

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: P584498

Luminaire Tested: **HCC8S35D010BZ-HM82555940-81RWWH**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584498
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: HCC8S35D010BZ-HM82555940-81RWWH
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

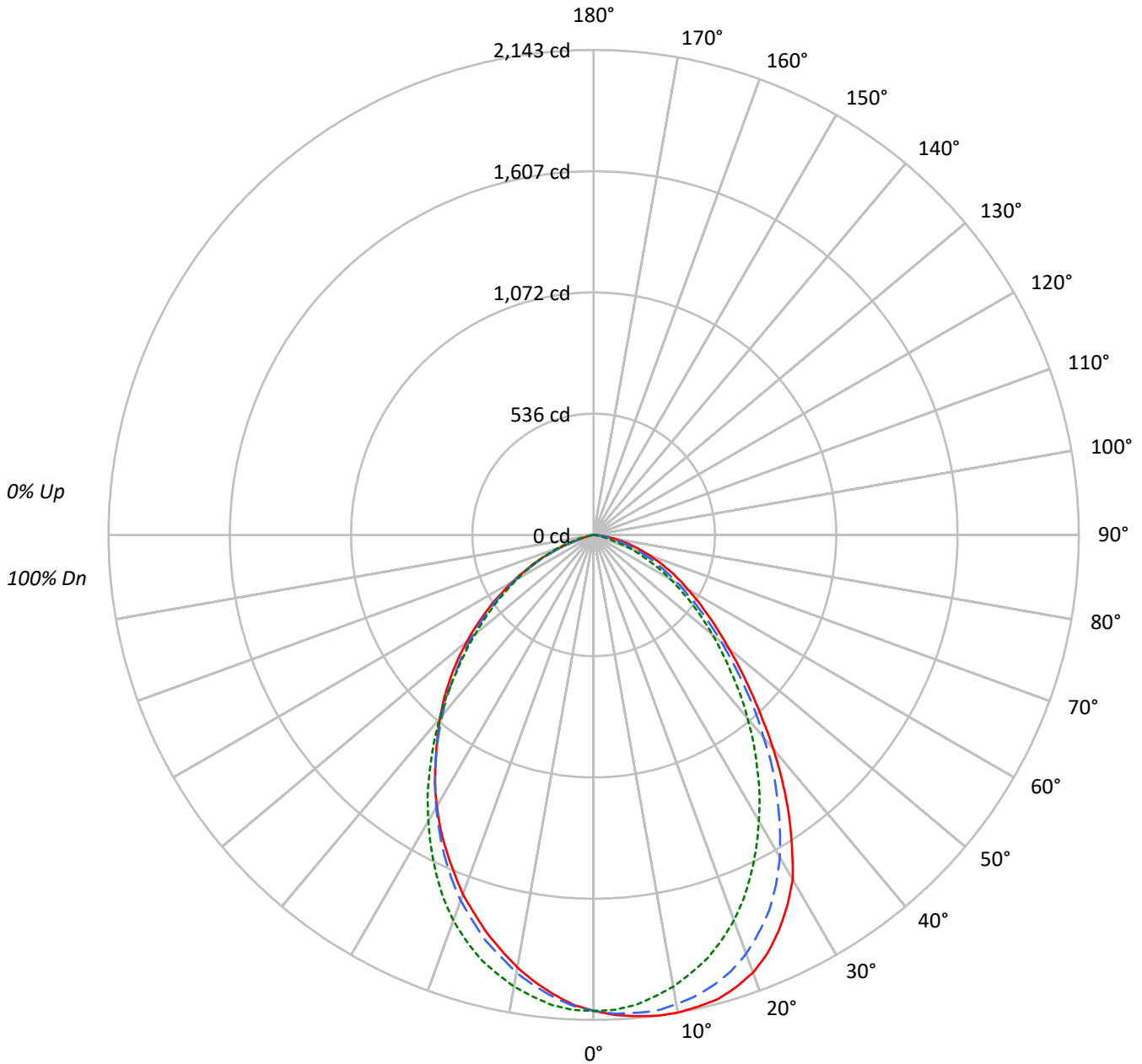
Lumens per Lamp: N/A
Luminaire Lumens: 3943.1 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
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: P584498
CATALOG NUMBER: HCC8S35D010BZ-HM82555940-81RWWH

