

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: P585236

Luminaire Tested: **HCC8W80D010MB-HM86080835-81WWW**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P585236  
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: HCC8W80D010MB-HM86080835-81WWW  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

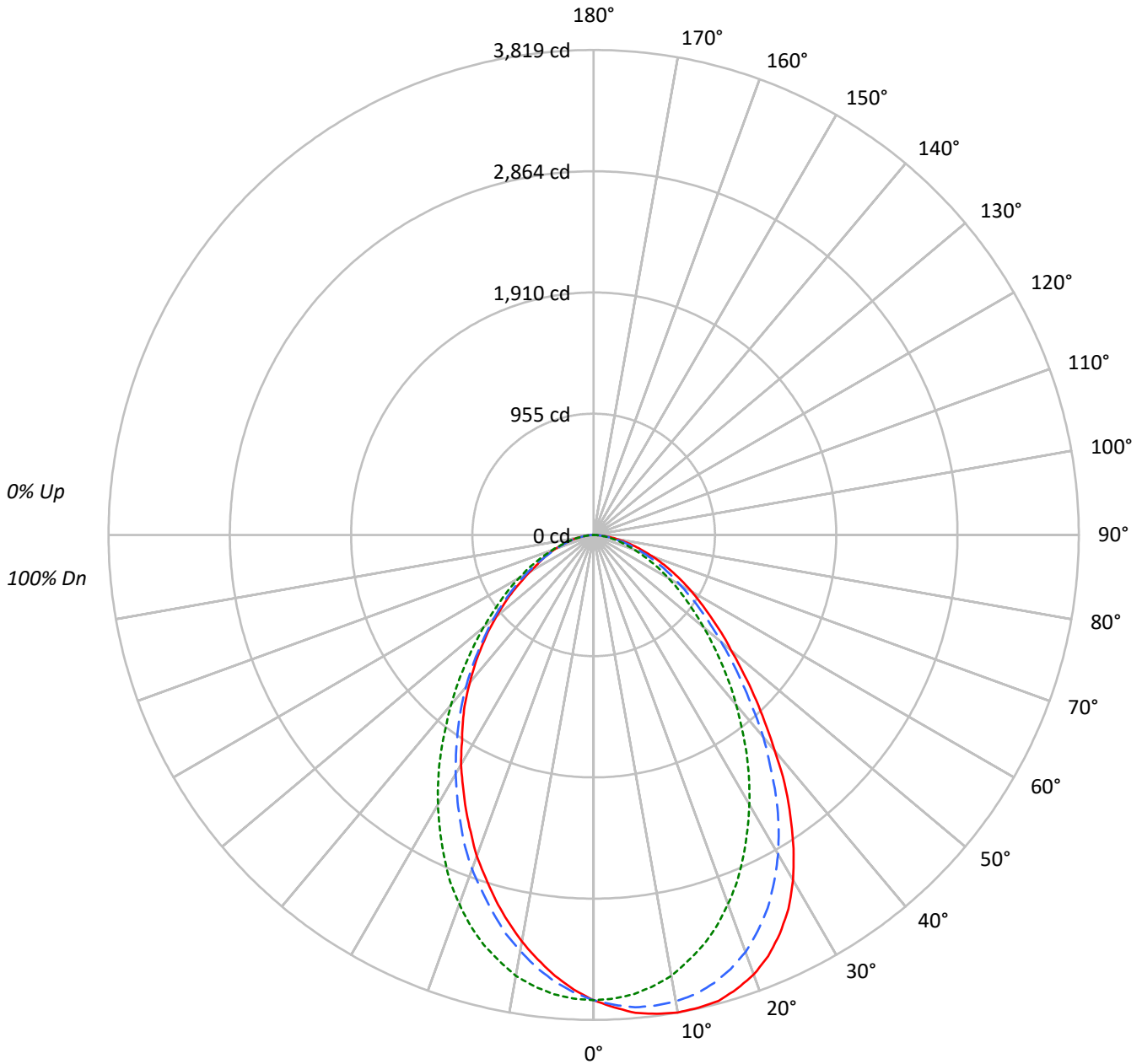
Lumens per Lamp: N/A  
Luminaire Lumens: 6762.9 lumens  
Efficiency: N/A  
Efficacy: 96.6 lumens/watt  
Spacing Criteria (0/90/45): 1.09 / 1.04 / 1.13  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 70  
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: 25 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 |  |  |  |  |   |
| 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 |    |    |    |  |  |  |  |   |
| 1   | 110 | 106 | 103 | 99  | 108 | 104 | 101 | 98  | 100 | 97  | 95  | 96  | 94  | 92  | 93  | 91  | 89  | 87  |    |    |    |  |  |  |  |   |
| 2   | 102 | 95  | 89  | 84  | 99  | 93  | 88  | 83  | 90  | 85  | 81  | 86  | 83  | 79  | 83  | 80  | 78  | 76  |    |    |    |  |  |  |  |   |
| 3   | 94  | 85  | 78  | 72  | 92  | 83  | 77  | 71  | 81  | 75  | 70  | 78  | 73  | 69  | 75  | 71  | 68  | 66  |    |    |    |  |  |  |  |   |
| 4   | 87  | 76  | 69  | 63  | 85  | 75  | 68  | 62  | 73  | 67  | 62  | 71  | 65  | 61  | 68  | 64  | 60  | 58  |    |    |    |  |  |  |  |   |
| 5   | 81  | 69  | 61  | 55  | 79  | 68  | 61  | 55  | 66  | 60  | 54  | 64  | 59  | 54  | 63  | 57  | 53  | 51  |    |    |    |  |  |  |  |   |
| 6   | 75  | 63  | 55  | 49  | 73  | 62  | 55  | 49  | 61  | 54  | 49  | 59  | 53  | 48  | 57  | 52  | 48  | 46  |    |    |    |  |  |  |  |   |
| 7   | 70  | 58  | 50  | 44  | 69  | 57  | 50  | 44  | 56  | 49  | 44  | 54  | 48  | 44  | 53  | 48  | 43  | 41  |    |    |    |  |  |  |  |   |
| 8   | 66  | 53  | 46  | 40  | 64  | 53  | 45  | 40  | 51  | 45  | 40  | 50  | 44  | 40  | 49  | 44  | 39  | 38  |    |    |    |  |  |  |  |   |
| 9   | 62  | 49  | 42  | 37  | 60  | 49  | 42  | 37  | 48  | 41  | 36  | 47  | 41  | 36  | 46  | 40  | 36  | 34  |    |    |    |  |  |  |  |   |
| 10  | 58  | 46  | 39  | 34  | 57  | 45  | 38  | 34  | 44  | 38  | 33  | 44  | 38  | 33  | 43  | 37  | 33  | 32  |    |    |    |  |  |  |  |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°     | 90°    | 180°   |
|-----|--------|--------|--------|
| 0°  | 112997 | 112997 | 112997 |
| 5°  | 116969 | 112354 | 107887 |
