

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: P584990

Luminaire Tested: **HCC8S55D010BZ-HM82555927-81RWWC**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P584990  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 10/21/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC8S55D010BZ-HM82555927-81RWWC  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

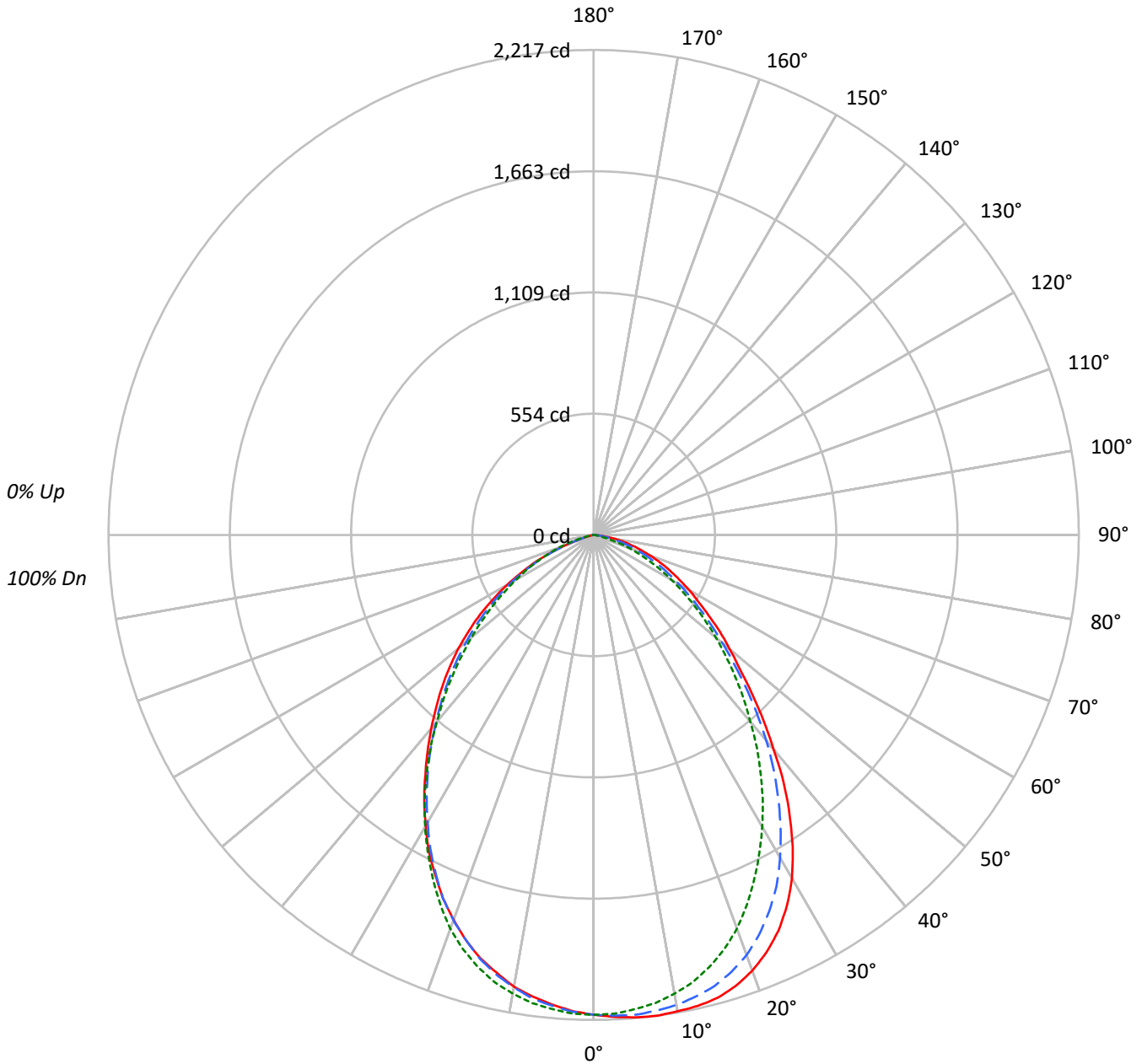
Lumens per Lamp: N/A  
Luminaire Lumens: 4169.0 lumens  
Efficiency: N/A  
Efficacy: 80.2 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.08 / 1.17  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 52  
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 |    |    | 100 |
| 1   | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 93  | 92  | 90  | 88  |    |    | 88  |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 91  | 86  | 82  | 87  | 84  | 81  | 84  | 82  | 79  | 77  |    |    | 77  |
| 3   | 95  | 86  | 79  | 73  | 93  | 84  | 78  | 73  | 82  | 76  | 72  | 79  | 74  | 70  | 76  | 73  | 69  | 67  |    |    | 67  |
| 4   | 88  | 77  | 70  | 64  | 86  | 76  | 69  | 64  | 74  | 68  | 63  | 72  | 66  | 62  | 69  | 65  | 61  | 59  |    |    | 59  |
| 5   | 81  | 70  | 62  | 56  | 80  | 69  | 62  | 56  | 67  | 61  | 56  | 65  | 59  | 55  | 63  | 58  | 54  | 52  |    |    | 52  |
| 6   | 76  | 64  | 56  | 50  | 74  | 63  | 55  | 50  | 61  | 55  | 50  | 60  | 54  | 49  | 58  | 53  | 49  | 47  |    |    | 47  |
| 7   | 71  | 59  | 51  | 45  | 69  | 58  | 50  | 45  | 56  | 50  | 45  | 55  | 49  | 44  | 54  | 48  | 44  | 42  |    |    | 42  |
| 8   | 66  | 54  | 46  | 41  | 65  | 53  | 46  | 41  | 52  | 45  | 40  | 51  | 45  | 40  | 50  | 44  | 40  | 38  |    |    | 38  |
| 9   | 62  | 50  | 42  | 37  | 61  | 49  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 35  |    |    | 35  |
| 10  | 58  | 46  | 39  | 34  | 57  | 46  | 39  | 34  | 45  | 38  | 34  | 44  | 38  | 34  | 43  | 38  | 34  | 32  |    |    | 32  |

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

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 67639 | 67639 | 67639 |
| 5°  | 68532 | 67353 | 66718 |
| 10° | 69234 | 66670 | 65658 |
| 15° | 69933 | 65259 | 63950 |
| 20° | 69582 | 62851 | 61411 |
| 25° | 67956 | 59090 | 58290 |
