

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: P585304

Luminaire Tested: **HCC8S80D010MW-HM86080935-81WWW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585304
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: HCC8S80D010MW-HM86080935-81WWW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

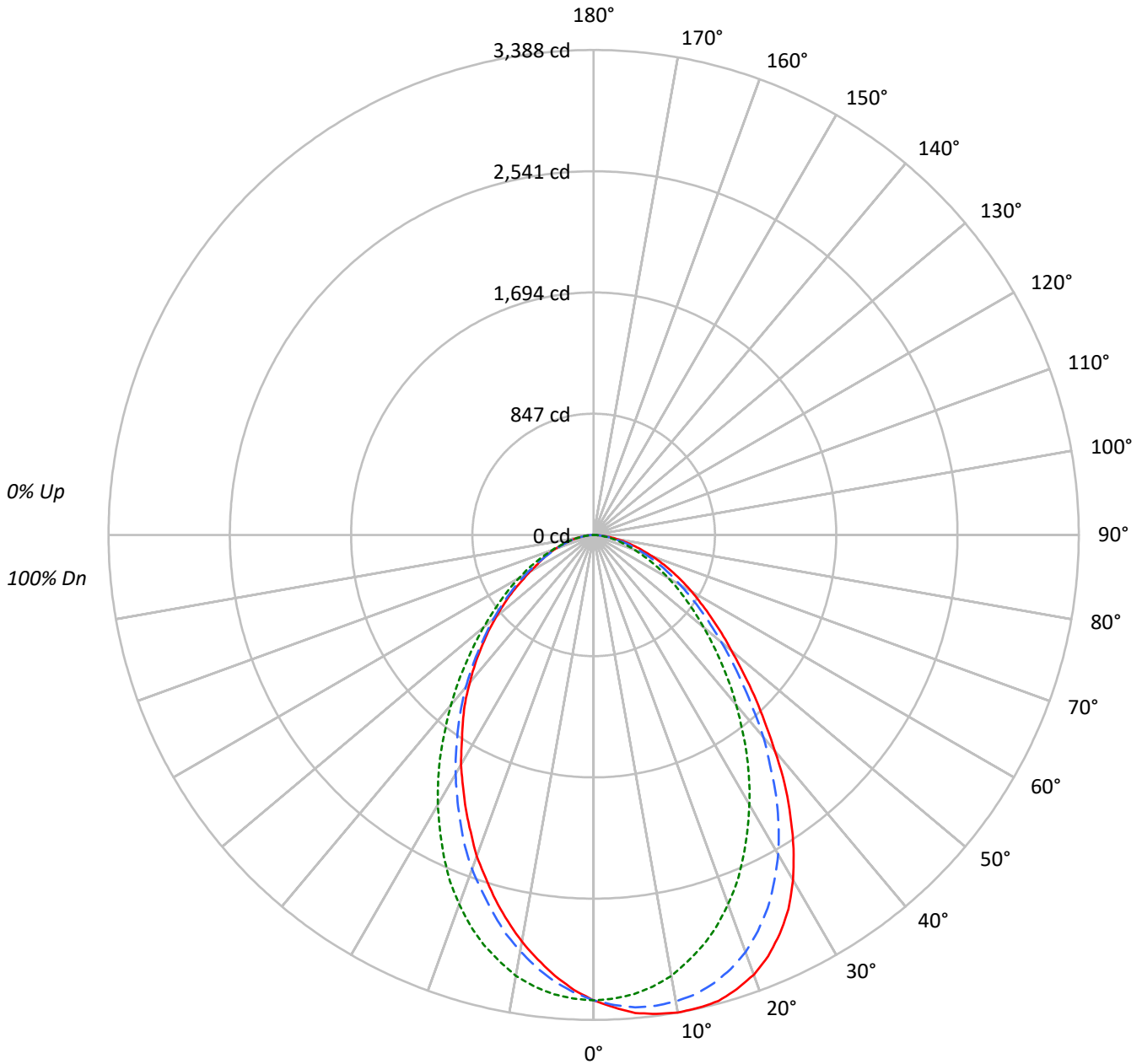
Lumens per Lamp: N/A
Luminaire Lumens: 6000.7 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.04 / 1.13
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 70
Input Voltage (V): NR
Input Current (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: P585304
CATALOG NUMBER: HCC8S80D010MW-HM86080935-81WWW

Luminous Intensity Polar Plot





TEST NUMBER: P585304

CATALOG NUMBER: HCC8S80D010MW-HM86080935-81WWW

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 | 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° | 100261 | 100261 | 100261 |
| 5° | 103789 | 99691 | 95732 |
| 10° | 106094 | 97941 | 90345 |
| 15° | 107603 | 94649 | 84366 |
| 20° | 107280 | 90049 | 78324 |
| 25° | 104624 | 84210 | 71900 |
| 30° | 99122 | 77445 | 65976 |
| 35° | 90180 | 70082 | 59956 |
| 40° | 79208 | 62337 | 54166 |
| 45° | 69073 | 54834 | 48288 |
| 50° | 60110 | 48045 | 42542 |
| 55° | 53606 | 42219 | 36999 |
| 60° | 48703 | 37004 | 31558 |
| 65° | 43779 | 32192 | 28646 |
| 70° | 38976 | 27445 | 25858 |
| 75° | 34170 | 23137 | 22065 |
| 80° | 28981 | 18806 | 19587 |
| 85° | 21830 | 14046 | 15603 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 304.5 | 5.1 |
| 10°-20° | 839.1 | 14.0 |
| 20°-30° | 1164.8 | 19.4 |
| 30°-40° | 1204.3 | 20.1 |
| 40°-50° | 1008.4 | 16.8 |
| 50°-60° | 732.0 | 12.2 |
| 60°-70° | 461.9 | 7.7 |
| 70°-80° | 228.8 | 3.8 |
| 80°-90° | 56.9 | 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° | 2308.5 | 38.5 |
| 0°-40° | 3512.7 | 58.5 |
| 0°-60° | 5253.1 | 87.5 |
| 0°-90° | 6000.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6000.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3251 | 3251 | 3251 | 3251 | 3251 | |
| 5° | 3353 | 3313 | 3221 | 3132 | 3093 | 321 |
