

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: P593634

Luminaire Tested: **HCC8W25D010SL-HM82555850-81WWWB**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593634  
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: HCC8W25D010SL-HM82555850-81WWWB  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

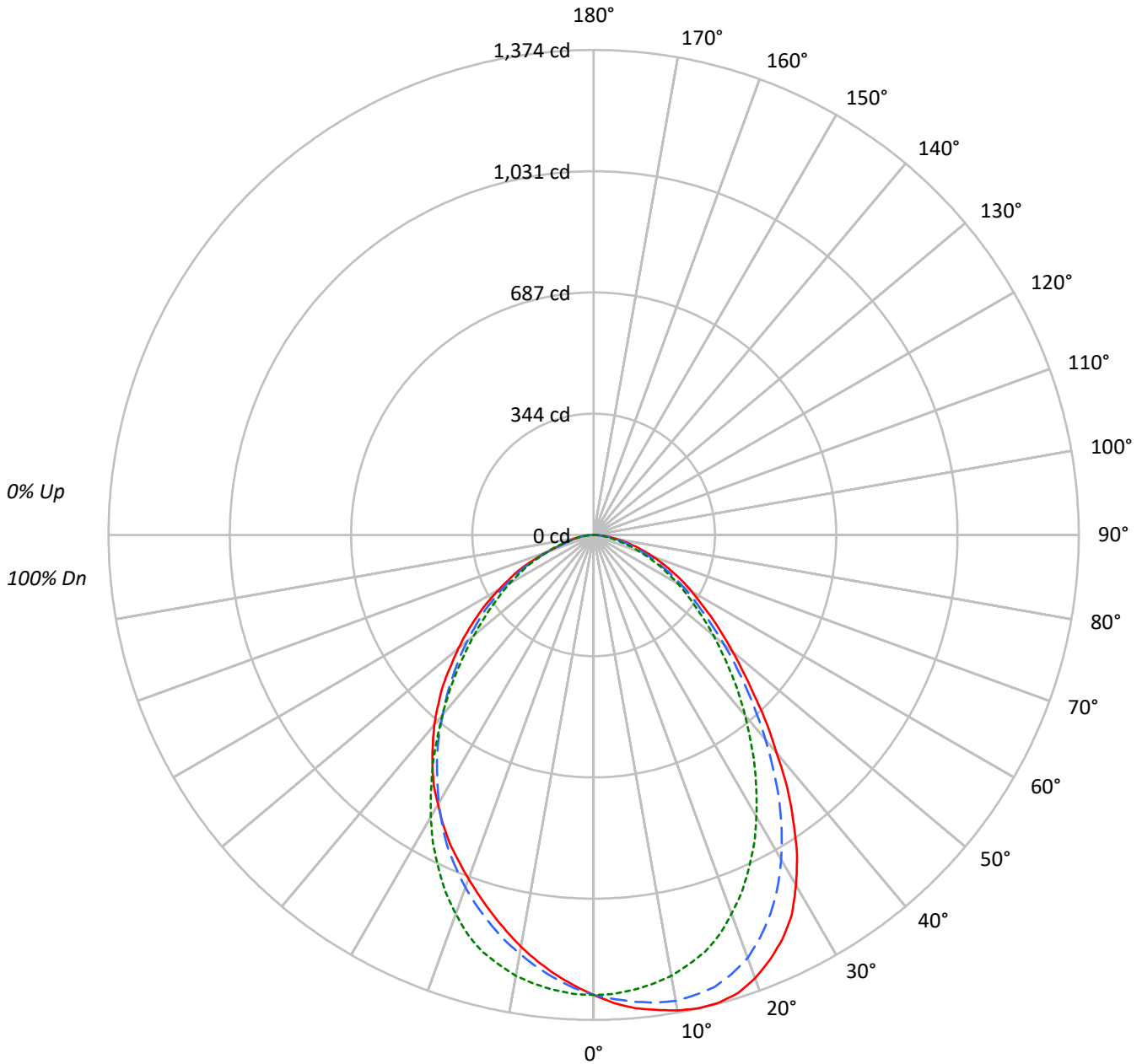
Lumens per Lamp: N/A  
Luminaire Lumens: 2621.4 lumens  
Efficiency: N/A  
Efficacy: 97.8 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.18  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 26.8  
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



TEST NUMBER: P593634  
CATALOG NUMBER: HCC8W25D010SL-HM82555850-81WWWB

### 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°  | 40192 | 40192 | 40192 |
| 5°  | 41664 | 40058 | 38683 |
| 10° | 42841 | 39710 | 37102 |
| 15° | 43793 | 39008 | 35464 |
| 20° | 43861 | 37485 | 34020 |
| 25° | 43023 | 35402 | 32820 |
| 30° | 40805 | 32829 | 31380 |
| 35° | 37076 | 29901 | 29969 |
| 40° | 32421 | 26829 | 28246 |
| 45° | 28093 | 23902 | 26322 |
| 50° | 24605 | 21223 | 23982 |
| 55° | 21897 | 18811 | 21698 |
| 60° | 19754 | 16898 | 19069 |
| 65° | 17833 | 14856 | 16614 |
| 70° | 16021 | 12523 | 12352 |
| 75° | 14106 | 9936  | 9269  |
| 80° | 11845 | 8222  | 8879  |
| 85° | 9164  | 7182  | 7890  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 123.0  | 4.7       |
| 10°-20°   | 346.3  | 13.2      |
| 20°-30°   | 494.9  | 18.9      |
| 30°-40°   | 525.9  | 20.1      |
| 40°-50°   | 452.8  | 17.3      |
| 50°-60°   | 338.5  | 12.9      |
| 60°-70°   | 215.9  | 8.2       |
| 70°-80°   | 98.3   | 3.7       |
| 80°-90°   | 25.8   | 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°    | 964.2  | 36.8      |
| 0°-40°    | 1490.1 | 56.8      |
| 0°-60°    | 2281.4 | 87.0      |
| 0°-90°    | 2621.4 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2621.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1303 | 1303 | 1303 | 1303 | 1303 |      |
| 5°  | 1346 | 1327 | 1294 | 1261 | 1250 | 129  |
| 15° | 1372 | 1326 | 1222 | 1139 | 1111 | 386  |
| 25° | 1264 | 1185 | 1040 | 978  | 965  | 579  |
| 35° | 985  | 916  | 794  | 774  | 796  | 613  |
