

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



Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P593920

Luminaire Tested: **HCC8W80D010SL-HM86080950-81RWWH**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P593920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W80D010SL-HM86080950-81RWWH
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

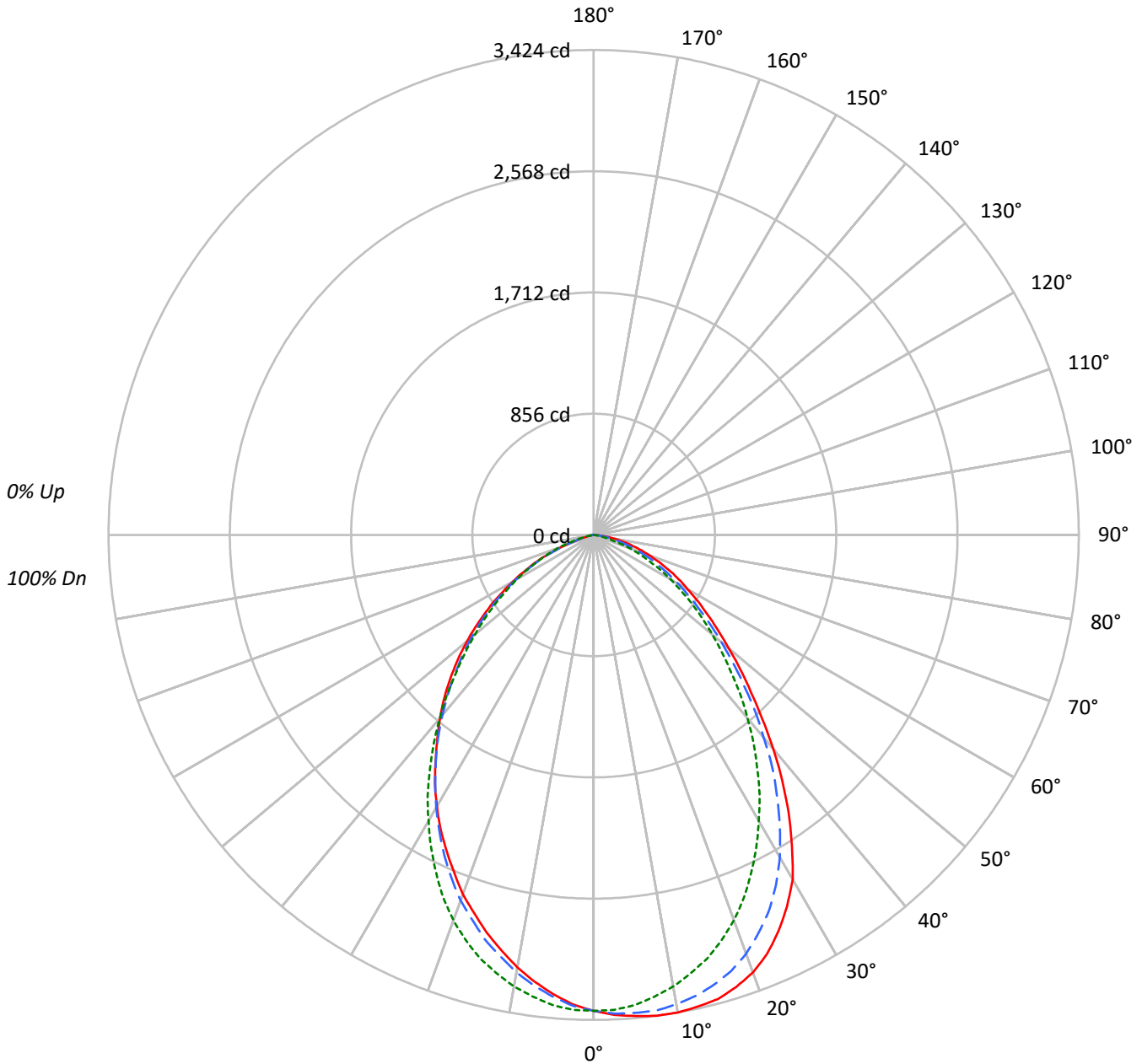
Lumens per Lamp: N/A
Luminaire Lumens: 6298.9 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 70
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: 25 FT



