

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: P593684

Luminaire Tested: **HCC8S30D010MB-HM82555950-81WWW**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593684  
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: HCC8S30D010MB-HM82555950-81WWW  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

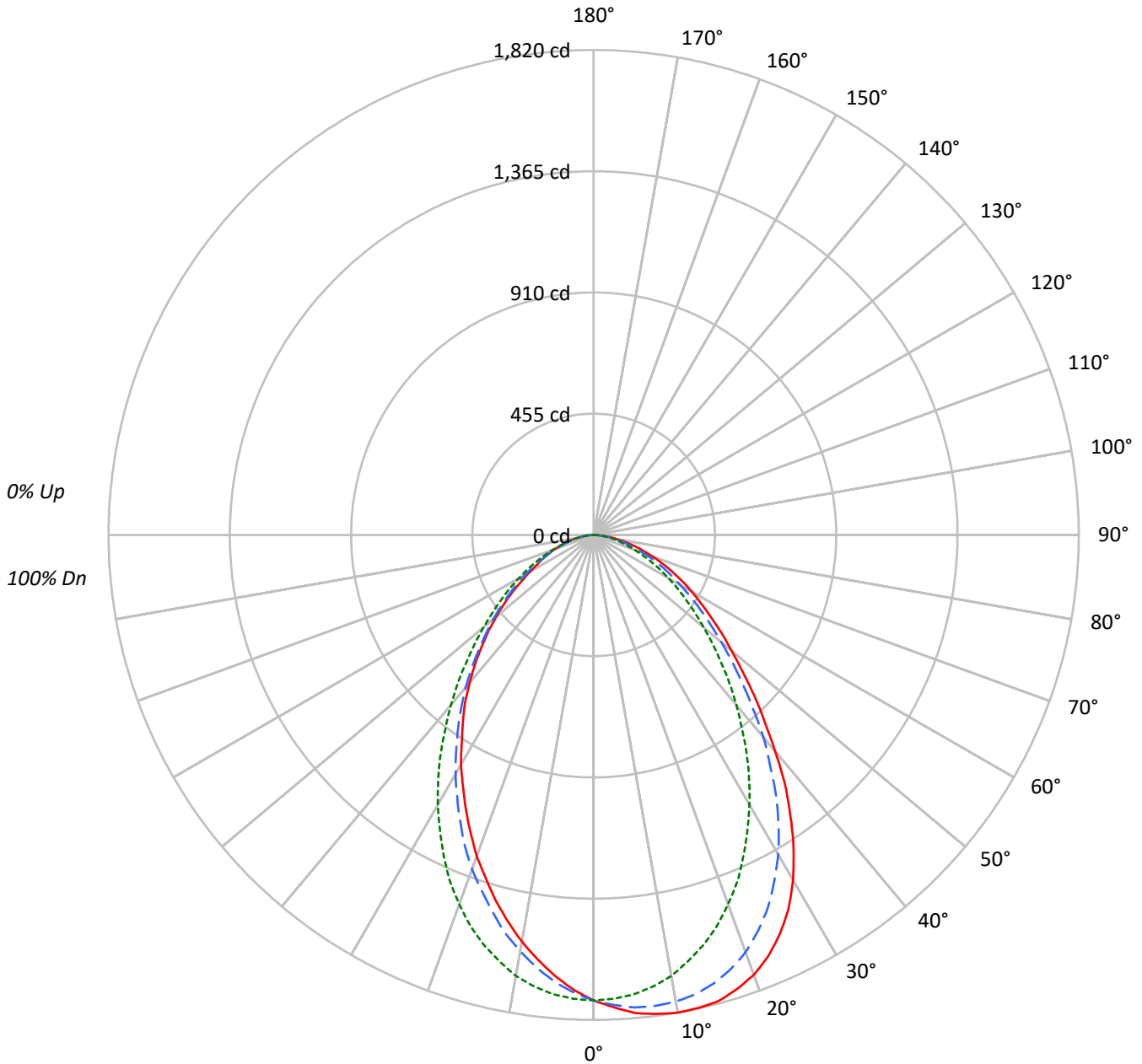
Lumens per Lamp: N/A  
Luminaire Lumens: 3224.2 lumens  
Efficiency: N/A  
Efficacy: 115.1 lumens/watt  
Spacing Criteria (0/90/45): 1.09 / 1.04 / 1.13  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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 | 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  | 93  | 91  | 89  | 87  |    |    |    |    | 87  |   |  |   |
| 2   | 102 | 95  | 89  | 84  | 99  | 93  | 88  | 83  | 90  | 85  | 81  | 86  | 83  | 79  | 83  | 80  | 78  | 76  |    |    |    |    | 76  |   |  |   |
| 3   | 94  | 85  | 78  | 72  | 92  | 83  | 77  | 71  | 81  | 75  | 70  | 78  | 73  | 69  | 75  | 71  | 68  | 66  |    |    |    |    | 66  |   |  |   |
| 4   | 87  | 76  | 69  | 63  | 85  | 75  | 68  | 62  | 73  | 67  | 62  | 71  | 65  | 61  | 68  | 64  | 60  | 58  |    |    |    |    | 58  |   |  |   |
| 5   | 81  | 69  | 61  | 55  | 79  | 68  | 61  | 55  | 66  | 60  | 54  | 64  | 59  | 54  | 63  | 57  | 53  | 51  |    |    |    |    | 51  |   |  |   |
| 6   | 75  | 63  | 55  | 49  | 73  | 62  | 55  | 49  | 61  | 54  | 49  | 59  | 53  | 48  | 57  | 52  | 48  | 46  |    |    |    |    | 46  |   |  |   |
| 7   | 70  | 58  | 50  | 44  | 69  | 57  | 50  | 44  | 56  | 49  | 44  | 54  | 48  | 44  | 53  | 48  | 43  | 41  |    |    |    |    | 41  |   |  |   |
| 8   | 66  | 53  | 46  | 40  | 64  | 53  | 45  | 40  | 51  | 45  | 40  | 50  | 44  | 40  | 49  | 44  | 39  | 38  |    |    |    |    | 38  |   |  |   |
| 9   | 62  | 49  | 42  | 37  | 60  | 49  | 42  | 37  | 48  | 41  | 36  | 47  | 41  | 36  | 46  | 40  | 36  | 34  |    |    |    |    | 34  |   |  |   |
| 10  | 58  | 46  | 39  | 34  | 57  | 45  | 38  | 34  | 44  | 38  | 33  | 44  | 38  | 33  | 43  | 37  | 33  | 32  |    |    |    |    | 32  |   |  |   |

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

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 53871 | 53871 | 53871 |
| 5°  | 55767 | 53563 | 51433 |
| 10° | 57004 | 52626 | 48540 |
| 15° | 57815 | 50852 | 45329 |
| 20° | 57640 | 48383 | 42086 |
| 25° | 56215 | 45245 | 38631 |
