

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: P584532

Luminaire Tested: **HCC8W40D010MW-HM82555830-81RWWH**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584532
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: HCC8W40D010MW-HM82555830-81RWWH
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

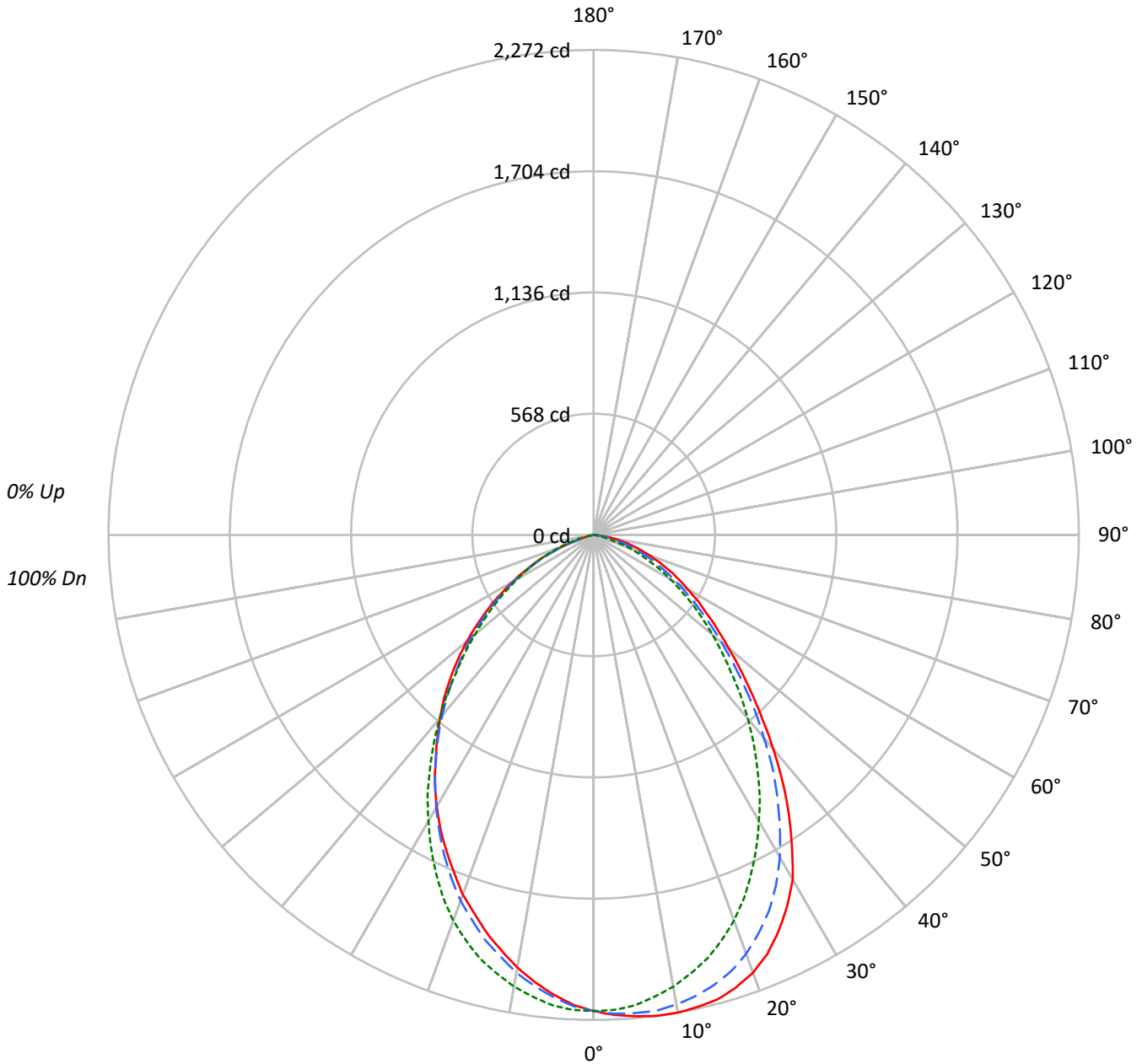
Lumens per Lamp: N/A
Luminaire Lumens: 4181.1 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 41
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