| 30° | 64548 | 54852 | 54642 |
| 35° | 58763 | 50052 | 50496 |
| 40° | 51517 | 44799 | 46445 |
| 45° | 44446 | 39846 | 42658 |
| 50° | 38920 | 34982 | 38637 |
| 55° | 34477 | 30074 | 34004 |
| 60° | 31065 | 25286 | 28172 |
| 65° | 27989 | 20299 | 21583 |
| 70° | 24559 | 14786 | 11874 |
| 75° | 20933 | 7685  | 3145  |
| 80° | 16124 | 2078  | 515   |
| 85° | 10367 | 0     | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 207.0  | 5.0       |
| 10°-20°   | 581.8  | 14.0      |
| 20°-30°   | 825.8  | 19.8      |
| 30°-40°   | 869.2  | 20.9      |
| 40°-50°   | 739.5  | 17.7      |
| 50°-60°   | 534.4  | 12.8      |
| 60°-70°   | 303.9  | 7.3       |
| 70°-80°   | 95.8   | 2.3       |
| 80°-90°   | 11.6   | 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°    | 1614.5 | 38.7      |
| 0°-40°    | 2483.8 | 59.6      |
| 0°-60°    | 3757.6 | 90.1      |
| 0°-90°    | 4169.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4169.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2194 | 2194 | 2194 | 2194 | 2194 |      |
| 5°  | 2214 | 2202 | 2176 | 2161 | 2155 | 211  |
| 15° | 2191 | 2135 | 2044 | 2006 | 2003 | 617  |
| 25° | 1997 | 1898 | 1737 | 1707 | 1713 | 915  |
| 35° | 1561 | 1470 | 1330 | 1321 | 1341 | 971  |
| 45° | 1019 | 981  | 914  | 937  | 978  | 792  |
| 55° | 641  | 595  | 559  | 592  | 632  | 578  |
| 65° | 384  | 331  | 278  | 275  | 296  | 380  |
| 75° | 176  | 135  | 64   | 29   | 26   | 189  |
| 85° | 29   | 18   | 0    | 0    | 0    | 38   |
| 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°    | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 |
| 2.5°  | 2205.2 | 2208.2 | 2202.3 | 2202.3 | 2208.2 | 2202.3 | 2205.2 | 2205.2 | 2202.3 | 2202.3 | 2199.4 |
| 5°    | 2214.0 | 2211.1 | 2211.1 | 2211.1 | 2214.0 | 2208.2 | 2205.2 | 2208.2 | 2202.3 | 2202.3 | 2202.3 |
| 7.5°  | 2217.0 | 2217.0 | 2214.0 | 2211.1 | 2211.1 | 2211.1 | 2208.2 | 2205.2 | 2202.3 | 2196.4 | 2193.5 |
| 10°   | 2211.1 | 2211.1 | 2214.0 | 2208.2 | 2208.2 | 2202.3 | 2202.3 | 2196.4 | 2196.4 | 2190.6 | 2181.8 |
| 12.5° | 2205.2 | 2202.3 | 2202.3 | 2196.4 | 2196.4 | 2190.6 | 2190.6 | 2181.8 | 2178.9 | 2170.1 | 2161.3 |
| 15°   | 2190.6 | 2187.7 | 2181.8 | 2178.9 | 2175.9 | 2173.0 | 2167.1 | 2164.2 | 2155.4 | 2143.7 | 2135.0 |