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|--|--|--|--|---|
| RF | 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° | 64858 | 64858 | 64858 |
| 5° | 66078 | 64576 | 63078 |
| 10° | 67108 | 63451 | 60773 |
| 15° | 67784 | 61869 | 58140 |
| 20° | 67524 | 59481 | 55458 |
| 25° | 65748 | 56051 | 52367 |
| 30° | 62611 | 51957 | 49319 |
| 35° | 56538 | 47420 | 45809 |
| 40° | 49677 | 42565 | 42448 |
| 45° | 42881 | 37412 | 39026 |
| 50° | 37328 | 32818 | 35001 |
| 55° | 33101 | 28499 | 30488 |
| 60° | 29529 | 24077 | 25310 |
| 65° | 26618 | 19547 | 19963 |
| 70° | 23640 | 14642 | 11820 |
| 75° | 20373 | 8495 | 5099 |
| 80° | 15680 | 3037 | 1509 |
| 85° | 10084 | 1026 | 1026 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 197.4 | 5.0 |
| 10°-20° | 549.7 | 13.9 |
| 20°-30° | 777.4 | 19.7 |
| 30°-40° | 819.2 | 20.8 |
| 40°-50° | 696.2 | 17.7 |
| 50°-60° | 501.3 | 12.7 |
| 60°-70° | 289.2 | 7.3 |
| 70°-80° | 98.9 | 2.5 |
| 80°-90° | 13.6 | 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° | 1524.5 | 38.7 |
| 0°-40° | 2343.7 | 59.4 |
| 0°-60° | 3541.3 | 89.8 |
| 0°-90° | 3943.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3943.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2103 | 2103 | 2103 | 2103 | 2103 | |
| 5° | 2135 | 2120 | 2086 | 2049 | 2038 | 204 |
| 15° | 2123 | 2058 | 1938 | 1852 | 1821 | 598 |
| 25° | 1932 | 1833 | 1647 | 1562 | 1539 | 886 |
| 35° | 1502 | 1414 | 1260 | 1214 | 1217 | 935 |
| 45° | 983 | 938 | 858 | 864 | 895 | 764 |
| 55° | 616 | 567 | 530 | 550 | 567 | 554 |
| 65° | 365 | 314 | 268 | 262 | 274 | 363 |
| 75° | 171 | 128 | 71 | 46 | 43 | 180 |
| 85° | 28 | 17 | 3 | 3 | 3 | 38 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P584498