| 45° | 644  | 609  | 548  | 563  | 604  | 501  |
| 55° | 407  | 374  | 350  | 380  | 404  | 366  |
| 65° | 244  | 217  | 204  | 213  | 228  | 244  |
| 75° | 118  | 102  | 83   | 76   | 78   | 126  |
| 85° | 26   | 22   | 20   | 22   | 22   | 31   |
| 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°    | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 |
| 2.5°  | 1327.4 | 1323.7 | 1325.6 | 1323.7 | 1325.6 | 1325.6 | 1321.9 | 1321.9 | 1321.9 | 1321.9 | 1316.3 |
| 5°    | 1346.0 | 1344.1 | 1344.1 | 1342.2 | 1340.4 | 1342.2 | 1340.4 | 1338.6 | 1334.8 | 1333.0 | 1327.4 |
| 7.5°  | 1357.1 | 1357.1 | 1357.1 | 1357.1 | 1355.2 | 1353.3 | 1351.5 | 1347.8 | 1344.1 | 1340.4 | 1336.6 |
| 10°   | 1368.2 | 1370.0 | 1368.2 | 1366.3 | 1364.5 | 1360.7 | 1358.9 | 1355.2 | 1349.7 | 1344.1 | 1340.4 |
| 12.5° | 1373.7 | 1373.7 | 1371.8 | 1371.8 | 1368.2 | 1366.3 | 1360.7 | 1355.2 | 1349.7 | 1344.1 | 1334.8 |
| 15°   | 1371.8 | 1371.8 | 1370.0 | 1368.2 | 1362.6 | 1360.7 | 1357.1 | 1351.5 | 1342.2 | 1334.8 | 1325.6 |
| 17.5° | 1360.7 | 1358.9 | 1355.2 | 1355.2 | 1347.8 | 1346.0 | 1342.2 | 1334.8 | 1325.6 | 1314.5 | 1303.4 |
| 20°   | 1336.6 | 1336.6 | 1334.8 | 1333.0 | 1325.6 | 1320.1 | 1316.3 | 1307.1 | 1299.6 | 1286.7 | 1275.5 |
| 22.5° | 1303.4 | 1307.1 | 1303.4 | 1299.6 | 1290.4 | 1288.6 | 1283.0 | 1271.9 | 1260.8 | 1246.0 | 1233.0 |
| 25°   | 1264.5 | 1262.6 | 1260.8 | 1257.0 | 1249.7 | 1246.0 | 1238.5 | 1227.5 | 1216.4 | 1199.7 | 1184.9 |
| 27.5° | 1214.4 | 1207.1 | 1207.1 | 1199.7 | 1194.1 | 1188.6 | 1184.9 | 1173.8 | 1158.9 | 1146.0 | 1127.5 |
| 30°   | 1146.0 | 1147.9 | 1138.6 | 1136.8 | 1127.5 | 1123.8 | 1116.3 | 1105.3 | 1092.3 | 1077.5 | 1062.7 |
| 32.5° | 1071.9 | 1066.4 | 1066.4 | 1059.0 | 1051.6 | 1046.0 | 1044.2 | 1031.3 | 1020.1 | 1005.3 | 990.5  |
| 35°   | 984.9  | 984.9  | 979.4  | 977.6  | 970.2  | 966.4  | 960.9  | 953.5  | 940.5  | 927.6  | 916.5  |
| 37.5° | 899.8  | 896.0  | 894.2  | 890.6  | 885.0  | 879.4  | 879.4  | 866.5  | 864.6  | 849.8  | 834.9  |
| 40°   | 805.4  | 809.0  | 805.4  | 799.8  | 797.9  | 794.3  | 792.3  | 785.0  | 779.4  | 766.4  | 757.2  |
| 42.5° | 725.8  | 722.0  | 722.0  | 720.2  | 712.7  | 712.7  | 709.1  | 705.3  | 696.1  | 692.4  | 681.3  |
