

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: P585117

Luminaire Tested: **HCC8S60D010SL-HM86080840-81WWW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585117
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S60D010SL-HM86080840-81WWW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

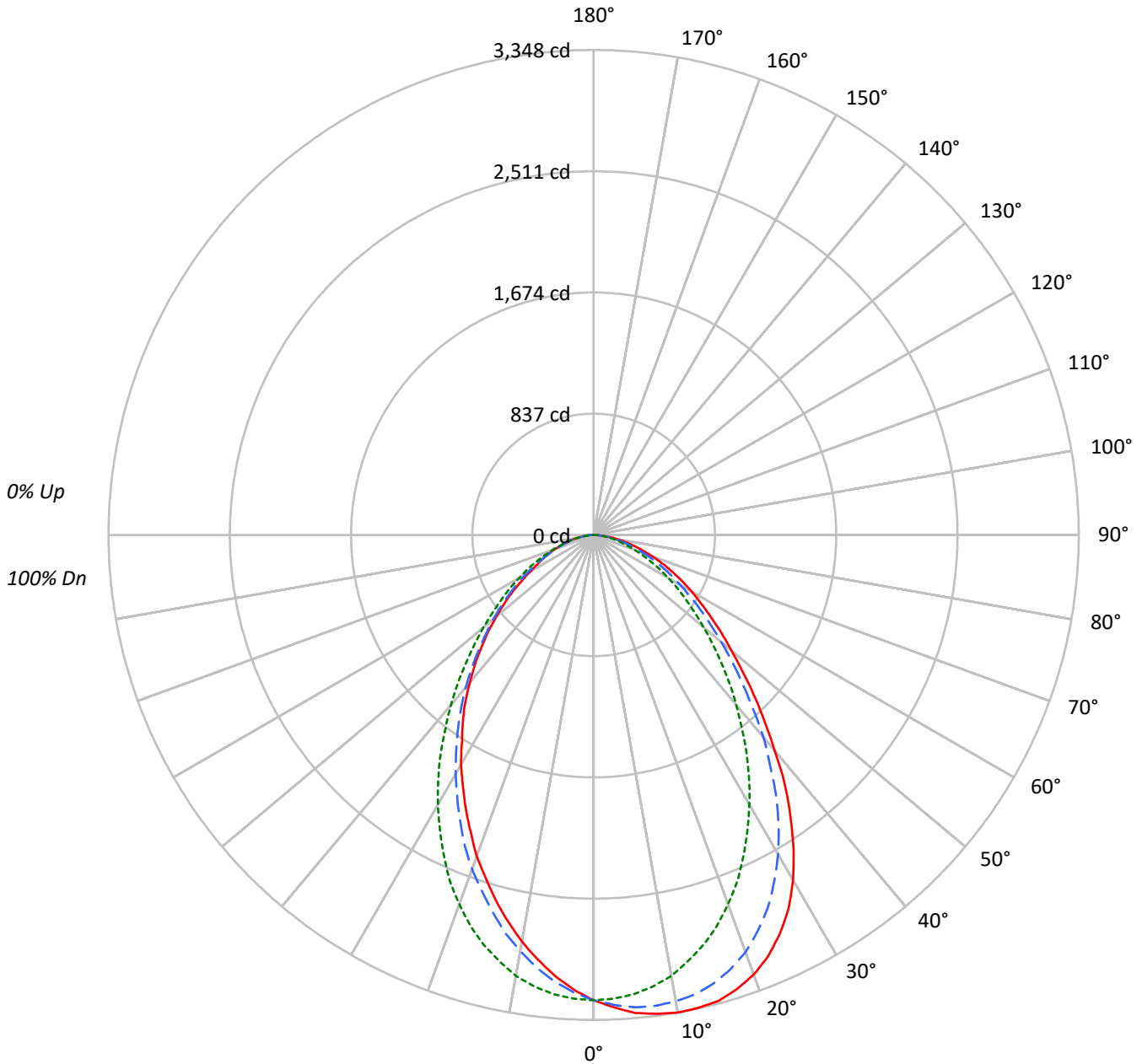
Lumens per Lamp: N/A
Luminaire Lumens: 5929.2 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.04 / 1.13
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 56
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: P585117
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Luminous Intensity Polar Plot





TEST NUMBER: P585117

CATALOG NUMBER: HCC8S60D010SL-HM86080840-81WWW

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 | 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 | | | |
| 1 | 110 | 106 | 103 | 99 | 108 | 104 | 101 | 98 | 100 | 97 | 95 | 96 | 94 | 92 | 93 | 91 | 89 | 87 | | | | | 87 | | | |
| 2 | 102 | 95 | 89 | 84 | 99 | 93 | 88 | 83 | 90 | 85 | 81 | 86 | 83 | 79 | 83 | 80 | 78 | 76 | | | | | 76 | | | |
| 3 | 94 | 85 | 78 | 72 | 92 | 83 | 77 | 71 | 81 | 75 | 70 | 78 | 73 | 69 | 75 | 71 | 68 | 66 | | | | | 66 | | | |
| 4 | 87 | 76 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 68 | 64 | 60 | 58 | | | | | 58 | | | |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 60 | 54 | 64 | 59 | 54 | 63 | 57 | 53 | 51 | | | | | 51 | | | |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 55 | 49 | 61 | 54 | 49 | 59 | 53 | 48 | 57 | 52 | 48 | 46 | | | | | 46 | | | |
| 7 | 70 | 58 | 50 | 44 | 69 | 57 | 50 | 44 | 56 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 43 | 41 | | | | | 41 | | | |
| 8 | 66 | 53 | 46 | 40 | 64 | 53 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 39 | 38 | | | | | 38 | | | |
| 9 | 62 | 49 | 42 | 37 | 60 | 49 | 42 | 37 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 34 | | | | | 34 | | | |
| 10 | 58 | 46 | 39 | 34 | 57 | 45 | 38 | 34 | 44 | 38 | 33 | 44 | 38 | 33 | 43 | 37 | 33 | 32 | | | | | 32 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|-------|-------|
| 0° | 99068 | 99068 | 99068 |
| 5° | 102551 | 98502 | 94590 |
| 10° | 104829 | 96776 | 89271 |
