

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: P585135

Luminaire Tested: **HCC8S60D010SL-HM86080927-81WWWB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585135
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S60D010SL-HM86080927-81WWWB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

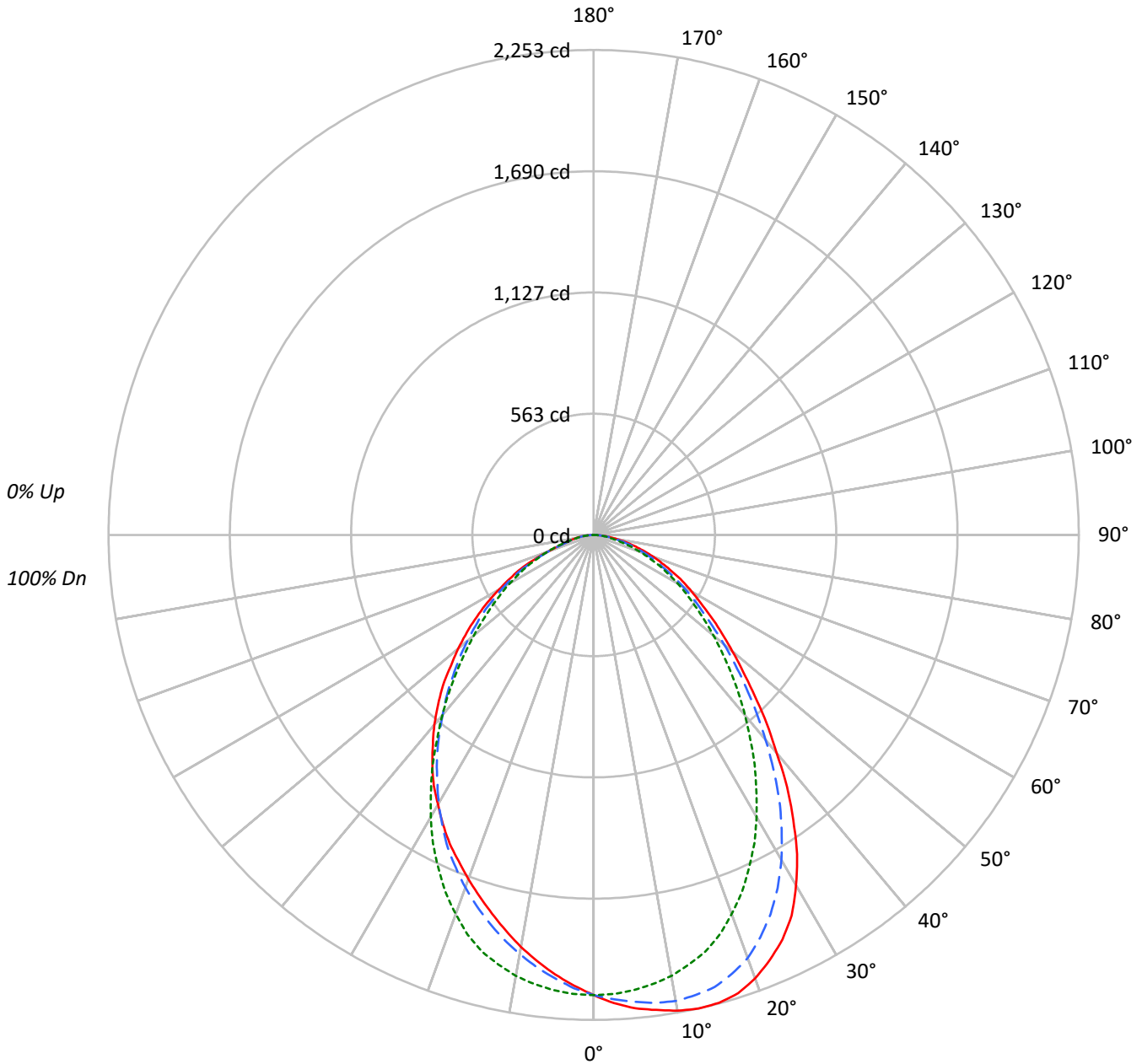
Lumens per Lamp: N/A
Luminaire Lumens: 4300.0 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.18
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P585135
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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 | 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 | 92 | 91 | 89 | 87 | | | | | 87 | | | |
| 2 | 102 | 94 | 88 | 83 | 99 | 93 | 87 | 82 | 89 | 85 | 81 | 86 | 82 | 79 | 83 | 80 | 77 | 75 | | | | | 75 | | | |
| 3 | 94 | 84 | 77 | 71 | 91 | 83 | 76 | 71 | 80 | 74 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 65 | | | | | 65 | | | |
| 4 | 87 | 76 | 68 | 62 | 84 | 75 | 67 | 61 | 72 | 66 | 61 | 70 | 64 | 60 | 68 | 63 | 59 | 57 | | | | | 57 | | | |
| 5 | 80 | 69 | 60 | 54 | 78 | 67 | 60 | 54 | 65 | 59 | 54 | 64 | 58 | 53 | 62 | 57 | 52 | 50 | | | | | 50 | | | |
| 6 | 75 | 62 | 54 | 48 | 73 | 61 | 54 | 48 | 60 | 53 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 45 | | | | | 45 | | | |
| 7 | 70 | 57 | 49 | 43 | 68 | 56 | 49 | 43 | 55 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 42 | 40 | | | | | 40 | | | |
| 8 | 65 | 52 | 45 | 39 | 64 | 52 | 44 | 39 | 51 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 38 | 37 | | | | | 37 | | | |
| 9 | 61 | 48 | 41 | 36 | 60 | 48 | 41 | 36 | 47 | 40 | 35 | 46 | 40 | 35 | 45 | 39 | 35 | 33 | | | | | 33 | | | |
| 10 | 57 | 45 | 38 | 33 | 56 | 44 | 37 | 33 | 44 | 37 | 32 | 43 | 37 | 32 | 42 | 36 | 32 | 30 | | | | | 30 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 65925 | 65925 | 65925 |
| 5° | 68340 | 65709 | 63453 |
| 10° | 70274 | 65138 | 60858 |
| 15° | 71842 | 63989 | 58169 |
| 20° | 71951 | 61489 | 55809 |
| 25° | 70573 | 58069 | 53833 |
| 30° | 66933 | 53848 | 51473 |
| 35° | 60822 | 49047 | 49160 |
| 40° | 53179 | 44010 | 46332 |