| 15° | 3371 | 3243 | 2965 | 2726 | 2643 | 949 |
| 25° | 3075 | 2876 | 2475 | 2206 | 2113 | 1409 |
| 35° | 2396 | 2219 | 1862 | 1650 | 1593 | 1492 |
| 45° | 1584 | 1469 | 1257 | 1134 | 1107 | 1225 |
| 55° | 997 | 909 | 785 | 719 | 688 | 900 |
| 65° | 600 | 525 | 441 | 388 | 393 | 598 |
| 75° | 287 | 238 | 194 | 185 | 185 | 308 |
| 85° | 62 | 48 | 40 | 44 | 44 | 75 |
| 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° | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 |
| 2.5° | 3304.5 | 3304.5 | 3308.9 | 3304.5 | 3304.5 | 3304.5 | 3300.1 | 3300.1 | 3295.6 | 3295.6 | 3286.8 |
| 5° | 3353.0 | 3344.2 | 3353.0 | 3344.2 | 3344.2 | 3344.2 | 3339.8 | 3330.9 | 3326.5 | 3317.7 | 3313.3 |
| 7.5° | 3375.0 | 3370.6 | 3370.6 | 3366.2 | 3366.2 | 3361.8 | 3357.4 | 3353.0 | 3335.3 | 3330.9 | 3317.7 |
| 10° | 3388.3 | 3383.9 | 3383.9 | 3379.4 | 3370.6 | 3370.6 | 3361.8 | 3357.4 | 3335.3 | 3326.5 | 3308.9 |
| 12.5° | 3383.9 | 3383.9 | 3383.9 | 3379.4 | 3366.2 | 3361.8 | 3353.0 | 3339.8 | 3322.1 | 3304.5 | 3286.8 |
| 15° | 3370.6 | 3370.6 | 3361.8 | 3357.4 | 3344.2 | 3335.3 | 3330.9 | 3308.9 | 3291.2 | 3269.2 | 3242.6 |
| 17.5° | 3326.5 | 3326.5 | 3322.1 | 3313.3 | 3300.1 | 3291.2 | 3282.4 | 3260.4 | 3242.6 | 3207.3 | 3180.9 |
| 20° | 3269.2 | 3264.8 | 3260.4 | 3247.0 | 3233.8 | 3229.4 | 3216.2 | 3185.3 | 3163.2 | 3136.8 | 3101.5 |
| 22.5° | 3185.3 | 3180.9 | 3176.5 | 3167.6 | 3145.6 | 3136.8 | 3127.9 | 3105.9 | 3066.2 | 3039.7 | 2995.6 |
| 25° | 3075.0 | 3075.0 | 3066.2 | 3053.0 | 3030.9 | 3022.1 | 3008.9 | 2986.8 | 2951.5 | 2911.7 | 2876.4 |
| 27.5° | 2947.1 | 2942.7 | 2929.5 | 2920.7 | 2902.9 | 2889.7 | 2867.6 | 2841.2 | 2805.9 | 2775.0 | 2730.9 |
| 30° | 2783.8 | 2783.8 | 2775.0 | 2761.8 | 2739.7 | 2730.9 | 2713.3 | 2682.4 | 2647.1 | 2607.4 | 2576.4 |
| 32.5° | 2598.6 | 2598.6 | 2585.4 | 2576.4 | 2563.2 | 2541.1 | 2536.7 | 2501.5 | 2470.6 | 2439.7 | 2404.4 |
| 35° | 2395.6 | 2400.0 | 2391.2 | 2373.6 | 2351.5 | 2351.5 | 2342.7 | 2311.8 | 2276.5 | 2245.5 | 2219.1 |
| 37.5° | 2192.6 | 2179.4 | 2175.0 | 2166.2 | 2152.9 | 2135.3 | 2126.5 | 2113.2 | 2082.4 | 2060.3 | 2020.6 |