CATALOG NUMBER: HCC8S35D010BZ-HM82555940-81RWWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2103.3 | 2103.3 | 2103.3 | 2103.3 | 2103.3 | 2103.3 | 2103.3 | 2103.3 | 2103.3 | 2103.3 | 2103.3 |
| 2.5° | 2123.3 | 2126.1 | 2123.3 | 2123.3 | 2120.5 | 2117.6 | 2114.7 | 2111.8 | 2106.2 | 2100.5 | 2100.5 |
| 5° | 2134.7 | 2140.3 | 2134.7 | 2134.7 | 2126.1 | 2120.5 | 2114.7 | 2106.2 | 2094.8 | 2086.2 | 2086.2 |
| 7.5° | 2143.2 | 2143.2 | 2143.2 | 2134.7 | 2129.0 | 2120.5 | 2106.2 | 2091.9 | 2077.7 | 2063.4 | 2057.7 |
| 10° | 2143.2 | 2143.2 | 2140.3 | 2129.0 | 2123.3 | 2106.2 | 2091.9 | 2071.9 | 2052.1 | 2032.0 | 2026.4 |
| 12.5° | 2134.7 | 2137.5 | 2131.8 | 2120.5 | 2106.2 | 2086.2 | 2066.3 | 2040.7 | 2017.8 | 1995.0 | 1983.6 |
| 15° | 2123.3 | 2120.5 | 2114.7 | 2100.5 | 2083.3 | 2057.7 | 2037.8 | 2009.3 | 1977.9 | 1949.4 | 1938.0 |
| 17.5° | 2094.8 | 2094.8 | 2086.2 | 2071.9 | 2049.2 | 2020.7 | 1989.3 | 1958.0 | 1923.7 | 1892.5 | 1878.2 |
| 20° | 2057.7 | 2057.7 | 2046.3 | 2029.2 | 2006.4 | 1969.4 | 1935.1 | 1898.1 | 1858.2 | 1826.8 | 1812.6 |
| 22.5° | 2003.5 | 2006.4 | 1992.2 | 1972.3 | 1946.6 | 1903.9 | 1869.6 | 1824.1 | 1784.2 | 1747.0 | 1735.7 |
| 25° | 1932.4 | 1938.0 | 1923.7 | 1903.9 | 1869.6 | 1832.6 | 1789.8 | 1747.0 | 1701.5 | 1664.4 | 1647.4 |
| 27.5° | 1849.7 | 1852.5 | 1838.3 | 1818.3 | 1784.2 | 1744.2 | 1701.5 | 1655.9 | 1613.1 | 1573.2 | 1556.1 |
| 30° | 1758.4 | 1747.0 | 1741.4 | 1715.8 | 1678.6 | 1644.5 | 1596.0 | 1559.0 | 1513.3 | 1479.2 | 1459.2 |
| 32.5° | 1630.2 | 1635.9 | 1618.9 | 1598.9 | 1570.3 | 1530.4 | 1490.6 | 1447.8 | 1405.0 | 1379.4 | 1365.1 |
| 35° | 1501.9 | 1507.7 | 1499.2 | 1479.2 | 1447.8 | 1413.6 | 1373.7 | 1342.4 | 1305.3 | 1274.0 | 1259.7 |
| 37.5° | 1368.0 | 1368.0 | 1362.4 | 1350.9 | 1328.1 | 1296.7 | 1256.8 | 1225.6 | 1194.2 | 1168.5 | 1160.0 |
| 40° | 1234.1 | 1228.3 | 1225.6 | 1216.9 | 1197.0 | 1168.5 | 1142.9 | 1117.3 | 1085.9 | 1068.7 | 1057.4 |
| 42.5° | 1103.0 | 1103.0 | 1097.2 | 1088.7 | 1068.7 | 1054.5 | 1028.8 | 1000.3 | 977.6 | 960.4 | 960.4 |
| 45° | 983.3 | 986.1 | 977.6 | 971.8 | 960.4 | 937.7 | 914.9 | 894.9 | 875.0 | 863.5 | 857.9 |
| 47.5° | 877.8 | 877.8 | 869.3 | 863.5 | 852.1 | 832.3 | 812.2 | 795.1 | 780.9 | 772.4 | 769.5 |