| 45° | 46090 | 39205 | 43177 |
| 50° | 40355 | 34819 | 39338 |
| 55° | 35923 | 30854 | 35595 |
| 60° | 32403 | 27722 | 31274 |
| 65° | 29252 | 24370 | 27260 |
| 70° | 26290 | 20538 | 20259 |
| 75° | 23149 | 16287 | 15203 |
| 80° | 19409 | 13478 | 14561 |
| 85° | 15072 | 11817 | 12879 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 201.7 | 4.7 |
| 10°-20° | 568.1 | 13.2 |
| 20°-30° | 811.9 | 18.9 |
| 30°-40° | 862.7 | 20.1 |
| 40°-50° | 742.7 | 17.3 |
| 50°-60° | 555.3 | 12.9 |
| 60°-70° | 354.2 | 8.2 |
| 70°-80° | 161.2 | 3.7 |
| 80°-90° | 42.3 | 1.0 |
| 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° | 1581.7 | 36.8 |
| 0°-40° | 2444.3 | 56.8 |
| 0°-60° | 3742.3 | 87.0 |
| 0°-90° | 4300.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4300.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2138 | 2138 | 2138 | 2138 | 2138 | |
| 5° | 2208 | 2178 | 2123 | 2068 | 2050 | 212 |
| 15° | 2250 | 2174 | 2004 | 1868 | 1822 | 634 |
| 25° | 2074 | 1944 | 1707 | 1604 | 1582 | 949 |
| 35° | 1616 | 1503 | 1303 | 1269 | 1306 | 1006 |
| 45° | 1057 | 999 | 899 | 923 | 990 | 822 |
| 55° | 668 | 614 | 574 | 623 | 662 | 601 |
| 65° | 401 | 355 | 334 | 349 | 374 | 400 |
| 75° | 194 | 167 | 137 | 125 | 128 | 206 |
| 85° | 43 | 36 | 33 | 36 | 36 | 51 |
| 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° | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 |
| 2.5° | 2177.5 | 2171.4 | 2174.4 | 2171.4 | 2174.4 | 2174.4 | 2168.4 | 2168.4 | 2168.4 | 2168.4 | 2159.3 |
| 5° | 2207.8 | 2204.8 | 2204.8 | 2201.7 | 2198.7 | 2201.7 | 2198.7 | 2195.7 | 2189.6 | 2186.6 | 2177.5 |
| 7.5° | 2226.1 | 2226.1 | 2226.1 | 2226.1 | 2223.1 | 2219.9 | 2217.0 | 2210.8 | 2204.8 | 2198.7 | 2192.6 |
| 10° | 2244.3 | 2247.3 | 2244.3 | 2241.3 | 2238.2 | 2232.2 | 2229.1 | 2223.1 | 2214.0 | 2204.8 | 2198.7 |
| 12.5° | 2253.4 | 2253.4 | 2250.4 | 2250.4 | 2244.3 | 2241.3 | 2232.2 | 2223.1 | 2214.0 | 2204.8 | 2189.6 |
| 15° | 2250.4 | 2250.4 | 2247.3 | 2244.3 | 2235.2 | 2232.2 | 2226.1 | 2217.0 | 2201.7 | 2189.6 | 2174.4 |
| 17.5° | 2232.2 | 2229.1 | 2223.1 | 2223.1 | 2210.8 | 2207.8 | 2201.7 | 2189.6 | 2174.4 | 2156.2 | 2137.9 |