| 17.5° | 2161.3 | 2158.4 | 2155.4 | 2149.6 | 2143.7 | 2140.8 | 2137.8 | 2129.2 | 2117.5 | 2108.7 | 2094.0 |
| 20°   | 2120.4 | 2117.5 | 2117.5 | 2108.7 | 2105.7 | 2096.9 | 2094.0 | 2082.3 | 2073.5 | 2055.9 | 2044.2 |
| 22.5° | 2064.7 | 2067.6 | 2061.8 | 2055.9 | 2050.1 | 2041.3 | 2035.4 | 2023.7 | 2009.0 | 1991.5 | 1976.8 |
| 25°   | 1997.3 | 2000.3 | 1994.4 | 1988.5 | 1979.7 | 1973.9 | 1968.0 | 1950.4 | 1935.8 | 1915.3 | 1897.7 |
| 27.5° | 1912.4 | 1912.4 | 1912.4 | 1906.5 | 1891.8 | 1888.9 | 1883.2 | 1865.6 | 1845.1 | 1827.5 | 1809.9 |
| 30°   | 1812.8 | 1809.9 | 1809.9 | 1801.1 | 1795.3 | 1783.5 | 1774.8 | 1760.1 | 1745.5 | 1724.9 | 1704.4 |
| 32.5° | 1692.7 | 1695.6 | 1686.9 | 1681.0 | 1672.2 | 1672.2 | 1660.5 | 1648.8 | 1631.3 | 1610.8 | 1590.3 |
| 35°   | 1561.0 | 1563.9 | 1558.1 | 1555.1 | 1540.5 | 1537.5 | 1534.6 | 1520.0 | 1508.2 | 1493.6 | 1470.2 |
| 37.5° | 1426.2 | 1423.3 | 1420.3 | 1420.3 | 1411.6 | 1405.7 | 1399.8 | 1391.0 | 1373.6 | 1361.9 | 1350.1 |
| 40°   | 1279.8 | 1279.8 | 1279.8 | 1276.9 | 1274.0 | 1268.1 | 1265.2 | 1259.3 | 1247.6 | 1235.9 | 1227.1 |
| 42.5° | 1148.0 | 1148.0 | 1145.0 | 1142.1 | 1136.3 | 1139.2 | 1133.3 | 1127.6 | 1115.9 | 1107.1 | 1101.2 |
| 45°   | 1019.2 | 1019.2 | 1019.2 | 1022.1 | 1016.2 | 1007.5 | 1007.5 | 1001.6 | 995.7  | 989.9  | 981.1  |
| 47.5° | 904.9  | 913.7  | 907.8  | 904.9  | 907.8  | 896.1  | 896.1  | 890.3  | 884.4  | 878.6  | 866.9  |
| 50°   | 811.3  | 811.3  | 811.3  | 805.4  | 802.5  | 802.5  | 793.7  | 787.8  | 784.9  | 779.0  | 767.3  |
| 52.5° | 726.3  | 720.4  | 720.4  | 717.5  | 714.6  | 708.7  | 708.7  | 702.8  | 691.1  | 685.3  | 676.5  |
| 55°   | 641.3  | 641.3  | 638.4  | 635.5  | 632.5  | 629.6  | 626.8  | 618.0  | 612.1  | 603.3  | 594.6  |
| 57.5° | 565.3  | 571.1  | 568.2  | 562.3  | 556.5  | 556.5  | 550.6  | 544.7  | 536.0  | 527.2  | 518.4  |
| 60°   | 503.7  | 500.8  | 500.8  | 497.9  | 492.0  | 489.1  | 486.1  | 477.4  | 468.6  | 459.8  | 451.0  |
| 62.5° | 439.3  | 439.3  | 439.3  | 433.4  | 427.5  | 424.6  | 421.7  | 415.8  | 404.1  | 395.3  | 389.5  |
| 65°   | 383.6  | 380.7  | 377.7  | 374.9  | 372.0  | 366.1  | 363.2  | 357.3  | 348.6  | 339.8  | 331.0  |
| 67.5° | 328.0  | 325.1  | 325.1  | 322.2  | 313.4  | 310.5  | 310.5  | 301.7  | 292.9  | 284.1  | 275.3  |
