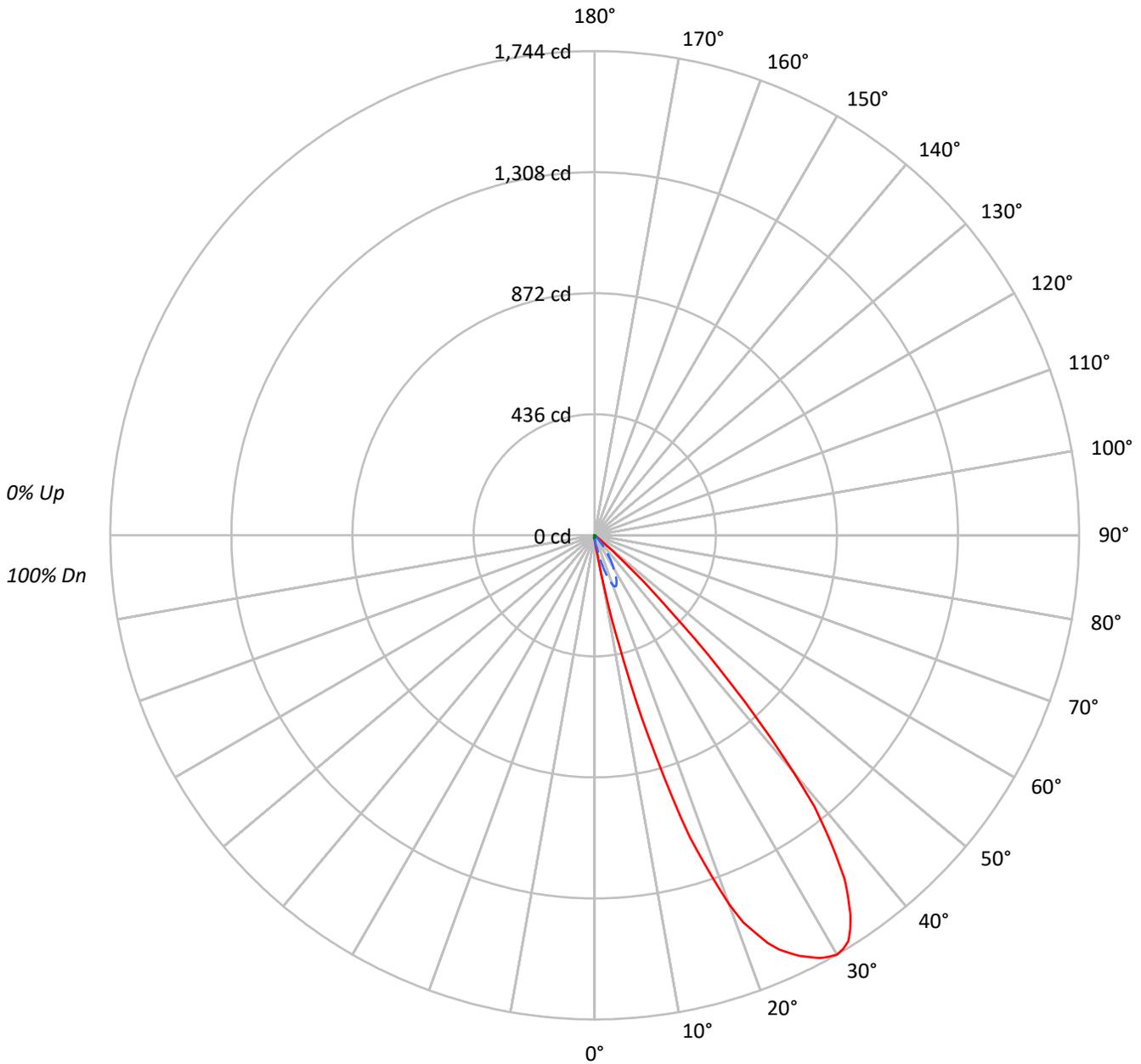
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 349.0 lumens
Efficiency: N/A
Efficacy: 48.5 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): 7.2
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 | 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 | 103 | 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° | 2583 | 2583 | 2583 | 2583 | 2583 |
| 5° | 6466 | 4789 | 2420 | 1245 | 951 |
| 10° | 28295 | 8149 | 1994 | 577 | 402 |
| 15° | 134579 | 21948 | 1391 | 232 | 178 |
| 20° | 259060 | 35152 | 898 | 55 | 55 |
| 25° | 315501 | 35459 | 494 | 0 | 0 |
| 30° | 346901 | 27125 | 199 | 0 | 0 |
| 35° | 334290 | 17261 | 63 | 0 | 0 |
| 40° | 249776 | 7464 | 0 | 0 | 67 |
| 45° | 92480 | 1973 | 73 | 73 | 244 |
| 50° | 10905 | 268 | 188 | 188 | 348 |
| 55° | 1081 | 0 | 210 | 300 | 480 |
| 60° | 103 | 0 | 344 | 448 | 551 |
| 65° | 122 | 122 | 530 | 652 | 815 |
| 70° | 151 | 151 | 655 | 655 | 1007 |
| 75° | 200 | 200 | 665 | 665 | 865 |
| 80° | 0 | 298 | 992 | 694 | 992 |
| 85° | 0 | 593 | 1976 | 593 | 593 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 92480 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 2.2 | 0.6 |
| 10°-20° | 40.7 | 11.7 |
| 20°-30° | 127.7 | 36.6 |
| 30°-40° | 134.4 | 38.5 |
| 40°-50° | 39.5 | 11.3 |
| 50°-60° | 2.1 | 0.6 |
| 60°-70° | 1.0 | 0.3 |
| 70°-80° | 0.9 | 0.3 |
| 80°-90° | 0.5 | 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° | 170.6 | 48.9 |
| 0°-40° | 305.0 | 87.4 |
| 0°-60° | 346.6 | 99.3 |
| 0°-90° | 349.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 349.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 15 | 15 | 15 | 15 | 15 | |
| 5° | 37 | 28 | 14 | 7 | 6 | 7 |
| 15° | 755 | 123 | 8 | 1 | 1 | 238 |
| 25° | 1660 | 187 | 3 | 0 | 0 | 762 |
| 35° | 1590 | 82 | 0 | 0 | 0 | 959 |
| 45° | 380 | 8 | 0 | 0 | 1 | 345 |