| 45°   | 644.2  | 648.0  | 642.4  | 644.2  | 636.9  | 636.9  | 636.9  | 629.5  | 622.1  | 616.5  | 609.2  |
| 47.5° | 573.9  | 575.8  | 575.8  | 570.2  | 568.4  | 568.4  | 564.6  | 561.0  | 555.4  | 548.1  | 542.5  |
| 50°   | 512.9  | 514.7  | 510.9  | 509.1  | 505.5  | 503.5  | 503.5  | 496.2  | 492.4  | 485.0  | 481.4  |
| 52.5° | 457.3  | 457.3  | 455.4  | 455.4  | 449.9  | 449.9  | 446.2  | 440.6  | 436.9  | 433.2  | 423.9  |
| 55°   | 407.3  | 407.3  | 405.4  | 403.6  | 403.6  | 398.0  | 396.2  | 390.7  | 386.9  | 379.5  | 374.0  |
| 57.5° | 359.2  | 361.0  | 359.2  | 357.3  | 355.5  | 353.6  | 349.9  | 344.3  | 340.7  | 335.1  | 331.4  |
| 60°   | 320.3  | 320.3  | 318.4  | 316.6  | 312.9  | 311.0  | 309.2  | 305.5  | 299.9  | 296.2  | 290.6  |
| 62.5° | 283.2  | 281.4  | 279.6  | 277.7  | 274.0  | 274.0  | 270.3  | 266.6  | 261.1  | 257.3  | 253.6  |
| 65°   | 244.4  | 244.4  | 242.6  | 242.6  | 240.6  | 237.0  | 235.1  | 233.3  | 225.9  | 224.1  | 216.6  |
| 67.5° | 209.2  | 211.0  | 207.4  | 207.4  | 203.6  | 203.6  | 201.8  | 196.2  | 194.4  | 190.7  | 187.0  |
| 70°   | 177.7  | 177.7  | 177.7  | 175.9  | 172.2  | 170.3  | 168.5  | 164.8  | 163.0  | 159.2  | 155.5  |
| 72.5° | 146.3  | 146.3  | 144.5  | 144.5  | 142.5  | 140.7  | 138.9  | 135.1  | 135.1  | 131.4  | 127.8  |
| 75°   | 118.4  | 118.4  | 116.6  | 114.8  | 112.9  | 112.9  | 111.1  | 109.2  | 105.5  | 103.7  | 101.9  |
| 77.5° | 90.7   | 90.7   | 90.7   | 88.9   | 87.0   | 87.0   | 87.0   | 83.4   | 79.6   | 79.6   | 77.8   |
| 80°   | 66.7   | 66.7   | 64.8   | 64.8   | 62.9   | 62.9   | 62.9   | 61.1   | 59.3   | 57.4   | 55.5   |
| 82.5° | 44.4   | 44.4   | 44.4   | 44.4   | 42.6   | 42.6   | 42.6   | 40.8   | 38.8   | 38.8   | 38.8   |
| 85°   | 25.9   | 25.9   | 25.9   | 25.9   | 24.1   | 24.1   | 24.1   | 24.1   | 24.1   | 22.3   | 22.3   |
| 87.5° | 11.1   | 9.3    | 11.1   | 9.3    | 11.1   | 9.3    | 11.1   | 9.3    | 9.3    | 9.3    | 9.3    |
| 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°    | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 |
| 2.5°  | 1318.1 | 1316.3 | 1314.5 | 1312.6 | 1312.6 | 1310.8 | 1307.1 | 1305.2 | 1303.4 | 1301.5 | 1301.5 |