| 50° | 778.1 | 778.1 | 778.1 | 763.8 | 749.6 | 735.3 | 721.1 | 701.1 | 692.6 | 686.8 | 684.1 |
| 52.5° | 692.6 | 689.7 | 689.7 | 678.3 | 664.1 | 646.9 | 632.7 | 615.7 | 607.0 | 601.4 | 604.2 |
| 55° | 615.7 | 615.7 | 612.8 | 598.5 | 584.3 | 567.1 | 552.9 | 538.6 | 533.0 | 527.2 | 530.1 |
| 56° | 584.3 | 584.3 | 581.4 | 570.0 | 552.9 | 538.6 | 521.6 | 507.4 | 498.7 | 501.6 | 501.6 |
| 57° | 561.5 | 555.8 | 555.8 | 541.5 | 527.2 | 507.4 | 493.1 | 478.8 | 473.1 | 470.2 | 470.2 |
| 58° | 533.0 | 530.1 | 527.2 | 513.0 | 498.7 | 481.7 | 467.5 | 453.2 | 444.6 | 444.6 | 441.7 |
| 59° | 504.5 | 504.5 | 498.7 | 487.3 | 473.1 | 456.0 | 441.7 | 427.4 | 418.9 | 416.1 | 416.1 |
| 60° | 478.8 | 481.7 | 473.1 | 461.7 | 450.3 | 430.3 | 413.3 | 401.8 | 393.3 | 390.4 | 390.4 |
| 61° | 456.0 | 456.0 | 450.3 | 436.1 | 421.8 | 407.6 | 390.4 | 376.2 | 370.5 | 364.8 | 364.8 |
| 62° | 436.1 | 430.3 | 427.4 | 413.3 | 399.1 | 381.9 | 367.7 | 353.4 | 344.9 | 339.2 | 342.0 |
| 63° | 410.4 | 407.6 | 401.8 | 390.4 | 376.2 | 359.2 | 342.0 | 330.6 | 322.0 | 313.5 | 316.4 |
| 64° | 390.4 | 387.6 | 379.0 | 367.7 | 353.4 | 336.3 | 319.1 | 307.8 | 302.1 | 293.5 | 290.8 |
| 65° | 364.8 | 361.9 | 359.2 | 344.9 | 330.6 | 313.5 | 299.3 | 287.9 | 279.3 | 273.6 | 267.9 |
| 66° | 342.0 | 344.9 | 339.2 | 327.8 | 310.6 | 296.4 | 276.5 | 265.0 | 259.4 | 250.9 | 245.1 |
| 67° | 322.0 | 322.0 | 316.4 | 305.0 | 287.9 | 273.6 | 259.4 | 245.1 | 236.6 | 228.0 | 225.1 |
| 67.5° | 310.6 | 310.6 | 305.0 | 290.8 | 279.3 | 262.2 | 248.0 | 236.6 | 225.1 | 219.5 | 213.7 |
| 68° | 299.3 | 299.3 | 296.4 | 285.0 | 270.7 | 253.6 | 239.4 | 225.1 | 213.7 | 205.2 | 202.3 |
| 69° | 279.3 | 282.1 | 276.5 | 265.0 | 250.9 | 233.7 | 219.5 | 208.1 | 196.7 | 188.1 | 182.5 |
| 70° | 262.2 | 259.4 | 253.6 | 242.2 | 228.0 | 216.6 | 202.3 | 188.1 | 176.7 | 165.3 | 162.4 |
| 71° | 239.4 | 239.4 | 233.7 | 225.1 | 210.8 | 196.7 | 182.5 | 171.0 | 159.6 | 145.3 | 142.4 |
| 72° | 222.3 | 222.3 | 216.6 | 205.2 | 193.8 | 179.6 | 165.3 | 151.1 | 142.4 | 128.3 | 122.6 |
| 72.5° | 210.8 | 213.7 | 208.1 | 196.7 | 185.2 | 168.2 | 156.7 | 145.3 | 131.1 | 119.7 | 114.0 |
| 73° | 205.2 | 202.3 | 199.5 | 188.1 | 173.8 | 162.4 | 148.2 | 136.8 | 122.6 | 111.2 | 105.4 |



