

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: P1310341

Luminaire Tested: LDSQA3D13R259035DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310341
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: LDSQA3D13R259035DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

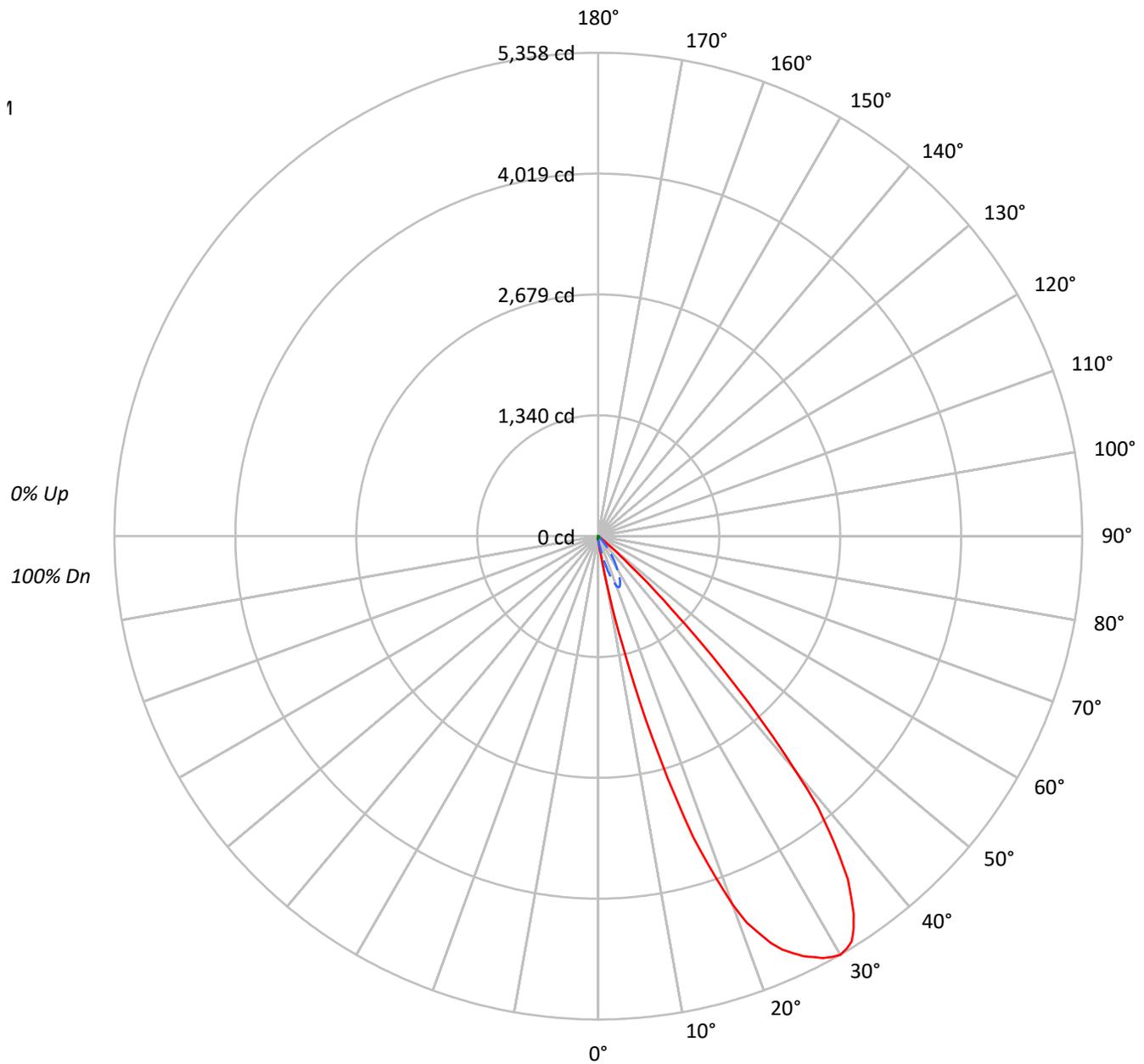
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1072.0 lumens
Efficiency: N/A
Efficacy: 73.4 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): 14.6
Input Voltage (V): NR
Input Current (A_{in}): 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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 |
| 1 | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 95 | 93 | 92 | 92 | 92 |
| 2 | 106 | 100 | 95 | 92 | 104 | 98 | 94 | 90 | 95 | 92 | 88 | 92 | 89 | 87 | 89 | 87 | 85 | 83 | 83 | 83 |
| 3 | 99 | 92 | 86 | 81 | 97 | 90 | 85 | 81 | 88 | 83 | 79 | 85 | 81 | 78 | 83 | 79 | 77 | 75 | 75 | 75 |
| 4 | 93 | 84 | 77 | 72 | 91 | 83 | 77 | 72 | 80 | 75 | 71 | 78 | 74 | 70 | 76 | 73 | 69 | 68 | 68 | 68 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 69 | 65 | 74 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 61 | 61 | 61 |
| 6 | 81 | 71 | 63 | 58 | 79 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 61 | 57 | 65 | 60 | 57 | 55 | 55 | 55 |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 52 | 63 | 57 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 50 | 50 | 50 |
| 8 | 71 | 60 | 52 | 48 | 70 | 59 | 52 | 47 | 58 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 | 45 | 45 |
| 9 | 66 | 55 | 48 | 43 | 65 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 51 | 46 | 42 | 41 | 41 | 41 |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 48 | 42 | 39 | 37 | 37 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|---------|--------|------|------|------|