| 70°   | 272.4  | 272.4  | 272.4  | 266.5  | 263.6  | 260.7  | 257.7  | 251.9  | 243.1  | 234.3  | 225.5  |
| 72.5° | 225.5  | 222.6  | 222.6  | 219.6  | 210.8  | 207.9  | 205.0  | 199.1  | 190.3  | 184.5  | 178.6  |
| 75°   | 175.7  | 175.7  | 172.8  | 169.8  | 166.9  | 164.0  | 161.0  | 155.2  | 146.4  | 137.6  | 134.7  |
| 77.5° | 134.7  | 131.7  | 131.7  | 128.8  | 123.1  | 120.1  | 120.1  | 114.3  | 105.5  | 99.6   | 93.8   |
| 80°   | 90.8   | 93.8   | 90.8   | 87.9   | 85.0   | 82.0   | 79.1   | 76.2   | 70.3   | 64.5   | 58.6   |
| 82.5° | 55.7   | 58.6   | 55.7   | 55.7   | 52.7   | 49.8   | 49.8   | 43.9   | 41.0   | 38.1   | 35.2   |
| 85°   | 29.3   | 29.3   | 29.3   | 29.3   | 26.4   | 26.4   | 26.4   | 23.4   | 20.5   | 17.6   | 17.6   |
| 87.5° | 8.8    | 11.7   | 8.8    | 8.8    | 8.8    | 8.8    | 8.8    | 8.8    | 5.9    | 5.9    | 5.9    |
| 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°    | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 |
| 2.5°  | 2202.3 | 2199.4 | 2196.4 | 2196.4 | 2196.4 | 2196.4 | 2196.4 | 2193.5 | 2190.6 | 2190.6 | 2190.6 |
| 5°    | 2196.4 | 2196.4 | 2196.4 | 2193.5 | 2190.6 | 2190.6 | 2184.7 | 2181.8 | 2178.9 | 2175.9 | 2173.0 |
| 7.5°  | 2190.6 | 2184.7 | 2181.8 | 2178.9 | 2175.9 | 2175.9 | 2170.1 | 2164.2 | 2164.2 | 2158.4 | 2152.5 |
| 10°   | 2173.0 | 2170.1 | 2164.2 | 2158.4 | 2155.4 | 2152.5 | 2146.6 | 2137.8 | 2135.0 | 2129.2 | 2123.3 |
| 12.5° | 2152.5 | 2146.6 | 2140.8 | 2129.2 | 2126.2 | 2123.3 | 2111.6 | 2102.8 | 2096.9 | 2094.0 | 2079.4 |
| 15°   | 2126.2 | 2114.5 | 2105.7 | 2091.1 | 2088.2 | 2082.3 | 2073.5 | 2064.7 | 2053.0 | 2044.2 | 2038.3 |
| 17.5° | 2079.4 | 2067.6 | 2053.0 | 2038.3 | 2032.5 | 2032.5 | 2017.8 | 2006.1 | 1991.5 | 1985.6 | 1973.9 |
| 20°   | 2023.7 | 2009.0 | 1997.3 | 1979.7 | 1971.0 | 1962.2 | 1953.4 | 1935.8 | 1924.1 | 1915.3 | 1900.6 |
| 22.5° | 1959.2 | 1938.7 | 1924.1 | 1906.5 | 1891.8 | 1883.2 | 1868.5 | 1853.9 | 1839.2 | 1830.4 | 1818.7 |
| 25°   | 1877.3 | 1859.7 | 1836.3 | 1818.7 | 1809.9 | 1798.2 | 1780.6 | 1766.0 | 1751.3 | 1736.7 | 1730.8 |
| 27.5° | 1786.5 | 1763.0 | 1742.5 | 1722.0 | 1713.2 | 1704.4 | 1683.9 | 1666.3 | 1654.6 | 1640.0 | 1634.1 |
| 30°   | 1686.9 | 1663.4 | 1640.0 | 1622.5 | 1613.7 | 1599.1 | 1587.4 | 1566.8 | 1552.2 | 1540.5 | 1525.8 |