TEST NUMBER: P584532
CATALOG NUMBER: HCC8W40D010MW-HM82555830-81RWWH

Luminous Intensity Polar Plot



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



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CATALOG NUMBER: HCC8W40D010MW-HM82555830-81RWWH

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 68774 | 68774 | 68774 |
| 5° | 70065 | 68477 | 66886 |
| 10° | 71157 | 67280 | 64440 |
| 15° | 71877 | 65604 | 61649 |
| 20° | 71603 | 63074 | 58808 |
| 25° | 69712 | 59433 | 55527 |
| 30° | 66392 | 55098 | 52296 |
| 35° | 59952 | 50285 | 48576 |
| 40° | 52672 | 45133 | 45008 |
| 45° | 45467 | 39667 | 41381 |
| 50° | 39578 | 34795 | 37112 |
| 55° | 35090 | 30225 | 32332 |
| 60° | 31311 | 25532 | 26840 |
| 65° | 28230 | 20729 | 21167 |
| 70° | 25064 | 15534 | 12532 |
| 75° | 21612 | 9007 | 5397 |
| 80° | 16639 | 3214 | 1598 |
| 85° | 10685 | 1061 | 1061 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 209.4 | 5.0 |
| 10°-20° | 582.8 | 13.9 |
| 20°-30° | 824.4 | 19.7 |
| 30°-40° | 868.7 | 20.8 |
| 40°-50° | 738.2 | 17.7 |
| 50°-60° | 531.6 | 12.7 |
| 60°-70° | 306.7 | 7.3 |
| 70°-80° | 104.9 | 2.5 |
| 80°-90° | 14.4 | 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° | 1616.6 | 38.7 |
| 0°-40° | 2485.2 | 59.4 |
| 0°-60° | 3755.0 | 89.8 |
| 0°-90° | 4181.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4181.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2230 | 2230 | 2230 | 2230 | 2230 | |
| 5° | 2264 | 2248 | 2212 | 2173 | 2161 | 216 |
| 15° | 2252 | 2182 | 2055 | 1964 | 1931 | 634 |
| 25° | 2049 | 1943 | 1747 | 1656 | 1632 | 940 |
| 35° | 1593 | 1499 | 1336 | 1288 | 1290 | 992 |
| 45° | 1043 | 994 | 910 | 916 | 949 | 810 |
| 55° | 653 | 601 | 562 | 583 | 601 | 587 |
| 65° | 387 | 332 | 284 | 278 | 290 | 385 |
| 75° | 181 | 136 | 76 | 48 | 45 | 191 |
| 85° | 30 | 18 | 3 | 3 | 3 | 41 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P584532