| 0° | 7922 | 7922 | 7922 | 7922 | 7922 |
| 5° | 19881 | 14695 | 7434 | 3803 | 2939 |
| 10° | 86933 | 25008 | 6121 | 1749 | 1224 |
| 15° | 413366 | 67414 | 4279 | 713 | 535 |
| 20° | 795746 | 107968 | 2749 | 183 | 183 |
| 25° | 969136 | 108904 | 1520 | 0 | 0 |
| 30° | 1065522 | 83345 | 597 | 0 | 0 |
| 35° | 1026816 | 52982 | 210 | 0 | 0 |
| 40° | 767223 | 22932 | 0 | 0 | 225 |
| 45° | 284039 | 6089 | 244 | 244 | 731 |
| 50° | 33491 | 804 | 536 | 536 | 1072 |
| 55° | 3303 | 0 | 601 | 901 | 1501 |
| 60° | 344 | 0 | 1033 | 1378 | 1722 |
| 65° | 408 | 408 | 1630 | 2038 | 2445 |
| 70° | 504 | 504 | 2014 | 2014 | 3021 |
| 75° | 665 | 665 | 1996 | 1996 | 2662 |
| 80° | 0 | 992 | 2975 | 1984 | 2975 |
| 85° | 0 | 1976 | 5928 | 1976 | 1976 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 284039 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 6.7 | 0.6 |
| 10°-20° | 125.0 | 11.7 |
| 20°-30° | 392.3 | 36.6 |
| 30°-40° | 413.0 | 38.5 |
| 40°-50° | 121.3 | 11.3 |
| 50°-60° | 6.5 | 0.6 |
| 60°-70° | 3.2 | 0.3 |
| 70°-80° | 2.7 | 0.3 |
| 80°-90° | 1.4 | 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° | 524.0 | 48.9 |
| 0°-40° | 936.9 | 87.4 |
| 0°-60° | 1064.7 | 99.3 |
| 0°-90° | 1072.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1072.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 46 | 46 | 46 | 46 | 46 | |
| 5° | 115 | 85 | 43 | 22 | 17 | 21 |
| 15° | 2318 | 378 | 24 | 4 | 3 | 731 |
| 25° | 5100 | 573 | 8 | 0 | 0 | 2339 |
| 35° | 4884 | 252 | 1 | 0 | 0 | 2947 |
| 45° | 1166 | 25 | 1 | 1 | 3 | 1060 |
| 55° | 11 | 0 | 2 | 3 | 5 | 28 |
| 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: P1310341