| 20° | 2192.6 | 2192.6 | 2189.6 | 2186.6 | 2174.4 | 2165.3 | 2159.3 | 2144.1 | 2131.9 | 2110.6 | 2092.4 |
| 22.5° | 2137.9 | 2144.1 | 2137.9 | 2131.9 | 2116.7 | 2113.7 | 2104.6 | 2086.4 | 2068.2 | 2043.8 | 2022.6 |
| 25° | 2074.2 | 2071.2 | 2068.2 | 2062.0 | 2049.9 | 2043.8 | 2031.7 | 2013.5 | 1995.3 | 1967.9 | 1943.6 |
| 27.5° | 1992.2 | 1980.0 | 1980.0 | 1967.9 | 1958.8 | 1949.7 | 1943.6 | 1925.4 | 1901.1 | 1879.8 | 1849.5 |
| 30° | 1879.8 | 1882.9 | 1867.7 | 1864.7 | 1849.5 | 1843.4 | 1831.3 | 1813.0 | 1791.8 | 1767.5 | 1743.1 |
| 32.5° | 1758.4 | 1749.2 | 1749.2 | 1737.1 | 1724.9 | 1715.8 | 1712.8 | 1691.6 | 1673.4 | 1649.0 | 1624.8 |
| 35° | 1615.7 | 1615.7 | 1606.6 | 1603.5 | 1591.3 | 1585.2 | 1576.1 | 1564.0 | 1542.8 | 1521.4 | 1503.2 |
| 37.5° | 1475.9 | 1469.9 | 1466.8 | 1460.8 | 1451.7 | 1442.6 | 1442.6 | 1421.2 | 1418.2 | 1393.9 | 1369.7 |
| 40° | 1321.1 | 1327.1 | 1321.1 | 1312.0 | 1308.9 | 1302.9 | 1299.8 | 1287.7 | 1278.5 | 1257.3 | 1242.1 |
| 42.5° | 1190.4 | 1184.4 | 1184.4 | 1181.3 | 1169.2 | 1169.2 | 1163.1 | 1157.1 | 1141.9 | 1135.8 | 1117.5 |
| 45° | 1056.9 | 1062.9 | 1053.7 | 1056.9 | 1044.7 | 1044.7 | 1044.7 | 1032.5 | 1020.4 | 1011.3 | 999.2 |
| 47.5° | 941.4 | 944.5 | 944.5 | 935.4 | 932.3 | 932.3 | 926.3 | 920.2 | 911.1 | 899.0 | 889.8 |
| 50° | 841.2 | 844.3 | 838.2 | 835.2 | 829.1 | 826.1 | 826.1 | 813.8 | 807.8 | 795.6 | 789.6 |
| 52.5° | 750.2 | 750.2 | 747.1 | 747.1 | 737.9 | 737.9 | 731.9 | 722.8 | 716.7 | 710.6 | 695.5 |
| 55° | 668.2 | 668.2 | 665.1 | 662.1 | 662.1 | 652.9 | 649.9 | 640.8 | 634.7 | 622.6 | 613.5 |
| 57.5° | 589.2 | 592.2 | 589.2 | 586.2 | 583.0 | 580.0 | 573.9 | 564.8 | 558.8 | 549.7 | 543.6 |
| 60° | 525.4 | 525.4 | 522.4 | 519.3 | 513.3 | 510.1 | 507.1 | 501.0 | 491.9 | 485.9 | 476.8 |
| 62.5° | 464.6 | 461.6 | 458.6 | 455.5 | 449.5 | 449.5 | 443.4 | 437.4 | 428.3 | 422.1 | 416.0 |
| 65° | 400.9 | 400.9 | 397.8 | 397.8 | 394.8 | 388.7 | 385.7 | 382.7 | 370.5 | 367.5 | 355.4 |
| 67.5° | 343.1 | 346.3 | 340.1 | 340.1 | 334.0 | 334.0 | 331.0 | 321.9 | 318.9 | 312.8 | 306.7 |
| 70° | 291.6 | 291.6 | 291.6 | 288.5 | 282.5 | 279.4 | 276.4 | 270.2 | 267.2 | 261.1 | 255.1 |