| 30° | 53261 | 41614 | 35446 |
| 35° | 48452 | 37655 | 32212 |
| 40° | 42561 | 33495 | 29104 |
| 45° | 37111 | 29462 | 25947 |
| 50° | 32295 | 25814 | 22854 |
| 55° | 28805 | 22687 | 19881 |
| 60° | 26174 | 19877 | 16960 |
| 65° | 23517 | 17300 | 15388 |
| 70° | 20944 | 14750 | 13894 |
| 75° | 18360 | 12427 | 11855 |
| 80° | 15574 | 10087 | 10513 |
| 85° | 11746 | 7536  | 8385  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 163.6  | 5.1       |
| 10°-20°   | 450.9  | 14.0      |
| 20°-30°   | 625.8  | 19.4      |
| 30°-40°   | 647.0  | 20.1      |
| 40°-50°   | 541.8  | 16.8      |
| 50°-60°   | 393.3  | 12.2      |
| 60°-70°   | 248.2  | 7.7       |
| 70°-80°   | 122.9  | 3.8       |
| 80°-90°   | 30.6   | 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°    | 1240.3 | 38.5      |
| 0°-40°    | 1887.4 | 58.5      |
| 0°-60°    | 2822.5 | 87.5      |
| 0°-90°    | 3224.2 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3224.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1747 | 1747 | 1747 | 1747 | 1747 |      |
| 5°  | 1802 | 1780 | 1730 | 1683 | 1662 | 172  |
| 15° | 1811 | 1742 | 1593 | 1465 | 1420 | 510  |
| 25° | 1652 | 1546 | 1330 | 1185 | 1135 | 757  |
| 35° | 1287 | 1192 | 1000 | 886  | 856  | 802  |
| 45° | 851  | 789  | 676  | 609  | 595  | 658  |
| 55° | 536  | 488  | 422  | 386  | 370  | 484  |
| 65° | 322  | 282  | 237  | 209  | 211  | 321  |
| 75° | 154  | 128  | 104  | 100  | 100  | 165  |
| 85° | 33   | 26   | 21   | 24   | 24   | 40   |
| 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°    | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 |
| 2.5°  | 1775.4 | 1775.4 | 1777.8 | 1775.4 | 1775.4 | 1775.4 | 1773.0 | 1773.0 | 1770.7 | 1770.7 | 1766.0 |
| 5°    | 1801.6 | 1796.8 | 1801.6 | 1796.8 | 1796.8 | 1796.8 | 1794.4 | 1789.7 | 1787.3 | 1782.5 | 1780.2 |
| 7.5°  | 1813.3 | 1811.0 | 1811.0 | 1808.6 | 1808.6 | 1806.2 | 1804.0 | 1801.6 | 1792.1 | 1789.7 | 1782.5 |
| 10°   | 1820.5 | 1818.1 | 1818.1 | 1815.7 | 1811.0 | 1811.0 | 1806.2 | 1804.0 | 1792.1 | 1787.3 | 1777.8 |
| 12.5° | 1818.1 | 1818.1 | 1818.1 | 1815.7 | 1808.6 | 1806.2 | 1801.6 | 1794.4 | 1784.9 | 1775.4 | 1766.0 |
| 15°   | 1811.0 | 1811.0 | 1806.2 | 1804.0 | 1796.8 | 1792.1 | 1789.7 | 1777.8 | 1768.3 | 1756.5 | 1742.2 |
| 17.5° | 1787.3 | 1787.3 | 1784.9 | 1780.2 | 1773.0 | 1768.3 | 1763.6 | 1751.8 | 1742.2 | 1723.3 | 1709.1 |