| 5°    | 1325.6 | 1323.7 | 1320.1 | 1316.3 | 1314.5 | 1310.8 | 1307.1 | 1303.4 | 1299.6 | 1294.1 | 1292.2 |
| 7.5°  | 1331.2 | 1325.6 | 1321.9 | 1314.5 | 1312.6 | 1308.9 | 1303.4 | 1297.8 | 1290.4 | 1283.0 | 1277.5 |
| 10°   | 1331.2 | 1323.7 | 1318.1 | 1308.9 | 1305.2 | 1301.5 | 1294.1 | 1284.9 | 1275.5 | 1268.2 | 1259.0 |
| 12.5° | 1327.4 | 1318.1 | 1308.9 | 1299.6 | 1294.1 | 1288.6 | 1277.5 | 1268.2 | 1257.0 | 1246.0 | 1238.5 |
| 15°   | 1314.5 | 1303.4 | 1292.2 | 1281.1 | 1275.5 | 1268.2 | 1257.0 | 1244.1 | 1233.0 | 1221.9 | 1209.0 |
| 17.5° | 1290.4 | 1279.3 | 1266.3 | 1253.4 | 1246.0 | 1240.5 | 1223.8 | 1214.4 | 1197.9 | 1186.7 | 1175.6 |
| 20°   | 1259.0 | 1246.0 | 1229.3 | 1216.4 | 1207.1 | 1201.5 | 1188.6 | 1171.9 | 1158.9 | 1142.3 | 1131.2 |
| 22.5° | 1218.2 | 1201.5 | 1184.9 | 1171.9 | 1162.7 | 1155.3 | 1138.6 | 1121.9 | 1110.9 | 1096.0 | 1083.1 |
| 25°   | 1170.0 | 1153.4 | 1136.8 | 1118.3 | 1108.9 | 1101.6 | 1086.8 | 1071.9 | 1057.2 | 1040.5 | 1029.3 |
| 27.5° | 1112.7 | 1094.2 | 1079.3 | 1062.7 | 1053.4 | 1042.3 | 1025.7 | 1010.8 | 996.1  | 984.9  | 970.2  |
| 30°   | 1049.8 | 1029.3 | 1014.6 | 997.9  | 988.7  | 979.4  | 962.7  | 947.9  | 935.0  | 922.0  | 914.5  |
| 32.5° | 973.8  | 959.0  | 944.2  | 927.6  | 920.1  | 914.5  | 897.9  | 883.1  | 868.3  | 857.2  | 851.6  |
| 35°   | 901.6  | 885.0  | 871.9  | 857.2  | 848.0  | 842.4  | 827.5  | 814.6  | 807.2  | 794.3  | 786.9  |
| 37.5° | 825.7  | 812.8  | 797.9  | 783.1  | 777.6  | 772.0  | 760.9  | 747.9  | 736.8  | 727.6  | 723.9  |
| 40°   | 746.1  | 735.0  | 722.0  | 712.7  | 707.3  | 701.7  | 692.4  | 683.2  | 675.7  | 666.5  | 662.8  |
| 42.5° | 670.2  | 662.8  | 651.6  | 640.6  | 635.0  | 633.1  | 622.1  | 614.6  | 611.0  | 607.2  | 603.6  |
| 45°   | 601.7  | 590.6  | 583.2  | 575.8  | 570.2  | 566.6  | 561.0  | 555.4  | 551.7  | 548.1  | 544.3  |
| 47.5° | 535.0  | 525.8  | 518.4  | 512.9  | 507.3  | 505.5  | 501.7  | 496.2  | 492.4  | 492.4  | 492.4  |
| 50°   | 473.9  | 466.5  | 459.1  | 455.4  | 453.6  | 449.9  | 446.2  | 444.4  | 442.4  | 442.4  | 442.4  |
| 52.5° | 420.3  | 412.8  | 407.3  | 403.6  | 403.6  | 399.9  | 396.2  | 394.3  | 394.3  | 394.3  | 394.3  |