| 10° | 119568 | 110384 | 101820 |
| 15° | 121270 | 106665 | 95080  |
| 20° | 120905 | 101485 | 88270  |
| 25° | 117914 | 94907  | 81035  |
| 30° | 111712 | 87279  | 74354  |
| 35° | 101636 | 78985  | 67568  |
| 40° | 89267  | 70251  | 61045  |
| 45° | 77838  | 61799  | 54424  |
| 50° | 67742  | 54147  | 47944  |
| 55° | 60412  | 47584  | 41703  |
| 60° | 54889  | 41703  | 35573  |
| 65° | 49339  | 36278  | 32287  |
| 70° | 43935  | 30925  | 29140  |
| 75° | 38507  | 26068  | 24877  |
| 80° | 32657  | 21203  | 22073  |
| 85° | 24625  | 15815  | 17584  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 343.2  | 5.1       |
| 10°-20°   | 945.7  | 14.0      |
| 20°-30°   | 1312.7 | 19.4      |
| 30°-40°   | 1357.2 | 20.1      |
| 40°-50°   | 1136.4 | 16.8      |
| 50°-60°   | 825.0  | 12.2      |
| 60°-70°   | 520.6  | 7.7       |
| 70°-80°   | 257.9  | 3.8       |
| 80°-90°   | 64.1   | 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°    | 2601.7 | 38.5      |
| 0°-40°    | 3958.9 | 58.5      |
| 0°-60°    | 5920.3 | 87.5      |
| 0°-90°    | 6762.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6762.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 3664 | 3664 | 3664 | 3664 | 3664 |      |
| 5°  | 3779 | 3734 | 3630 | 3530 | 3485 | 361  |
| 15° | 3799 | 3654 | 3341 | 3073 | 2978 | 1069 |
| 25° | 3466 | 3242 | 2789 | 2486 | 2382 | 1588 |
| 35° | 2700 | 2501 | 2098 | 1860 | 1795 | 1681 |
| 45° | 1785 | 1656 | 1417 | 1278 | 1248 | 1381 |
| 55° | 1124 | 1024 | 885  | 810  | 776  | 1014 |
| 65° | 676  | 592  | 497  | 438  | 442  | 674  |
| 75° | 323  | 268  | 219  | 209  | 209  | 347  |
| 85° | 70   | 55   | 45   | 50   | 50   | 85   |
| 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°    | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 |
| 2.5°  | 3724.1 | 3724.1 | 3729.1 | 3724.1 | 3724.1 | 3724.1 | 3719.1 | 3719.1 | 3714.2 | 3714.2 | 3704.2 |
| 5°    | 3778.8 | 3768.9 | 3778.8 | 3768.9 | 3768.9 | 3768.9 | 3763.9 | 3753.9 | 3748.9 | 3739.0 | 3734.1 |
| 7.5°  | 3803.6 | 3798.7 | 3798.7 | 3793.7 | 3793.7 | 3788.7 | 3783.8 | 3778.8 | 3758.9 | 3753.9 | 3739.0 |
| 10°   | 3818.6 | 3813.6 | 3813.6 | 3808.6 | 3798.7 | 3798.7 | 3788.7 | 3783.8 | 3758.9 | 3748.9 | 3729.1 |
| 12.5° | 3813.6 | 3813.6 | 3813.6 | 3808.6 | 3793.7 | 3788.7 | 3778.8 | 3763.9 | 3744.0 | 3724.1 | 3704.2 |
| 15°   | 3798.7 | 3798.7 | 3788.7 | 3783.8 | 3768.9 | 3758.9 | 3753.9 | 3729.1 | 3709.2 | 3684.4 | 3654.5 |