| 20°   | 1756.5 | 1754.1 | 1751.8 | 1744.6 | 1737.5 | 1735.1 | 1728.1 | 1711.4 | 1699.6 | 1685.4 | 1666.4 |
| 22.5° | 1711.4 | 1709.1 | 1706.7 | 1701.9 | 1690.2 | 1685.4 | 1680.7 | 1668.8 | 1647.5 | 1633.2 | 1609.5 |
| 25°   | 1652.2 | 1652.2 | 1647.5 | 1640.3 | 1628.5 | 1623.7 | 1616.7 | 1604.8 | 1585.8 | 1564.5 | 1545.5 |
| 27.5° | 1583.4 | 1581.1 | 1574.0 | 1569.2 | 1559.7 | 1552.6 | 1540.8 | 1526.6 | 1507.5 | 1491.0 | 1467.3 |
| 30°   | 1495.8 | 1495.8 | 1491.0 | 1483.9 | 1472.0 | 1467.3 | 1457.8 | 1441.2 | 1422.3 | 1400.9 | 1384.4 |
| 32.5° | 1396.1 | 1396.1 | 1389.1 | 1384.4 | 1377.2 | 1365.3 | 1363.0 | 1344.0 | 1327.4 | 1310.9 | 1291.8 |
| 35°   | 1287.1 | 1289.5 | 1284.7 | 1275.3 | 1263.4 | 1263.4 | 1258.7 | 1242.1 | 1223.1 | 1206.6 | 1192.3 |
| 37.5° | 1178.1 | 1171.0 | 1168.7 | 1163.9 | 1156.8 | 1147.3 | 1142.5 | 1135.4 | 1118.8 | 1107.0 | 1085.7 |
| 40°   | 1057.3 | 1059.6 | 1054.9 | 1050.1 | 1047.7 | 1040.6 | 1038.2 | 1026.3 | 1014.6 | 1000.3 | 990.8  |
| 42.5° | 948.2  | 948.2  | 948.2  | 943.5  | 938.7  | 931.6  | 929.2  | 922.1  | 907.9  | 898.4  | 884.1  |
| 45°   | 851.0  | 843.8  | 843.8  | 841.5  | 839.1  | 834.4  | 827.3  | 822.6  | 813.0  | 805.9  | 789.4  |
| 47.5° | 756.2  | 758.6  | 756.2  | 753.8  | 746.7  | 744.3  | 741.9  | 732.4  | 723.0  | 715.9  | 704.0  |
| 50°   | 673.2  | 678.0  | 673.2  | 673.2  | 668.5  | 666.1  | 661.3  | 654.2  | 647.2  | 635.3  | 623.4  |
| 52.5° | 604.5  | 604.5  | 602.1  | 599.7  | 592.6  | 587.8  | 585.5  | 583.1  | 571.3  | 561.8  | 552.3  |
| 55°   | 535.8  | 538.1  | 538.1  | 531.0  | 528.6  | 523.9  | 521.5  | 514.4  | 509.6  | 495.5  | 488.3  |
| 57.5° | 476.4  | 474.1  | 476.4  | 471.7  | 466.9  | 462.3  | 459.9  | 455.1  | 448.0  | 438.5  | 429.0  |
| 60°   | 424.4  | 419.6  | 419.6  | 417.2  | 412.5  | 410.1  | 405.3  | 398.2  | 391.1  | 381.7  | 374.5  |
| 62.5° | 372.2  | 369.8  | 367.4  | 365.0  | 360.3  | 357.9  | 355.5  | 348.5  | 341.4  | 334.2  | 327.1  |
| 65°   | 322.3  | 322.3  | 320.0  | 315.3  | 312.9  | 310.6  | 308.2  | 303.4  | 293.9  | 289.2  | 282.0  |
| 67.5° | 277.4  | 275.0  | 275.0  | 270.3  | 265.5  | 263.1  | 263.1  | 258.4  | 251.2  | 244.1  | 239.5  |
| 70°   | 232.3  | 234.7  | 232.3  | 230.0  | 225.2  | 225.2  | 220.4  | 218.1  | 208.6  | 206.2  | 199.2  |
| 72.5° | 192.0  | 192.0  | 189.6  | 189.6  | 184.9  | 182.5  | 182.5  | 177.8  | 173.0  | 168.2  | 163.6  |
