Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: IRiS

Report Number: P1309262

Luminaire Tested: P3SQAS17R259035DE010 E3SQCA301MW

Issue Date: 1/29/2026

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | P1309262 |
| | 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: | IRiS |
| Catalog Number: | P3SQAS17R259035DE010 E3SQCA301MW |
| Description: | 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQCA301MW TRIM |
| Light Source: | - |
| Ballast/Driver: | - |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 1419.9 lumens |
| Efficiency: | N/A |
| Efficacy: | 67.0 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): | 21.2 |
| 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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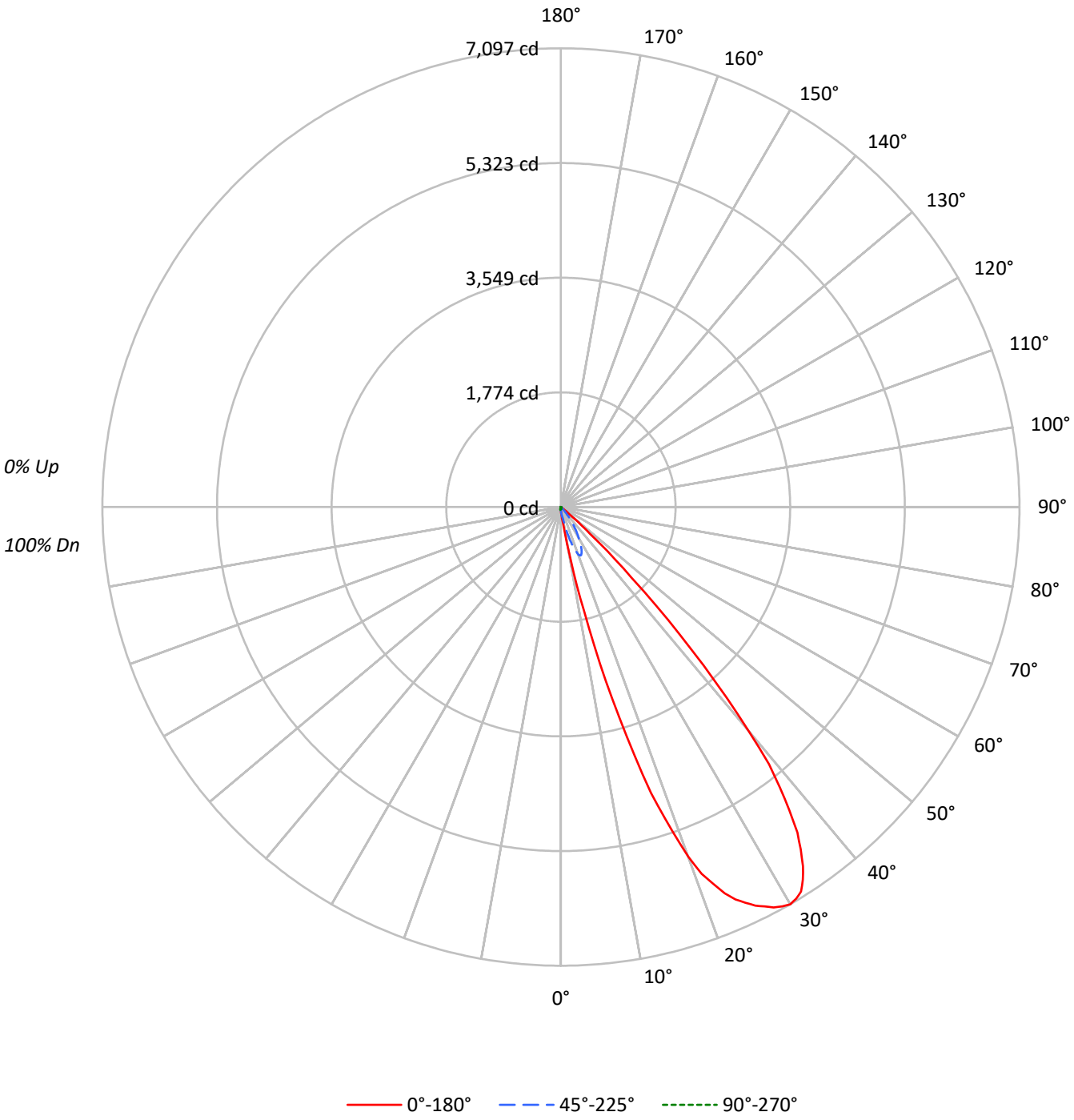
## Luminous Intensity Polar Plot