| 15° | 106320 | 93518 | 83360 |
| 20° | 106000 | 88975 | 77392 |
| 25° | 103379 | 83209 | 71042 |
| 30° | 97940 | 76522 | 65192 |
| 35° | 89104 | 69250 | 59241 |
| 40° | 78262 | 61593 | 53518 |
| 45° | 68244 | 54176 | 47713 |
| 50° | 59395 | 47469 | 42034 |
| 55° | 52966 | 41714 | 36558 |
| 60° | 48123 | 36560 | 31188 |
| 65° | 43254 | 31805 | 28310 |
| 70° | 38516 | 27120 | 25551 |
| 75° | 33765 | 22852 | 21803 |
| 80° | 28626 | 18575 | 19356 |
| 85° | 21582 | 13869 | 15426 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 300.9 | 5.1 |
| 10°-20° | 829.1 | 14.0 |
| 20°-30° | 1150.9 | 19.4 |
| 30°-40° | 1189.9 | 20.1 |
| 40°-50° | 996.3 | 16.8 |
| 50°-60° | 723.3 | 12.2 |
| 60°-70° | 456.4 | 7.7 |
| 70°-80° | 226.1 | 3.8 |
| 80°-90° | 56.2 | 0.9 |
| 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° | 2281.0 | 38.5 |
| 0°-40° | 3470.9 | 58.5 |
| 0°-60° | 5190.5 | 87.5 |
| 0°-90° | 5929.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5929.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3213 | 3213 | 3213 | 3213 | 3213 | |
| 5° | 3313 | 3274 | 3182 | 3095 | 3056 | 317 |
| 15° | 3330 | 3204 | 2929 | 2694 | 2611 | 937 |
| 25° | 3038 | 2842 | 2446 | 2180 | 2088 | 1392 |
| 35° | 2367 | 2193 | 1840 | 1630 | 1574 | 1474 |
| 45° | 1565 | 1452 | 1242 | 1120 | 1094 | 1210 |
| 55° | 985 | 898 | 776 | 710 | 680 | 889 |
| 65° | 593 | 519 | 436 | 384 | 388 | 591 |
| 75° | 283 | 235 | 192 | 183 | 183 | 304 |
| 85° | 61 | 48 | 39 | 44 | 44 | 74 |
| 90° | 0 | 0 | 0 | 0 | 0 | |

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 |
| 2.5° | 3265.0 | 3265.0 | 3269.4 | 3265.0 | 3265.0 | 3265.0 | 3260.7 | 3260.7 | 3256.3 | 3256.3 | 3247.6 |
| 5° | 3313.0 | 3304.3 | 3313.0 | 3304.3 | 3304.3 | 3304.3 | 3299.9 | 3291.2 | 3286.8 | 3278.1 | 3273.8 |
| 7.5° | 3334.8 | 3330.4 | 3330.4 | 3326.1 | 3326.1 | 3321.7 | 3317.3 | 3313.0 | 3295.6 | 3291.2 | 3278.1 |
| 10° | 3347.9 | 3343.5 | 3343.5 | 3339.1 | 3330.4 | 3330.4 | 3321.7 | 3317.3 | 3295.6 | 3286.8 | 3269.4 |
| 12.5° | 3343.5 | 3343.5 | 3343.5 | 3339.1 | 3326.1 | 3321.7 | 3313.0 | 3299.9 | 3282.5 | 3265.0 | 3247.6 |
| 15° | 3330.4 | 3330.4 | 3321.7 | 3317.3 | 3304.3 | 3295.6 | 3291.2 | 3269.4 | 3252.0 | 3230.2 | 3204.0 |