| 40° | 1967.7 | 1972.1 | 1963.3 | 1954.5 | 1950.0 | 1936.8 | 1932.4 | 1910.2 | 1888.3 | 1861.7 | 1844.1 |
| 42.5° | 1764.7 | 1764.7 | 1764.7 | 1755.9 | 1747.1 | 1733.8 | 1729.4 | 1716.2 | 1689.7 | 1672.1 | 1645.6 |
| 45° | 1583.9 | 1570.6 | 1570.6 | 1566.2 | 1561.8 | 1553.0 | 1539.8 | 1530.8 | 1513.2 | 1500.0 | 1469.1 |
| 47.5° | 1407.4 | 1411.8 | 1407.4 | 1402.9 | 1389.7 | 1385.3 | 1380.9 | 1363.2 | 1345.6 | 1332.4 | 1310.3 |
| 50° | 1253.0 | 1261.8 | 1253.0 | 1253.0 | 1244.2 | 1239.8 | 1230.9 | 1217.7 | 1204.5 | 1182.3 | 1160.3 |
| 52.5° | 1125.0 | 1125.0 | 1120.6 | 1116.2 | 1102.9 | 1094.1 | 1089.7 | 1085.3 | 1063.2 | 1045.6 | 1027.9 |
| 55° | 997.1 | 1001.5 | 1001.5 | 988.3 | 983.8 | 975.0 | 970.6 | 957.4 | 948.6 | 922.1 | 908.9 |
| 57.5° | 886.8 | 882.4 | 886.8 | 878.0 | 869.2 | 860.2 | 855.8 | 847.0 | 833.8 | 816.1 | 798.5 |
| 60° | 789.7 | 780.9 | 780.9 | 776.4 | 767.6 | 763.2 | 754.4 | 741.2 | 727.9 | 710.3 | 697.1 |
| 62.5° | 692.6 | 688.2 | 683.8 | 679.4 | 670.6 | 666.2 | 661.8 | 648.5 | 635.3 | 622.1 | 608.8 |
| 65° | 600.0 | 600.0 | 595.6 | 586.8 | 582.4 | 578.0 | 573.6 | 564.7 | 547.1 | 538.3 | 524.9 |
| 67.5° | 516.1 | 511.7 | 511.7 | 502.9 | 494.1 | 489.7 | 489.7 | 480.8 | 467.6 | 454.4 | 445.6 |
| 70° | 432.3 | 436.7 | 432.3 | 427.9 | 419.1 | 419.1 | 410.3 | 405.9 | 388.2 | 383.8 | 370.6 |
| 72.5° | 357.4 | 357.4 | 352.9 | 352.9 | 344.1 | 339.7 | 339.7 | 330.9 | 322.1 | 313.2 | 304.4 |
| 75° | 286.8 | 286.8 | 286.8 | 282.4 | 278.0 | 269.1 | 269.1 | 264.7 | 255.9 | 247.1 | 238.3 |
| 77.5° | 225.0 | 220.6 | 220.6 | 216.2 | 211.8 | 207.4 | 207.4 | 203.0 | 194.2 | 189.8 | 180.8 |
| 80° | 163.2 | 158.9 | 158.9 | 158.9 | 150.1 | 154.5 | 150.1 | 145.5 | 141.1 | 136.7 | 132.3 |
| 82.5° | 105.9 | 110.3 | 110.3 | 105.9 | 101.4 | 101.4 | 101.4 | 97.0 | 97.0 | 92.6 | 88.2 |
| 85° | 61.7 | 61.7 | 61.7 | 61.7 | 57.3 | 57.3 | 57.3 | 52.9 | 52.9 | 52.9 | 48.5 |
| 87.5° | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 |
| 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° | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 |