| 55°   | 370.3  | 364.8  | 361.0  | 357.3  | 353.6  | 351.7  | 351.7  | 351.7  | 349.9  | 349.9  | 351.7  |
| 57.5° | 325.8  | 322.2  | 316.6  | 312.9  | 311.0  | 311.0  | 309.2  | 307.3  | 309.2  | 311.0  | 312.9  |
| 60°   | 285.2  | 281.4  | 279.6  | 274.0  | 274.0  | 274.0  | 272.1  | 272.1  | 272.1  | 274.0  | 275.8  |
| 62.5° | 248.1  | 246.2  | 242.6  | 240.6  | 238.8  | 238.8  | 237.0  | 237.0  | 237.0  | 237.0  | 238.8  |
| 65°   | 214.7  | 211.0  | 207.4  | 207.4  | 207.4  | 205.5  | 205.5  | 201.8  | 203.6  | 203.6  | 201.8  |
| 67.5° | 183.3  | 179.5  | 177.7  | 175.9  | 174.0  | 174.0  | 172.2  | 170.3  | 168.5  | 168.5  | 168.5  |
| 70°   | 153.7  | 150.0  | 150.0  | 146.3  | 146.3  | 144.5  | 142.5  | 142.5  | 140.7  | 138.9  | 137.0  |
| 72.5° | 124.0  | 122.2  | 120.4  | 118.4  | 118.4  | 118.4  | 116.6  | 114.8  | 112.9  | 111.1  | 107.4  |
| 75°   | 98.1   | 98.1   | 94.4   | 92.6   | 92.6   | 90.7   | 88.9   | 87.0   | 85.2   | 83.4   | 81.4   |
| 77.5° | 75.9   | 74.0   | 70.3   | 68.5   | 68.5   | 68.5   | 66.7   | 64.8   | 62.9   | 61.1   | 59.3   |
| 80°   | 55.5   | 53.7   | 51.8   | 50.0   | 50.0   | 50.0   | 48.2   | 48.2   | 46.3   | 46.3   | 46.3   |
| 82.5° | 37.0   | 37.0   | 35.2   | 35.2   | 35.2   | 35.2   | 33.3   | 33.3   | 33.3   | 33.3   | 33.3   |
| 85°   | 22.3   | 22.3   | 20.3   | 20.3   | 20.3   | 20.3   | 20.3   | 20.3   | 20.3   | 20.3   | 20.3   |
| 87.5° | 9.3    | 9.3    | 9.3    | 9.3    | 9.3    | 9.3    | 9.3    | 9.3    | 9.3    | 9.3    | 9.3    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P593634

CATALOG NUMBER: HCC8W25D010SL-HM82555850-81WWWB

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 |
| 2.5°  | 1297.8 | 1297.8 | 1294.1 | 1292.2 | 1290.4 | 1292.2 | 1288.6 | 1286.7 | 1284.9 | 1284.9 | 1283.0 |
| 5°    | 1286.7 | 1284.9 | 1277.5 | 1275.5 | 1273.7 | 1271.9 | 1268.2 | 1264.5 | 1260.8 | 1259.0 | 1257.0 |
| 7.5°  | 1271.9 | 1266.3 | 1259.0 | 1257.0 | 1255.2 | 1249.7 | 1244.1 | 1240.5 | 1234.9 | 1233.0 | 1229.3 |
| 10°   | 1251.6 | 1244.1 | 1238.5 | 1233.0 | 1229.3 | 1223.8 | 1218.2 | 1212.6 | 1205.2 | 1203.4 | 1197.9 |
| 12.5° | 1227.5 | 1218.2 | 1207.1 | 1205.2 | 1199.7 | 1192.3 | 1184.9 | 1179.4 | 1173.8 | 1170.0 | 1164.5 |