| 55° | 4 | 0 | 1 | 1 | 2 | 9 |
| 65° | 0 | 0 | 1 | 2 | 2 | 0 |
| 75° | 0 | 0 | 1 | 1 | 1 | 0 |
| 85° | 0 | 0 | 1 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1323443

CATALOG NUMBER: LDSQA3D02R259030D2WDE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|--------|
| 0° | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 |
| 2.5° | 23.1 | 23.4 | 22.5 | 23.1 | 22.5 | 22.1 | 21.8 | 20.2 | 17.6 | 15.0 | 12.4 |
| 5° | 37.4 | 37.4 | 35.8 | 35.5 | 34.8 | 33.5 | 32.2 | 27.7 | 19.9 | 14.0 | 9.8 |
| 7.5° | 58.6 | 58.3 | 57.6 | 56.0 | 52.8 | 49.5 | 46.2 | 36.1 | 21.8 | 13.0 | 7.5 |
| 10° | 161.8 | 159.6 | 156.6 | 139.0 | 119.2 | 101.6 | 86.3 | 46.6 | 23.4 | 11.4 | 5.5 |
| 12.5° | 402.1 | 389.1 | 358.2 | 323.0 | 278.1 | 230.9 | 184.6 | 75.9 | 24.1 | 9.4 | 3.9 |
| 15° | 754.8 | 727.8 | 679.6 | 609.2 | 517.4 | 414.2 | 326.3 | 123.1 | 23.4 | 7.8 | 2.9 |
| 17.5° | 1139.7 | 1113.6 | 1046.9 | 940.1 | 804.9 | 646.4 | 490.7 | 163.1 | 21.8 | 6.5 | 2.0 |
| 20° | 1413.5 | 1385.8 | 1323.3 | 1210.0 | 1063.8 | 852.5 | 646.0 | 191.8 | 20.5 | 4.9 | 1.0 |
| 21° | 1493.6 | 1465.9 | 1399.8 | 1290.4 | 1136.7 | 924.8 | 695.9 | 196.7 | 19.5 | 4.2 | 0.7 |
| 22° | 1544.4 | 1528.1 | 1457.2 | 1351.0 | 1194.4 | 982.7 | 738.5 | 199.0 | 18.9 | 3.9 | 0.7 |
| 23° | 1595.5 | 1571.1 | 1504.7 | 1392.7 | 1238.3 | 1025.7 | 770.1 | 197.3 | 18.2 | 3.3 | 0.3 |
| 24° | 1633.3 | 1612.8 | 1535.6 | 1424.9 | 1268.9 | 1052.1 | 788.7 | 193.1 | 17.3 | 2.9 | 0.3 |
| 25° | 1660.3 | 1641.5 | 1561.0 | 1446.7 | 1289.5 | 1066.4 | 794.5 | 186.6 | 16.3 | 2.6 | 0.3 |
| 26° | 1686.1 | 1665.6 | 1582.2 | 1459.4 | 1300.2 | 1071.0 | 789.0 | 179.4 | 15.3 | 2.3 | 0.0 |
| 27° | 1704.6 | 1683.8 | 1596.8 | 1466.9 | 1300.9 | 1065.4 | 774.0 | 169.6 | 14.3 | 2.0 | 0.0 |
| 28° | 1724.5 | 1700.4 | 1606.9 | 1471.2 | 1297.0 | 1052.4 | 752.5 | 159.2 | 13.7 | 1.6 | 0.0 |
| 29° | 1736.5 | 1713.7 | 1617.4 | 1475.7 | 1288.8 | 1030.6 | 721.3 | 146.9 | 12.0 | 1.0 | 0.0 |