| 75°   | 154.1  | 154.1  | 154.1  | 151.7  | 149.3  | 144.6  | 144.6  | 142.2  | 137.4  | 132.7  | 128.1  |
| 77.5° | 120.9  | 118.5  | 118.5  | 116.2  | 113.8  | 111.4  | 111.4  | 109.0  | 104.3  | 101.9  | 97.1   |
| 80°   | 87.7   | 85.4   | 85.4   | 85.4   | 80.6   | 83.0   | 80.6   | 78.2   | 75.9   | 73.5   | 71.1   |
| 82.5° | 56.8   | 59.2   | 59.2   | 56.8   | 54.6   | 54.6   | 54.6   | 52.2   | 52.2   | 49.8   | 47.4   |
| 85°   | 33.2   | 33.2   | 33.2   | 33.2   | 30.8   | 30.8   | 30.8   | 28.4   | 28.4   | 28.4   | 26.0   |
| 87.5° | 14.3   | 14.3   | 14.3   | 14.3   | 14.3   | 14.3   | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   |
| 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°    | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 |
| 2.5°  | 1766.0 | 1761.3 | 1758.9 | 1756.5 | 1756.5 | 1754.1 | 1751.8 | 1747.0 | 1747.0 | 1742.2 | 1739.9 |
| 5°    | 1775.4 | 1768.3 | 1763.6 | 1758.9 | 1756.5 | 1751.8 | 1747.0 | 1739.9 | 1737.5 | 1730.4 | 1723.3 |
| 7.5°  | 1777.8 | 1766.0 | 1761.3 | 1751.8 | 1747.0 | 1742.2 | 1732.7 | 1725.7 | 1716.2 | 1709.1 | 1699.6 |
| 10°   | 1768.3 | 1758.9 | 1747.0 | 1735.1 | 1732.7 | 1725.7 | 1711.4 | 1701.9 | 1690.2 | 1680.7 | 1666.4 |
| 12.5° | 1754.1 | 1739.9 | 1728.1 | 1713.8 | 1706.7 | 1699.6 | 1685.4 | 1671.1 | 1654.6 | 1638.0 | 1623.7 |
| 15°   | 1730.4 | 1713.8 | 1697.2 | 1680.7 | 1671.1 | 1664.0 | 1647.5 | 1630.8 | 1614.3 | 1592.9 | 1578.8 |
| 17.5° | 1694.8 | 1675.9 | 1659.2 | 1638.0 | 1628.5 | 1621.3 | 1600.0 | 1581.1 | 1559.7 | 1538.4 | 1524.2 |
| 20°   | 1649.9 | 1626.1 | 1607.2 | 1583.4 | 1576.4 | 1564.5 | 1543.2 | 1521.8 | 1498.1 | 1474.4 | 1457.8 |
| 22.5° | 1590.5 | 1566.9 | 1545.5 | 1521.8 | 1509.9 | 1498.1 | 1476.7 | 1450.7 | 1427.0 | 1408.0 | 1391.5 |
| 25°   | 1521.8 | 1500.5 | 1474.4 | 1453.1 | 1438.8 | 1424.7 | 1400.9 | 1379.6 | 1358.2 | 1329.8 | 1313.3 |
| 27.5° | 1445.9 | 1419.9 | 1400.9 | 1372.5 | 1358.2 | 1348.8 | 1322.6 | 1294.2 | 1275.3 | 1249.2 | 1230.3 |
| 30°   | 1360.6 | 1336.9 | 1315.6 | 1287.1 | 1272.9 | 1263.4 | 1239.8 | 1213.6 | 1194.7 | 1168.7 | 1149.6 |
| 32.5° | 1270.6 | 1244.5 | 1218.4 | 1199.5 | 1182.8 | 1173.3 | 1147.3 | 1130.7 | 1107.0 | 1085.7 | 1064.3 |
| 35°   | 1173.3 | 1147.3 | 1128.4 | 1102.2 | 1092.8 | 1083.3 | 1061.9 | 1040.6 | 1019.3 | 1000.3 | 983.8  |
| 37.5° | 1069.0 | 1050.1 | 1028.7 | 1009.8 | 1002.7 | 993.2  | 967.1  | 948.2  | 931.6  | 912.6  | 898.4  |