| 15°   | 1197.9 | 1188.6 | 1177.4 | 1171.9 | 1166.4 | 1160.8 | 1151.5 | 1144.2 | 1138.6 | 1133.0 | 1127.5 |
| 17.5° | 1162.7 | 1151.5 | 1142.3 | 1136.8 | 1133.0 | 1123.8 | 1116.3 | 1107.1 | 1101.6 | 1096.0 | 1090.4 |
| 20°   | 1120.1 | 1110.9 | 1097.8 | 1092.3 | 1090.4 | 1083.1 | 1073.7 | 1070.1 | 1062.7 | 1057.2 | 1053.4 |
| 22.5° | 1071.9 | 1062.7 | 1051.6 | 1047.9 | 1040.5 | 1036.7 | 1027.5 | 1023.8 | 1020.1 | 1014.6 | 1012.6 |
| 25°   | 1018.2 | 1009.0 | 999.7  | 997.9  | 992.3  | 988.7  | 983.1  | 977.6  | 977.6  | 972.0  | 972.0  |
| 27.5° | 962.7  | 953.5  | 946.1  | 942.3  | 940.5  | 936.8  | 931.2  | 929.4  | 927.6  | 925.7  | 925.7  |
| 30°   | 903.5  | 892.4  | 888.6  | 886.8  | 885.0  | 881.3  | 879.4  | 875.7  | 877.5  | 879.4  | 877.5  |
| 32.5° | 840.5  | 836.8  | 829.5  | 825.7  | 827.5  | 825.7  | 822.0  | 825.7  | 823.9  | 827.5  | 829.5  |
| 35°   | 779.4  | 775.8  | 772.0  | 772.0  | 768.4  | 768.4  | 768.4  | 770.2  | 773.8  | 775.8  | 779.4  |
| 37.5° | 720.2  | 714.7  | 712.7  | 710.9  | 712.7  | 712.7  | 712.7  | 716.5  | 720.2  | 723.9  | 729.4  |
| 40°   | 657.2  | 653.6  | 653.6  | 653.6  | 653.6  | 659.1  | 657.2  | 660.9  | 664.7  | 670.2  | 675.7  |
| 42.5° | 598.0  | 598.0  | 599.8  | 599.8  | 599.8  | 599.8  | 603.6  | 609.2  | 614.6  | 620.2  | 625.7  |
| 45°   | 542.5  | 542.5  | 542.5  | 546.1  | 546.1  | 548.1  | 555.4  | 559.1  | 562.8  | 568.4  | 573.9  |
| 47.5° | 490.6  | 490.6  | 492.4  | 494.3  | 496.2  | 499.9  | 503.5  | 509.1  | 514.7  | 518.4  | 524.0  |
| 50°   | 442.4  | 444.4  | 448.0  | 451.8  | 451.8  | 453.6  | 459.1  | 462.9  | 466.5  | 472.1  | 473.9  |
| 52.5° | 396.2  | 399.9  | 403.6  | 405.4  | 407.3  | 411.0  | 412.8  | 418.4  | 420.3  | 425.9  | 427.7  |
| 55°   | 353.6  | 355.5  | 361.0  | 362.8  | 362.8  | 366.6  | 370.3  | 374.0  | 379.5  | 379.5  | 383.3  |
| 57.5° | 314.7  | 316.6  | 320.3  | 322.2  | 320.3  | 325.8  | 327.7  | 331.4  | 333.2  | 336.9  | 338.8  |
| 60°   | 275.8  | 279.6  | 281.4  | 281.4  | 283.2  | 285.2  | 288.8  | 288.8  | 292.5  | 296.2  | 296.2  |
| 62.5° | 238.8  | 240.6  | 242.6  | 244.4  | 246.2  | 244.4  | 250.0  | 250.0  | 253.6  | 255.5  | 259.2  |
