

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: P1327790

Luminaire Tested: LDSQA3D13R25W2N902765DE010 3LSQCA30R 1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327790
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: LDSQA3D13R25W2N902765DE010 3LSQCA30R 1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

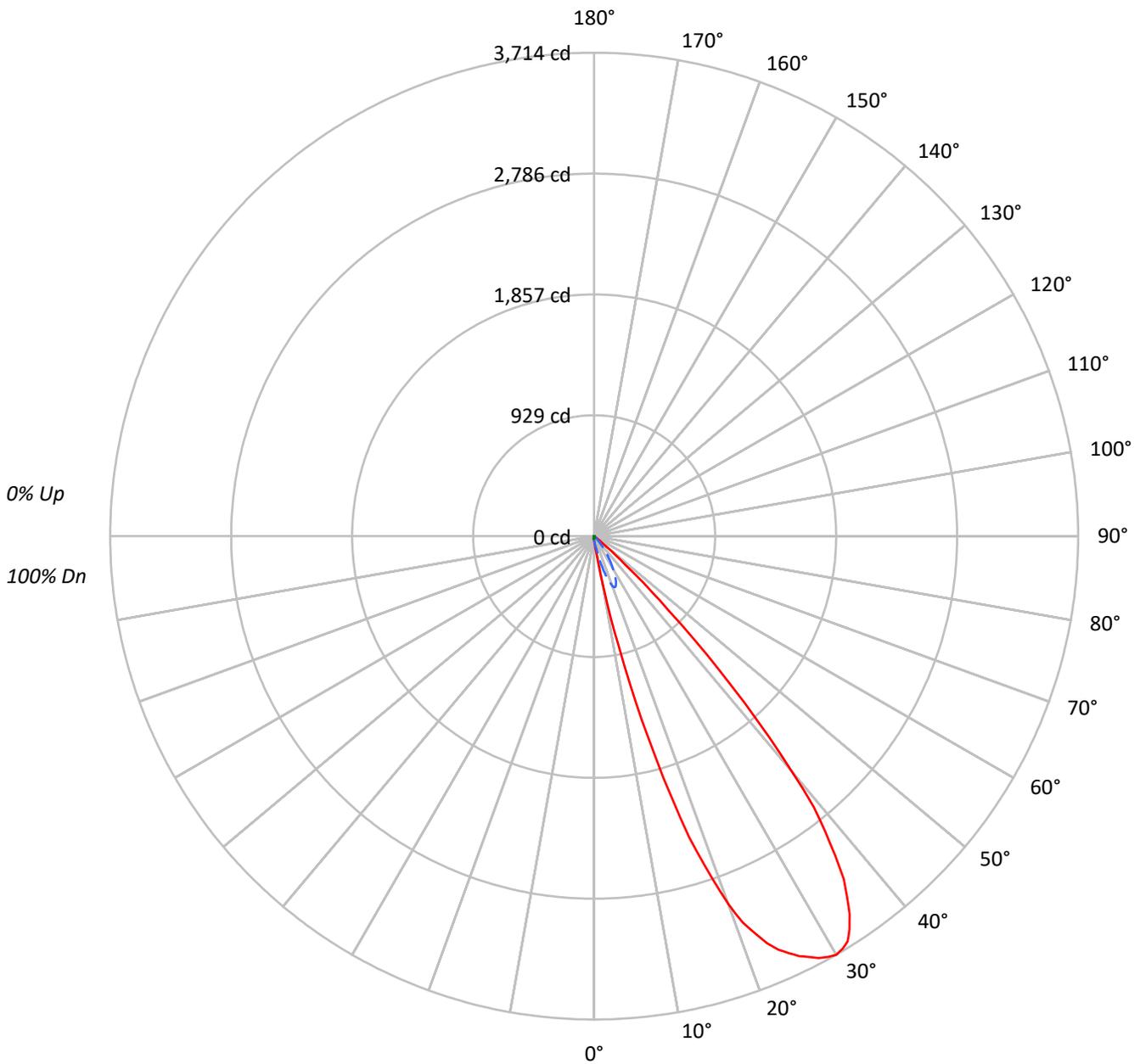
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 743.1 lumens
Efficiency: N/A
Efficacy: 60.4 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): 12.3
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: P1327790
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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 | 50 | 47 | 56 | 50 | 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° | 5494 | 5494 | 5494 | 5494 | 5494 |
| 5° | 13779 | 10183 | 5152 | 2645 | 2040 |
| 10° | 60246 | 17331 | 4250 | 1207 | 857 |
| 15° | 286507 | 46714 | 2960 | 499 | 374 |
| 20° | 551531 | 74831 | 1906 | 128 | 128 |
| 25° | 671706 | 75479 | 1045 | 0 | 0 |
| 30° | 738507 | 57770 | 418 | 0 | 0 |
| 35° | 711679 | 36730 | 147 | 0 | 0 |
| 40° | 531768 | 15895 | 0 | 0 | 157 |
| 45° | 196869 | 4214 | 170 | 170 | 511 |
| 50° | 23230 | 563 | 375 | 375 | 750 |
| 55° | 2282 | 0 | 420 | 631 | 1051 |
| 60° | 241 | 0 | 723 | 964 | 1206 |
| 65° | 285 | 285 | 1141 | 1426 | 1712 |
| 70° | 352 | 352 | 1410 | 1410 | 2115 |
| 75° | 466 | 466 | 1397 | 1397 | 1863 |
| 80° | 0 | 694 | 2083 | 1389 | 2083 |
| 85° | 0 | 1383 | 4150 | 1383 | 1383 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 196869 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 4.6 | 0.6 |
| 10°-20° | 86.6 | 11.7 |
| 20°-30° | 271.9 | 36.6 |
| 30°-40° | 286.2 | 38.5 |
| 40°-50° | 84.1 | 11.3 |
| 50°-60° | 4.5 | 0.6 |
| 60°-70° | 2.2 | 0.3 |
| 70°-80° | 1.9 | 0.3 |
| 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° | 363.2 | 48.9 |
| 0°-40° | 649.4 | 87.4 |
| 0°-60° | 738.0 | 99.3 |
| 0°-90° | 743.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 743.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 32 | 32 | 32 | 32 | 32 | |
| 5° | 80 | 59 | 30 | 15 | 12 | 14 |
| 15° | 1607 | 262 | 17 | 3 | 2 | 507 |
| 25° | 3535 | 397 | 6 | 0 | 0 | 1621 |
| 35° | 3385 | 175 | 1 | 0 | 0 | 2043 |
| 45° | 808 | 17 | 1 | 1 | 2 | 735 |
| 55° | 8 | 0 | 1 | 2 | 4 | 19 |
| 65° | 1 | 1 | 3 | 4 | 4 | 1 |
| 75° | 1 | 1 | 2 | 2 | 3 | 0 |
| 85° | 0 | 1 | 2 | 1 | 1 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1327790