| 17.5° | 3748.9 | 3748.9 | 3744.0 | 3734.1 | 3719.1 | 3709.2 | 3699.2 | 3674.4 | 3654.5 | 3614.7 | 3584.8 |
| 20°   | 3684.4 | 3679.4 | 3674.4 | 3659.5 | 3644.5 | 3639.5 | 3624.7 | 3589.8 | 3565.0 | 3535.1 | 3495.4 |
| 22.5° | 3589.8 | 3584.8 | 3580.0 | 3570.0 | 3545.1 | 3535.1 | 3525.3 | 3500.3 | 3455.6 | 3425.7 | 3376.0 |
| 25°   | 3465.6 | 3465.6 | 3455.6 | 3440.7 | 3415.9 | 3405.9 | 3390.9 | 3366.1 | 3326.3 | 3281.5 | 3241.8 |
| 27.5° | 3321.4 | 3316.4 | 3301.5 | 3291.5 | 3271.7 | 3256.7 | 3231.8 | 3202.0 | 3162.3 | 3127.4 | 3077.7 |
| 30°   | 3137.4 | 3137.4 | 3127.4 | 3112.6 | 3087.7 | 3077.7 | 3057.9 | 3023.0 | 2983.2 | 2938.5 | 2903.7 |
| 32.5° | 2928.5 | 2928.5 | 2913.6 | 2903.7 | 2888.8 | 2863.9 | 2859.0 | 2819.1 | 2784.4 | 2749.6 | 2709.7 |
| 35°   | 2699.9 | 2704.9 | 2694.9 | 2675.0 | 2650.2 | 2650.2 | 2640.2 | 2605.3 | 2565.6 | 2530.8 | 2500.9 |
| 37.5° | 2471.1 | 2456.2 | 2451.2 | 2441.3 | 2426.4 | 2406.5 | 2396.5 | 2381.7 | 2346.8 | 2322.0 | 2277.2 |
| 40°   | 2217.6 | 2222.5 | 2212.6 | 2202.6 | 2197.6 | 2182.8 | 2177.8 | 2152.9 | 2128.1 | 2098.2 | 2078.4 |
| 42.5° | 1988.8 | 1988.8 | 1988.8 | 1978.9 | 1969.0 | 1954.0 | 1949.0 | 1934.1 | 1904.3 | 1884.4 | 1854.6 |
| 45°   | 1784.9 | 1770.1 | 1770.1 | 1765.1 | 1760.1 | 1750.2 | 1735.2 | 1725.4 | 1705.4 | 1690.5 | 1655.7 |
| 47.5° | 1586.1 | 1591.1 | 1586.1 | 1581.1 | 1566.2 | 1561.3 | 1556.3 | 1536.4 | 1516.5 | 1501.6 | 1476.7 |
| 50°   | 1412.1 | 1422.0 | 1412.1 | 1412.1 | 1402.2 | 1397.2 | 1387.2 | 1372.3 | 1357.4 | 1332.5 | 1307.7 |
| 52.5° | 1267.8 | 1267.8 | 1263.0 | 1258.0 | 1243.0 | 1233.1 | 1228.1 | 1223.1 | 1198.3 | 1178.4 | 1158.4 |
| 55°   | 1123.7 | 1128.7 | 1128.7 | 1113.7 | 1108.7 | 1098.9 | 1093.9 | 1078.9 | 1069.0 | 1039.2 | 1024.2 |
| 57.5° | 999.4  | 994.4  | 999.4  | 989.5  | 979.5  | 969.5  | 964.6  | 954.6  | 939.7  | 919.8  | 900.0  |
| 60°   | 890.0  | 880.1  | 880.1  | 875.1  | 865.1  | 860.1  | 850.3  | 835.3  | 820.4  | 800.6  | 785.6  |
| 62.5° | 780.6  | 775.7  | 770.7  | 765.7  | 755.7  | 750.7  | 745.9  | 730.9  | 716.0  | 701.0  | 686.2  |
| 65°   | 676.2  | 676.2  | 671.2  | 661.3  | 656.3  | 651.3  | 646.3  | 636.5  | 616.5  | 606.6  | 591.6  |
| 67.5° | 581.8  | 576.8  | 576.8  | 566.8  | 556.9  | 551.9  | 551.9  | 541.9  | 527.1  | 512.1  | 502.2  |
| 70°   | 487.3  | 492.2  | 487.3  | 482.3  | 472.4  | 472.4  | 462.4  | 457.4  | 437.6  | 432.6  | 417.7  |
| 72.5° | 402.7  | 402.7  | 397.7  | 397.7  | 387.9  | 382.9  | 382.9  | 372.9  | 363.0  | 353.0  | 343.0  |