| 2.5° | 3286.8 | 3278.0 | 3273.6 | 3269.2 | 3269.2 | 3264.8 | 3260.4 | 3251.4 | 3251.4 | 3242.6 | 3238.2 |
| 5° | 3304.5 | 3291.2 | 3282.4 | 3273.6 | 3269.2 | 3260.4 | 3251.4 | 3238.2 | 3233.8 | 3220.6 | 3207.3 |
| 7.5° | 3308.9 | 3286.8 | 3278.0 | 3260.4 | 3251.4 | 3242.6 | 3225.0 | 3211.7 | 3194.1 | 3180.9 | 3163.2 |
| 10° | 3291.2 | 3273.6 | 3251.4 | 3229.4 | 3225.0 | 3211.7 | 3185.3 | 3167.6 | 3145.6 | 3127.9 | 3101.5 |
| 12.5° | 3264.8 | 3238.2 | 3216.2 | 3189.7 | 3176.5 | 3163.2 | 3136.8 | 3110.3 | 3079.4 | 3048.6 | 3022.1 |
| 15° | 3220.6 | 3189.7 | 3158.8 | 3127.9 | 3110.3 | 3097.1 | 3066.2 | 3035.3 | 3004.5 | 2964.8 | 2938.3 |
| 17.5° | 3154.4 | 3119.1 | 3088.3 | 3048.6 | 3030.9 | 3017.7 | 2978.0 | 2942.7 | 2902.9 | 2863.2 | 2836.8 |
| 20° | 3070.6 | 3026.5 | 2991.2 | 2947.1 | 2933.9 | 2911.7 | 2872.0 | 2832.3 | 2788.2 | 2744.1 | 2713.3 |
| 22.5° | 2960.3 | 2916.1 | 2876.4 | 2832.3 | 2810.3 | 2788.2 | 2748.5 | 2700.0 | 2655.9 | 2620.6 | 2589.8 |
| 25° | 2832.3 | 2792.6 | 2744.1 | 2704.4 | 2678.0 | 2651.5 | 2607.4 | 2567.6 | 2527.9 | 2475.0 | 2444.1 |
| 27.5° | 2691.2 | 2642.7 | 2607.4 | 2554.4 | 2527.9 | 2510.3 | 2461.8 | 2408.8 | 2373.6 | 2325.0 | 2289.8 |
| 30° | 2532.3 | 2488.2 | 2448.5 | 2395.6 | 2369.1 | 2351.5 | 2307.4 | 2258.9 | 2223.5 | 2175.0 | 2139.7 |
| 32.5° | 2364.7 | 2316.2 | 2267.7 | 2232.3 | 2201.4 | 2183.8 | 2135.3 | 2104.4 | 2060.3 | 2020.6 | 1980.9 |
| 35° | 2183.8 | 2135.3 | 2100.0 | 2051.5 | 2033.8 | 2016.2 | 1976.5 | 1936.8 | 1897.0 | 1861.7 | 1830.9 |
| 37.5° | 1989.7 | 1954.5 | 1914.8 | 1879.5 | 1866.1 | 1848.5 | 1800.0 | 1764.7 | 1733.8 | 1698.5 | 1672.1 |
| 40° | 1800.0 | 1769.1 | 1742.6 | 1707.4 | 1685.3 | 1672.1 | 1636.8 | 1605.9 | 1570.6 | 1548.6 | 1522.0 |
| 42.5° | 1628.0 | 1592.7 | 1566.2 | 1539.8 | 1517.6 | 1504.4 | 1473.5 | 1451.5 | 1425.0 | 1402.9 | 1372.1 |
| 45° | 1447.0 | 1429.4 | 1398.5 | 1376.5 | 1363.2 | 1345.6 | 1323.6 | 1297.1 | 1275.0 | 1257.4 | 1235.3 |
| 47.5° | 1288.3 | 1270.6 | 1248.6 | 1222.1 | 1213.3 | 1200.1 | 1177.9 | 1160.3 | 1142.6 | 1125.0 | 1102.9 |