| 17.5° | 3286.8 | 3286.8 | 3282.5 | 3273.8 | 3260.7 | 3252.0 | 3243.2 | 3221.4 | 3204.0 | 3169.1 | 3143.0 |
| 20° | 3230.2 | 3225.8 | 3221.4 | 3208.4 | 3195.3 | 3190.9 | 3177.8 | 3147.4 | 3125.6 | 3099.4 | 3064.5 |
| 22.5° | 3147.4 | 3143.0 | 3138.6 | 3129.9 | 3108.1 | 3099.4 | 3090.7 | 3068.9 | 3029.6 | 3003.5 | 2959.9 |
| 25° | 3038.4 | 3038.4 | 3029.6 | 3016.6 | 2994.8 | 2986.0 | 2973.0 | 2951.2 | 2916.3 | 2877.0 | 2842.2 |
| 27.5° | 2912.0 | 2907.6 | 2894.5 | 2885.8 | 2868.4 | 2855.2 | 2833.4 | 2807.4 | 2772.4 | 2742.0 | 2698.4 |
| 30° | 2750.6 | 2750.6 | 2742.0 | 2728.8 | 2707.0 | 2698.4 | 2681.0 | 2650.4 | 2615.6 | 2576.2 | 2545.8 |
| 32.5° | 2567.6 | 2567.6 | 2554.4 | 2545.8 | 2532.8 | 2511.0 | 2506.6 | 2471.6 | 2441.2 | 2410.6 | 2375.8 |
| 35° | 2367.0 | 2371.4 | 2362.7 | 2345.2 | 2323.4 | 2323.4 | 2314.8 | 2284.2 | 2249.4 | 2218.8 | 2192.7 |
| 37.5° | 2166.5 | 2153.4 | 2149.1 | 2140.4 | 2127.3 | 2109.8 | 2101.1 | 2088.0 | 2057.6 | 2035.8 | 1996.5 |
| 40° | 1944.2 | 1948.6 | 1939.8 | 1931.1 | 1926.8 | 1913.7 | 1909.3 | 1887.5 | 1865.7 | 1839.6 | 1822.1 |
| 42.5° | 1743.7 | 1743.7 | 1743.7 | 1734.9 | 1726.3 | 1713.1 | 1708.8 | 1695.7 | 1669.5 | 1652.1 | 1625.9 |
| 45° | 1564.9 | 1551.9 | 1551.9 | 1547.5 | 1543.1 | 1534.5 | 1521.3 | 1512.7 | 1495.2 | 1482.1 | 1451.7 |
| 47.5° | 1390.5 | 1394.9 | 1390.5 | 1386.3 | 1373.1 | 1368.7 | 1364.5 | 1346.9 | 1329.5 | 1316.5 | 1294.7 |
| 50° | 1238.1 | 1246.7 | 1238.1 | 1238.1 | 1229.3 | 1224.9 | 1216.3 | 1203.1 | 1190.1 | 1168.3 | 1146.5 |
| 52.5° | 1111.6 | 1111.6 | 1107.3 | 1102.9 | 1089.8 | 1081.1 | 1076.7 | 1072.3 | 1050.5 | 1033.1 | 1015.7 |
| 55° | 985.2 | 989.5 | 989.5 | 976.5 | 972.1 | 963.4 | 959.1 | 945.9 | 937.3 | 911.1 | 898.0 |
| 57.5° | 876.2 | 871.9 | 876.2 | 867.5 | 858.7 | 850.1 | 845.7 | 837.0 | 823.9 | 806.5 | 789.0 |
| 60° | 780.3 | 771.6 | 771.6 | 767.2 | 758.5 | 754.1 | 745.4 | 732.3 | 719.3 | 701.8 | 688.8 |
| 62.5° | 684.4 | 680.0 | 675.7 | 671.3 | 662.6 | 658.2 | 653.9 | 640.8 | 627.7 | 614.6 | 601.6 |
| 65° | 592.8 | 592.8 | 588.5 | 579.8 | 575.4 | 571.0 | 566.7 | 558.0 | 540.5 | 531.8 | 518.8 |
| 67.5° | 510.0 | 505.7 | 505.7 | 497.0 | 488.2 | 483.9 | 483.9 | 475.2 | 462.1 | 449.0 | 440.3 |