CATALOG NUMBER: LDSQA3D13R259035DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|--------|
| 0° | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| 2.5° | 71.0 | 72.0 | 69.0 | 71.0 | 69.0 | 68.0 | 67.0 | 62.0 | 54.0 | 46.0 | 38.0 |
| 5° | 115.0 | 115.0 | 110.0 | 109.0 | 107.0 | 103.0 | 99.0 | 85.0 | 61.0 | 43.0 | 30.0 |
| 7.5° | 180.0 | 179.0 | 177.0 | 172.0 | 162.0 | 152.0 | 142.0 | 111.0 | 67.0 | 40.0 | 23.0 |
| 10° | 497.1 | 490.1 | 481.1 | 427.1 | 366.1 | 312.1 | 265.1 | 143.0 | 72.0 | 35.0 | 17.0 |
| 12.5° | 1235.2 | 1195.2 | 1100.2 | 992.2 | 854.2 | 709.1 | 567.1 | 233.0 | 74.0 | 29.0 | 12.0 |
| 15° | 2318.4 | 2235.4 | 2087.4 | 1871.4 | 1589.3 | 1272.2 | 1002.2 | 378.1 | 72.0 | 24.0 | 9.0 |
| 17.5° | 3500.7 | 3420.6 | 3215.6 | 2887.5 | 2472.5 | 1985.4 | 1507.3 | 501.1 | 67.0 | 20.0 | 6.0 |
| 20° | 4341.8 | 4256.8 | 4064.8 | 3716.7 | 3267.6 | 2618.5 | 1984.4 | 589.1 | 63.0 | 15.0 | 3.0 |
| 21° | 4587.9 | 4502.9 | 4299.8 | 3963.8 | 3491.7 | 2840.5 | 2137.4 | 604.1 | 60.0 | 13.0 | 2.0 |
| 22° | 4743.9 | 4693.9 | 4475.8 | 4149.8 | 3668.7 | 3018.6 | 2268.4 | 611.1 | 58.0 | 12.0 | 2.0 |
| 23° | 4900.9 | 4825.9 | 4621.9 | 4277.8 | 3803.7 | 3150.6 | 2365.4 | 606.1 | 56.0 | 10.0 | 1.0 |
| 24° | 5017.0 | 4953.9 | 4716.9 | 4376.8 | 3897.7 | 3231.6 | 2422.5 | 593.1 | 53.0 | 9.0 | 1.0 |
| 25° | 5100.0 | 5042.0 | 4794.9 | 4443.8 | 3960.8 | 3275.6 | 2440.5 | 573.1 | 50.0 | 8.0 | 1.0 |
| 26° | 5179.0 | 5116.0 | 4859.9 | 4482.8 | 3993.8 | 3289.6 | 2423.5 | 551.1 | 47.0 | 7.0 | 0.0 |
| 27° | 5236.0 | 5172.0 | 4904.9 | 4505.9 | 3995.8 | 3272.6 | 2377.5 | 521.1 | 44.0 | 6.0 | 0.0 |
| 28° | 5297.0 | 5223.0 | 4935.9 | 4518.9 | 3983.8 | 3232.6 | 2311.4 | 489.1 | 42.0 | 5.0 | 0.0 |
| 29° | 5334.0 | 5264.0 | 4967.9 | 4532.9 | 3958.8 | 3165.6 | 2215.4 | 451.1 | 37.0 | 3.0 | 0.0 |
| 30° | 5358.0 | 5275.0 | 4964.9 | 4517.9 | 3925.7 | 3093.6 | 2100.4 | 419.1 | 32.0 | 3.0 | 0.0 |
| 31° | 5338.0 | 5251.0 | 4932.9 | 4475.8 | 3872.7 | 2999.6 | 1982.4 | 379.1 | 26.0 | 2.0 | 0.0 |
| 32° | 5295.0 | 5192.0 | 4876.9 | 4402.8 | 3777.7 | 2878.5 | 1860.4 | 346.1 | 19.0 | 2.0 | 0.0 |
| 33° | 5190.0 | 5103.0 | 4775.9 | 4304.8 | 3653.7 | 2714.5 | 1701.3 | 314.1 | 13.0 | 1.0 | 0.0 |
| 34° | 5058.0 | 4970.9 | 4637.9 | 4173.8 | 3487.7 | 2502.5 | 1508.3 | 281.1 | 11.0 | 1.0 | 0.0 |
| 35° | 4883.9 | 4797.9 | 4481.8 | 3990.8 | 3267.6 | 2247.4 | 1309.2 | 252.0 | 9.0 | 1.0 | 0.0 |
| 36° | 4700.9 | 4586.9 | 4284.8 | 3795.7 | 2972.6 | 1957.4 | 1096.2 | 219.0 | 7.0 | 1.0 | 0.0 |
| 37° | 4431.8 | 4354.8 | 4019.8 | 3498.7 | 2653.5 | 1679.3 | 941.2 | 189.0 | 5.0 | 1.0 | 0.0 |
| 38° | 4152.8 | 4081.8 | 3754.7 | 3199.6 | 2297.4 | 1404.3 | 788.1 | 160.0 | 4.0 | 0.0 | 0.0 |
| 39° | 3864.7 | 3746.7 | 3423.6 | 2816.5 | 1924.4 | 1176.2 | 663.1 | 134.0 | 2.0 | 0.0 | 0.0 |
| 40° | 3412.6 | 3322.6 | 2977.6 | 2356.4 | 1592.3 | 953.2 | 565.1 | 102.0 | 2.0 | 0.0 | 0.0 |
| 42.5° | 2262.4 | 2178.4 | 1816.3 | 1278.2 | 846.2 | 557.1 | 373.1 | 40.0 | 0.0 | 1.0 | 0.0 |
| 45° | 1166.2 | 1113.2 | 904.2 | 669.1 | 480.1 | 342.1 | 240.0 | 25.0 | 0.0 | 1.0 | 1.0 |
| 47.5° | 463.1 | 454.1 | 410.1 | 354.1 | 273.1 | 203.0 | 131.0 | 11.0 | 0.0 | 1.0 | 1.0 |
| 50° | 125.0 | 126.0 | 118.0 | 109.0 | 99.0 | 93.0 | 55.0 | 3.0 | 0.0 | 2.0 | 1.0 |
| 52.5° | 53.0 | 54.0 | 52.0 | 49.0 | 44.0 | 33.0 | 22.0 | 1.0 | 1.0 | 2.0 | 2.0 |
| 55° | 11.0 | 12.0 | 13.0 | 14.0 | 16.0 | 14.0 | 9.0 | 0.0 | 1.0 | 2.0 | 2.0 |
| 57.5° | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 0.0 | 1.0 | 2.0 | 3.0 |
| 60° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 2.0 | 3.0 | 3.0 |
| 62.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 4.0 |
| 65° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 4.0 | 4.0 |
| 67.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 4.0 | 4.0 |
| 70° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 4.0 | 4.0 |
| 72.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 4.0 | 3.0 |
| 75° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 3.0 | 3.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 |