CATALOG NUMBER: HCC8W40D010MW-HM82555830-81RWWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2230.3 | 2230.3 | 2230.3 | 2230.3 | 2230.3 | 2230.3 | 2230.3 | 2230.3 | 2230.3 | 2230.3 | 2230.3 |
| 2.5° | 2251.5 | 2254.5 | 2251.5 | 2251.5 | 2248.4 | 2245.4 | 2242.3 | 2239.3 | 2233.3 | 2227.3 | 2227.3 |
| 5° | 2263.5 | 2269.6 | 2263.5 | 2263.5 | 2254.5 | 2248.4 | 2242.3 | 2233.3 | 2221.3 | 2212.2 | 2212.2 |
| 7.5° | 2272.5 | 2272.5 | 2272.5 | 2263.5 | 2257.4 | 2248.4 | 2233.3 | 2218.2 | 2203.0 | 2187.9 | 2182.0 |
| 10° | 2272.5 | 2272.5 | 2269.6 | 2257.4 | 2251.5 | 2233.3 | 2218.2 | 2197.1 | 2175.9 | 2154.7 | 2148.7 |
| 12.5° | 2263.5 | 2266.6 | 2260.5 | 2248.4 | 2233.3 | 2212.2 | 2191.0 | 2163.8 | 2139.6 | 2115.5 | 2103.3 |
| 15° | 2251.5 | 2248.4 | 2242.3 | 2227.3 | 2209.1 | 2182.0 | 2160.8 | 2130.6 | 2097.4 | 2067.1 | 2055.0 |
| 17.5° | 2221.3 | 2221.3 | 2212.2 | 2197.1 | 2172.8 | 2142.6 | 2109.4 | 2076.2 | 2039.9 | 2006.7 | 1991.6 |
| 20° | 2182.0 | 2182.0 | 2169.8 | 2151.8 | 2127.5 | 2088.2 | 2052.0 | 2012.6 | 1970.4 | 1937.2 | 1922.1 |
| 22.5° | 2124.5 | 2127.5 | 2112.4 | 2091.3 | 2064.1 | 2018.7 | 1982.4 | 1934.1 | 1891.9 | 1852.5 | 1840.5 |
| 25° | 2048.9 | 2055.0 | 2039.9 | 2018.7 | 1982.4 | 1943.2 | 1897.8 | 1852.5 | 1804.2 | 1764.9 | 1746.8 |
| 27.5° | 1961.4 | 1964.3 | 1949.2 | 1928.0 | 1891.9 | 1849.5 | 1804.2 | 1755.8 | 1710.5 | 1668.1 | 1650.1 |
| 30° | 1864.6 | 1852.5 | 1846.5 | 1819.3 | 1780.0 | 1743.7 | 1692.4 | 1653.0 | 1604.7 | 1568.4 | 1547.4 |
| 32.5° | 1728.6 | 1734.7 | 1716.6 | 1695.4 | 1665.2 | 1622.8 | 1580.6 | 1535.2 | 1489.9 | 1462.6 | 1447.5 |
| 35° | 1592.6 | 1598.6 | 1589.6 | 1568.4 | 1535.2 | 1498.9 | 1456.7 | 1423.4 | 1384.1 | 1350.9 | 1335.8 |
| 37.5° | 1450.6 | 1450.6 | 1444.5 | 1432.4 | 1408.2 | 1375.0 | 1332.7 | 1299.5 | 1266.3 | 1239.0 | 1230.0 |
| 40° | 1308.5 | 1302.5 | 1299.5 | 1290.4 | 1269.3 | 1239.0 | 1211.9 | 1184.6 | 1151.4 | 1133.2 | 1121.2 |
| 42.5° | 1169.5 | 1169.5 | 1163.5 | 1154.4 | 1133.2 | 1118.1 | 1091.0 | 1060.8 | 1036.6 | 1018.4 | 1018.4 |
| 45° | 1042.6 | 1045.7 | 1036.6 | 1030.5 | 1018.4 | 994.2 | 970.1 | 948.9 | 927.7 | 915.7 | 909.6 |
| 47.5° | 930.8 | 930.8 | 921.8 | 915.7 | 903.6 | 882.4 | 861.3 | 843.1 | 828.0 | 819.0 | 816.0 |