TEST NUMBER: P593920
CATALOG NUMBER: HCC8W80D010SL-HM86080950-81RWWH

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 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 |
| 1 | 111 | 107 | 104 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | 88 | 88 | 88 |
| 2 | 103 | 96 | 90 | 85 | 100 | 94 | 89 | 84 | 90 | 86 | 82 | 87 | 84 | 80 | 84 | 81 | 79 | 77 | 77 | 77 | 77 |
| 3 | 95 | 86 | 79 | 73 | 92 | 84 | 78 | 73 | 81 | 76 | 71 | 79 | 74 | 70 | 76 | 72 | 69 | 67 | 67 | 67 | 67 |
| 4 | 88 | 77 | 70 | 64 | 86 | 76 | 69 | 63 | 74 | 67 | 63 | 71 | 66 | 62 | 69 | 65 | 61 | 59 | 59 | 59 | 59 |
| 5 | 81 | 70 | 62 | 56 | 79 | 69 | 62 | 56 | 67 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 54 | 52 | 52 | 52 | 52 |
| 6 | 76 | 64 | 56 | 50 | 74 | 63 | 55 | 50 | 61 | 54 | 49 | 60 | 54 | 49 | 58 | 53 | 49 | 47 | 47 | 47 | 47 |
| 7 | 71 | 58 | 51 | 45 | 69 | 58 | 50 | 45 | 56 | 49 | 45 | 55 | 49 | 44 | 54 | 48 | 44 | 42 | 42 | 42 | 42 |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 38 | 38 | 38 | 38 |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 36 | 35 | 35 | 35 | 35 |
| 10 | 58 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | 32 | 32 | 32 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 103610 | 103610 | 103610 |
| 5° | 105557 | 103158 | 100762 |
| 10° | 107203 | 101360 | 97080 |
| 15° | 108283 | 98834 | 92874 |
| 20° | 107867 | 95020 | 88598 |
| 25° | 105026 | 89534 | 83648 |
| 30° | 100023 | 82999 | 78787 |
| 35° | 90320 | 75755 | 73180 |
| 40° | 79357 | 67993 | 67812 |
| 45° | 68497 | 59762 | 62339 |
| 50° | 59630 | 52420 | 55917 |
| 55° | 52869 | 45525 | 48708 |
| 60° | 47173 | 38465 | 40433 |
| 65° | 42517 | 31222 | 31893 |
| 70° | 37768 | 23405 | 18879 |
| 75° | 32538 | 13558 | 8126 |
| 80° | 25056 | 4848 | 2433 |
| 85° | 16098 | 1592 | 1592 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 315.4 | 5.0 |
| 10°-20° | 878.1 | 13.9 |
| 20°-30° | 1241.9 | 19.7 |
| 30°-40° | 1308.6 | 20.8 |
| 40°-50° | 1112.2 | 17.7 |
| 50°-60° | 800.9 | 12.7 |
| 60°-70° | 462.0 | 7.3 |
| 70°-80° | 158.1 | 2.5 |
| 80°-90° | 21.7 | 0.3 |
| 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° | 2435.4 | 38.7 |
| 0°-40° | 3744.0 | 59.4 |
| 0°-60° | 5657.1 | 89.8 |
| 0°-90° | 6298.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6298.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3360 | 3360 | 3360 | 3360 | 3360 | |
| 5° | 3410 | 3387 | 3333 | 3273 | 3255 | 326 |
| 15° | 3392 | 3287 | 3096 | 2959 | 2909 | 955 |
| 25° | 3087 | 2927 | 2632 | 2495 | 2458 | 1416 |
| 35° | 2399 | 2258 | 2012 | 1940 | 1944 | 1494 |
| 45° | 1571 | 1498 | 1370 | 1380 | 1430 | 1220 |
| 55° | 983 | 906 | 847 | 879 | 906 | 885 |
| 65° | 583 | 501 | 428 | 419 | 437 | 580 |
| 75° | 273 | 205 | 114 | 73 | 68 | 288 |
| 85° | 46 | 27 | 4 | 4 | 4 | 61 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P593920