| 75°   | 323.2  | 323.2  | 323.2  | 318.2  | 313.2  | 303.3  | 303.3  | 298.3  | 288.3  | 278.5  | 268.5  |
| 77.5° | 253.6  | 248.6  | 248.6  | 243.6  | 238.6  | 233.6  | 233.6  | 228.8  | 218.8  | 213.8  | 203.9  |
| 80°   | 183.9  | 178.9  | 178.9  | 178.9  | 169.1  | 174.1  | 169.1  | 164.1  | 159.1  | 154.1  | 149.2  |
| 82.5° | 119.4  | 124.3  | 124.3  | 119.4  | 114.4  | 114.4  | 114.4  | 109.4  | 109.4  | 104.4  | 99.4   |
| 85°   | 69.6   | 69.6   | 69.6   | 69.6   | 64.7   | 64.7   | 64.7   | 59.7   | 59.7   | 59.7   | 54.7   |
| 87.5° | 29.8   | 29.8   | 29.8   | 29.8   | 29.8   | 29.8   | 24.9   | 24.9   | 24.9   | 24.9   | 24.9   |
| 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°    | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 |
| 2.5°  | 3704.2 | 3694.2 | 3689.3 | 3684.4 | 3684.4 | 3679.4 | 3674.4 | 3664.4 | 3664.4 | 3654.5 | 3649.5 |
| 5°    | 3724.1 | 3709.2 | 3699.2 | 3689.3 | 3684.4 | 3674.4 | 3664.4 | 3649.5 | 3644.5 | 3629.7 | 3614.7 |
| 7.5°  | 3729.1 | 3704.2 | 3694.2 | 3674.4 | 3664.4 | 3654.5 | 3634.7 | 3619.7 | 3599.8 | 3584.8 | 3565.0 |
| 10°   | 3709.2 | 3689.3 | 3664.4 | 3639.5 | 3634.7 | 3619.7 | 3589.8 | 3570.0 | 3545.1 | 3525.3 | 3495.4 |
| 12.5° | 3679.4 | 3649.5 | 3624.7 | 3594.8 | 3580.0 | 3565.0 | 3535.1 | 3505.3 | 3470.6 | 3435.7 | 3405.9 |
| 15°   | 3629.7 | 3594.8 | 3560.0 | 3525.3 | 3505.3 | 3490.4 | 3455.6 | 3420.8 | 3386.0 | 3341.2 | 3311.4 |
| 17.5° | 3555.0 | 3515.3 | 3480.4 | 3435.7 | 3415.9 | 3400.9 | 3356.2 | 3316.4 | 3271.7 | 3226.9 | 3197.1 |
| 20°   | 3460.6 | 3410.9 | 3371.1 | 3321.4 | 3306.5 | 3281.5 | 3236.8 | 3192.1 | 3142.4 | 3092.6 | 3057.9 |
| 22.5° | 3336.2 | 3286.5 | 3241.8 | 3192.1 | 3167.3 | 3142.4 | 3097.6 | 3042.9 | 2993.2 | 2953.5 | 2918.6 |
| 25°   | 3192.1 | 3147.3 | 3092.6 | 3047.9 | 3018.0 | 2988.2 | 2938.5 | 2893.8 | 2849.0 | 2789.4 | 2754.6 |
| 27.5° | 3033.0 | 2978.3 | 2938.5 | 2878.8 | 2849.0 | 2829.1 | 2774.4 | 2714.7 | 2675.0 | 2620.3 | 2580.5 |
| 30°   | 2854.0 | 2804.3 | 2759.6 | 2699.9 | 2670.0 | 2650.2 | 2600.5 | 2545.8 | 2505.9 | 2451.2 | 2411.4 |
| 32.5° | 2665.0 | 2610.3 | 2555.6 | 2515.9 | 2481.1 | 2461.2 | 2406.5 | 2371.7 | 2322.0 | 2277.2 | 2232.5 |
| 35°   | 2461.2 | 2406.5 | 2366.7 | 2312.0 | 2292.2 | 2272.3 | 2227.5 | 2182.8 | 2137.9 | 2098.2 | 2063.4 |
| 37.5° | 2242.5 | 2202.6 | 2157.9 | 2118.1 | 2103.2 | 2083.2 | 2028.7 | 1988.8 | 1954.0 | 1914.3 | 1884.4 |