| 40°   | 967.1  | 950.5  | 936.3  | 917.3  | 905.5  | 898.4  | 879.4  | 862.9  | 843.8  | 832.1  | 817.8  |
| 42.5° | 874.6  | 855.7  | 841.5  | 827.3  | 815.4  | 808.3  | 791.8  | 779.9  | 765.6  | 753.8  | 737.2  |
| 45°   | 777.5  | 768.0  | 751.4  | 739.6  | 732.4  | 723.0  | 711.1  | 696.9  | 685.1  | 675.6  | 663.7  |
| 47.5° | 692.1  | 682.7  | 670.8  | 656.6  | 651.8  | 644.8  | 632.9  | 623.4  | 614.0  | 604.5  | 592.6  |
| 50°   | 614.0  | 602.1  | 592.6  | 583.1  | 578.3  | 571.3  | 559.4  | 554.7  | 547.5  | 538.1  | 531.0  |
| 52.5° | 542.8  | 533.4  | 523.9  | 512.0  | 509.6  | 504.8  | 497.8  | 488.3  | 481.2  | 476.4  | 471.7  |
| 55°   | 478.8  | 469.3  | 462.3  | 452.8  | 450.4  | 445.6  | 436.1  | 431.4  | 426.7  | 422.0  | 417.2  |
| 57.5° | 422.0  | 412.5  | 403.0  | 398.2  | 393.4  | 388.8  | 386.4  | 379.3  | 374.5  | 372.2  | 367.4  |
| 60°   | 369.8  | 360.3  | 353.3  | 346.1  | 343.7  | 341.4  | 336.6  | 331.8  | 327.1  | 322.3  | 320.0  |
| 62.5° | 320.0  | 310.6  | 305.8  | 301.1  | 296.3  | 296.3  | 291.5  | 286.8  | 282.0  | 279.7  | 275.0  |
| 65°   | 275.0  | 270.3  | 263.1  | 256.0  | 253.6  | 253.6  | 246.5  | 244.1  | 241.8  | 237.1  | 232.3  |
| 67.5° | 232.3  | 227.6  | 220.4  | 218.1  | 215.7  | 213.3  | 210.9  | 206.2  | 201.5  | 199.2  | 194.4  |
| 70°   | 194.4  | 189.6  | 184.9  | 182.5  | 180.1  | 177.8  | 173.0  | 170.6  | 166.0  | 163.6  | 161.2  |
| 72.5° | 156.5  | 154.1  | 149.3  | 147.0  | 144.6  | 142.2  | 139.8  | 137.4  | 132.7  | 130.3  | 128.1  |
| 75°   | 125.7  | 123.3  | 118.5  | 116.2  | 113.8  | 113.8  | 111.4  | 106.7  | 104.3  | 104.3  | 101.9  |
| 77.5° | 94.8   | 92.5   | 90.1   | 87.7   | 85.4   | 85.4   | 83.0   | 80.6   | 78.2   | 78.2   | 75.9   |
| 80°   | 68.7   | 66.3   | 64.0   | 64.0   | 64.0   | 61.6   | 59.2   | 59.2   | 56.8   | 56.8   | 54.6   |
| 82.5° | 45.1   | 45.1   | 42.7   | 42.7   | 42.7   | 40.3   | 40.3   | 37.9   | 37.9   | 37.9   | 37.9   |
| 85°   | 26.0   | 26.0   | 26.0   | 23.7   | 23.7   | 23.7   | 23.7   | 23.7   | 23.7   | 21.3   | 23.7   |
| 87.5° | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   | 9.5    | 9.5    | 9.5    |
| 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: P593684

CATALOG NUMBER: HCC8S30D010MB-HM82555950-81WWW

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 |
| 2.5°  | 1737.5 | 1735.1 | 1730.4 | 1730.4 | 1725.7 | 1725.7 | 1723.3 | 1721.0 | 1718.6 | 1716.2 | 1713.8 |