CATALOG NUMBER: HCC8W80D010SL-HM86080950-81RWWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3360.0 | 3360.0 | 3360.0 | 3360.0 | 3360.0 | 3360.0 | 3360.0 | 3360.0 | 3360.0 | 3360.0 | 3360.0 |
| 2.5° | 3391.9 | 3396.4 | 3391.9 | 3391.9 | 3387.3 | 3382.7 | 3378.2 | 3373.7 | 3364.5 | 3355.5 | 3355.5 |
| 5° | 3410.1 | 3419.2 | 3410.1 | 3410.1 | 3396.4 | 3387.3 | 3378.2 | 3364.5 | 3346.3 | 3332.6 | 3332.6 |
| 7.5° | 3423.7 | 3423.7 | 3423.7 | 3410.1 | 3401.0 | 3387.3 | 3364.5 | 3341.8 | 3319.0 | 3296.3 | 3287.1 |
| 10° | 3423.7 | 3423.7 | 3419.2 | 3401.0 | 3391.9 | 3364.5 | 3341.8 | 3309.9 | 3278.1 | 3246.2 | 3237.1 |
| 12.5° | 3410.1 | 3414.6 | 3405.5 | 3387.3 | 3364.5 | 3332.6 | 3300.8 | 3259.9 | 3223.4 | 3187.0 | 3168.8 |
| 15° | 3391.9 | 3387.3 | 3378.2 | 3355.5 | 3328.1 | 3287.1 | 3255.2 | 3209.7 | 3159.6 | 3114.1 | 3095.9 |
| 17.5° | 3346.3 | 3346.3 | 3332.6 | 3309.9 | 3273.4 | 3227.9 | 3177.8 | 3127.8 | 3073.2 | 3023.0 | 3000.3 |
| 20° | 3287.1 | 3287.1 | 3268.9 | 3241.6 | 3205.2 | 3146.0 | 3091.4 | 3032.2 | 2968.5 | 2918.4 | 2895.6 |
| 22.5° | 3200.7 | 3205.2 | 3182.5 | 3150.6 | 3109.6 | 3041.3 | 2986.6 | 2913.8 | 2850.0 | 2790.9 | 2772.6 |
| 25° | 3086.8 | 3095.9 | 3073.2 | 3041.3 | 2986.6 | 2927.4 | 2859.2 | 2790.9 | 2718.1 | 2658.8 | 2631.5 |
| 27.5° | 2954.8 | 2959.3 | 2936.6 | 2904.7 | 2850.0 | 2786.3 | 2718.1 | 2645.2 | 2576.9 | 2513.2 | 2485.8 |
| 30° | 2809.1 | 2790.9 | 2781.8 | 2740.8 | 2681.7 | 2627.0 | 2549.6 | 2490.4 | 2417.6 | 2362.9 | 2331.0 |
| 32.5° | 2604.3 | 2613.3 | 2586.0 | 2554.1 | 2508.6 | 2444.8 | 2381.1 | 2312.8 | 2244.6 | 2203.6 | 2180.9 |
| 35° | 2399.3 | 2408.4 | 2394.8 | 2362.9 | 2312.8 | 2258.1 | 2194.4 | 2144.4 | 2085.1 | 2035.1 | 2012.4 |
| 37.5° | 2185.4 | 2185.4 | 2176.2 | 2158.0 | 2121.7 | 2071.6 | 2007.7 | 1957.7 | 1907.6 | 1866.6 | 1853.1 |
| 40° | 1971.4 | 1962.3 | 1957.7 | 1944.0 | 1912.1 | 1866.6 | 1825.7 | 1784.7 | 1734.6 | 1707.3 | 1689.1 |
| 42.5° | 1762.0 | 1762.0 | 1752.8 | 1739.2 | 1707.3 | 1684.6 | 1643.6 | 1598.0 | 1561.6 | 1534.3 | 1534.3 |
| 45° | 1570.7 | 1575.3 | 1561.6 | 1552.5 | 1534.3 | 1497.9 | 1461.4 | 1429.5 | 1397.7 | 1379.5 | 1370.4 |
| 47.5° | 1402.3 | 1402.3 | 1388.6 | 1379.5 | 1361.3 | 1329.4 | 1297.6 | 1270.2 | 1247.5 | 1233.8 | 1229.3 |
| 50° | 1243.0 | 1243.0 | 1243.0 | 1220.2 | 1197.4 | 1174.6 | 1151.9 | 1120.0 | 1106.4 | 1097.2 | 1092.7 |
| 52.5° | 1106.4 | 1101.7 | 1101.7 | 1083.5 | 1060.8 | 1033.5 | 1010.8 | 983.4 | 969.7 | 960.6 | 965.2 |
| 55° | 983.4 | 983.4 | 978.9 | 956.1 | 933.4 | 906.0 | 883.3 | 860.5 | 851.3 | 842.3 | 846.8 |