| 70° | 427.2 | 431.6 | 427.2 | 422.8 | 414.1 | 414.1 | 405.4 | 401.0 | 383.6 | 379.2 | 366.2 |
| 72.5° | 353.1 | 353.1 | 348.8 | 348.8 | 340.0 | 335.6 | 335.6 | 327.0 | 318.2 | 309.5 | 300.8 |
| 75° | 283.4 | 283.4 | 283.4 | 279.0 | 274.6 | 265.9 | 265.9 | 261.6 | 252.8 | 244.1 | 235.4 |
| 77.5° | 222.4 | 218.0 | 218.0 | 213.6 | 209.2 | 204.8 | 204.8 | 200.6 | 191.8 | 187.4 | 178.8 |
| 80° | 161.2 | 157.0 | 157.0 | 157.0 | 148.2 | 152.6 | 148.2 | 143.8 | 139.4 | 135.2 | 130.8 |
| 82.5° | 104.6 | 109.0 | 109.0 | 104.6 | 100.2 | 100.2 | 100.2 | 95.8 | 95.8 | 91.6 | 87.2 |
| 85° | 61.0 | 61.0 | 61.0 | 61.0 | 56.6 | 56.6 | 56.6 | 52.4 | 52.4 | 52.4 | 48.0 |
| 87.5° | 26.2 | 26.2 | 26.2 | 26.2 | 26.2 | 26.2 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 |
| 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):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 |
| 2.5° | 3247.6 | 3238.9 | 3234.5 | 3230.2 | 3230.2 | 3225.8 | 3221.4 | 3212.7 | 3212.7 | 3204.0 | 3199.6 |
| 5° | 3265.0 | 3252.0 | 3243.2 | 3234.5 | 3230.2 | 3221.4 | 3212.7 | 3199.6 | 3195.3 | 3182.2 | 3169.1 |
| 7.5° | 3269.4 | 3247.6 | 3238.9 | 3221.4 | 3212.7 | 3204.0 | 3186.6 | 3173.5 | 3156.0 | 3143.0 | 3125.6 |
| 10° | 3252.0 | 3234.5 | 3212.7 | 3190.9 | 3186.6 | 3173.5 | 3147.4 | 3129.9 | 3108.1 | 3090.7 | 3064.5 |
| 12.5° | 3225.8 | 3199.6 | 3177.8 | 3151.7 | 3138.6 | 3125.6 | 3099.4 | 3073.2 | 3042.7 | 3012.2 | 2986.0 |
| 15° | 3182.2 | 3151.7 | 3121.2 | 3090.7 | 3073.2 | 3060.2 | 3029.6 | 2999.2 | 2968.6 | 2929.4 | 2903.2 |
| 17.5° | 3116.8 | 3082.0 | 3051.4 | 3012.2 | 2994.8 | 2981.7 | 2942.4 | 2907.6 | 2868.4 | 2829.2 | 2803.0 |
| 20° | 3034.0 | 2990.4 | 2955.6 | 2912.0 | 2898.8 | 2877.0 | 2837.8 | 2798.6 | 2755.0 | 2711.4 | 2681.0 |
| 22.5° | 2925.0 | 2881.4 | 2842.2 | 2798.6 | 2776.8 | 2755.0 | 2715.8 | 2667.8 | 2624.2 | 2589.4 | 2558.8 |
| 25° | 2798.6 | 2759.4 | 2711.4 | 2672.2 | 2646.0 | 2619.8 | 2576.2 | 2537.0 | 2497.8 | 2445.6 | 2415.0 |
| 27.5° | 2659.2 | 2611.2 | 2576.2 | 2524.0 | 2497.8 | 2480.4 | 2432.4 | 2380.2 | 2345.2 | 2297.3 | 2262.4 |
| 30° | 2502.2 | 2458.6 | 2419.4 | 2367.0 | 2340.9 | 2323.4 | 2279.8 | 2231.9 | 2197.0 | 2149.1 | 2114.2 |
| 32.5° | 2336.6 | 2288.6 | 2240.6 | 2205.8 | 2175.2 | 2157.8 | 2109.8 | 2079.3 | 2035.8 | 1996.5 | 1957.3 |