| 50° | 825.0 | 825.0 | 825.0 | 809.9 | 794.8 | 779.7 | 764.6 | 743.4 | 734.3 | 728.3 | 725.3 |
| 52.5° | 734.3 | 731.4 | 731.4 | 719.2 | 704.1 | 686.0 | 670.9 | 652.7 | 643.7 | 637.6 | 640.7 |
| 55° | 652.7 | 652.7 | 649.7 | 634.6 | 619.5 | 601.4 | 586.3 | 571.2 | 565.1 | 559.1 | 562.2 |
| 56° | 619.5 | 619.5 | 616.5 | 604.4 | 586.3 | 571.2 | 553.0 | 537.9 | 528.8 | 531.9 | 531.9 |
| 57° | 595.4 | 589.3 | 589.3 | 574.2 | 559.1 | 537.9 | 522.8 | 507.7 | 501.7 | 498.6 | 498.6 |
| 58° | 565.1 | 562.2 | 559.1 | 543.9 | 528.8 | 510.7 | 495.6 | 480.5 | 471.5 | 471.5 | 468.4 |
| 59° | 534.9 | 534.9 | 528.8 | 516.8 | 501.7 | 483.5 | 468.4 | 453.3 | 444.2 | 441.3 | 441.3 |
| 60° | 507.7 | 510.7 | 501.7 | 489.6 | 477.4 | 456.4 | 438.2 | 426.1 | 417.1 | 414.0 | 414.0 |
| 61° | 483.5 | 483.5 | 477.4 | 462.4 | 447.3 | 432.2 | 414.0 | 398.9 | 392.8 | 386.9 | 386.9 |
| 62° | 462.4 | 456.4 | 453.3 | 438.2 | 423.0 | 405.0 | 389.8 | 374.7 | 365.7 | 359.6 | 362.6 |
| 63° | 435.2 | 432.2 | 426.1 | 414.0 | 398.9 | 380.8 | 362.6 | 350.6 | 341.5 | 332.5 | 335.5 |
| 64° | 414.0 | 411.0 | 402.0 | 389.8 | 374.7 | 356.6 | 338.4 | 326.4 | 320.3 | 311.3 | 308.2 |
| 65° | 386.9 | 383.8 | 380.8 | 365.7 | 350.6 | 332.5 | 317.4 | 305.2 | 296.2 | 290.1 | 284.1 |
| 66° | 362.6 | 365.7 | 359.6 | 347.5 | 329.4 | 314.3 | 293.1 | 281.1 | 275.0 | 266.0 | 259.9 |
| 67° | 341.5 | 341.5 | 335.5 | 323.3 | 305.2 | 290.1 | 275.0 | 259.9 | 250.9 | 241.8 | 238.7 |
| 67.5° | 329.4 | 329.4 | 323.3 | 308.2 | 296.2 | 278.0 | 262.9 | 250.9 | 238.7 | 232.6 | 226.7 |
| 68° | 317.4 | 317.4 | 314.3 | 302.3 | 287.1 | 268.9 | 253.8 | 238.7 | 226.7 | 217.5 | 214.6 |
| 69° | 296.2 | 299.2 | 293.1 | 281.1 | 266.0 | 247.8 | 232.6 | 220.6 | 208.5 | 199.4 | 193.4 |
| 70° | 278.0 | 275.0 | 268.9 | 256.9 | 241.8 | 229.7 | 214.6 | 199.4 | 187.4 | 175.3 | 172.3 |
| 71° | 253.8 | 253.8 | 247.8 | 238.7 | 223.6 | 208.5 | 193.4 | 181.4 | 169.2 | 154.1 | 151.1 |
| 72° | 235.7 | 235.7 | 229.7 | 217.5 | 205.5 | 190.4 | 175.3 | 160.2 | 151.1 | 136.0 | 129.9 |
| 72.5° | 223.6 | 226.7 | 220.6 | 208.5 | 196.5 | 178.3 | 166.2 | 154.1 | 139.0 | 127.0 | 120.9 |
| 73° | 217.5 | 214.6 | 211.6 | 199.4 | 184.3 | 172.3 | 157.2 | 145.1 | 129.9 | 117.8 | 111.9 |