| 5°    | 1721.0 | 1711.4 | 1706.7 | 1704.3 | 1699.6 | 1697.2 | 1690.2 | 1685.4 | 1683.0 | 1678.3 | 1673.5 |
| 7.5°  | 1690.2 | 1680.7 | 1671.1 | 1668.8 | 1666.4 | 1656.9 | 1649.9 | 1642.7 | 1638.0 | 1633.2 | 1628.5 |
| 10°   | 1654.6 | 1645.1 | 1633.2 | 1628.5 | 1623.7 | 1611.9 | 1602.4 | 1595.3 | 1585.8 | 1576.4 | 1574.0 |
| 12.5° | 1611.9 | 1597.7 | 1583.4 | 1578.8 | 1571.6 | 1559.7 | 1550.2 | 1538.4 | 1531.3 | 1519.4 | 1517.0 |
| 15°   | 1562.1 | 1545.5 | 1533.7 | 1521.8 | 1517.0 | 1505.3 | 1488.6 | 1479.1 | 1465.0 | 1460.2 | 1448.3 |
| 17.5° | 1502.9 | 1486.2 | 1469.7 | 1465.0 | 1457.8 | 1441.2 | 1424.7 | 1412.8 | 1398.5 | 1391.5 | 1384.4 |
| 20°   | 1441.2 | 1419.9 | 1403.3 | 1398.5 | 1389.1 | 1374.8 | 1358.2 | 1346.4 | 1334.5 | 1320.4 | 1313.3 |
| 22.5° | 1370.1 | 1346.4 | 1332.2 | 1320.4 | 1318.0 | 1301.4 | 1282.5 | 1272.9 | 1263.4 | 1251.5 | 1242.1 |
| 25°   | 1291.8 | 1270.6 | 1253.9 | 1244.5 | 1239.8 | 1225.5 | 1211.2 | 1199.5 | 1185.2 | 1178.1 | 1166.3 |
| 27.5° | 1211.2 | 1197.1 | 1175.7 | 1166.3 | 1159.2 | 1147.3 | 1130.7 | 1123.6 | 1109.3 | 1099.8 | 1092.8 |
| 30°   | 1133.1 | 1111.7 | 1099.8 | 1088.1 | 1080.9 | 1069.0 | 1054.9 | 1047.7 | 1035.9 | 1026.3 | 1019.3 |
| 32.5° | 1047.7 | 1033.5 | 1017.0 | 1012.2 | 1002.7 | 990.8  | 981.4  | 969.5  | 960.0  | 950.5  | 948.2  |
| 35°   | 969.5  | 950.5  | 934.0  | 929.2  | 922.1  | 910.3  | 905.5  | 898.4  | 886.5  | 884.1  | 874.6  |
| 37.5° | 884.1  | 874.6  | 855.7  | 848.6  | 846.2  | 836.8  | 827.3  | 822.6  | 815.4  | 808.3  | 805.9  |
| 40°   | 803.5  | 791.8  | 782.2  | 775.1  | 770.4  | 763.2  | 753.8  | 751.4  | 746.7  | 737.2  | 734.8  |
| 42.5° | 727.7  | 715.9  | 706.4  | 704.0  | 696.9  | 689.7  | 685.1  | 678.0  | 675.6  | 673.2  | 668.5  |
| 45°   | 654.2  | 647.2  | 637.7  | 635.3  | 632.9  | 623.4  | 618.6  | 614.0  | 609.2  | 606.9  | 602.1  |
| 47.5° | 587.8  | 580.7  | 573.7  | 571.3  | 566.6  | 564.2  | 557.0  | 554.7  | 547.5  | 545.2  | 542.8  |
| 50°   | 523.9  | 519.1  | 514.4  | 512.0  | 507.2  | 504.8  | 500.2  | 495.5  | 490.7  | 488.3  | 485.9  |
| 52.5° | 466.9  | 462.3  | 457.5  | 455.1  | 452.8  | 448.0  | 443.3  | 438.5  | 436.1  | 433.7  | 431.4  |
| 55°   | 412.5  | 407.7  | 405.3  | 403.0  | 400.6  | 398.2  | 391.1  | 388.8  | 386.4  | 384.0  | 379.3  |
| 57.5° | 362.6  | 357.9  | 353.3  | 353.3  | 350.9  | 348.5  | 343.7  | 339.0  | 339.0  | 334.2  | 329.5  |