| 65°   | 203.6  | 205.5  | 205.5  | 207.4  | 207.4  | 209.2  | 209.2  | 211.0  | 212.9  | 216.6  | 218.5  |
| 67.5° | 168.5  | 168.5  | 168.5  | 170.3  | 168.5  | 170.3  | 170.3  | 172.2  | 172.2  | 175.9  | 177.7  |
| 70°   | 137.0  | 135.1  | 133.3  | 133.3  | 133.3  | 133.3  | 131.4  | 133.3  | 133.3  | 135.1  | 135.1  |
| 72.5° | 105.5  | 103.7  | 101.9  | 99.9   | 99.9   | 98.1   | 96.3   | 98.1   | 98.1   | 99.9   | 99.9   |
| 75°   | 79.6   | 75.9   | 75.9   | 75.9   | 74.0   | 74.0   | 74.0   | 75.9   | 75.9   | 75.9   | 77.8   |
| 77.5° | 59.3   | 59.3   | 57.4   | 57.4   | 57.4   | 59.3   | 59.3   | 61.1   | 61.1   | 61.1   | 61.1   |
| 80°   | 44.4   | 46.3   | 46.3   | 46.3   | 46.3   | 48.2   | 48.2   | 48.2   | 48.2   | 50.0   | 50.0   |
| 82.5° | 33.3   | 33.3   | 33.3   | 33.3   | 35.2   | 35.2   | 35.2   | 35.2   | 35.2   | 35.2   | 35.2   |
| 85°   | 20.3   | 22.3   | 22.3   | 20.3   | 22.3   | 22.3   | 22.3   | 22.3   | 22.3   | 22.3   | 22.3   |
| 87.5° | 9.3    | 9.3    | 9.3    | 9.3    | 9.3    | 9.3    | 9.3    | 9.3    | 9.3    | 9.3    | 9.3    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |





TEST NUMBER: P593634

CATALOG NUMBER: HCC8W25D010SL-HM82555850-81WWWB

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 | 1303.4 |
| 2.5°  | 1281.1 | 1281.1 | 1281.1 | 1281.1 | 1279.3 | 1279.3 | 1279.3 | 1277.5 |
| 5°    | 1253.4 | 1253.4 | 1253.4 | 1249.7 | 1251.6 | 1251.6 | 1247.8 | 1249.7 |
| 7.5°  | 1225.6 | 1223.8 | 1221.9 | 1221.9 | 1220.0 | 1218.2 | 1216.4 | 1218.2 |
| 10°   | 1194.1 | 1188.6 | 1188.6 | 1186.7 | 1186.7 | 1183.0 | 1183.0 | 1184.9 |
| 12.5° | 1158.9 | 1155.3 | 1155.3 | 1153.4 | 1151.5 | 1149.7 | 1147.9 | 1147.9 |
| 15°   | 1123.8 | 1120.1 | 1118.3 | 1116.3 | 1114.5 | 1110.9 | 1112.7 | 1110.9 |
| 17.5° | 1088.6 | 1083.1 | 1083.1 | 1081.2 | 1079.3 | 1075.7 | 1075.7 | 1073.7 |
| 20°   | 1047.9 | 1046.0 | 1042.3 | 1044.2 | 1042.3 | 1038.6 | 1036.7 | 1036.7 |
| 22.5° | 1007.2 | 1007.2 | 1005.3 | 1005.3 | 1003.4 | 1001.6 | 999.7  | 999.7  |
| 25°   | 968.2  | 966.4  | 968.2  | 968.2  | 962.7  | 962.7  | 962.7  | 964.6  |
| 27.5° | 923.8  | 925.7  | 923.8  | 923.8  | 923.8  | 923.8  | 925.7  | 923.8  |