TEST NUMBER: P584532

CATALOG NUMBER: HCC8W40D010MW-HM82555830-81RWWH

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| 77.5° | 136.0 | 136.0 | 132.9 | 120.9 | 108.8 | 96.7 | 84.6 | 72.5 | 60.5 | 48.3 | 42.4 |
| 80° | 93.7 | 96.7 | 90.7 | 84.6 | 75.6 | 63.4 | 51.4 | 42.4 | 30.2 | 24.2 | 18.1 |
| 82.5° | 60.5 | 60.5 | 57.5 | 51.4 | 45.3 | 36.3 | 30.2 | 21.2 | 15.1 | 12.1 | 9.0 |
| 85° | 30.2 | 33.2 | 30.2 | 27.3 | 21.2 | 18.1 | 15.1 | 9.0 | 6.1 | 3.0 | 3.0 |
| 87.5° | 12.1 | 12.1 | 12.1 | 9.0 | 9.0 | 6.1 | 3.0 | 3.0 | 3.0 | 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 | 0.0 |

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CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2230.3 | 2230.3 | 2230.3 | 2230.3 | 2230.3 | 2230.3 | 2230.3 | 2230.3 | 2230.3 | 2230.3 |
| 2.5° | 2221.3 | 2221.3 | 2215.2 | 2212.2 | 2209.1 | 2206.1 | 2203.0 | 2200.1 | 2200.1 | 2203.0 |
| 5° | 2203.0 | 2197.1 | 2185.0 | 2182.0 | 2172.8 | 2169.8 | 2163.8 | 2160.8 | 2163.8 | 2160.8 |
| 7.5° | 2175.9 | 2163.8 | 2148.7 | 2142.6 | 2130.6 | 2124.5 | 2115.5 | 2115.5 | 2109.4 | 2112.4 |
| 10° | 2139.6 | 2121.5 | 2103.3 | 2091.3 | 2082.3 | 2073.1 | 2067.1 | 2061.1 | 2058.0 | 2058.0 |
| 12.5° | 2094.3 | 2073.1 | 2055.0 | 2036.9 | 2021.8 | 2015.7 | 2003.6 | 2003.6 | 1997.5 | 1994.6 |
| 15° | 2042.9 | 2015.7 | 1994.6 | 1976.5 | 1964.3 | 1952.3 | 1943.2 | 1937.2 | 1931.1 | 1931.1 |
| 17.5° | 1976.5 | 1952.3 | 1931.1 | 1910.0 | 1891.9 | 1882.7 | 1873.7 | 1864.6 | 1864.6 | 1858.5 |
| 20° | 1903.9 | 1876.7 | 1858.5 | 1837.4 | 1822.4 | 1807.3 | 1795.1 | 1795.1 | 1789.0 | 1792.1 |
| 22.5° | 1822.4 | 1789.0 | 1771.0 | 1755.8 | 1740.7 | 1728.6 | 1716.6 | 1716.6 | 1713.5 | 1710.5 |
| 25° | 1731.7 | 1704.4 | 1683.3 | 1665.2 | 1656.1 | 1644.0 | 1641.0 | 1634.9 | 1632.0 | 1632.0 |
| 27.5° | 1634.9 | 1613.8 | 1586.6 | 1577.5 | 1565.4 | 1559.4 | 1559.4 | 1556.4 | 1550.3 | 1553.3 |
| 30° | 1532.2 | 1508.0 | 1492.9 | 1486.9 | 1474.8 | 1474.8 | 1471.8 | 1465.7 | 1465.7 | 1468.7 |
| 32.5° | 1432.4 | 1408.2 | 1396.2 | 1393.1 | 1381.1 | 1381.1 | 1378.0 | 1381.1 | 1381.1 | 1384.1 |
| 35° | 1323.6 | 1302.5 | 1299.5 | 1290.4 | 1287.5 | 1287.5 | 1287.5 | 1293.4 | 1299.5 | 1290.4 |
| 37.5° | 1220.9 | 1205.8 | 1196.8 | 1193.7 | 1196.8 | 1196.8 | 1199.8 | 1208.8 | 1205.8 | 1202.7 |
| 40° | 1115.1 | 1103.0 | 1097.1 | 1097.1 | 1103.0 | 1109.1 | 1109.1 | 1118.1 | 1121.2 | 1118.1 |
| 42.5° | 1009.4 | 1000.3 | 1000.3 | 1003.3 | 1009.4 | 1012.5 | 1021.5 | 1030.5 | 1033.5 | 1036.6 |
| 45° | 909.6 | 909.6 | 909.6 | 912.6 | 915.7 | 921.8 | 933.8 | 942.8 | 945.9 | 948.9 |
| 47.5° | 812.9 | 809.9 | 819.0 | 822.1 | 831.1 | 834.1 | 843.1 | 855.3 | 858.2 | 861.3 |
| 50° | 722.3 | 728.3 | 731.4 | 740.4 | 746.5 | 746.5 | 758.5 | 764.6 | 773.6 | 773.6 |
| 52.5° | 637.6 | 646.8 | 649.7 | 658.8 | 661.9 | 664.9 | 670.9 | 680.0 | 686.0 | 686.0 |
| 55° | 562.2 | 565.1 | 571.2 | 574.2 | 583.2 | 586.3 | 592.4 | 595.4 | 604.4 | 601.4 |
| 56° | 528.8 | 534.9 | 537.9 | 543.9 | 550.0 | 553.0 | 559.1 | 562.2 | 568.1 | 571.2 |