| 72.5° | 239.9 | 239.9 | 236.9 | 236.9 | 233.8 | 230.8 | 227.8 | 221.7 | 221.7 | 215.6 | 209.6 |
| 75° | 194.3 | 194.3 | 191.3 | 188.2 | 185.2 | 185.2 | 182.2 | 179.1 | 173.1 | 170.0 | 167.0 |
| 77.5° | 148.8 | 148.8 | 148.8 | 145.8 | 142.8 | 142.8 | 142.8 | 136.7 | 130.6 | 130.6 | 127.6 |
| 80° | 109.3 | 109.3 | 106.3 | 106.3 | 103.2 | 103.2 | 103.2 | 100.2 | 97.2 | 94.1 | 91.1 |
| 82.5° | 72.9 | 72.9 | 72.9 | 72.9 | 69.9 | 69.9 | 69.9 | 66.8 | 63.8 | 63.8 | 63.8 |
| 85° | 42.6 | 42.6 | 42.6 | 42.6 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 36.4 | 36.4 |
| 87.5° | 18.2 | 15.2 | 18.2 | 15.2 | 18.2 | 15.2 | 18.2 | 15.2 | 15.2 | 15.2 | 15.2 |
| 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° | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 |
| 2.5° | 2162.3 | 2159.3 | 2156.2 | 2153.2 | 2153.2 | 2150.2 | 2144.1 | 2141.1 | 2137.9 | 2134.9 | 2134.9 |
| 5° | 2174.4 | 2171.4 | 2165.3 | 2159.3 | 2156.2 | 2150.2 | 2144.1 | 2137.9 | 2131.9 | 2122.8 | 2119.7 |
| 7.5° | 2183.5 | 2174.4 | 2168.4 | 2156.2 | 2153.2 | 2147.1 | 2137.9 | 2128.8 | 2116.7 | 2104.6 | 2095.5 |
| 10° | 2183.5 | 2171.4 | 2162.3 | 2147.1 | 2141.1 | 2134.9 | 2122.8 | 2107.6 | 2092.4 | 2080.3 | 2065.0 |
| 12.5° | 2177.5 | 2162.3 | 2147.1 | 2131.9 | 2122.8 | 2113.7 | 2095.5 | 2080.3 | 2062.0 | 2043.8 | 2031.7 |
| 15° | 2156.2 | 2137.9 | 2119.7 | 2101.5 | 2092.4 | 2080.3 | 2062.0 | 2040.8 | 2022.6 | 2004.4 | 1983.0 |
| 17.5° | 2116.7 | 2098.5 | 2077.3 | 2055.9 | 2043.8 | 2034.7 | 2007.4 | 1992.2 | 1964.8 | 1946.7 | 1928.5 |
| 20° | 2065.0 | 2043.8 | 2016.5 | 1995.3 | 1980.0 | 1970.9 | 1949.7 | 1922.4 | 1901.1 | 1873.8 | 1855.6 |
| 22.5° | 1998.3 | 1970.9 | 1943.6 | 1922.4 | 1907.1 | 1895.0 | 1867.7 | 1840.4 | 1822.1 | 1797.8 | 1776.6 |
| 25° | 1919.4 | 1892.0 | 1864.7 | 1834.3 | 1819.1 | 1806.9 | 1782.7 | 1758.4 | 1734.0 | 1706.7 | 1688.5 |
| 27.5° | 1825.1 | 1794.8 | 1770.5 | 1743.1 | 1728.0 | 1709.8 | 1682.5 | 1658.1 | 1633.9 | 1615.7 | 1591.3 |
| 30° | 1721.9 | 1688.5 | 1664.2 | 1636.9 | 1621.7 | 1606.6 | 1579.2 | 1554.9 | 1533.7 | 1512.3 | 1500.2 |
| 32.5° | 1597.5 | 1573.1 | 1548.8 | 1521.4 | 1509.3 | 1500.2 | 1472.9 | 1448.6 | 1424.3 | 1406.1 | 1397.0 |