| 35° | 2157.8 | 2109.8 | 2075.0 | 2027.0 | 2009.6 | 1992.2 | 1952.9 | 1913.7 | 1874.5 | 1839.6 | 1809.1 |
| 37.5° | 1966.0 | 1931.1 | 1891.9 | 1857.0 | 1843.9 | 1826.5 | 1778.5 | 1743.7 | 1713.1 | 1678.3 | 1652.1 |
| 40° | 1778.5 | 1748.1 | 1721.9 | 1687.0 | 1665.2 | 1652.1 | 1617.3 | 1586.7 | 1551.9 | 1530.1 | 1503.9 |
| 42.5° | 1608.5 | 1573.7 | 1547.5 | 1521.3 | 1499.5 | 1486.5 | 1455.9 | 1434.1 | 1408.1 | 1386.3 | 1355.7 |
| 45° | 1429.9 | 1412.3 | 1381.9 | 1360.1 | 1346.9 | 1329.5 | 1307.7 | 1281.7 | 1259.9 | 1242.3 | 1220.5 |
| 47.5° | 1272.9 | 1255.5 | 1233.7 | 1207.5 | 1198.7 | 1185.7 | 1163.9 | 1146.5 | 1129.1 | 1111.6 | 1089.8 |
| 50° | 1129.1 | 1107.3 | 1089.8 | 1072.3 | 1063.7 | 1050.5 | 1028.7 | 1020.1 | 1006.9 | 989.5 | 976.5 |
| 52.5° | 998.3 | 980.9 | 963.4 | 941.6 | 937.3 | 928.5 | 915.5 | 898.0 | 884.9 | 876.2 | 867.5 |
| 55° | 880.5 | 863.1 | 850.1 | 832.6 | 828.3 | 819.5 | 802.1 | 793.4 | 784.7 | 775.9 | 767.2 |
| 57.5° | 775.9 | 758.5 | 741.1 | 732.3 | 723.6 | 714.9 | 710.5 | 697.5 | 688.8 | 684.4 | 675.7 |
| 60° | 680.0 | 662.6 | 649.5 | 636.4 | 632.1 | 627.7 | 619.0 | 610.3 | 601.6 | 592.8 | 588.5 |
| 62.5° | 588.5 | 571.0 | 562.3 | 553.6 | 544.9 | 544.9 | 536.2 | 527.4 | 518.8 | 514.4 | 505.7 |
| 65° | 505.7 | 497.0 | 483.9 | 470.8 | 466.4 | 466.4 | 453.4 | 449.0 | 444.6 | 435.9 | 427.2 |
| 67.5° | 427.2 | 418.5 | 405.4 | 401.0 | 396.7 | 392.3 | 388.0 | 379.2 | 370.6 | 366.2 | 357.4 |
| 70° | 357.4 | 348.8 | 340.0 | 335.6 | 331.3 | 327.0 | 318.2 | 313.8 | 305.2 | 300.8 | 296.4 |
| 72.5° | 287.7 | 283.4 | 274.6 | 270.2 | 265.9 | 261.6 | 257.2 | 252.8 | 244.1 | 239.8 | 235.4 |
| 75° | 231.0 | 226.6 | 218.0 | 213.6 | 209.2 | 209.2 | 204.8 | 196.2 | 191.8 | 191.8 | 187.4 |
| 77.5° | 174.4 | 170.0 | 165.6 | 161.2 | 157.0 | 157.0 | 152.6 | 148.2 | 143.8 | 143.8 | 139.4 |
| 80° | 126.4 | 122.0 | 117.6 | 117.6 | 117.6 | 113.4 | 109.0 | 109.0 | 104.6 | 104.6 | 100.2 |
| 82.5° | 82.8 | 82.8 | 78.4 | 78.4 | 78.4 | 74.2 | 74.2 | 69.8 | 69.8 | 69.8 | 69.8 |
| 85° | 48.0 | 48.0 | 48.0 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 39.2 | 43.6 |
| 87.5° | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 17.4 | 17.4 | 17.4 |