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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 | 95 | 92 | 104 | 98 | 94 | 90 | 95 | 92 | 88 | 92 | 89 | 87 | 89 | 87 | 85 | 83 |
| 3 | 99 | 92 | 86 | 81 | 97 | 90 | 85 | 81 | 88 | 83 | 79 | 85 | 81 | 78 | 83 | 79 | 77 | 75 |
| 4 | 93 | 84 | 77 | 72 | 91 | 83 | 77 | 72 | 80 | 75 | 71 | 78 | 74 | 70 | 76 | 73 | 69 | 68 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 69 | 65 | 74 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 61 |
| 6 | 81 | 71 | 63 | 58 | 79 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 61 | 57 | 65 | 60 | 57 | 55 |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 52 | 63 | 57 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 50 |
| 8 | 71 | 60 | 52 | 48 | 70 | 59 | 52 | 47 | 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 | 42 | 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° | 10488 | 10488 | 10488 | 10488 | 10488 |
| 5° | 26347 | 19466 | 9854 | 5031 | 3890 |
| 10° | 115158 | 33140 | 8114 | 2308 | 1626 |
| 15° | 547571 | 89292 | 5670 | 945 | 713 |
| 20° | 1054072 | 143028 | 3647 | 238 | 238 |
| 25° | 1283744 | 144268 | 2014 | 0 | 0 |
| 30° | 1411429 | 110390 | 795 | 0 | 0 |
| 35° | 1360159 | 70201 | 273 | 0 | 0 |
| 40° | 1016302 | 30373 | 0 | 0 | 292 |
| 45° | 376251 | 8062 | 317 | 317 | 974 |
| 50° | 44369 | 1072 | 697 | 697 | 1420 |
| 55° | 4384 | 0 | 781 | 1201 | 1982 |
| 60° | 448 | 0 | 1378 | 1826 | 2273 |
| 65° | 530 | 530 | 2160 | 2690 | 3219 |
| 70° | 655 | 655 | 2669 | 2669 | 3978 |
| 75° | 865 | 865 | 2662 | 2662 | 3527 |
| 80° | 0 | 1289 | 3967 | 2579 | 3967 |
| 85° | 0 | 2569 | 7904 | 2569 | 2569 |

## MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 376251 cd/sqm

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**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 8.9 | 0.6 |
| 10°-20° | 165.5 | 11.7 |
| 20°-30° | 519.6 | 36.6 |
| 30°-40° | 547.0 | 38.5 |
| 40°-50° | 160.7 | 11.3 |
| 50°-60° | 8.6 | 0.6 |
| 60°-70° | 4.2 | 0.3 |
| 70°-80° | 3.6 | 0.3 |
| 80°-90° | 1.8 | 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° | 694.0 | 48.9 |
| 0°-40° | 1241.0 | 87.4 |
| 0°-60° | 1410.3 | 99.3 |
| 0°-90° | 1419.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1419.9 | 100.0 |

**CANDELA DISTRIBUTION:**

| | 0° | 45° | 90° | 135° | 180° | Flux |
|---|---|---|---|---|---|---|
| 0° | 61 | 61 | 61 | 61 | 61 | |
| 5° | 152 | 113 | 57 | 29 | 22 | 27 |
| 15° | 3071 | 501 | 32 | 5 | 4 | 968 |
| 25° | 6756 | 759 | 11 | 0 | 0 | 3099 |
| 35° | 6469 | 334 | 1 | 0 | 0 | 3904 |
| 45° | 1545 | 33 | 1 | 1 | 4 | 1404 |
| 55° | 15 | 0 | 3 | 4 | 7 | 37 |
| 65° | 1 | 1 | 5 | 7 | 8 | 1 |
| 75° | 1 | 1 | 4 | 4 | 5 | 1 |
| 85° | 0 | 1 | 4 | 1 | 1 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |

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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | *60.9* | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| 2.5° | *94.1* | 95.4 | 91.4 | 94.1 | 91.4 | 90.1 | 88.8 | 82.1 | 71.5 | 60.9 | 50.3 |
| 5° | *152.4* | 152.4 | 145.7 | 144.4 | 141.8 | 136.5 | 131.2 | 112.6 | 80.8 | 57.0 | 39.7 |
| 7.5° | *238.5* | 237.2 | 234.5 | 227.9 | 214.6 | 201.4 | 188.1 | 147.1 | 88.8 | 53.0 | 30.5 |
| 10° | *658.5* | 649.2 | 637.3 | 565.7 | 484.9 | 413.4 | 351.1 | 189.5 | 95.4 | 46.4 | 22.5 |
| 12.5° | *1636.2* | 1583.2 | 1457.4 | 1314.3 | 1131.4 | 939.3 | 751.2 | 308.7 | 98.0 | 38.4 | 15.9 |
| 15° | *3071.1* | 2961.1 | 2765.0 | 2478.8 | 2105.2 | 1685.2 | 1327.5 | 500.8 | 95.4 | 31.8 | 11.9 |
| 17.5° | *4637.1* | 4531.1 | 4259.5 | 3824.9 | 3275.1 | 2629.9 | 1996.6 | 663.8 | 88.8 | 26.5 | 7.9 |
| 20° | *5751.3* | 5638.7 | 5384.3 | 4923.2 | 4328.4 | 3468.5 | 2628.6 | 780.4 | 83.5 | 19.9 | 4.0 |
| 21° | *6077.2* | 5964.6 | 5695.7 | 5250.5 | 4625.1 | 3762.7 | 2831.3 | 800.2 | 79.5 | 17.2 | 2.6 |
| 22° | *6283.9* | 6217.7 | 5928.8 | 5496.9 | 4859.7 | 3998.5 | 3004.8 | 809.5 | 76.8 | 15.9 | 2.6 |
| 23° | *6491.9* | 6392.5 | 6122.3 | 5666.5 | 5038.5 | 4173.4 | 3133.3 | 802.9 | 74.2 | 13.2 | 1.3 |
| 24° | *6645.6* | 6562.1 | 6248.1 | 5797.7 | 5163.0 | 4280.7 | 3208.9 | 785.7 | 70.2 | 11.9 | 1.3 |
| 25° | *6755.6* | 6678.7 | 6351.5 | 5886.4 | 5246.5 | 4339.0 | 3232.7 | 759.2 | 66.2 | 10.6 | 1.3 |
| 26° | *6860.2* | 6776.8 | 6437.6 | 5938.1 | 5290.2 | 4357.5 | 3210.2 | 730.0 | 62.3 | 9.3 | 0.0 |
| 27° | *6935.7* | 6850.9 | 6497.2 | 5968.6 | 5292.9 | 4335.0 | 3149.2 | 690.3 | 58.3 | 7.9 | 0.0 |
| 28° | *7016.6* | 6918.5 | 6538.3 | 5985.8 | 5277.0 | 4282.0 | 3061.8 | 647.9 | 55.6 | 6.6 | 0.0 |
| 29° | *7065.6* | 6972.8 | 6580.7 | 6004.3 | 5243.9 | 4193.2 | 2934.6 | 597.5 | 49.0 | 4.0 | 0.0 |
| 30° | *7097.4* | *6987.4* | *6576.7* | *5984.5* | *5200.1* | *4097.8* | *2782.2* | *555.1* | *42.4* | *4.0* | *0.0* |
| 31° | *7070.9* | 6955.6 | 6534.3 | 5928.8 | 5129.9 | 3973.3 | 2625.9 | 502.1 | 34.4 | 2.6 | 0.0 |
| 32° | *7013.9* | 6877.4 | 6460.1 | 5832.1 | 5004.1 | 3813.0 | 2464.3 | 458.4 | 25.2 | 2.6 | 0.0 |
| 33° | *6874.8* | 6759.5 | 6326.3 | 5702.3 | 4839.8 | 3595.7 | 2253.6 | 416.0 | 17.2 | 1.3 | 0.0 |
| 34° | *6699.9* | 6584.6 | 6143.5 | 5528.7 | 4619.8 | 3314.8 | 1997.9 | 372.3 | 14.6 | 1.3 | 0.0 |
| 35° | *6469.4* | 6355.4 | 5936.8 | 5286.3 | 4328.4 | 2977.0 | 1734.3 | 333.9 | 11.9 | 1.3 | 0.0 |
| 36° | *6226.9* | 6075.9 | 5675.8 | 5027.9 | 3937.5 | 2592.8 | 1452.1 | 290.1 | 9.3 | 1.3 | 0.0 |
| 37° | *5870.5* | 5768.5 | 5324.7 | 4634.4 | 3514.9 | 2224.5 | 1246.7 | 250.4 | 6.6 | 1.3 | 0.0 |
| 38° | *5500.9* | 5406.8 | 4973.6 | 4238.3 | 3043.2 | 1860.1 | 1044.0 | 212.0 | 5.3 | 0.0 | 0.0 |
| 39° | *5119.3* | 4963.0 | 4535.1 | 3730.9 | 2549.1 | 1558.1 | 878.4 | 177.5 | 2.6 | 0.0 | 0.0 |
| 40° | *4520.5* | 4401.2 | 3944.2 | 3121.4 | 2109.2 | 1262.6 | 748.6 | 135.1 | 2.6 | 0.0 | 0.0 |
| 42.5° | *2996.9* | 2885.6 | 2406.0 | 1693.2 | 1120.8 | 738.0 | 494.2 | 53.0 | 0.0 | 1.3 | 0.0 |
| 45° | *1544.8* | 1474.6 | 1197.7 | 886.3 | 635.9 | 453.1 | 318.0 | 33.1 | 0.0 | 1.3 | 1.3 |
| 47.5° | *613.4* | 601.5 | 543.2 | 469.0 | 361.7 | 269.0 | 173.6 | 14.6 | 0.0 | 1.3 | 1.3 |
| 50° | *165.6* | 166.9 | 156.3 | 144.4 | 131.2 | 123.2 | 72.9 | 4.0 | 0.0 | 2.6 | 1.3 |
| 52.5° | *70.2* | 71.5 | 68.9 | 64.9 | 58.3 | 43.7 | 29.1 | 1.3 | 1.3 | 2.6 | 2.6 |
| 55° | *14.6* | 15.9 | 17.2 | 18.5 | 21.2 | 18.5 | 11.9 | 0.0 | 1.3 | 2.6 | 2.6 |
| 57.5° | *2.6* | 2.6 | 2.6 | 2.6 | 4.0 | 4.0 | 2.6 | 0.0 | 1.3 | 2.6 | 4.0 |
| 60° | *1.3* | 1.3 | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 2.6 | 4.0 | 4.0 |
| 62.5° | *1.3* | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 2.6 | 4.0 | 5.3 |
| 65° | *1.3* | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 2.6 | 5.3 | 5.3 |
| 67.5° | *1.3* | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 4.0 | 5.3 | 5.3 |
| 70° | *1.3* | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 4.0 | 5.3 | 5.3 |
| 72.5° | *1.3* | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 4.0 | 5.3 | 4.0 |
| 75° | *1.3* | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 4.0 | 4.0 | 4.0 |
| 77.5° | *0.0* | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 2.6 | 4.0 | 4.0 |
| 80° | *0.0* | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 2.6 | 4.0 | 2.6 |