CATALOG NUMBER: LDSQA3D13R25W2N902765DE010 3LSQCA30R 1MW_2700K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|--------|
| 0° | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 |
| 2.5° | 49.2 | 49.9 | 47.8 | 49.2 | 47.8 | 47.1 | 46.4 | 43.0 | 37.4 | 31.9 | 26.3 |
| 5° | 79.7 | 79.7 | 76.3 | 75.6 | 74.2 | 71.4 | 68.6 | 58.9 | 42.3 | 29.8 | 20.8 |
| 7.5° | 124.8 | 124.1 | 122.7 | 119.2 | 112.3 | 105.4 | 98.4 | 76.9 | 46.4 | 27.7 | 15.9 |
| 10° | 344.5 | 339.7 | 333.4 | 296.0 | 253.7 | 216.3 | 183.7 | 99.1 | 49.9 | 24.3 | 11.8 |
| 12.5° | 856.1 | 828.4 | 762.6 | 687.7 | 592.0 | 491.5 | 393.1 | 161.5 | 51.3 | 20.1 | 8.3 |
| 15° | 1606.9 | 1549.4 | 1446.8 | 1297.0 | 1101.5 | 881.8 | 694.6 | 262.0 | 49.9 | 16.6 | 6.2 |
| 17.5° | 2426.3 | 2370.8 | 2228.7 | 2001.4 | 1713.7 | 1376.1 | 1044.7 | 347.3 | 46.4 | 13.9 | 4.2 |
| 20° | 3009.3 | 2950.4 | 2817.3 | 2576.0 | 2264.8 | 1814.9 | 1375.4 | 408.3 | 43.7 | 10.4 | 2.1 |
| 21° | 3179.8 | 3120.9 | 2980.2 | 2747.3 | 2420.1 | 1968.8 | 1481.4 | 418.7 | 41.6 | 9.0 | 1.4 |
| 22° | 3288.0 | 3253.3 | 3102.2 | 2876.2 | 2542.8 | 2092.2 | 1572.2 | 423.6 | 40.2 | 8.3 | 1.4 |
| 23° | 3396.8 | 3344.8 | 3203.4 | 2964.9 | 2636.3 | 2183.7 | 1639.5 | 420.1 | 38.8 | 6.9 | 0.7 |
| 24° | 3477.2 | 3433.6 | 3269.3 | 3033.6 | 2701.5 | 2239.8 | 1679.0 | 411.1 | 36.7 | 6.2 | 0.7 |
| 25° | 3534.8 | 3494.6 | 3323.3 | 3080.0 | 2745.2 | 2270.3 | 1691.5 | 397.2 | 34.7 | 5.5 | 0.7 |
| 26° | 3589.5 | 3545.9 | 3368.4 | 3107.0 | 2768.1 | 2280.0 | 1679.7 | 382.0 | 32.6 | 4.9 | 0.0 |
| 27° | 3629.1 | 3584.7 | 3399.6 | 3123.0 | 2769.4 | 2268.2 | 1647.8 | 361.2 | 30.5 | 4.2 | 0.0 |
| 28° | 3671.3 | 3620.0 | 3421.1 | 3132.0 | 2761.1 | 2240.5 | 1602.1 | 339.0 | 29.1 | 3.5 | 0.0 |
| 29° | 3697.0 | 3648.5 | 3443.3 | 3141.7 | 2743.8 | 2194.1 | 1535.5 | 312.6 | 25.6 | 2.1 | 0.0 |
| 30° | 3713.6 | 3656.1 | 3441.2 | 3131.3 | 2720.9 | 2144.2 | 1455.8 | 290.5 | 22.2 | 2.1 | 0.0 |
| 31° | 3699.8 | 3639.4 | 3419.0 | 3102.2 | 2684.2 | 2079.0 | 1374.0 | 262.7 | 18.0 | 1.4 | 0.0 |
| 32° | 3670.0 | 3598.5 | 3380.2 | 3051.6 | 2618.3 | 1995.1 | 1289.4 | 239.9 | 13.2 | 1.4 | 0.0 |