| 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):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 |
| 2.5° | 3195.3 | 3190.9 | 3182.2 | 3182.2 | 3173.5 | 3173.5 | 3169.1 | 3164.8 | 3160.4 | 3156.0 | 3151.7 |
| 5° | 3164.8 | 3147.4 | 3138.6 | 3134.2 | 3125.6 | 3121.2 | 3108.1 | 3099.4 | 3095.0 | 3086.3 | 3077.6 |
| 7.5° | 3108.1 | 3090.7 | 3073.2 | 3068.9 | 3064.5 | 3047.1 | 3034.0 | 3020.9 | 3012.2 | 3003.5 | 2994.8 |
| 10° | 3042.7 | 3025.3 | 3003.5 | 2994.8 | 2986.0 | 2964.2 | 2946.8 | 2933.8 | 2916.3 | 2898.8 | 2894.5 |
| 12.5° | 2964.2 | 2938.1 | 2912.0 | 2903.2 | 2890.2 | 2868.4 | 2851.0 | 2829.2 | 2816.0 | 2794.2 | 2789.8 |
| 15° | 2872.7 | 2842.2 | 2820.4 | 2798.6 | 2789.8 | 2768.0 | 2737.6 | 2720.2 | 2694.0 | 2685.2 | 2663.4 |
| 17.5° | 2763.8 | 2733.2 | 2702.6 | 2694.0 | 2681.0 | 2650.4 | 2619.8 | 2598.0 | 2572.0 | 2558.8 | 2545.8 |
| 20° | 2650.4 | 2611.2 | 2580.6 | 2572.0 | 2554.4 | 2528.4 | 2497.8 | 2476.0 | 2454.2 | 2428.0 | 2415.0 |
| 22.5° | 2519.6 | 2476.0 | 2449.8 | 2428.0 | 2423.8 | 2393.2 | 2358.4 | 2340.9 | 2323.4 | 2301.6 | 2284.2 |
| 25° | 2375.8 | 2336.6 | 2306.0 | 2288.6 | 2279.8 | 2253.7 | 2227.6 | 2205.8 | 2179.6 | 2166.5 | 2144.7 |
| 27.5° | 2227.6 | 2201.4 | 2162.2 | 2144.7 | 2131.6 | 2109.8 | 2079.3 | 2066.3 | 2040.1 | 2022.7 | 2009.6 |
| 30° | 2083.7 | 2044.5 | 2022.7 | 2000.9 | 1987.8 | 1966.0 | 1939.8 | 1926.8 | 1905.0 | 1887.5 | 1874.5 |
| 32.5° | 1926.8 | 1900.6 | 1870.1 | 1861.4 | 1843.9 | 1822.1 | 1804.7 | 1782.9 | 1765.5 | 1748.1 | 1743.7 |
| 35° | 1782.9 | 1748.1 | 1717.5 | 1708.8 | 1695.7 | 1673.9 | 1665.2 | 1652.1 | 1630.3 | 1625.9 | 1608.5 |
| 37.5° | 1625.9 | 1608.5 | 1573.7 | 1560.6 | 1556.3 | 1538.8 | 1521.3 | 1512.7 | 1499.5 | 1486.5 | 1482.1 |
| 40° | 1477.7 | 1455.9 | 1438.5 | 1425.5 | 1416.7 | 1403.7 | 1386.3 | 1381.9 | 1373.1 | 1355.7 | 1351.3 |
| 42.5° | 1338.3 | 1316.5 | 1299.1 | 1294.7 | 1281.7 | 1268.5 | 1259.9 | 1246.7 | 1242.3 | 1238.1 | 1229.3 |
| 45° | 1203.1 | 1190.1 | 1172.7 | 1168.3 | 1163.9 | 1146.5 | 1137.7 | 1129.1 | 1120.3 | 1115.9 | 1107.3 |
| 47.5° | 1081.1 | 1068.0 | 1054.9 | 1050.5 | 1041.9 | 1037.5 | 1024.4 | 1020.1 | 1006.9 | 1002.7 | 998.3 |
| 50° | 963.4 | 954.7 | 945.9 | 941.6 | 932.9 | 928.5 | 919.8 | 911.1 | 902.3 | 898.0 | 893.7 |