TEST NUMBER: P584498
 CATALOG NUMBER: HCC8S35D010BZ-HM82555940-81RWWH

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------------|-------|-------|-------|-------|------|------|------|------|------|------|
| 77.5° | <i>128.3</i> | 128.3 | 125.4 | 114.0 | 102.5 | 91.2 | 79.8 | 68.4 | 57.0 | 45.6 | 39.9 |
| 80° | <i>88.3</i> | 91.2 | 85.5 | 79.8 | 71.3 | 59.9 | 48.4 | 39.9 | 28.5 | 22.8 | 17.1 |
| 82.5° | <i>57.0</i> | 57.0 | 54.1 | 48.4 | 42.8 | 34.1 | 28.5 | 20.0 | 14.3 | 11.4 | 8.5 |
| 85° | <i>28.5</i> | 31.4 | 28.5 | 25.6 | 20.0 | 17.1 | 14.3 | 8.5 | 5.8 | 2.9 | 2.9 |
| 87.5° | <i>11.4</i> | 11.4 | 11.4 | 8.5 | 8.5 | 5.8 | 2.9 | 2.9 | 2.9 | 0.0 | 0.0 |
| 90° | <i>0.0</i> | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P584498

CATALOG NUMBER: HCC8S35D010BZ-HM82555940-81RWWH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2103.3 | 2103.3 | 2103.3 | 2103.3 | 2103.3 | 2103.3 | 2103.3 | 2103.3 | 2103.3 | 2103.3 |
| 2.5° | 2094.8 | 2094.8 | 2089.1 | 2086.2 | 2083.3 | 2080.6 | 2077.7 | 2074.8 | 2074.8 | 2077.7 |
| 5° | 2077.7 | 2071.9 | 2060.6 | 2057.7 | 2049.2 | 2046.3 | 2040.7 | 2037.8 | 2040.7 | 2037.8 |
| 7.5° | 2052.1 | 2040.7 | 2026.4 | 2020.7 | 2009.3 | 2003.5 | 1995.0 | 1995.0 | 1989.3 | 1992.2 |
| 10° | 2017.8 | 2000.8 | 1983.6 | 1972.3 | 1963.6 | 1955.1 | 1949.4 | 1943.8 | 1940.9 | 1940.9 |
| 12.5° | 1975.0 | 1955.1 | 1938.0 | 1920.9 | 1906.6 | 1901.0 | 1889.6 | 1889.6 | 1883.9 | 1881.0 |
| 15° | 1926.6 | 1901.0 | 1881.0 | 1864.0 | 1852.5 | 1841.1 | 1832.6 | 1826.8 | 1821.2 | 1821.2 |
| 17.5° | 1864.0 | 1841.1 | 1821.2 | 1801.2 | 1784.2 | 1775.6 | 1767.0 | 1758.4 | 1758.4 | 1752.8 |
| 20° | 1795.6 | 1769.9 | 1752.8 | 1732.8 | 1718.5 | 1704.3 | 1692.9 | 1692.9 | 1687.3 | 1690.0 |
| 22.5° | 1718.5 | 1687.3 | 1670.1 | 1655.9 | 1641.6 | 1630.2 | 1618.9 | 1618.9 | 1616.0 | 1613.1 |
| 25° | 1633.1 | 1607.5 | 1587.5 | 1570.3 | 1561.8 | 1550.5 | 1547.6 | 1541.8 | 1539.1 | 1539.1 |
| 27.5° | 1541.8 | 1521.9 | 1496.3 | 1487.7 | 1476.3 | 1470.7 | 1470.7 | 1467.8 | 1462.0 | 1464.9 |
| 30° | 1445.0 | 1422.1 | 1407.9 | 1402.3 | 1390.8 | 1390.8 | 1388.0 | 1382.3 | 1382.3 | 1385.1 |
| 32.5° | 1350.9 | 1328.1 | 1316.7 | 1313.8 | 1302.5 | 1302.5 | 1299.6 | 1302.5 | 1302.5 | 1305.3 |
| 35° | 1248.3 | 1228.3 | 1225.6 | 1216.9 | 1214.2 | 1214.2 | 1214.2 | 1219.8 | 1225.6 | 1216.9 |
| 37.5° | 1151.4 | 1137.1 | 1128.6 | 1125.8 | 1128.6 | 1128.6 | 1131.5 | 1140.0 | 1137.1 | 1134.3 |
| 40° | 1051.6 | 1040.2 | 1034.6 | 1034.6 | 1040.2 | 1046.0 | 1046.0 | 1054.5 | 1057.4 | 1054.5 |
| 42.5° | 951.9 | 943.3 | 943.3 | 946.2 | 951.9 | 954.8 | 963.3 | 971.8 | 974.7 | 977.6 |
| 45° | 857.9 | 857.9 | 857.9 | 860.8 | 863.5 | 869.3 | 880.6 | 889.2 | 892.0 | 894.9 |
| 47.5° | 766.6 | 763.8 | 772.4 | 775.2 | 783.7 | 786.6 | 795.1 | 806.6 | 809.4 | 812.2 |
| 50° | 681.2 | 686.8 | 689.7 | 698.3 | 703.9 | 703.9 | 715.3 | 721.1 | 729.6 | 729.6 |
| 52.5° | 601.4 | 609.9 | 612.8 | 621.3 | 624.2 | 627.0 | 632.7 | 641.3 | 646.9 | 646.9 |