| 40°   | 2028.7 | 1993.8 | 1964.0 | 1924.2 | 1899.3 | 1884.4 | 1844.6 | 1809.9 | 1770.1 | 1745.2 | 1715.4 |
| 42.5° | 1834.7 | 1794.9 | 1765.1 | 1735.2 | 1710.4 | 1695.5 | 1660.7 | 1635.8 | 1606.0 | 1581.1 | 1546.3 |
| 45°   | 1630.8 | 1611.0 | 1576.1 | 1551.3 | 1536.4 | 1516.5 | 1491.6 | 1461.8 | 1436.9 | 1417.1 | 1392.2 |
| 47.5° | 1451.9 | 1431.9 | 1407.1 | 1377.2 | 1367.4 | 1352.4 | 1327.5 | 1307.7 | 1287.8 | 1267.8 | 1243.0 |
| 50°   | 1287.8 | 1263.0 | 1243.0 | 1223.1 | 1213.1 | 1198.3 | 1173.4 | 1163.4 | 1148.6 | 1128.7 | 1113.7 |
| 52.5° | 1138.6 | 1118.7 | 1098.9 | 1074.0 | 1069.0 | 1059.0 | 1044.2 | 1024.2 | 1009.3 | 999.4  | 989.5  |
| 55°   | 1004.3 | 984.5  | 969.5  | 949.7  | 944.7  | 934.8  | 914.8  | 904.9  | 895.0  | 885.1  | 875.1  |
| 57.5° | 885.1  | 865.1  | 845.3  | 835.3  | 825.4  | 815.4  | 810.4  | 795.6  | 785.6  | 780.6  | 770.7  |
| 60°   | 775.7  | 755.7  | 740.9  | 725.9  | 721.0  | 716.0  | 706.0  | 696.0  | 686.2  | 676.2  | 671.2  |
| 62.5° | 671.2  | 651.3  | 641.3  | 631.5  | 621.5  | 621.5  | 611.6  | 601.6  | 591.6  | 586.7  | 576.8  |
| 65°   | 576.8  | 566.8  | 551.9  | 537.0  | 532.0  | 532.0  | 517.1  | 512.1  | 507.1  | 497.2  | 487.3  |
| 67.5° | 487.3  | 477.3  | 462.4  | 457.4  | 452.4  | 447.5  | 442.5  | 432.6  | 422.6  | 417.7  | 407.7  |
| 70°   | 407.7  | 397.7  | 387.9  | 382.9  | 377.9  | 372.9  | 363.0  | 358.0  | 348.0  | 343.0  | 338.2  |
| 72.5° | 328.2  | 323.2  | 313.2  | 308.3  | 303.3  | 298.3  | 293.3  | 288.3  | 278.5  | 273.5  | 268.5  |
| 75°   | 263.5  | 258.6  | 248.6  | 243.6  | 238.6  | 238.6  | 233.6  | 223.8  | 218.8  | 218.8  | 213.8  |
| 77.5° | 198.9  | 193.9  | 188.9  | 183.9  | 178.9  | 178.9  | 174.1  | 169.1  | 164.1  | 164.1  | 159.1  |
| 80°   | 144.2  | 139.2  | 134.2  | 134.2  | 134.2  | 129.2  | 124.3  | 124.3  | 119.4  | 119.4  | 114.4  |
| 82.5° | 94.5   | 94.5   | 89.5   | 89.5   | 89.5   | 84.5   | 84.5   | 79.5   | 79.5   | 79.5   | 79.5   |
| 85°   | 54.7   | 54.7   | 54.7   | 49.7   | 49.7   | 49.7   | 49.7   | 49.7   | 49.7   | 44.7   | 49.7   |
| 87.5° | 24.9   | 24.9   | 24.9   | 24.9   | 24.9   | 24.9   | 24.9   | 24.9   | 19.9   | 19.9   | 19.9   |
| 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: P585236

CATALOG NUMBER: HCC8W80D010MB-HM86080835-81WWW

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 |
| 2.5°  | 3644.5 | 3639.5 | 3629.7 | 3629.7 | 3619.7 | 3619.7 | 3614.7 | 3609.7 | 3604.8 | 3599.8 | 3594.8 |