| 50° | 1142.6 | 1120.6 | 1102.9 | 1085.3 | 1076.5 | 1063.2 | 1041.2 | 1032.4 | 1019.1 | 1001.5 | 988.3 |
| 52.5° | 1010.3 | 992.7 | 975.0 | 953.0 | 948.6 | 939.7 | 926.5 | 908.9 | 895.6 | 886.8 | 878.0 |
| 55° | 891.2 | 873.6 | 860.2 | 842.6 | 838.2 | 829.4 | 811.7 | 802.9 | 794.1 | 785.3 | 776.4 |
| 57.5° | 785.3 | 767.6 | 750.0 | 741.2 | 732.3 | 723.5 | 719.1 | 705.9 | 697.1 | 692.6 | 683.8 |
| 60° | 688.2 | 670.6 | 657.4 | 644.1 | 639.7 | 635.3 | 626.5 | 617.7 | 608.8 | 600.0 | 595.6 |
| 62.5° | 595.6 | 578.0 | 569.2 | 560.3 | 551.5 | 551.5 | 542.7 | 533.9 | 524.9 | 520.5 | 511.7 |
| 65° | 511.7 | 502.9 | 489.7 | 476.4 | 472.0 | 472.0 | 458.8 | 454.4 | 450.0 | 441.2 | 432.3 |
| 67.5° | 432.3 | 423.5 | 410.3 | 405.9 | 401.5 | 397.0 | 392.6 | 383.8 | 375.0 | 370.6 | 361.8 |
| 70° | 361.8 | 352.9 | 344.1 | 339.7 | 335.3 | 330.9 | 322.1 | 317.7 | 308.8 | 304.4 | 300.0 |
| 72.5° | 291.2 | 286.8 | 278.0 | 273.6 | 269.1 | 264.7 | 260.3 | 255.9 | 247.1 | 242.7 | 238.3 |
| 75° | 233.9 | 229.4 | 220.6 | 216.2 | 211.8 | 211.8 | 207.4 | 198.6 | 194.2 | 194.2 | 189.8 |
| 77.5° | 176.4 | 172.0 | 167.6 | 163.2 | 158.9 | 158.9 | 154.5 | 150.1 | 145.5 | 145.5 | 141.1 |
| 80° | 127.9 | 123.5 | 119.1 | 119.1 | 119.1 | 114.7 | 110.3 | 110.3 | 105.9 | 105.9 | 101.4 |
| 82.5° | 83.8 | 83.8 | 79.4 | 79.4 | 79.4 | 75.0 | 75.0 | 70.6 | 70.6 | 70.6 | 70.6 |
| 85° | 48.5 | 48.5 | 48.5 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 39.7 | 44.1 |
| 87.5° | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 17.6 | 17.6 | 17.6 |
| 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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CATALOG NUMBER: HCC8S80D010MW-HM86080935-81WWW

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 |
| 2.5° | 3233.8 | 3229.4 | 3220.6 | 3220.6 | 3211.7 | 3211.7 | 3207.3 | 3202.9 | 3198.5 | 3194.1 | 3189.7 |
| 5° | 3202.9 | 3185.3 | 3176.5 | 3172.1 | 3163.2 | 3158.8 | 3145.6 | 3136.8 | 3132.4 | 3123.5 | 3114.7 |
| 7.5° | 3145.6 | 3127.9 | 3110.3 | 3105.9 | 3101.5 | 3083.8 | 3070.6 | 3057.4 | 3048.6 | 3039.7 | 3030.9 |
| 10° | 3079.4 | 3061.8 | 3039.7 | 3030.9 | 3022.1 | 3000.0 | 2982.4 | 2969.2 | 2951.5 | 2933.9 | 2929.5 |