| 55° | 530.1 | 533.0 | 538.6 | 541.5 | 550.0 | 552.9 | 558.6 | 561.5 | 570.0 | 567.1 |
| 56° | 498.7 | 504.5 | 507.4 | 513.0 | 518.7 | 521.6 | 527.2 | 530.1 | 535.9 | 538.6 |
| 57° | 470.2 | 473.1 | 481.7 | 484.5 | 490.2 | 490.2 | 493.1 | 501.6 | 501.6 | 504.5 |
| 58° | 441.7 | 447.5 | 450.3 | 453.2 | 458.8 | 461.7 | 467.5 | 470.2 | 473.1 | 470.2 |
| 59° | 416.1 | 418.9 | 421.8 | 421.8 | 427.4 | 427.4 | 436.1 | 441.7 | 444.6 | 444.6 |
| 60° | 390.4 | 390.4 | 393.3 | 396.2 | 401.8 | 404.7 | 404.7 | 410.4 | 410.4 | 410.4 |
| 61° | 364.8 | 364.8 | 367.7 | 370.5 | 373.3 | 373.3 | 379.0 | 379.0 | 381.9 | 384.8 |
| 62° | 342.0 | 339.2 | 339.2 | 342.0 | 342.0 | 347.7 | 350.5 | 353.4 | 356.3 | 353.4 |
| 63° | 316.4 | 313.5 | 313.5 | 313.5 | 313.5 | 319.1 | 319.1 | 322.0 | 327.8 | 324.9 |
| 64° | 287.9 | 287.9 | 287.9 | 287.9 | 290.8 | 290.8 | 296.4 | 299.3 | 302.1 | 305.0 |
| 65° | 267.9 | 262.2 | 259.4 | 259.4 | 262.2 | 265.0 | 267.9 | 270.7 | 273.6 | 273.6 |
| 66° | 245.1 | 239.4 | 236.6 | 236.6 | 236.6 | 236.6 | 242.2 | 242.2 | 248.0 | 248.0 |
| 67° | 219.5 | 213.7 | 210.8 | 208.1 | 208.1 | 208.1 | 216.6 | 213.7 | 213.7 | 213.7 |
| 67.5° | 210.8 | 202.3 | 199.5 | 196.7 | 193.8 | 199.5 | 196.7 | 199.5 | 199.5 | 196.7 |
| 68° | 199.5 | 193.8 | 188.1 | 182.5 | 182.5 | 182.5 | 185.2 | 188.1 | 185.2 | 182.5 |
| 69° | 176.7 | 173.8 | 165.3 | 159.6 | 156.7 | 159.6 | 156.7 | 159.6 | 156.7 | 159.6 |
| 70° | 156.7 | 148.2 | 139.7 | 136.8 | 133.9 | 133.9 | 133.9 | 131.1 | 133.9 | 131.1 |
| 71° | 136.8 | 128.3 | 119.7 | 114.0 | 111.2 | 111.2 | 108.3 | 111.2 | 108.3 | 111.2 |
| 72° | 116.8 | 108.3 | 96.9 | 91.2 | 91.2 | 91.2 | 91.2 | 88.3 | 91.2 | 88.3 |
| 72.5° | 108.3 | 96.9 | 88.3 | 82.7 | 79.8 | 79.8 | 79.8 | 79.8 | 76.9 | 79.8 |
| 73° | 99.8 | 88.3 | 76.9 | 74.2 | 74.2 | 74.2 | 71.3 | 68.4 | 71.3 | 71.3 |



TEST NUMBER: P584498
 CATALOG NUMBER: HCC8S35D010BZ-HM82555940-81RWWH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 77.5° | 34.1 | 25.6 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 20.0 | 20.0 |
| 80° | 14.3 | 11.4 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 82.5° | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 |
| 85° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 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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— 0°-180° - - 45°-225° - - - - 90°-270°

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|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 74° | 185.2 | 185.2 | 179.6 | 171.0 | 156.7 | 142.4 | 131.1 | 119.7 | 105.4 | 91.2 | 85.5 |
| 75° | 171.0 | 168.2 | 162.4 | 153.9 | 142.4 | 128.3 | 116.8 | 102.5 | 91.2 | 76.9 | 71.3 |

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| | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|
| 74° | 82.7 | 68.4 | 62.7 | 57.0 | 57.0 | 57.0 | 54.1 | 54.1 | 54.1 | 57.0 |
| 75° | 65.5 | 54.1 | 48.4 | 42.8 | 45.6 | 42.8 | 45.6 | 42.8 | 42.8 | 42.8 |

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