| 30°   | 879.4  | 879.4  | 879.4  | 881.3  | 885.0  | 883.1  | 883.1  | 881.3  |
| 32.5° | 831.3  | 833.1  | 833.1  | 834.9  | 836.8  | 840.5  | 840.5  | 842.4  |
| 35°   | 783.1  | 786.9  | 788.7  | 786.9  | 792.3  | 792.3  | 796.1  | 796.1  |
| 37.5° | 733.2  | 735.0  | 738.7  | 740.5  | 744.3  | 746.1  | 747.9  | 747.9  |
| 40°   | 679.4  | 686.8  | 688.8  | 690.6  | 696.1  | 696.1  | 698.0  | 701.7  |
| 42.5° | 629.5  | 636.9  | 638.7  | 640.6  | 644.2  | 649.8  | 648.0  | 651.6  |
| 45°   | 581.3  | 586.9  | 588.7  | 590.6  | 596.1  | 598.0  | 598.0  | 603.6  |
| 47.5° | 529.5  | 533.2  | 535.0  | 538.7  | 542.5  | 546.1  | 549.9  | 548.1  |
| 50°   | 477.6  | 483.2  | 487.0  | 488.8  | 494.3  | 496.2  | 498.0  | 499.9  |
| 52.5° | 431.3  | 435.1  | 436.9  | 438.8  | 444.4  | 446.2  | 448.0  | 451.8  |
| 55°   | 386.9  | 388.8  | 392.5  | 390.7  | 396.2  | 398.0  | 399.9  | 403.6  |
| 57.5° | 342.5  | 344.3  | 346.3  | 346.3  | 349.9  | 353.6  | 355.5  | 357.3  |
| 60°   | 299.9  | 303.7  | 305.5  | 305.5  | 305.5  | 309.2  | 309.2  | 309.2  |
| 62.5° | 261.1  | 261.1  | 262.9  | 262.9  | 266.6  | 266.6  | 266.6  | 266.6  |
| 65°   | 220.3  | 222.1  | 224.1  | 224.1  | 227.7  | 225.9  | 229.6  | 227.7  |
| 67.5° | 177.7  | 177.7  | 181.5  | 181.5  | 179.5  | 181.5  | 181.5  | 181.5  |
| 70°   | 135.1  | 135.1  | 137.0  | 137.0  | 137.0  | 137.0  | 137.0  | 137.0  |
| 72.5° | 99.9   | 99.9   | 99.9   | 101.9  | 99.9   | 99.9   | 101.9  | 99.9   |
| 75°   | 77.8   | 77.8   | 77.8   | 77.8   | 77.8   | 77.8   | 77.8   | 77.8   |
| 77.5° | 61.1   | 61.1   | 62.9   | 62.9   | 62.9   | 62.9   | 62.9   | 62.9   |
| 80°   | 50.0   | 50.0   | 50.0   | 50.0   | 51.8   | 50.0   | 50.0   | 50.0   |
| 82.5° | 37.0   | 35.2   | 37.0   | 35.2   | 37.0   | 37.0   | 37.0   | 37.0   |
| 85°   | 22.3   | 22.3   | 22.3   | 22.3   | 22.3   | 22.3   | 22.3   | 22.3   |
| 87.5° | 9.3    | 9.3    | 9.3    | 9.3    | 9.3    | 9.3    | 9.3    | 9.3    |
| 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



Report Generated By 670245859 / DESKTOP-T8S5UU9

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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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