| 33° | 3597.2 | 3536.9 | 3310.2 | 2983.7 | 2532.4 | 1881.4 | 1179.2 | 217.7 | 9.0 | 0.7 | 0.0 |
| 34° | 3505.7 | 3445.3 | 3214.5 | 2892.8 | 2417.3 | 1734.5 | 1045.4 | 194.8 | 7.6 | 0.7 | 0.0 |
| 35° | 3385.0 | 3325.4 | 3106.4 | 2766.0 | 2264.8 | 1557.7 | 907.4 | 174.7 | 6.2 | 0.7 | 0.0 |
| 36° | 3258.2 | 3179.1 | 2969.8 | 2630.8 | 2060.3 | 1356.6 | 759.8 | 151.8 | 4.9 | 0.7 | 0.0 |
| 37° | 3071.7 | 3018.3 | 2786.1 | 2424.9 | 1839.1 | 1163.9 | 652.3 | 131.0 | 3.5 | 0.7 | 0.0 |
| 38° | 2878.3 | 2829.1 | 2602.4 | 2217.6 | 1592.3 | 973.3 | 546.3 | 110.9 | 2.8 | 0.0 | 0.0 |
| 39° | 2678.6 | 2596.8 | 2372.9 | 1952.1 | 1333.8 | 815.2 | 459.6 | 92.9 | 1.4 | 0.0 | 0.0 |
| 40° | 2365.3 | 2302.9 | 2063.7 | 1633.2 | 1103.6 | 660.6 | 391.7 | 70.7 | 1.4 | 0.0 | 0.0 |
| 42.5° | 1568.1 | 1509.9 | 1258.9 | 885.9 | 586.5 | 386.1 | 258.6 | 27.7 | 0.0 | 0.7 | 0.0 |
| 45° | 808.3 | 771.6 | 626.7 | 463.8 | 332.7 | 237.1 | 166.4 | 17.3 | 0.0 | 0.7 | 0.7 |
| 47.5° | 321.0 | 314.7 | 284.2 | 245.4 | 189.3 | 140.7 | 90.8 | 7.6 | 0.0 | 0.7 | 0.7 |
| 50° | 86.7 | 87.3 | 81.8 | 75.6 | 68.6 | 64.5 | 38.1 | 2.1 | 0.0 | 1.4 | 0.7 |
| 52.5° | 36.7 | 37.4 | 36.0 | 34.0 | 30.5 | 22.9 | 15.3 | 0.7 | 0.7 | 1.4 | 1.4 |
| 55° | 7.6 | 8.3 | 9.0 | 9.7 | 11.1 | 9.7 | 6.2 | 0.0 | 0.7 | 1.4 | 1.4 |
| 57.5° | 1.4 | 1.4 | 1.4 | 1.4 | 2.1 | 2.1 | 1.4 | 0.0 | 0.7 | 1.4 | 2.1 |
| 60° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 | 1.4 | 2.1 | 2.1 |
| 62.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 1.4 | 2.1 | 2.8 |
| 65° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 1.4 | 2.8 | 2.8 |
| 67.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 2.1 | 2.8 | 2.8 |
| 70° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 2.1 | 2.8 | 2.8 |
| 72.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 2.1 | 2.8 | 2.1 |
| 75° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 2.1 | 2.1 | 2.1 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 1.4 | 2.1 | 2.1 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 1.4 | 2.1 | 1.4 |