| 12.5° | 3000.0 | 2973.6 | 2947.1 | 2938.3 | 2925.1 | 2902.9 | 2885.3 | 2863.2 | 2850.0 | 2827.9 | 2823.5 |
| 15° | 2907.3 | 2876.4 | 2854.4 | 2832.3 | 2823.5 | 2801.5 | 2770.6 | 2753.0 | 2726.5 | 2717.7 | 2695.6 |
| 17.5° | 2797.1 | 2766.2 | 2735.3 | 2726.5 | 2713.3 | 2682.4 | 2651.5 | 2629.5 | 2603.0 | 2589.8 | 2576.4 |
| 20° | 2682.4 | 2642.7 | 2611.8 | 2603.0 | 2585.4 | 2558.8 | 2527.9 | 2505.9 | 2483.8 | 2457.4 | 2444.1 |
| 22.5° | 2550.0 | 2505.9 | 2479.4 | 2457.4 | 2452.9 | 2422.1 | 2386.8 | 2369.1 | 2351.5 | 2329.4 | 2311.8 |
| 25° | 2404.4 | 2364.7 | 2333.9 | 2316.2 | 2307.4 | 2280.9 | 2254.5 | 2232.3 | 2206.0 | 2192.6 | 2170.6 |
| 27.5° | 2254.5 | 2227.9 | 2188.2 | 2170.6 | 2157.3 | 2135.3 | 2104.4 | 2091.2 | 2064.7 | 2047.1 | 2033.8 |
| 30° | 2108.8 | 2069.1 | 2047.1 | 2025.0 | 2011.8 | 1989.7 | 1963.3 | 1950.0 | 1928.0 | 1910.2 | 1897.0 |
| 32.5° | 1950.0 | 1923.6 | 1892.7 | 1883.9 | 1866.1 | 1844.1 | 1826.4 | 1804.4 | 1786.8 | 1769.1 | 1764.7 |
| 35° | 1804.4 | 1769.1 | 1738.2 | 1729.4 | 1716.2 | 1694.1 | 1685.3 | 1672.1 | 1650.0 | 1645.6 | 1628.0 |
| 37.5° | 1645.6 | 1628.0 | 1592.7 | 1579.5 | 1574.9 | 1557.4 | 1539.8 | 1530.8 | 1517.6 | 1504.4 | 1500.0 |
| 40° | 1495.6 | 1473.5 | 1455.9 | 1442.6 | 1433.8 | 1420.6 | 1402.9 | 1398.5 | 1389.7 | 1372.1 | 1367.7 |
| 42.5° | 1354.4 | 1332.4 | 1314.7 | 1310.3 | 1297.1 | 1283.9 | 1275.0 | 1261.8 | 1257.4 | 1253.0 | 1244.2 |
| 45° | 1217.7 | 1204.5 | 1186.7 | 1182.3 | 1177.9 | 1160.3 | 1151.4 | 1142.6 | 1133.8 | 1129.4 | 1120.6 |
| 47.5° | 1094.1 | 1080.9 | 1067.6 | 1063.2 | 1054.4 | 1050.0 | 1036.8 | 1032.4 | 1019.1 | 1014.7 | 1010.3 |
| 50° | 975.0 | 966.2 | 957.4 | 953.0 | 944.1 | 939.7 | 930.9 | 922.1 | 913.3 | 908.9 | 904.5 |
| 52.5° | 869.2 | 860.2 | 851.4 | 847.0 | 842.6 | 833.8 | 825.0 | 816.1 | 811.7 | 807.3 | 802.9 |
| 55° | 767.6 | 758.8 | 754.4 | 750.0 | 745.6 | 741.2 | 727.9 | 723.5 | 719.1 | 714.7 | 705.9 |
| 57.5° | 675.0 | 666.2 | 657.4 | 657.4 | 653.0 | 648.5 | 639.7 | 630.9 | 630.9 | 622.1 | 613.3 |