| 60°   | 317.6  | 312.9  | 308.2  | 305.8  | 303.4  | 298.7  | 296.3  | 293.9  | 291.5  | 289.2  | 284.4  |
| 62.5° | 270.3  | 267.9  | 263.1  | 263.1  | 258.4  | 256.0  | 253.6  | 251.2  | 248.9  | 244.1  | 241.8  |
| 65°   | 230.0  | 227.6  | 222.8  | 220.4  | 220.4  | 218.1  | 213.3  | 210.9  | 208.6  | 208.6  | 206.2  |
| 67.5° | 192.0  | 189.6  | 184.9  | 182.5  | 182.5  | 180.1  | 177.8  | 177.8  | 175.4  | 173.0  | 175.4  |
| 70°   | 158.9  | 154.1  | 154.1  | 151.7  | 151.7  | 149.3  | 147.0  | 147.0  | 147.0  | 149.3  | 149.3  |
| 72.5° | 125.7  | 123.3  | 120.9  | 120.9  | 120.9  | 120.9  | 118.5  | 118.5  | 120.9  | 123.3  | 123.3  |
| 75°   | 99.5   | 97.1   | 97.1   | 97.1   | 94.8   | 94.8   | 97.1   | 97.1   | 99.5   | 99.5   | 99.5   |
| 77.5° | 73.5   | 73.5   | 73.5   | 73.5   | 73.5   | 73.5   | 75.9   | 75.9   | 78.2   | 78.2   | 78.2   |
| 80°   | 54.6   | 54.6   | 54.6   | 54.6   | 54.6   | 56.8   | 56.8   | 56.8   | 56.8   | 56.8   | 59.2   |
| 82.5° | 37.9   | 37.9   | 37.9   | 37.9   | 37.9   | 37.9   | 37.9   | 40.3   | 40.3   | 40.3   | 40.3   |
| 85°   | 21.3   | 23.7   | 23.7   | 23.7   | 23.7   | 23.7   | 23.7   | 23.7   | 23.7   | 23.7   | 23.7   |
| 87.5° | 9.5    | 9.5    | 9.5    | 9.5    | 9.5    | 9.5    | 9.5    | 9.5    | 9.5    | 9.5    | 9.5    |
| 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  
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 Peachtree City, GA 30269



TEST NUMBER: P593684

CATALOG NUMBER: HCC8S30D010MB-HM82555950-81WWW

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 | 1747.0 |
| 2.5°  | 1711.4 | 1711.4 | 1711.4 | 1713.8 | 1709.1 | 1709.1 | 1709.1 | 1709.1 |
| 5°    | 1671.1 | 1668.8 | 1666.4 | 1668.8 | 1664.0 | 1664.0 | 1661.6 | 1661.6 |
| 7.5°  | 1621.3 | 1618.9 | 1616.7 | 1616.7 | 1611.9 | 1611.9 | 1609.5 | 1607.2 |
| 10°   | 1566.9 | 1562.1 | 1564.5 | 1559.7 | 1557.4 | 1555.0 | 1552.6 | 1550.2 |
| 12.5° | 1507.5 | 1502.9 | 1500.5 | 1495.8 | 1491.0 | 1488.6 | 1491.0 | 1486.2 |
| 15°   | 1443.6 | 1436.4 | 1434.1 | 1429.4 | 1424.7 | 1422.3 | 1422.3 | 1419.9 |
| 17.5° | 1372.5 | 1367.7 | 1365.3 | 1360.6 | 1358.2 | 1353.6 | 1351.2 | 1348.8 |
| 20°   | 1306.1 | 1294.2 | 1296.6 | 1291.8 | 1289.5 | 1280.1 | 1280.1 | 1282.5 |
| 22.5° | 1232.6 | 1225.5 | 1220.7 | 1216.0 | 1213.6 | 1209.0 | 1209.0 | 1206.6 |
| 25°   | 1159.2 | 1152.0 | 1149.6 | 1144.9 | 1142.5 | 1137.8 | 1135.4 | 1135.4 |