| 56° | 933.4 | 933.4 | 928.7 | 910.5 | 883.3 | 860.5 | 833.1 | 810.4 | 796.7 | 801.3 | 801.3 |
| 57° | 896.9 | 887.8 | 887.8 | 865.0 | 842.3 | 810.4 | 787.6 | 764.9 | 755.7 | 751.2 | 751.2 |
| 58° | 851.3 | 846.8 | 842.3 | 819.5 | 796.7 | 769.4 | 746.7 | 723.9 | 710.2 | 710.2 | 705.7 |
| 59° | 805.9 | 805.9 | 796.7 | 778.6 | 755.7 | 728.5 | 705.7 | 683.0 | 669.3 | 664.8 | 664.8 |
| 60° | 764.9 | 769.4 | 755.7 | 737.5 | 719.3 | 687.5 | 660.1 | 641.9 | 628.3 | 623.7 | 623.7 |
| 61° | 728.5 | 728.5 | 719.3 | 696.6 | 673.8 | 651.1 | 623.7 | 600.9 | 591.9 | 582.7 | 582.7 |
| 62° | 696.6 | 687.5 | 683.0 | 660.1 | 637.4 | 610.1 | 587.4 | 564.5 | 550.9 | 541.8 | 546.3 |
| 63° | 655.6 | 651.1 | 641.9 | 623.7 | 600.9 | 573.7 | 546.3 | 528.2 | 514.5 | 500.8 | 505.3 |
| 64° | 623.7 | 619.2 | 605.6 | 587.4 | 564.5 | 537.2 | 510.0 | 491.7 | 482.6 | 468.9 | 464.4 |
| 65° | 582.7 | 578.2 | 573.7 | 550.9 | 528.2 | 500.8 | 478.1 | 459.8 | 446.2 | 437.1 | 427.9 |
| 66° | 546.3 | 550.9 | 541.8 | 523.5 | 496.3 | 473.5 | 441.6 | 423.4 | 414.4 | 400.7 | 391.5 |
| 67° | 514.5 | 514.5 | 505.3 | 487.1 | 459.8 | 437.1 | 414.4 | 391.5 | 377.9 | 364.2 | 359.7 |
| 67.5° | 496.3 | 496.3 | 487.1 | 464.4 | 446.2 | 418.9 | 396.1 | 377.9 | 359.7 | 350.5 | 341.5 |
| 68° | 478.1 | 478.1 | 473.5 | 455.3 | 432.6 | 405.2 | 382.4 | 359.7 | 341.5 | 327.8 | 323.3 |
| 69° | 446.2 | 450.7 | 441.6 | 423.4 | 400.7 | 373.3 | 350.5 | 332.3 | 314.1 | 300.5 | 291.4 |
| 70° | 418.9 | 414.4 | 405.2 | 387.0 | 364.2 | 346.0 | 323.3 | 300.5 | 282.3 | 264.1 | 259.6 |
| 71° | 382.4 | 382.4 | 373.3 | 359.7 | 337.0 | 314.1 | 291.4 | 273.1 | 254.9 | 232.2 | 227.7 |
| 72° | 355.2 | 355.2 | 346.0 | 327.8 | 309.6 | 286.8 | 264.1 | 241.2 | 227.7 | 204.9 | 195.8 |
| 72.5° | 337.0 | 341.5 | 332.3 | 314.1 | 295.9 | 268.6 | 250.4 | 232.2 | 209.4 | 191.2 | 182.2 |
| 73° | 327.8 | 323.3 | 318.7 | 300.5 | 277.8 | 259.6 | 236.7 | 218.5 | 195.8 | 177.5 | 168.5 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 77.5° | 204.9 | 204.9 | 200.3 | 182.2 | 163.8 | 145.7 | 127.5 | 109.3 | 91.1 | 72.9 | 63.7 |
| 80° | 141.1 | 145.7 | 136.6 | 127.5 | 113.8 | 95.6 | 77.4 | 63.7 | 45.5 | 36.4 | 27.3 |
| 82.5° | 91.1 | 91.1 | 86.6 | 77.4 | 68.2 | 54.6 | 45.5 | 31.9 | 22.7 | 18.2 | 13.7 |
| 85° | 45.5 | 50.1 | 45.5 | 41.0 | 31.9 | 27.3 | 22.7 | 13.7 | 9.2 | 4.5 | 4.5 |
| 87.5° | 18.2 | 18.2 | 18.2 | 13.7 | 13.7 | 9.2 | 4.5 | 4.5 | 4.5 | 0.0 | 0.0 |
| 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):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3360.0 | 3360.0 | 3360.0 | 3360.0 | 3360.0 | 3360.0 | 3360.0 | 3360.0 | 3360.0 | 3360.0 |