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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 | 2.0 | 3.0 | 2.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 2.0 | 3.0 | 2.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 2.0 | 3.0 | 2.0 |
| 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° | 46.0 | 46.0 | 46.0 |
| 2.5° | 32.0 | 29.0 | 28.0 |
| 5° | 22.0 | 19.0 | 17.0 |
| 7.5° | 15.0 | 12.0 | 11.0 |
| 10° | 10.0 | 8.0 | 7.0 |
| 12.5° | 7.0 | 4.0 | 4.0 |
| 15° | 4.0 | 3.0 | 3.0 |
| 17.5° | 2.0 | 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 | 2.0 |
| 45° | 1.0 | 2.0 | 3.0 |
| 47.5° | 2.0 | 3.0 | 4.0 |
| 50° | 2.0 | 4.0 | 4.0 |
| 52.5° | 3.0 | 4.0 | 5.0 |
| 55° | 3.0 | 5.0 | 5.0 |
| 57.5° | 4.0 | 5.0 | 6.0 |
| 60° | 4.0 | 5.0 | 5.0 |
| 62.5° | 4.0 | 6.0 | 6.0 |
| 65° | 5.0 | 6.0 | 6.0 |
| 67.5° | 5.0 | 6.0 | 6.0 |
| 70° | 4.0 | 5.0 | 6.0 |
| 72.5° | 4.0 | 5.0 | 5.0 |
| 75° | 3.0 | 4.0 | 4.0 |
| 77.5° | 3.0 | 3.0 | 4.0 |
| 80° | 2.0 | 3.0 | 3.0 |



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CANDELA DISTRIBUTION (continued):

| | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 2.0 | 2.0 | 2.0 |
| 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)