| 5°    | 3609.7 | 3589.8 | 3580.0 | 3575.0 | 3565.0 | 3560.0 | 3545.1 | 3535.1 | 3530.1 | 3520.3 | 3510.3 |
| 7.5°  | 3545.1 | 3525.3 | 3505.3 | 3500.3 | 3495.4 | 3475.4 | 3460.6 | 3445.6 | 3435.7 | 3425.7 | 3415.9 |
| 10°   | 3470.6 | 3450.6 | 3425.7 | 3415.9 | 3405.9 | 3381.0 | 3361.2 | 3346.2 | 3326.3 | 3306.5 | 3301.5 |
| 12.5° | 3381.0 | 3351.2 | 3321.4 | 3311.4 | 3296.5 | 3271.7 | 3251.8 | 3226.9 | 3212.0 | 3187.1 | 3182.1 |
| 15°   | 3276.6 | 3241.8 | 3217.0 | 3192.1 | 3182.1 | 3157.3 | 3122.4 | 3102.6 | 3072.7 | 3062.9 | 3037.9 |
| 17.5° | 3152.3 | 3117.6 | 3082.7 | 3072.7 | 3057.9 | 3023.0 | 2988.2 | 2963.3 | 2933.5 | 2918.6 | 2903.7 |
| 20°   | 3023.0 | 2978.3 | 2943.5 | 2933.5 | 2913.6 | 2883.8 | 2849.0 | 2824.1 | 2799.3 | 2769.4 | 2754.6 |
| 22.5° | 2873.8 | 2824.1 | 2794.3 | 2769.4 | 2764.4 | 2729.7 | 2689.9 | 2670.0 | 2650.2 | 2625.3 | 2605.3 |
| 25°   | 2709.7 | 2665.0 | 2630.2 | 2610.3 | 2600.5 | 2570.6 | 2540.8 | 2515.9 | 2486.1 | 2471.1 | 2446.2 |
| 27.5° | 2540.8 | 2510.9 | 2466.1 | 2446.2 | 2431.4 | 2406.5 | 2371.7 | 2356.7 | 2327.0 | 2307.0 | 2292.2 |
| 30°   | 2376.7 | 2331.9 | 2307.0 | 2282.2 | 2267.3 | 2242.5 | 2212.6 | 2197.6 | 2172.8 | 2152.9 | 2137.9 |
| 32.5° | 2197.6 | 2167.8 | 2133.1 | 2123.1 | 2103.2 | 2078.4 | 2058.4 | 2033.5 | 2013.7 | 1993.8 | 1988.8 |
| 35°   | 2033.5 | 1993.8 | 1959.0 | 1949.0 | 1934.1 | 1909.3 | 1899.3 | 1884.4 | 1859.6 | 1854.6 | 1834.7 |
| 37.5° | 1854.6 | 1834.7 | 1794.9 | 1780.1 | 1775.1 | 1755.2 | 1735.2 | 1725.4 | 1710.4 | 1695.5 | 1690.5 |
| 40°   | 1685.5 | 1660.7 | 1640.8 | 1625.8 | 1616.0 | 1601.0 | 1581.1 | 1576.1 | 1566.2 | 1546.3 | 1541.3 |
| 42.5° | 1526.4 | 1501.6 | 1481.7 | 1476.7 | 1461.8 | 1446.9 | 1436.9 | 1422.0 | 1417.1 | 1412.1 | 1402.2 |
| 45°   | 1372.3 | 1357.4 | 1337.5 | 1332.5 | 1327.5 | 1307.7 | 1297.7 | 1287.8 | 1277.8 | 1272.8 | 1263.0 |
| 47.5° | 1233.1 | 1218.1 | 1203.3 | 1198.3 | 1188.3 | 1183.4 | 1168.4 | 1163.4 | 1148.6 | 1143.6 | 1138.6 |
| 50°   | 1098.9 | 1088.9 | 1078.9 | 1074.0 | 1064.0 | 1059.0 | 1049.1 | 1039.2 | 1029.2 | 1024.2 | 1019.3 |
| 52.5° | 979.5  | 969.5  | 959.6  | 954.6  | 949.7  | 939.7  | 929.8  | 919.8  | 914.8  | 909.9  | 904.9  |
| 55°   | 865.1  | 855.2  | 850.3  | 845.3  | 840.3  | 835.3  | 820.4  | 815.4  | 810.4  | 805.4  | 795.6  |
| 57.5° | 760.7  | 750.7  | 740.9  | 740.9  | 735.9  | 730.9  | 721.0  | 711.0  | 711.0  | 701.0  | 691.2  |