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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 | 1.3 | 1.3 | 2.6 | 4.0 | 2.6 |
| 85° | *0.0* | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 2.6 | 4.0 | 2.6 |
| 87.5° | *0.0* | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 2.6 | 4.0 | 2.6 |
| 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° | 60.9 | 60.9 | 60.9 |
| 2.5° | 42.4 | 38.4 | 37.1 |
| 5° | 29.1 | 25.2 | 22.5 |
| 7.5° | 19.9 | 15.9 | 14.6 |
| 10° | 13.2 | 10.6 | 9.3 |
| 12.5° | 9.3 | 5.3 | 5.3 |
| 15° | 5.3 | 4.0 | 4.0 |
| 17.5° | 2.6 | 1.3 | 1.3 |
| 20° | 1.3 | 1.3 | 1.3 |
| 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 | 1.3 |
| 39° | 0.0 | 1.3 | 1.3 |
| 40° | 0.0 | 1.3 | 1.3 |
| 42.5° | 0.0 | 1.3 | 2.6 |
| 45° | 1.3 | 2.6 | 4.0 |
| 47.5° | 2.6 | 4.0 | 5.3 |
| 50° | 2.6 | 5.3 | 5.3 |
| 52.5° | 4.0 | 5.3 | 6.6 |
| 55° | 4.0 | 6.6 | 6.6 |
| 57.5° | 5.3 | 6.6 | 7.9 |
| 60° | 5.3 | 6.6 | 6.6 |
| 62.5° | 5.3 | 7.9 | 7.9 |
| 65° | 6.6 | 7.9 | 7.9 |
| 67.5° | 6.6 | 7.9 | 7.9 |
| 70° | 5.3 | 6.6 | 7.9 |
| 72.5° | 5.3 | 6.6 | 6.6 |
| 75° | 4.0 | 5.3 | 5.3 |
| 77.5° | 4.0 | 4.0 | 5.3 |
| 80° | 2.6 | 4.0 | 4.0 |

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**CANDELA DISTRIBUTION (continued):**

| | 135° | 157.5° | 180° |
|---|---|---|---|
| 82.5° | 2.6 | 2.6 | 2.6 |
| 85° | 1.3 | 1.3 | 1.3 |
| 87.5° | 1.3 | 1.3 | 1.3 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)