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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 | 0.7 | 0.7 | 1.4 | 2.1 | 1.4 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 1.4 | 2.1 | 1.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 1.4 | 2.1 | 1.4 |
| 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: P1327790

CATALOG NUMBER: LDSQA3D13R25W2N902765DE010 3LSQCA30R 1MW_2700K

CANDELA DISTRIBUTION (continued):

| | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0° | 31.9 | 31.9 | 31.9 |
| 2.5° | 22.2 | 20.1 | 19.4 |
| 5° | 15.3 | 13.2 | 11.8 |
| 7.5° | 10.4 | 8.3 | 7.6 |
| 10° | 6.9 | 5.5 | 4.9 |
| 12.5° | 4.9 | 2.8 | 2.8 |
| 15° | 2.8 | 2.1 | 2.1 |
| 17.5° | 1.4 | 0.7 | 0.7 |
| 20° | 0.7 | 0.7 | 0.7 |
| 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 | 0.7 |
| 39° | 0.0 | 0.7 | 0.7 |
| 40° | 0.0 | 0.7 | 0.7 |
| 42.5° | 0.0 | 0.7 | 1.4 |
| 45° | 0.7 | 1.4 | 2.1 |
| 47.5° | 1.4 | 2.1 | 2.8 |
| 50° | 1.4 | 2.8 | 2.8 |
| 52.5° | 2.1 | 2.8 | 3.5 |
| 55° | 2.1 | 3.5 | 3.5 |
| 57.5° | 2.8 | 3.5 | 4.2 |
| 60° | 2.8 | 3.5 | 3.5 |
| 62.5° | 2.8 | 4.2 | 4.2 |
| 65° | 3.5 | 4.2 | 4.2 |
| 67.5° | 3.5 | 4.2 | 4.2 |
| 70° | 2.8 | 3.5 | 4.2 |
| 72.5° | 2.8 | 3.5 | 3.5 |
| 75° | 2.1 | 2.8 | 2.8 |
| 77.5° | 2.1 | 2.1 | 2.8 |
| 80° | 1.4 | 2.1 | 2.1 |



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CANDELA DISTRIBUTION (continued):

| | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 1.4 | 1.4 | 1.4 |
| 85° | 0.7 | 0.7 | 0.7 |
| 87.5° | 0.7 | 0.7 | 0.7 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)