| 32.5° | 1572.7 | 1555.1 | 1534.6 | 1508.2 | 1502.4 | 1490.7 | 1473.1 | 1464.3 | 1446.7 | 1437.9 | 1426.2 |
| 35°   | 1449.6 | 1437.9 | 1417.4 | 1396.9 | 1388.1 | 1382.4 | 1367.7 | 1350.1 | 1338.4 | 1329.6 | 1323.8 |
| 37.5° | 1332.6 | 1317.9 | 1297.4 | 1282.8 | 1276.9 | 1268.1 | 1250.5 | 1241.7 | 1230.0 | 1224.2 | 1212.4 |
| 40°   | 1206.6 | 1191.9 | 1177.3 | 1168.5 | 1159.7 | 1153.8 | 1142.1 | 1133.3 | 1121.7 | 1112.9 | 1110.0 |
| 42.5° | 1083.6 | 1074.8 | 1063.1 | 1051.4 | 1048.5 | 1039.7 | 1033.8 | 1025.0 | 1016.2 | 1013.3 | 1004.5 |
| 45°   | 972.3  | 963.5  | 951.8  | 940.1  | 937.1  | 931.3  | 928.3  | 919.6  | 913.7  | 913.7  | 913.7  |
| 47.5° | 861.1  | 852.3  | 840.6  | 834.7  | 837.6  | 825.9  | 825.9  | 823.0  | 817.1  | 817.1  | 820.0  |
| 50°   | 761.4  | 749.7  | 746.8  | 740.9  | 735.1  | 729.2  | 732.1  | 723.4  | 723.4  | 729.2  | 726.3  |
| 52.5° | 667.7  | 656.0  | 653.0  | 647.2  | 644.2  | 644.2  | 641.3  | 641.3  | 638.4  | 641.3  | 641.3  |
| 55°   | 582.8  | 574.0  | 568.2  | 562.3  | 559.4  | 559.4  | 559.4  | 556.5  | 553.5  | 559.4  | 562.3  |
| 57.5° | 506.7  | 503.7  | 497.9  | 489.1  | 486.1  | 483.2  | 480.3  | 480.3  | 480.3  | 480.3  | 483.2  |
| 60°   | 439.3  | 433.4  | 427.5  | 418.8  | 418.8  | 415.8  | 412.9  | 410.0  | 410.0  | 410.0  | 410.0  |
| 62.5° | 380.7  | 372.0  | 363.2  | 357.3  | 354.4  | 351.5  | 348.6  | 342.7  | 342.7  | 342.7  | 342.7  |
| 65°   | 322.2  | 313.4  | 307.5  | 301.7  | 295.8  | 295.8  | 290.0  | 287.0  | 281.2  | 278.2  | 272.4  |
| 67.5° | 266.5  | 260.7  | 254.8  | 246.0  | 243.1  | 240.1  | 234.3  | 231.4  | 222.6  | 219.6  | 216.7  |
| 70°   | 216.7  | 207.9  | 202.1  | 196.2  | 193.3  | 187.4  | 181.5  | 175.7  | 169.8  | 164.0  | 158.1  |
| 72.5° | 169.8  | 161.0  | 155.2  | 149.3  | 143.5  | 143.5  | 134.7  | 128.8  | 120.1  | 114.3  | 105.5  |
| 75°   | 125.9  | 117.2  | 111.3  | 102.6  | 99.6   | 96.7   | 87.9   | 82.0   | 73.2   | 64.5   | 58.6   |
| 77.5° | 85.0   | 79.1   | 73.2   | 64.5   | 58.6   | 58.6   | 49.8   | 43.9   | 38.1   | 29.3   | 26.4   |
| 80°   | 52.7   | 46.9   | 41.0   | 35.2   | 35.2   | 29.3   | 26.4   | 20.5   | 14.6   | 11.7   | 8.8    |
| 82.5° | 29.3   | 26.4   | 23.4   | 17.6   | 17.6   | 14.6   | 11.7   | 8.8    | 5.9    | 2.9    | 2.9    |