| 52.5° | 858.7 | 850.1 | 841.3 | 837.0 | 832.6 | 823.9 | 815.2 | 806.5 | 802.1 | 797.7 | 793.4 |
| 55° | 758.5 | 749.8 | 745.4 | 741.1 | 736.7 | 732.3 | 719.3 | 714.9 | 710.5 | 706.2 | 697.5 |
| 57.5° | 667.0 | 658.2 | 649.5 | 649.5 | 645.2 | 640.8 | 632.1 | 623.4 | 623.4 | 614.6 | 605.9 |
| 60° | 584.1 | 575.4 | 566.7 | 562.3 | 558.0 | 549.2 | 544.9 | 540.5 | 536.2 | 531.8 | 523.1 |
| 62.5° | 497.0 | 492.6 | 483.9 | 483.9 | 475.2 | 470.8 | 466.4 | 462.1 | 457.7 | 449.0 | 444.6 |
| 65° | 422.8 | 418.5 | 409.8 | 405.4 | 405.4 | 401.0 | 392.3 | 388.0 | 383.6 | 383.6 | 379.2 |
| 67.5° | 353.1 | 348.8 | 340.0 | 335.6 | 335.6 | 331.3 | 327.0 | 327.0 | 322.6 | 318.2 | 322.6 |
| 70° | 292.0 | 283.4 | 283.4 | 279.0 | 279.0 | 274.6 | 270.2 | 270.2 | 270.2 | 274.6 | 274.6 |
| 72.5° | 231.0 | 226.6 | 222.4 | 222.4 | 222.4 | 222.4 | 218.0 | 218.0 | 222.4 | 226.6 | 226.6 |
| 75° | 183.0 | 178.8 | 178.8 | 178.8 | 174.4 | 174.4 | 178.8 | 178.8 | 183.0 | 183.0 | 183.0 |
| 77.5° | 135.2 | 135.2 | 135.2 | 135.2 | 135.2 | 135.2 | 139.4 | 139.4 | 143.8 | 143.8 | 143.8 |
| 80° | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 104.6 | 104.6 | 104.6 | 104.6 | 104.6 | 109.0 |
| 82.5° | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 74.2 | 74.2 | 74.2 | 74.2 |
| 85° | 39.2 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 |
| 87.5° | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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



TEST NUMBER: P585117

CATALOG NUMBER: HCC8S60D010SL-HM86080840-81WWW

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 | 3212.7 |
| 2.5° | 3147.4 | 3147.4 | 3147.4 | 3151.7 | 3143.0 | 3143.0 | 3143.0 | 3143.0 |
| 5° | 3073.2 | 3068.9 | 3064.5 | 3068.9 | 3060.2 | 3060.2 | 3055.8 | 3055.8 |
| 7.5° | 2981.7 | 2977.4 | 2973.0 | 2973.0 | 2964.2 | 2964.2 | 2959.9 | 2955.6 |
| 10° | 2881.4 | 2872.7 | 2877.0 | 2868.4 | 2864.0 | 2859.6 | 2855.2 | 2851.0 |
| 12.5° | 2772.4 | 2763.8 | 2759.4 | 2750.6 | 2742.0 | 2737.6 | 2742.0 | 2733.2 |
| 15° | 2654.8 | 2641.6 | 2637.4 | 2628.6 | 2619.8 | 2615.6 | 2615.6 | 2611.2 |
| 17.5° | 2524.0 | 2515.2 | 2511.0 | 2502.2 | 2497.8 | 2489.2 | 2484.8 | 2480.4 |