| 60°   | 666.3  | 656.3  | 646.3  | 641.3  | 636.5  | 626.5  | 621.5  | 616.5  | 611.6  | 606.6  | 596.6  |
| 62.5° | 566.8  | 561.8  | 551.9  | 551.9  | 541.9  | 537.0  | 532.0  | 527.1  | 522.1  | 512.1  | 507.1  |
| 65°   | 482.3  | 477.3  | 467.4  | 462.4  | 462.4  | 457.4  | 447.5  | 442.5  | 437.6  | 437.6  | 432.6  |
| 67.5° | 402.7  | 397.7  | 387.9  | 382.9  | 382.9  | 377.9  | 372.9  | 372.9  | 367.9  | 363.0  | 367.9  |
| 70°   | 333.2  | 323.2  | 323.2  | 318.2  | 318.2  | 313.2  | 308.3  | 308.3  | 308.3  | 313.2  | 313.2  |
| 72.5° | 263.5  | 258.6  | 253.6  | 253.6  | 253.6  | 253.6  | 248.6  | 248.6  | 253.6  | 258.6  | 258.6  |
| 75°   | 208.8  | 203.9  | 203.9  | 203.9  | 198.9  | 198.9  | 203.9  | 203.9  | 208.8  | 208.8  | 208.8  |
| 77.5° | 154.1  | 154.1  | 154.1  | 154.1  | 154.1  | 154.1  | 159.1  | 159.1  | 164.1  | 164.1  | 164.1  |
| 80°   | 114.4  | 114.4  | 114.4  | 114.4  | 114.4  | 119.4  | 119.4  | 119.4  | 119.4  | 119.4  | 124.3  |
| 82.5° | 79.5   | 79.5   | 79.5   | 79.5   | 79.5   | 79.5   | 79.5   | 84.5   | 84.5   | 84.5   | 84.5   |
| 85°   | 44.7   | 49.7   | 49.7   | 49.7   | 49.7   | 49.7   | 49.7   | 49.7   | 49.7   | 49.7   | 49.7   |
| 87.5° | 19.9   | 19.9   | 19.9   | 19.9   | 19.9   | 19.9   | 19.9   | 19.9   | 19.9   | 19.9   | 19.9   |
| 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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 Peachtree City, GA 30269



TEST NUMBER: P585236

CATALOG NUMBER: HCC8W80D010MB-HM86080835-81WWW

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 | 3664.4 |
| 2.5°  | 3589.8 | 3589.8 | 3589.8 | 3594.8 | 3584.8 | 3584.8 | 3584.8 | 3584.8 |
| 5°    | 3505.3 | 3500.3 | 3495.4 | 3500.3 | 3490.4 | 3490.4 | 3485.4 | 3485.4 |
| 7.5°  | 3400.9 | 3395.9 | 3390.9 | 3390.9 | 3381.0 | 3381.0 | 3376.0 | 3371.1 |
| 10°   | 3286.5 | 3276.6 | 3281.5 | 3271.7 | 3266.7 | 3261.7 | 3256.7 | 3251.8 |
| 12.5° | 3162.3 | 3152.3 | 3147.3 | 3137.4 | 3127.4 | 3122.4 | 3127.4 | 3117.6 |
| 15°   | 3028.0 | 3013.0 | 3008.2 | 2998.2 | 2988.2 | 2983.2 | 2983.2 | 2978.3 |
| 17.5° | 2878.8 | 2868.9 | 2863.9 | 2854.0 | 2849.0 | 2839.1 | 2834.1 | 2829.1 |
| 20°   | 2739.6 | 2714.7 | 2719.7 | 2709.7 | 2704.9 | 2684.9 | 2684.9 | 2689.9 |
| 22.5° | 2585.5 | 2570.6 | 2560.6 | 2550.6 | 2545.8 | 2535.8 | 2535.8 | 2530.8 |
| 25°   | 2431.4 | 2416.4 | 2411.4 | 2401.5 | 2396.5 | 2386.6 | 2381.7 | 2381.7 |
| 27.5° | 2282.2 | 2262.3 | 2262.3 | 2252.3 | 2242.5 | 2237.5 | 2232.5 | 2227.5 |