| 85°   | 14.6   | 11.7   | 8.8    | 8.8    | 5.9    | 5.9    | 5.9    | 2.9    | 2.9    | 0.0    | 0.0    |
| 87.5° | 5.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 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    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 |
| 2.5°  | 2187.7 | 2187.7 | 2184.7 | 2184.7 | 2184.7 | 2181.8 | 2184.7 | 2181.8 | 2181.8 | 2181.8 | 2184.7 |
| 5°    | 2175.9 | 2170.1 | 2170.1 | 2167.1 | 2167.1 | 2164.2 | 2167.1 | 2164.2 | 2161.3 | 2158.4 | 2161.3 |
| 7.5°  | 2152.5 | 2146.6 | 2143.7 | 2140.8 | 2140.8 | 2140.8 | 2137.8 | 2135.0 | 2137.8 | 2129.2 | 2135.0 |
| 10°   | 2120.4 | 2117.5 | 2111.6 | 2108.7 | 2105.7 | 2108.7 | 2105.7 | 2099.9 | 2099.9 | 2099.9 | 2096.9 |
| 12.5° | 2079.4 | 2073.5 | 2070.6 | 2067.6 | 2061.8 | 2061.8 | 2064.7 | 2058.9 | 2058.9 | 2053.0 | 2053.0 |
| 15°   | 2029.6 | 2023.7 | 2017.8 | 2017.8 | 2012.0 | 2012.0 | 2009.0 | 2009.0 | 2006.1 | 2003.2 | 2003.2 |
| 17.5° | 1968.0 | 1959.2 | 1953.4 | 1956.3 | 1953.4 | 1950.4 | 1950.4 | 1944.6 | 1941.7 | 1944.6 | 1944.6 |
| 20°   | 1894.8 | 1888.9 | 1883.2 | 1886.0 | 1880.2 | 1877.3 | 1880.2 | 1871.4 | 1874.4 | 1874.4 | 1874.4 |
| 22.5° | 1812.8 | 1809.9 | 1801.1 | 1801.1 | 1795.3 | 1792.3 | 1795.3 | 1795.3 | 1798.2 | 1795.3 | 1795.3 |
| 25°   | 1722.0 | 1716.2 | 1710.3 | 1710.3 | 1707.4 | 1704.4 | 1707.4 | 1710.3 | 1707.4 | 1710.3 | 1710.3 |
| 27.5° | 1625.4 | 1616.7 | 1616.7 | 1610.8 | 1610.8 | 1613.7 | 1610.8 | 1613.7 | 1616.7 | 1616.7 | 1622.5 |
| 30°   | 1520.0 | 1517.0 | 1514.1 | 1511.2 | 1511.2 | 1514.1 | 1514.1 | 1514.1 | 1517.0 | 1522.9 | 1522.9 |
| 32.5° | 1420.3 | 1414.5 | 1408.6 | 1408.6 | 1414.5 | 1411.6 | 1414.5 | 1414.5 | 1420.3 | 1420.3 | 1426.2 |
| 35°   | 1312.1 | 1312.1 | 1306.2 | 1309.1 | 1309.1 | 1309.1 | 1309.1 | 1315.0 | 1320.8 | 1323.8 | 1329.6 |
| 37.5° | 1212.4 | 1203.6 | 1206.6 | 1206.6 | 1209.5 | 1206.6 | 1215.4 | 1215.4 | 1221.2 | 1221.2 | 1227.1 |
| 40°   | 1104.1 | 1104.1 | 1107.1 | 1104.1 | 1107.1 | 1107.1 | 1112.9 | 1118.8 | 1121.7 | 1127.6 | 1130.5 |
| 42.5° | 1001.6 | 1007.5 | 1001.6 | 1004.5 | 1007.5 | 1010.4 | 1013.3 | 1016.2 | 1028.0 | 1033.8 | 1042.6 |
| 45°   | 907.8  | 910.8  | 913.7  | 916.6  | 913.7  | 919.6  | 922.5  | 928.3  | 937.1  | 940.1  | 943.0  |