| 2.5° | 3346.3 | 3346.3 | 3337.2 | 3332.6 | 3328.1 | 3323.6 | 3319.0 | 3314.5 | 3314.5 | 3319.0 |
| 5° | 3319.0 | 3309.9 | 3291.7 | 3287.1 | 3273.4 | 3268.9 | 3259.9 | 3255.2 | 3259.9 | 3255.2 |
| 7.5° | 3278.1 | 3259.9 | 3237.1 | 3227.9 | 3209.7 | 3200.7 | 3187.0 | 3187.0 | 3177.8 | 3182.5 |
| 10° | 3223.4 | 3196.0 | 3168.8 | 3150.6 | 3136.9 | 3123.3 | 3114.1 | 3105.1 | 3100.4 | 3100.4 |
| 12.5° | 3155.1 | 3123.3 | 3095.9 | 3068.6 | 3045.9 | 3036.7 | 3018.5 | 3018.5 | 3009.5 | 3004.8 |
| 15° | 3077.7 | 3036.7 | 3004.8 | 2977.5 | 2959.3 | 2941.1 | 2927.4 | 2918.4 | 2909.2 | 2909.2 |
| 17.5° | 2977.5 | 2941.1 | 2909.2 | 2877.4 | 2850.0 | 2836.4 | 2822.8 | 2809.1 | 2809.1 | 2800.0 |
| 20° | 2868.2 | 2827.3 | 2800.0 | 2768.1 | 2745.4 | 2722.6 | 2704.4 | 2704.4 | 2695.2 | 2699.9 |
| 22.5° | 2745.4 | 2695.2 | 2668.0 | 2645.2 | 2622.5 | 2604.3 | 2586.0 | 2586.0 | 2581.4 | 2576.9 |
| 25° | 2608.8 | 2567.8 | 2535.9 | 2508.6 | 2495.0 | 2476.7 | 2472.2 | 2463.1 | 2458.5 | 2458.5 |
| 27.5° | 2463.1 | 2431.3 | 2390.2 | 2376.6 | 2358.4 | 2349.2 | 2349.2 | 2344.7 | 2335.6 | 2340.2 |
| 30° | 2308.3 | 2271.8 | 2249.1 | 2240.0 | 2221.8 | 2221.8 | 2217.2 | 2208.1 | 2208.1 | 2212.7 |
| 32.5° | 2158.0 | 2121.7 | 2103.5 | 2098.8 | 2080.6 | 2080.6 | 2076.1 | 2080.6 | 2080.6 | 2085.1 |
| 35° | 1994.2 | 1962.3 | 1957.7 | 1944.0 | 1939.5 | 1939.5 | 1939.5 | 1948.7 | 1957.7 | 1944.0 |
| 37.5° | 1839.4 | 1816.6 | 1802.9 | 1798.4 | 1802.9 | 1802.9 | 1807.5 | 1821.1 | 1816.6 | 1812.0 |
| 40° | 1679.9 | 1661.7 | 1652.7 | 1652.7 | 1661.7 | 1670.9 | 1670.9 | 1684.6 | 1689.1 | 1684.6 |
| 42.5° | 1520.6 | 1506.9 | 1506.9 | 1511.6 | 1520.6 | 1525.2 | 1538.8 | 1552.5 | 1557.1 | 1561.6 |
| 45° | 1370.4 | 1370.4 | 1370.4 | 1375.0 | 1379.5 | 1388.6 | 1406.8 | 1420.5 | 1425.0 | 1429.5 |
| 47.5° | 1224.7 | 1220.2 | 1233.8 | 1238.3 | 1252.0 | 1256.5 | 1270.2 | 1288.4 | 1293.0 | 1297.6 |
| 50° | 1088.2 | 1097.2 | 1101.7 | 1115.4 | 1124.6 | 1124.6 | 1142.7 | 1151.9 | 1165.6 | 1165.6 |
| 52.5° | 960.6 | 974.3 | 978.9 | 992.5 | 997.1 | 1001.6 | 1010.8 | 1024.4 | 1033.5 | 1033.5 |
| 55° | 846.8 | 851.3 | 860.5 | 865.0 | 878.7 | 883.3 | 892.3 | 896.9 | 910.5 | 906.0 |
| 56° | 796.7 | 805.9 | 810.4 | 819.5 | 828.6 | 833.1 | 842.3 | 846.8 | 856.0 | 860.5 |
| 57° | 751.2 | 755.7 | 769.4 | 774.0 | 783.1 | 783.1 | 787.6 | 801.3 | 801.3 | 805.9 |
| 58° | 705.7 | 714.8 | 719.3 | 723.9 | 733.0 | 737.5 | 746.7 | 751.2 | 755.7 | 751.2 |
| 59° | 664.8 | 669.3 | 673.8 | 673.8 | 683.0 | 683.0 | 696.6 | 705.7 | 710.2 | 710.2 |
| 60° | 623.7 | 623.7 | 628.3 | 632.8 | 641.9 | 646.5 | 646.5 | 655.6 | 655.6 | 655.6 |