| 35° | 1479.0 | 1451.7 | 1430.3 | 1406.1 | 1390.9 | 1381.8 | 1357.4 | 1336.2 | 1324.1 | 1302.9 | 1290.7 |
| 37.5° | 1354.4 | 1333.2 | 1308.9 | 1284.7 | 1275.5 | 1266.4 | 1248.2 | 1226.9 | 1208.6 | 1193.5 | 1187.4 |
| 40° | 1223.9 | 1205.6 | 1184.4 | 1169.2 | 1160.1 | 1151.0 | 1135.8 | 1120.6 | 1108.4 | 1093.3 | 1087.2 |
| 42.5° | 1099.3 | 1087.2 | 1069.0 | 1050.7 | 1041.6 | 1038.6 | 1020.4 | 1008.3 | 1002.2 | 996.1 | 990.1 |
| 45° | 987.0 | 968.7 | 956.6 | 944.5 | 935.4 | 929.3 | 920.2 | 911.1 | 905.0 | 899.0 | 892.8 |
| 47.5° | 877.6 | 862.5 | 850.3 | 841.2 | 832.1 | 829.1 | 823.0 | 813.8 | 807.8 | 807.8 | 807.8 |
| 50° | 777.4 | 765.3 | 753.2 | 747.1 | 744.1 | 737.9 | 731.9 | 728.8 | 725.8 | 725.8 | 725.8 |
| 52.5° | 689.4 | 677.3 | 668.2 | 662.1 | 662.1 | 655.9 | 649.9 | 646.8 | 646.8 | 646.8 | 646.8 |
| 55° | 607.4 | 598.3 | 592.2 | 586.2 | 580.0 | 577.0 | 577.0 | 577.0 | 573.9 | 573.9 | 577.0 |
| 57.5° | 534.5 | 528.4 | 519.3 | 513.3 | 510.1 | 510.1 | 507.1 | 504.2 | 507.1 | 510.1 | 513.3 |
| 60° | 467.7 | 461.6 | 458.6 | 449.5 | 449.5 | 449.5 | 446.5 | 446.5 | 446.5 | 449.5 | 452.5 |
| 62.5° | 406.9 | 403.9 | 397.8 | 394.8 | 391.8 | 391.8 | 388.7 | 388.7 | 388.7 | 388.7 | 391.8 |
| 65° | 352.2 | 346.3 | 340.1 | 340.1 | 340.1 | 337.1 | 337.1 | 331.0 | 334.0 | 334.0 | 331.0 |
| 67.5° | 300.7 | 294.6 | 291.6 | 288.5 | 285.5 | 285.5 | 282.5 | 279.4 | 276.4 | 276.4 | 276.4 |
| 70° | 252.0 | 246.0 | 246.0 | 239.9 | 239.9 | 236.9 | 233.8 | 233.8 | 230.8 | 227.8 | 224.7 |
| 72.5° | 203.5 | 200.5 | 197.3 | 194.3 | 194.3 | 194.3 | 191.3 | 188.2 | 185.2 | 182.2 | 176.1 |
| 75° | 160.9 | 160.9 | 154.9 | 151.8 | 151.8 | 148.8 | 145.8 | 142.8 | 139.7 | 136.7 | 133.7 |
| 77.5° | 124.6 | 121.5 | 115.5 | 112.3 | 112.3 | 112.3 | 109.3 | 106.3 | 103.2 | 100.2 | 97.2 |
| 80° | 91.1 | 88.1 | 85.0 | 82.0 | 82.0 | 82.0 | 79.0 | 79.0 | 75.9 | 75.9 | 75.9 |
| 82.5° | 60.8 | 60.8 | 57.7 | 57.7 | 57.7 | 57.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| 85° | 36.4 | 36.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 87.5° | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 |