| 30° | 1744.4 | 1717.3 | 1616.4 | 1470.8 | 1278.1 | 1007.1 | 683.8 | 136.4 | 10.4 | 1.0 | 0.0 |
| 31° | 1737.8 | 1709.5 | 1606.0 | 1457.2 | 1260.8 | 976.5 | 645.4 | 123.4 | 8.5 | 0.7 | 0.0 |
| 32° | 1723.8 | 1690.3 | 1587.7 | 1433.4 | 1229.9 | 937.1 | 605.7 | 112.7 | 6.2 | 0.7 | 0.0 |
| 33° | 1689.6 | 1661.3 | 1554.8 | 1401.5 | 1189.5 | 883.7 | 553.9 | 102.2 | 4.2 | 0.3 | 0.0 |
| 34° | 1646.7 | 1618.3 | 1509.9 | 1358.8 | 1135.4 | 814.7 | 491.0 | 91.5 | 3.6 | 0.3 | 0.0 |
| 35° | 1590.0 | 1562.0 | 1459.1 | 1299.2 | 1063.8 | 731.7 | 426.2 | 82.1 | 2.9 | 0.3 | 0.0 |
| 36° | 1530.4 | 1493.3 | 1395.0 | 1235.7 | 967.7 | 637.2 | 356.9 | 71.3 | 2.3 | 0.3 | 0.0 |
| 37° | 1442.8 | 1417.8 | 1308.7 | 1139.0 | 863.9 | 546.7 | 306.4 | 61.5 | 1.6 | 0.3 | 0.0 |
| 38° | 1352.0 | 1328.9 | 1222.4 | 1041.7 | 748.0 | 457.2 | 256.6 | 52.1 | 1.3 | 0.0 | 0.0 |
| 39° | 1258.2 | 1219.8 | 1114.6 | 916.9 | 626.5 | 382.9 | 215.9 | 43.6 | 0.7 | 0.0 | 0.0 |
| 40° | 1111.0 | 1081.7 | 969.4 | 767.2 | 518.4 | 310.3 | 184.0 | 33.2 | 0.7 | 0.0 | 0.0 |
| 42.5° | 736.6 | 709.2 | 591.3 | 416.1 | 275.5 | 181.4 | 121.5 | 13.0 | 0.0 | 0.3 | 0.0 |
| 45° | 379.7 | 362.4 | 294.4 | 217.8 | 156.3 | 111.4 | 78.1 | 8.1 | 0.0 | 0.3 | 0.3 |
| 47.5° | 150.8 | 147.8 | 133.5 | 115.3 | 88.9 | 66.1 | 42.7 | 3.6 | 0.0 | 0.3 | 0.3 |
| 50° | 40.7 | 41.0 | 38.4 | 35.5 | 32.2 | 30.3 | 17.9 | 1.0 | 0.0 | 0.7 | 0.3 |
| 52.5° | 17.3 | 17.6 | 16.9 | 16.0 | 14.3 | 10.7 | 7.2 | 0.3 | 0.3 | 0.7 | 0.7 |
| 55° | 3.6 | 3.9 | 4.2 | 4.6 | 5.2 | 4.6 | 2.9 | 0.0 | 0.3 | 0.7 | 0.7 |
| 57.5° | 0.7 | 0.7 | 0.7 | 0.7 | 1.0 | 1.0 | 0.7 | 0.0 | 0.3 | 0.7 | 1.0 |
| 60° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.0 | 0.0 | 0.0 | 0.7 | 1.0 | 1.0 |
| 62.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.7 | 1.0 | 1.3 |
| 65° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.7 | 1.3 | 1.3 |