| 30°   | 2123.1 | 2108.2 | 2103.2 | 2103.2 | 2098.2 | 2098.2 | 2083.2 | 2088.2 |
| 32.5° | 1974.0 | 1964.0 | 1959.0 | 1949.0 | 1949.0 | 1944.1 | 1944.1 | 1929.2 |
| 35°   | 1824.8 | 1809.9 | 1814.8 | 1804.9 | 1799.9 | 1794.9 | 1799.9 | 1794.9 |
| 37.5° | 1680.5 | 1670.7 | 1670.7 | 1660.7 | 1660.7 | 1655.7 | 1650.7 | 1660.7 |
| 40°   | 1536.4 | 1531.4 | 1526.4 | 1521.4 | 1526.4 | 1521.4 | 1511.5 | 1516.5 |
| 42.5° | 1392.2 | 1392.2 | 1387.2 | 1387.2 | 1382.2 | 1382.2 | 1382.2 | 1382.2 |
| 45°   | 1263.0 | 1258.0 | 1258.0 | 1253.0 | 1253.0 | 1253.0 | 1253.0 | 1248.0 |
| 47.5° | 1133.6 | 1128.7 | 1128.7 | 1128.7 | 1123.7 | 1123.7 | 1118.7 | 1123.7 |
| 50°   | 1009.3 | 1009.3 | 1004.3 | 1004.3 | 1009.3 | 1004.3 | 999.4  | 999.4  |
| 52.5° | 895.0  | 895.0  | 890.0  | 890.0  | 885.1  | 880.1  | 885.1  | 885.1  |
| 55°   | 790.6  | 785.6  | 780.6  | 780.6  | 775.7  | 770.7  | 770.7  | 775.7  |
| 57.5° | 691.2  | 686.2  | 681.2  | 681.2  | 671.2  | 666.3  | 666.3  | 666.3  |
| 60°   | 596.6  | 586.7  | 586.7  | 581.8  | 581.8  | 576.8  | 576.8  | 576.8  |
| 62.5° | 507.1  | 502.2  | 502.2  | 502.2  | 502.2  | 497.2  | 497.2  | 497.2  |
| 65°   | 432.6  | 432.6  | 432.6  | 437.6  | 437.6  | 442.5  | 442.5  | 442.5  |
| 67.5° | 372.9  | 377.9  | 377.9  | 377.9  | 382.9  | 382.9  | 382.9  | 377.9  |
| 70°   | 318.2  | 318.2  | 318.2  | 323.2  | 323.2  | 323.2  | 323.2  | 323.2  |
| 72.5° | 263.5  | 263.5  | 263.5  | 263.5  | 263.5  | 263.5  | 263.5  | 263.5  |
| 75°   | 208.8  | 213.8  | 213.8  | 213.8  | 208.8  | 213.8  | 213.8  | 208.8  |
| 77.5° | 164.1  | 164.1  | 164.1  | 164.1  | 164.1  | 164.1  | 164.1  | 164.1  |
| 80°   | 124.3  | 124.3  | 124.3  | 124.3  | 124.3  | 124.3  | 124.3  | 124.3  |
| 82.5° | 84.5   | 84.5   | 84.5   | 84.5   | 84.5   | 84.5   | 84.5   | 84.5   |
| 85°   | 49.7   | 49.7   | 49.7   | 49.7   | 49.7   | 49.7   | 49.7   | 49.7   |
| 87.5° | 19.9   | 19.9   | 19.9   | 19.9   | 19.9   | 19.9   | 19.9   | 19.9   |
| 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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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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Peachtree City, GA 30269

Scaled Data Report



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

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1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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