| 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° | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 |
| 2.5° | 2128.8 | 2128.8 | 2122.8 | 2119.7 | 2116.7 | 2119.7 | 2113.7 | 2110.6 | 2107.6 | 2107.6 | 2104.6 |
| 5° | 2110.6 | 2107.6 | 2095.5 | 2092.4 | 2089.4 | 2086.4 | 2080.3 | 2074.2 | 2068.2 | 2065.0 | 2062.0 |
| 7.5° | 2086.4 | 2077.3 | 2065.0 | 2062.0 | 2059.0 | 2049.9 | 2040.8 | 2034.7 | 2025.6 | 2022.6 | 2016.5 |
| 10° | 2052.9 | 2040.8 | 2031.7 | 2022.6 | 2016.5 | 2007.4 | 1998.3 | 1989.2 | 1977.0 | 1973.9 | 1964.8 |
| 12.5° | 2013.5 | 1998.3 | 1980.0 | 1977.0 | 1967.9 | 1955.7 | 1943.6 | 1934.5 | 1925.4 | 1919.4 | 1910.3 |
| 15° | 1964.8 | 1949.7 | 1931.5 | 1922.4 | 1913.3 | 1904.1 | 1888.9 | 1876.8 | 1867.7 | 1858.6 | 1849.5 |
| 17.5° | 1907.1 | 1888.9 | 1873.8 | 1864.7 | 1858.6 | 1843.4 | 1831.3 | 1816.0 | 1806.9 | 1797.8 | 1788.7 |
| 20° | 1837.4 | 1822.1 | 1800.9 | 1791.8 | 1788.7 | 1776.6 | 1761.4 | 1755.4 | 1743.1 | 1734.0 | 1728.0 |
| 22.5° | 1758.4 | 1743.1 | 1724.9 | 1718.9 | 1706.7 | 1700.7 | 1685.5 | 1679.4 | 1673.4 | 1664.2 | 1661.1 |
| 25° | 1670.2 | 1655.1 | 1639.9 | 1636.9 | 1627.8 | 1621.7 | 1612.6 | 1603.5 | 1603.5 | 1594.3 | 1594.3 |
| 27.5° | 1579.2 | 1564.0 | 1551.9 | 1545.8 | 1542.8 | 1536.7 | 1527.6 | 1524.6 | 1521.4 | 1518.5 | 1518.5 |
| 30° | 1482.0 | 1463.8 | 1457.7 | 1454.7 | 1451.7 | 1445.6 | 1442.6 | 1436.4 | 1439.4 | 1442.6 | 1439.4 |
| 32.5° | 1378.8 | 1372.7 | 1360.6 | 1354.4 | 1357.4 | 1354.4 | 1348.4 | 1354.4 | 1351.4 | 1357.4 | 1360.6 |
| 35° | 1278.5 | 1272.4 | 1266.4 | 1266.4 | 1260.3 | 1260.3 | 1260.3 | 1263.3 | 1269.4 | 1272.4 | 1278.5 |
| 37.5° | 1181.3 | 1172.2 | 1169.2 | 1166.2 | 1169.2 | 1169.2 | 1169.2 | 1175.3 | 1181.3 | 1187.4 | 1196.5 |
| 40° | 1078.1 | 1072.0 | 1072.0 | 1072.0 | 1072.0 | 1081.1 | 1078.1 | 1084.2 | 1090.2 | 1099.3 | 1108.4 |
| 42.5° | 981.0 | 981.0 | 984.0 | 984.0 | 984.0 | 984.0 | 990.1 | 999.2 | 1008.3 | 1017.4 | 1026.5 |
| 45° | 889.8 | 889.8 | 889.8 | 895.8 | 895.8 | 899.0 | 911.1 | 917.2 | 923.2 | 932.3 | 941.4 |
| 47.5° | 804.7 | 804.7 | 807.8 | 810.8 | 813.8 | 820.0 | 826.1 | 835.2 | 844.3 | 850.3 | 859.4 |
| 50° | 725.8 | 728.8 | 734.9 | 741.1 | 741.1 | 744.1 | 753.2 | 759.2 | 765.3 | 774.4 | 777.4 |