| 27.5° | 1088.1 | 1078.5 | 1078.5 | 1073.8 | 1069.0 | 1066.7 | 1064.3 | 1061.9 |
| 30°   | 1012.2 | 1005.1 | 1002.7 | 1002.7 | 1000.3 | 1000.3 | 993.2  | 995.5  |
| 32.5° | 941.1  | 936.3  | 934.0  | 929.2  | 929.2  | 926.8  | 926.8  | 919.7  |
| 35°   | 870.0  | 862.9  | 865.2  | 860.5  | 858.1  | 855.7  | 858.1  | 855.7  |
| 37.5° | 801.1  | 796.5  | 796.5  | 791.8  | 791.8  | 789.4  | 787.0  | 791.8  |
| 40°   | 732.4  | 730.0  | 727.7  | 725.4  | 727.7  | 725.4  | 720.7  | 723.0  |
| 42.5° | 663.7  | 663.7  | 661.3  | 661.3  | 658.9  | 658.9  | 658.9  | 658.9  |
| 45°   | 602.1  | 599.7  | 599.7  | 597.4  | 597.4  | 597.4  | 597.4  | 595.0  |
| 47.5° | 540.4  | 538.1  | 538.1  | 538.1  | 535.8  | 535.8  | 533.4  | 535.8  |
| 50°   | 481.2  | 481.2  | 478.8  | 478.8  | 481.2  | 478.8  | 476.4  | 476.4  |
| 52.5° | 426.7  | 426.7  | 424.4  | 424.4  | 422.0  | 419.6  | 422.0  | 422.0  |
| 55°   | 376.9  | 374.5  | 372.2  | 372.2  | 369.8  | 367.4  | 367.4  | 369.8  |
| 57.5° | 329.5  | 327.1  | 324.7  | 324.7  | 320.0  | 317.6  | 317.6  | 317.6  |
| 60°   | 284.4  | 279.7  | 279.7  | 277.4  | 277.4  | 275.0  | 275.0  | 275.0  |
| 62.5° | 241.8  | 239.5  | 239.5  | 239.5  | 239.5  | 237.1  | 237.1  | 237.1  |
| 65°   | 206.2  | 206.2  | 206.2  | 208.6  | 208.6  | 210.9  | 210.9  | 210.9  |
| 67.5° | 177.8  | 180.1  | 180.1  | 180.1  | 182.5  | 182.5  | 182.5  | 180.1  |
| 70°   | 151.7  | 151.7  | 151.7  | 154.1  | 154.1  | 154.1  | 154.1  | 154.1  |
| 72.5° | 125.7  | 125.7  | 125.7  | 125.7  | 125.7  | 125.7  | 125.7  | 125.7  |
| 75°   | 99.5   | 101.9  | 101.9  | 101.9  | 99.5   | 101.9  | 101.9  | 99.5   |
| 77.5° | 78.2   | 78.2   | 78.2   | 78.2   | 78.2   | 78.2   | 78.2   | 78.2   |
| 80°   | 59.2   | 59.2   | 59.2   | 59.2   | 59.2   | 59.2   | 59.2   | 59.2   |
| 82.5° | 40.3   | 40.3   | 40.3   | 40.3   | 40.3   | 40.3   | 40.3   | 40.3   |
| 85°   | 23.7   | 23.7   | 23.7   | 23.7   | 23.7   | 23.7   | 23.7   | 23.7   |
| 87.5° | 9.5    | 9.5    | 9.5    | 9.5    | 9.5    | 9.5    | 9.5    | 9.5    |
| 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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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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

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1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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