| 57° | 498.6 | 501.7 | 510.7 | 513.7 | 519.8 | 519.8 | 522.8 | 531.9 | 531.9 | 534.9 |
| 58° | 468.4 | 474.5 | 477.4 | 480.5 | 486.6 | 489.6 | 495.6 | 498.6 | 501.7 | 498.6 |
| 59° | 441.3 | 444.2 | 447.3 | 447.3 | 453.3 | 453.3 | 462.4 | 468.4 | 471.5 | 471.5 |
| 60° | 414.0 | 414.0 | 417.1 | 420.1 | 426.1 | 429.1 | 429.1 | 435.2 | 435.2 | 435.2 |
| 61° | 386.9 | 386.9 | 389.8 | 392.8 | 395.9 | 395.9 | 402.0 | 402.0 | 405.0 | 407.9 |
| 62° | 362.6 | 359.6 | 359.6 | 362.6 | 362.6 | 368.7 | 371.8 | 374.7 | 377.7 | 374.7 |
| 63° | 335.5 | 332.5 | 332.5 | 332.5 | 332.5 | 338.4 | 338.4 | 341.5 | 347.5 | 344.5 |
| 64° | 305.2 | 305.2 | 305.2 | 305.2 | 308.2 | 308.2 | 314.3 | 317.4 | 320.3 | 323.3 |
| 65° | 284.1 | 278.0 | 275.0 | 275.0 | 278.0 | 281.1 | 284.1 | 287.1 | 290.1 | 290.1 |
| 66° | 259.9 | 253.8 | 250.9 | 250.9 | 250.9 | 250.9 | 256.9 | 256.9 | 262.9 | 262.9 |
| 67° | 232.6 | 226.7 | 223.6 | 220.6 | 220.6 | 220.6 | 229.7 | 226.7 | 226.7 | 226.7 |
| 67.5° | 223.6 | 214.6 | 211.6 | 208.5 | 205.5 | 211.6 | 208.5 | 211.6 | 211.6 | 208.5 |
| 68° | 211.6 | 205.5 | 199.4 | 193.4 | 193.4 | 193.4 | 196.5 | 199.4 | 196.5 | 193.4 |
| 69° | 187.4 | 184.3 | 175.3 | 169.2 | 166.2 | 169.2 | 166.2 | 169.2 | 166.2 | 169.2 |
| 70° | 166.2 | 157.2 | 148.0 | 145.1 | 142.1 | 142.1 | 142.1 | 139.0 | 142.1 | 139.0 |
| 71° | 145.1 | 136.0 | 127.0 | 120.9 | 117.8 | 117.8 | 114.8 | 117.8 | 114.8 | 117.8 |
| 72° | 123.9 | 114.8 | 102.7 | 96.7 | 96.7 | 96.7 | 96.7 | 93.7 | 96.7 | 93.7 |
| 72.5° | 114.8 | 102.7 | 93.7 | 87.6 | 84.6 | 84.6 | 84.6 | 84.6 | 81.6 | 84.6 |
| 73° | 105.8 | 93.7 | 81.6 | 78.5 | 78.5 | 78.5 | 75.6 | 72.5 | 75.6 | 75.6 |



TEST NUMBER: P584532
CATALOG NUMBER: HCC8W40D010MW-HM82555830-81RWWH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 77.5° | 36.3 | 27.3 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 21.2 | 21.2 |
| 80° | 15.1 | 12.1 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 |
| 82.5° | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |
| 85° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 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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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Peachtree City, GA 30269

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

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Peachtree City, GA 30269



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|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 74° | 196.5 | 196.5 | 190.4 | 181.4 | 166.2 | 151.1 | 139.0 | 127.0 | 111.9 | 96.7 | 90.7 |
| 75° | 181.4 | 178.3 | 172.3 | 163.1 | 151.1 | 136.0 | 123.9 | 108.8 | 96.7 | 81.6 | 75.6 |

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| | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|
| 74° | 87.6 | 72.5 | 66.5 | 60.5 | 60.5 | 60.5 | 57.5 | 57.5 | 57.5 | 60.5 |
| 75° | 69.5 | 57.5 | 51.4 | 45.3 | 48.3 | 45.3 | 48.3 | 45.3 | 45.3 | 45.3 |

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