| 52.5° | 649.9 | 655.9 | 662.1 | 665.1 | 668.2 | 674.2 | 677.3 | 686.4 | 689.4 | 698.5 | 701.5 |
| 55° | 580.0 | 583.0 | 592.2 | 595.3 | 595.3 | 601.3 | 607.4 | 613.5 | 622.6 | 622.6 | 628.6 |
| 57.5° | 516.3 | 519.3 | 525.4 | 528.4 | 525.4 | 534.5 | 537.5 | 543.6 | 546.6 | 552.7 | 555.7 |
| 60° | 452.5 | 458.6 | 461.6 | 461.6 | 464.6 | 467.7 | 473.7 | 473.7 | 479.8 | 485.9 | 485.9 |
| 62.5° | 391.8 | 394.8 | 397.8 | 400.9 | 403.9 | 400.9 | 410.0 | 410.0 | 416.0 | 419.1 | 425.1 |
| 65° | 334.0 | 337.1 | 337.1 | 340.1 | 340.1 | 343.1 | 343.1 | 346.3 | 349.2 | 355.4 | 358.4 |
| 67.5° | 276.4 | 276.4 | 276.4 | 279.4 | 276.4 | 279.4 | 279.4 | 282.5 | 282.5 | 288.5 | 291.6 |
| 70° | 224.7 | 221.7 | 218.7 | 218.7 | 218.7 | 218.7 | 215.6 | 218.7 | 218.7 | 221.7 | 221.7 |
| 72.5° | 173.1 | 170.0 | 167.0 | 164.0 | 164.0 | 160.9 | 157.9 | 160.9 | 160.9 | 164.0 | 164.0 |
| 75° | 130.6 | 124.6 | 124.6 | 124.6 | 121.5 | 121.5 | 121.5 | 124.6 | 124.6 | 124.6 | 127.6 |
| 77.5° | 97.2 | 97.2 | 94.1 | 94.1 | 94.1 | 97.2 | 97.2 | 100.2 | 100.2 | 100.2 | 100.2 |
| 80° | 72.9 | 75.9 | 75.9 | 75.9 | 75.9 | 79.0 | 79.0 | 79.0 | 79.0 | 82.0 | 82.0 |
| 82.5° | 54.7 | 54.7 | 54.7 | 54.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| 85° | 33.4 | 36.4 | 36.4 | 33.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 |
| 87.5° | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 |
| 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: P585135

CATALOG NUMBER: HCC8S60D010SL-HM86080927-81WWWB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 | 2137.9 |
| 2.5° | 2101.5 | 2101.5 | 2101.5 | 2101.5 | 2098.5 | 2098.5 | 2098.5 | 2095.5 |
| 5° | 2055.9 | 2055.9 | 2055.9 | 2049.9 | 2052.9 | 2052.9 | 2046.8 | 2049.9 |
| 7.5° | 2010.4 | 2007.4 | 2004.4 | 2004.4 | 2001.3 | 1998.3 | 1995.3 | 1998.3 |
| 10° | 1958.8 | 1949.7 | 1949.7 | 1946.7 | 1946.7 | 1940.6 | 1940.6 | 1943.6 |
| 12.5° | 1901.1 | 1895.0 | 1895.0 | 1892.0 | 1888.9 | 1885.9 | 1882.9 | 1882.9 |
| 15° | 1843.4 | 1837.4 | 1834.3 | 1831.3 | 1828.3 | 1822.1 | 1825.1 | 1822.1 |
| 17.5° | 1785.7 | 1776.6 | 1776.6 | 1773.6 | 1770.5 | 1764.5 | 1764.5 | 1761.4 |