| 47.5° | 817.1  | 820.0  | 823.0  | 825.9  | 825.9  | 831.8  | 834.7  | 840.6  | 846.4  | 849.3  | 852.3  |
| 50°   | 729.2  | 735.1  | 738.0  | 738.0  | 740.9  | 746.8  | 752.7  | 752.7  | 758.5  | 767.3  | 770.2  |
| 52.5° | 650.1  | 650.1  | 656.0  | 658.9  | 661.8  | 661.8  | 670.6  | 673.5  | 676.5  | 682.3  | 688.2  |
| 55°   | 562.3  | 571.1  | 574.0  | 574.0  | 579.9  | 585.8  | 588.7  | 591.6  | 591.6  | 603.3  | 603.3  |
| 57.5° | 486.1  | 489.1  | 494.9  | 494.9  | 494.9  | 503.7  | 503.7  | 509.6  | 512.5  | 515.4  | 521.3  |
| 60°   | 410.0  | 415.8  | 415.8  | 418.8  | 415.8  | 421.7  | 424.6  | 430.5  | 433.4  | 436.3  | 439.3  |
| 62.5° | 339.8  | 339.8  | 342.7  | 342.7  | 342.7  | 342.7  | 348.6  | 348.6  | 354.4  | 357.3  | 360.3  |
| 65°   | 272.4  | 272.4  | 272.4  | 272.4  | 272.4  | 272.4  | 272.4  | 272.4  | 275.3  | 275.3  | 281.2  |
| 67.5° | 210.8  | 207.9  | 202.1  | 205.0  | 202.1  | 202.1  | 199.1  | 199.1  | 202.1  | 202.1  | 207.9  |
| 70°   | 152.2  | 149.3  | 143.5  | 143.5  | 140.5  | 137.6  | 134.7  | 131.7  | 128.8  | 128.8  | 128.8  |
| 72.5° | 99.6   | 93.8   | 85.0   | 82.0   | 82.0   | 76.2   | 70.3   | 67.4   | 67.4   | 67.4   | 67.4   |
| 75°   | 49.8   | 43.9   | 38.1   | 35.2   | 35.2   | 29.3   | 32.2   | 29.3   | 29.3   | 29.3   | 29.3   |
| 77.5° | 20.5   | 14.6   | 11.7   | 11.7   | 11.7   | 8.8    | 8.8    | 8.8    | 8.8    | 8.8    | 8.8    |
| 80°   | 5.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 82.5° | 2.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 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    | 0.0    |



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



TEST NUMBER: P584990

CATALOG NUMBER: HCC8S55D010BZ-HM82555927-81RWWC

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 | 2193.5 |
| 2.5°  | 2181.8 | 2181.8 | 2175.9 | 2178.9 | 2178.9 | 2178.9 | 2178.9 | 2178.9 |
| 5°    | 2155.4 | 2158.4 | 2155.4 | 2158.4 | 2158.4 | 2155.4 | 2155.4 | 2155.4 |
| 7.5°  | 2129.2 | 2132.1 | 2129.2 | 2132.1 | 2132.1 | 2132.1 | 2129.2 | 2129.2 |
| 10°   | 2096.9 | 2096.9 | 2096.9 | 2096.9 | 2096.9 | 2094.0 | 2096.9 | 2096.9 |
| 12.5° | 2053.0 | 2053.0 | 2053.0 | 2055.9 | 2055.9 | 2053.0 | 2053.0 | 2050.1 |
| 15°   | 2006.1 | 2000.3 | 2003.2 | 2006.1 | 2003.2 | 2003.2 | 2003.2 | 2003.2 |