| 20° | 2402.0 | 2380.2 | 2384.5 | 2375.8 | 2371.4 | 2354.0 | 2354.0 | 2358.4 |
| 22.5° | 2266.8 | 2253.7 | 2245.0 | 2236.3 | 2231.9 | 2223.2 | 2223.2 | 2218.8 |
| 25° | 2131.6 | 2118.6 | 2114.2 | 2105.5 | 2101.1 | 2092.4 | 2088.0 | 2088.0 |
| 27.5° | 2000.9 | 1983.4 | 1983.4 | 1974.7 | 1966.0 | 1961.6 | 1957.3 | 1952.9 |
| 30° | 1861.4 | 1848.3 | 1843.9 | 1843.9 | 1839.6 | 1839.6 | 1826.5 | 1830.9 |
| 32.5° | 1730.6 | 1721.9 | 1717.5 | 1708.8 | 1708.8 | 1704.5 | 1704.5 | 1691.3 |
| 35° | 1599.9 | 1586.7 | 1591.1 | 1582.3 | 1578.1 | 1573.7 | 1578.1 | 1573.7 |
| 37.5° | 1473.4 | 1464.7 | 1464.7 | 1455.9 | 1455.9 | 1451.7 | 1447.3 | 1455.9 |
| 40° | 1346.9 | 1342.7 | 1338.3 | 1333.9 | 1338.3 | 1333.9 | 1325.1 | 1329.5 |
| 42.5° | 1220.5 | 1220.5 | 1216.3 | 1216.3 | 1211.9 | 1211.9 | 1211.9 | 1211.9 |
| 45° | 1107.3 | 1102.9 | 1102.9 | 1098.5 | 1098.5 | 1098.5 | 1098.5 | 1094.1 |
| 47.5° | 993.9 | 989.5 | 989.5 | 989.5 | 985.2 | 985.2 | 980.9 | 985.2 |
| 50° | 884.9 | 884.9 | 880.5 | 880.5 | 884.9 | 880.5 | 876.2 | 876.2 |
| 52.5° | 784.7 | 784.7 | 780.3 | 780.3 | 775.9 | 771.6 | 775.9 | 775.9 |
| 55° | 693.1 | 688.8 | 684.4 | 684.4 | 680.0 | 675.7 | 675.7 | 680.0 |
| 57.5° | 605.9 | 601.6 | 597.2 | 597.2 | 588.5 | 584.1 | 584.1 | 584.1 |
| 60° | 523.1 | 514.4 | 514.4 | 510.0 | 510.0 | 505.7 | 505.7 | 505.7 |
| 62.5° | 444.6 | 440.3 | 440.3 | 440.3 | 440.3 | 435.9 | 435.9 | 435.9 |
| 65° | 379.2 | 379.2 | 379.2 | 383.6 | 383.6 | 388.0 | 388.0 | 388.0 |
| 67.5° | 327.0 | 331.3 | 331.3 | 331.3 | 335.6 | 335.6 | 335.6 | 331.3 |
| 70° | 279.0 | 279.0 | 279.0 | 283.4 | 283.4 | 283.4 | 283.4 | 283.4 |
| 72.5° | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 |
| 75° | 183.0 | 187.4 | 187.4 | 187.4 | 183.0 | 187.4 | 187.4 | 183.0 |
| 77.5° | 143.8 | 143.8 | 143.8 | 143.8 | 143.8 | 143.8 | 143.8 | 143.8 |
| 80° | 109.0 | 109.0 | 109.0 | 109.0 | 109.0 | 109.0 | 109.0 | 109.0 |
| 82.5° | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| 85° | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 |
| 87.5° | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

Scaled Data Report



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

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(END OF REPORT)