| 20° | 1718.9 | 1715.8 | 1709.8 | 1712.8 | 1709.8 | 1703.7 | 1700.7 | 1700.7 |
| 22.5° | 1652.1 | 1652.1 | 1649.0 | 1649.0 | 1646.0 | 1643.0 | 1639.9 | 1639.9 |
| 25° | 1588.3 | 1585.2 | 1588.3 | 1588.3 | 1579.2 | 1579.2 | 1579.2 | 1582.2 |
| 27.5° | 1515.5 | 1518.5 | 1515.5 | 1515.5 | 1515.5 | 1515.5 | 1518.5 | 1515.5 |
| 30° | 1442.6 | 1442.6 | 1442.6 | 1445.6 | 1451.7 | 1448.6 | 1448.6 | 1445.6 |
| 32.5° | 1363.5 | 1366.5 | 1366.5 | 1369.7 | 1372.7 | 1378.8 | 1378.8 | 1381.8 |
| 35° | 1284.7 | 1290.7 | 1293.8 | 1290.7 | 1299.8 | 1299.8 | 1305.9 | 1305.9 |
| 37.5° | 1202.7 | 1205.6 | 1211.8 | 1214.8 | 1220.9 | 1223.9 | 1226.9 | 1226.9 |
| 40° | 1114.5 | 1126.6 | 1129.8 | 1132.8 | 1141.9 | 1141.9 | 1144.9 | 1151.0 |
| 42.5° | 1032.5 | 1044.7 | 1047.7 | 1050.7 | 1056.9 | 1066.0 | 1062.9 | 1069.0 |
| 45° | 953.6 | 962.7 | 965.7 | 968.7 | 977.9 | 981.0 | 981.0 | 990.1 |
| 47.5° | 868.5 | 874.6 | 877.6 | 883.7 | 889.8 | 895.8 | 902.0 | 899.0 |
| 50° | 783.5 | 792.6 | 798.7 | 801.7 | 810.8 | 813.8 | 817.0 | 820.0 |
| 52.5° | 707.6 | 713.7 | 716.7 | 719.7 | 728.8 | 731.9 | 734.9 | 741.1 |
| 55° | 634.7 | 637.7 | 643.8 | 640.8 | 649.9 | 652.9 | 655.9 | 662.1 |
| 57.5° | 561.8 | 564.8 | 567.9 | 567.9 | 573.9 | 580.0 | 583.0 | 586.2 |
| 60° | 491.9 | 498.0 | 501.0 | 501.0 | 501.0 | 507.1 | 507.1 | 507.1 |
| 62.5° | 428.3 | 428.3 | 431.3 | 431.3 | 437.4 | 437.4 | 437.4 | 437.4 |
| 65° | 361.4 | 364.5 | 367.5 | 367.5 | 373.6 | 370.5 | 376.6 | 373.6 |
| 67.5° | 291.6 | 291.6 | 297.6 | 297.6 | 294.6 | 297.6 | 297.6 | 297.6 |
| 70° | 221.7 | 221.7 | 224.7 | 224.7 | 224.7 | 224.7 | 224.7 | 224.7 |
| 72.5° | 164.0 | 164.0 | 164.0 | 167.0 | 164.0 | 164.0 | 167.0 | 164.0 |
| 75° | 127.6 | 127.6 | 127.6 | 127.6 | 127.6 | 127.6 | 127.6 | 127.6 |
| 77.5° | 100.2 | 100.2 | 103.2 | 103.2 | 103.2 | 103.2 | 103.2 | 103.2 |
| 80° | 82.0 | 82.0 | 82.0 | 82.0 | 85.0 | 82.0 | 82.0 | 82.0 |
| 82.5° | 60.8 | 57.7 | 60.8 | 57.7 | 60.8 | 60.8 | 60.8 | 60.8 |
| 85° | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 |
| 87.5° | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 |
| 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)