| 17.5° | 1941.7 | 1944.6 | 1941.7 | 1941.7 | 1941.7 | 1941.7 | 1944.6 | 1941.7 |
| 20°   | 1874.4 | 1874.4 | 1877.3 | 1874.4 | 1874.4 | 1874.4 | 1874.4 | 1871.4 |
| 22.5° | 1798.2 | 1795.3 | 1795.3 | 1798.2 | 1798.2 | 1795.3 | 1798.2 | 1798.2 |
| 25°   | 1713.2 | 1716.2 | 1713.2 | 1713.2 | 1716.2 | 1716.2 | 1716.2 | 1713.2 |
| 27.5° | 1622.5 | 1625.4 | 1628.4 | 1625.4 | 1625.4 | 1625.4 | 1628.4 | 1631.3 |
| 30°   | 1528.8 | 1534.6 | 1528.8 | 1528.8 | 1534.6 | 1531.7 | 1534.6 | 1534.6 |
| 32.5° | 1429.1 | 1437.9 | 1432.1 | 1437.9 | 1437.9 | 1440.9 | 1437.9 | 1440.9 |
| 35°   | 1329.6 | 1338.4 | 1338.4 | 1338.4 | 1341.4 | 1344.3 | 1344.3 | 1341.4 |
| 37.5° | 1235.9 | 1238.8 | 1238.8 | 1244.7 | 1247.6 | 1250.5 | 1250.5 | 1247.6 |
| 40°   | 1139.2 | 1145.0 | 1148.0 | 1148.0 | 1148.0 | 1153.8 | 1159.7 | 1153.8 |
| 42.5° | 1045.5 | 1048.5 | 1051.4 | 1051.4 | 1057.3 | 1060.2 | 1063.1 | 1063.1 |
| 45°   | 954.7  | 960.6  | 963.5  | 966.4  | 969.4  | 975.2  | 972.3  | 978.2  |
| 47.5° | 861.1  | 869.9  | 872.8  | 875.7  | 881.5  | 884.4  | 887.3  | 890.3  |
| 50°   | 776.1  | 782.0  | 782.0  | 787.8  | 796.6  | 796.6  | 802.5  | 805.4  |
| 52.5° | 691.1  | 694.1  | 697.0  | 699.9  | 705.8  | 711.6  | 711.6  | 717.5  |
| 55°   | 609.2  | 612.1  | 612.1  | 615.1  | 618.0  | 629.6  | 632.5  | 632.5  |
| 57.5° | 524.2  | 524.2  | 530.1  | 533.0  | 536.0  | 541.8  | 541.8  | 541.8  |
| 60°   | 442.2  | 445.1  | 445.1  | 448.1  | 451.0  | 456.8  | 459.8  | 456.8  |
| 62.5° | 360.3  | 363.2  | 363.2  | 366.1  | 372.0  | 374.9  | 372.0  | 372.0  |
| 65°   | 284.1  | 287.0  | 287.0  | 290.0  | 295.8  | 295.8  | 292.9  | 295.8  |
| 67.5° | 207.9  | 207.9  | 207.9  | 207.9  | 207.9  | 207.9  | 207.9  | 207.9  |
| 70°   | 131.7  | 128.8  | 125.9  | 128.8  | 128.8  | 128.8  | 125.9  | 131.7  |
| 72.5° | 64.5   | 67.4   | 67.4   | 67.4   | 67.4   | 67.4   | 67.4   | 64.5   |
| 75°   | 29.3   | 29.3   | 26.4   | 26.4   | 26.4   | 29.3   | 29.3   | 26.4   |
| 77.5° | 8.8    | 8.8    | 8.8    | 8.8    | 8.8    | 8.8    | 8.8    | 8.8    |
| 80°   | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 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    |

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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)