| 61° | 582.7 | 582.7 | 587.4 | 591.9 | 596.4 | 596.4 | 605.6 | 605.6 | 610.1 | 614.6 |
| 62° | 546.3 | 541.8 | 541.8 | 546.3 | 546.3 | 555.5 | 560.0 | 564.5 | 569.1 | 564.5 |
| 63° | 505.3 | 500.8 | 500.8 | 500.8 | 500.8 | 510.0 | 510.0 | 514.5 | 523.5 | 519.0 |
| 64° | 459.8 | 459.8 | 459.8 | 459.8 | 464.4 | 464.4 | 473.5 | 478.1 | 482.6 | 487.1 |
| 65° | 427.9 | 418.9 | 414.4 | 414.4 | 418.9 | 423.4 | 427.9 | 432.6 | 437.1 | 437.1 |
| 66° | 391.5 | 382.4 | 377.9 | 377.9 | 377.9 | 377.9 | 387.0 | 387.0 | 396.1 | 396.1 |
| 67° | 350.5 | 341.5 | 337.0 | 332.3 | 332.3 | 332.3 | 346.0 | 341.5 | 341.5 | 341.5 |
| 67.5° | 337.0 | 323.3 | 318.7 | 314.1 | 309.6 | 318.7 | 314.1 | 318.7 | 318.7 | 314.1 |
| 68° | 318.7 | 309.6 | 300.5 | 291.4 | 291.4 | 291.4 | 295.9 | 300.5 | 295.9 | 291.4 |
| 69° | 282.3 | 277.8 | 264.1 | 254.9 | 250.4 | 254.9 | 250.4 | 254.9 | 250.4 | 254.9 |
| 70° | 250.4 | 236.7 | 223.1 | 218.5 | 214.0 | 214.0 | 214.0 | 209.4 | 214.0 | 209.4 |
| 71° | 218.5 | 204.9 | 191.2 | 182.2 | 177.5 | 177.5 | 173.0 | 177.5 | 173.0 | 177.5 |
| 72° | 186.7 | 173.0 | 154.8 | 145.7 | 145.7 | 145.7 | 145.7 | 141.1 | 145.7 | 141.1 |
| 72.5° | 173.0 | 154.8 | 141.1 | 132.0 | 127.5 | 127.5 | 127.5 | 127.5 | 122.9 | 127.5 |
| 73° | 159.3 | 141.1 | 122.9 | 118.4 | 118.4 | 118.4 | 113.8 | 109.3 | 113.8 | 113.8 |



TEST NUMBER: P593920
 CATALOG NUMBER: HCC8W80D010SL-HM86080950-81RWWH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 77.5° | 54.6 | 41.0 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 31.9 | 31.9 |
| 80° | 22.7 | 18.2 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 |
| 82.5° | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 |
| 85° | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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Peachtree City, GA 30269

Scaled Data Report



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

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|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 74° | 295.9 | 295.9 | 286.8 | 273.1 | 250.4 | 227.7 | 209.4 | 191.2 | 168.5 | 145.7 | 136.6 |
| 75° | 273.1 | 268.6 | 259.6 | 245.9 | 227.7 | 204.9 | 186.7 | 163.8 | 145.7 | 122.9 | 113.8 |

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|-----|-------|-------|-------|------|------|------|------|------|------|------|
| 74° | 132.0 | 109.3 | 100.1 | 91.1 | 91.1 | 91.1 | 86.6 | 86.6 | 86.6 | 91.1 |
| 75° | 104.8 | 86.6 | 77.4 | 68.2 | 72.9 | 68.2 | 72.9 | 68.2 | 68.2 | 68.2 |

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