| 60° | 591.2 | 582.4 | 573.6 | 569.2 | 564.7 | 555.9 | 551.5 | 547.1 | 542.7 | 538.3 | 529.5 |
| 62.5° | 502.9 | 498.5 | 489.7 | 489.7 | 480.8 | 476.4 | 472.0 | 467.6 | 463.2 | 454.4 | 450.0 |
| 65° | 427.9 | 423.5 | 414.7 | 410.3 | 410.3 | 405.9 | 397.0 | 392.6 | 388.2 | 388.2 | 383.8 |
| 67.5° | 357.4 | 352.9 | 344.1 | 339.7 | 339.7 | 335.3 | 330.9 | 330.9 | 326.5 | 322.1 | 326.5 |
| 70° | 295.6 | 286.8 | 286.8 | 282.4 | 282.4 | 278.0 | 273.6 | 273.6 | 273.6 | 278.0 | 278.0 |
| 72.5° | 233.9 | 229.4 | 225.0 | 225.0 | 225.0 | 225.0 | 220.6 | 220.6 | 225.0 | 229.4 | 229.4 |
| 75° | 185.2 | 180.8 | 180.8 | 180.8 | 176.4 | 176.4 | 180.8 | 180.8 | 185.2 | 185.2 | 185.2 |
| 77.5° | 136.7 | 136.7 | 136.7 | 136.7 | 136.7 | 136.7 | 141.1 | 141.1 | 145.5 | 145.5 | 145.5 |
| 80° | 101.4 | 101.4 | 101.4 | 101.4 | 101.4 | 105.9 | 105.9 | 105.9 | 105.9 | 105.9 | 110.3 |
| 82.5° | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 75.0 | 75.0 | 75.0 | 75.0 |
| 85° | 39.7 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 |
| 87.5° | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 |
| 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: P585304

CATALOG NUMBER: HCC8S80D010MW-HM86080935-81WWW

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 | 3251.4 |
| 2.5° | 3185.3 | 3185.3 | 3185.3 | 3189.7 | 3180.9 | 3180.9 | 3180.9 | 3180.9 |
| 5° | 3110.3 | 3105.9 | 3101.5 | 3105.9 | 3097.1 | 3097.1 | 3092.7 | 3092.7 |
| 7.5° | 3017.7 | 3013.3 | 3008.9 | 3008.9 | 3000.0 | 3000.0 | 2995.6 | 2991.2 |
| 10° | 2916.1 | 2907.3 | 2911.7 | 2902.9 | 2898.5 | 2894.1 | 2889.7 | 2885.3 |
| 12.5° | 2805.9 | 2797.1 | 2792.6 | 2783.8 | 2775.0 | 2770.6 | 2775.0 | 2766.2 |
| 15° | 2686.8 | 2673.6 | 2669.2 | 2660.3 | 2651.5 | 2647.1 | 2647.1 | 2642.7 |
| 17.5° | 2554.4 | 2545.6 | 2541.1 | 2532.3 | 2527.9 | 2519.1 | 2514.7 | 2510.3 |
| 20° | 2430.9 | 2408.8 | 2413.2 | 2404.4 | 2400.0 | 2382.4 | 2382.4 | 2386.8 |
| 22.5° | 2294.2 | 2280.9 | 2272.1 | 2263.3 | 2258.9 | 2250.1 | 2250.1 | 2245.5 |
| 25° | 2157.3 | 2144.1 | 2139.7 | 2130.9 | 2126.5 | 2117.6 | 2113.2 | 2113.2 |