| 67.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1.0 | 1.3 | 1.3 |
| 70° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1.0 | 1.3 | 1.3 |
| 72.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1.0 | 1.3 | 1.0 |
| 75° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1.0 | 1.0 | 1.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.3 | 0.7 | 1.0 | 1.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.3 | 0.7 | 1.0 | 0.7 |



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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 | 0.3 | 0.3 | 0.7 | 1.0 | 0.7 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.7 | 1.0 | 0.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.7 | 1.0 | 0.7 |
| 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° | 15.0 | 15.0 | 15.0 |
| 2.5° | 10.4 | 9.4 | 9.1 |
| 5° | 7.2 | 6.2 | 5.5 |
| 7.5° | 4.9 | 3.9 | 3.6 |
| 10° | 3.3 | 2.6 | 2.3 |
| 12.5° | 2.3 | 1.3 | 1.3 |
| 15° | 1.3 | 1.0 | 1.0 |
| 17.5° | 0.7 | 0.3 | 0.3 |
| 20° | 0.3 | 0.3 | 0.3 |
| 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 | 0.3 |
| 39° | 0.0 | 0.3 | 0.3 |
| 40° | 0.0 | 0.3 | 0.3 |
| 42.5° | 0.0 | 0.3 | 0.7 |
| 45° | 0.3 | 0.7 | 1.0 |
| 47.5° | 0.7 | 1.0 | 1.3 |
| 50° | 0.7 | 1.3 | 1.3 |
| 52.5° | 1.0 | 1.3 | 1.6 |
| 55° | 1.0 | 1.6 | 1.6 |
| 57.5° | 1.3 | 1.6 | 2.0 |
| 60° | 1.3 | 1.6 | 1.6 |
| 62.5° | 1.3 | 2.0 | 2.0 |
| 65° | 1.6 | 2.0 | 2.0 |
| 67.5° | 1.6 | 2.0 | 2.0 |
| 70° | 1.3 | 1.6 | 2.0 |
| 72.5° | 1.3 | 1.6 | 1.6 |
| 75° | 1.0 | 1.3 | 1.3 |
| 77.5° | 1.0 | 1.0 | 1.3 |
| 80° | 0.7 | 1.0 | 1.0 |



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CANDELA DISTRIBUTION (continued):

| | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 0.7 | 0.7 | 0.7 |
| 85° | 0.3 | 0.3 | 0.3 |
| 87.5° | 0.3 | 0.3 | 0.3 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)