| 27.5° | 2025.0 | 2007.4 | 2007.4 | 1998.6 | 1989.7 | 1985.3 | 1980.9 | 1976.5 |
| 30° | 1883.9 | 1870.7 | 1866.1 | 1866.1 | 1861.7 | 1861.7 | 1848.5 | 1852.9 |
| 32.5° | 1751.5 | 1742.6 | 1738.2 | 1729.4 | 1729.4 | 1725.0 | 1725.0 | 1711.8 |
| 35° | 1619.2 | 1605.9 | 1610.3 | 1601.5 | 1597.1 | 1592.7 | 1597.1 | 1592.7 |
| 37.5° | 1491.2 | 1482.3 | 1482.3 | 1473.5 | 1473.5 | 1469.1 | 1464.7 | 1473.5 |
| 40° | 1363.2 | 1358.8 | 1354.4 | 1350.0 | 1354.4 | 1350.0 | 1341.2 | 1345.6 |
| 42.5° | 1235.3 | 1235.3 | 1230.9 | 1230.9 | 1226.5 | 1226.5 | 1226.5 | 1226.5 |
| 45° | 1120.6 | 1116.2 | 1116.2 | 1111.7 | 1111.7 | 1111.7 | 1111.7 | 1107.3 |
| 47.5° | 1005.9 | 1001.5 | 1001.5 | 1001.5 | 997.1 | 997.1 | 992.7 | 997.1 |
| 50° | 895.6 | 895.6 | 891.2 | 891.2 | 895.6 | 891.2 | 886.8 | 886.8 |
| 52.5° | 794.1 | 794.1 | 789.7 | 789.7 | 785.3 | 780.9 | 785.3 | 785.3 |
| 55° | 701.5 | 697.1 | 692.6 | 692.6 | 688.2 | 683.8 | 683.8 | 688.2 |
| 57.5° | 613.3 | 608.8 | 604.4 | 604.4 | 595.6 | 591.2 | 591.2 | 591.2 |
| 60° | 529.5 | 520.5 | 520.5 | 516.1 | 516.1 | 511.7 | 511.7 | 511.7 |
| 62.5° | 450.0 | 445.6 | 445.6 | 445.6 | 445.6 | 441.2 | 441.2 | 441.2 |
| 65° | 383.8 | 383.8 | 383.8 | 388.2 | 388.2 | 392.6 | 392.6 | 392.6 |
| 67.5° | 330.9 | 335.3 | 335.3 | 335.3 | 339.7 | 339.7 | 339.7 | 335.3 |
| 70° | 282.4 | 282.4 | 282.4 | 286.8 | 286.8 | 286.8 | 286.8 | 286.8 |
| 72.5° | 233.9 | 233.9 | 233.9 | 233.9 | 233.9 | 233.9 | 233.9 | 233.9 |
| 75° | 185.2 | 189.8 | 189.8 | 189.8 | 185.2 | 189.8 | 189.8 | 185.2 |
| 77.5° | 145.5 | 145.5 | 145.5 | 145.5 | 145.5 | 145.5 | 145.5 | 145.5 |
| 80° | 110.3 | 110.3 | 110.3 | 110.3 | 110.3 | 110.3 | 110.3 | 110.3 |
| 82.5° | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| 85° | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 |
| 87.5° | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 |
| 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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Scaled Data Report



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

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(END OF REPORT)