

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: P593649

Luminaire Tested: **HCC8S25D010SL-HM82555950-81WWBB**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593649  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 10/21/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC8S25D010SL-HM82555950-81WWBB  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

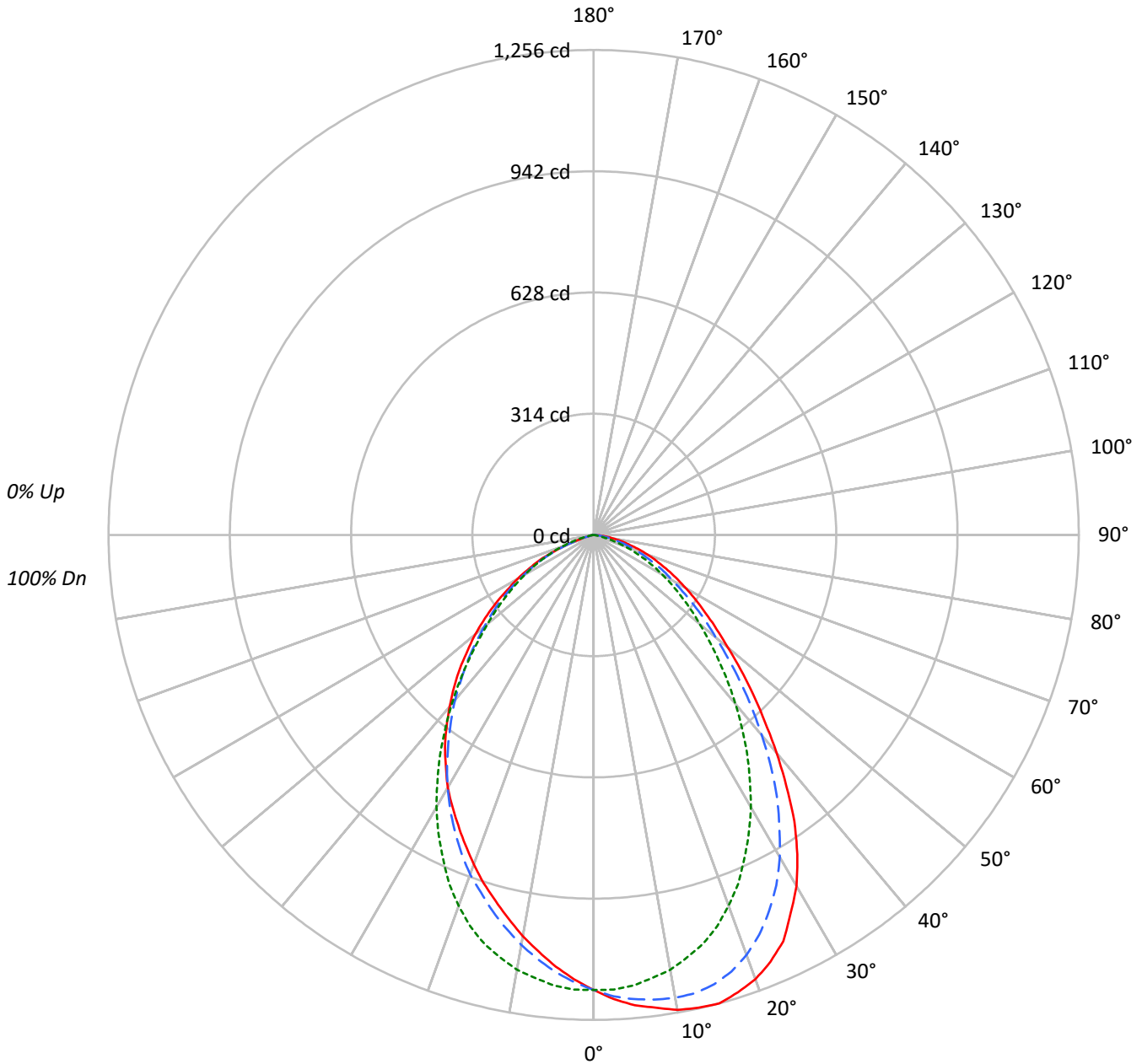
Lumens per Lamp: N/A  
Luminaire Lumens: 2195.4 lumens  
Efficiency: N/A  
Efficacy: 81.9 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.07 / 1.16  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 26.8  
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 | 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  | 86  | 100 | 94  | 89  | 85  | 91  | 86  | 83  | 88  | 84  | 81  | 85  | 82  | 79  | 77  |    |    |    |    | 77  |   |  |   |
| 3   | 95  | 86  | 79  | 74  | 93  | 85  | 78  | 73  | 82  | 76  | 72  | 79  | 74  | 71  | 77  | 73  | 69  | 67  |    |    |    |    | 67  |   |  |   |
| 4   | 88  | 78  | 70  | 64  | 86  | 76  | 69  | 64  | 74  | 68  | 63  | 72  | 66  | 62  | 70  | 65  | 61  | 59  |    |    |    |    | 59  |   |  |   |
| 5   | 82  | 70  | 63  | 57  | 80  | 69  | 62  | 56  | 67  | 61  | 56  | 65  | 60  | 55  | 64  | 59  | 55  | 53  |    |    |    |    | 53  |   |  |   |
| 6   | 76  | 64  | 56  | 51  | 74  | 63  | 56  | 50  | 62  | 55  | 50  | 60  | 54  | 50  | 58  | 53  | 49  | 47  |    |    |    |    | 47  |   |  |   |
| 7   | 71  | 59  | 51  | 45  | 69  | 58  | 51  | 45  | 57  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 44  | 43  |    |    |    |    | 43  |   |  |   |
| 8   | 66  | 54  | 46  | 41  | 65  | 53  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 44  | 40  | 39  |    |    |    |    | 39  |   |  |   |
| 9   | 62  | 50  | 43  | 37  | 61  | 50  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 35  |    |    |    |    | 35  |   |  |   |
| 10  | 59  | 47  | 39  | 34  | 57  | 46  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  | 43  | 38  | 34  | 32  |    |    |    |    | 32  |   |  |   |

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

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 36344 | 36344 | 36344 |
| 5°  | 37848 | 36263 | 34737 |
| 10° | 39112 | 35802 | 33044 |
| 15° | 40103 | 34982 | 31327 |
| 20° | 40179 | 33531 | 29773 |
| 25° | 39502 | 31411 | 28233 |
| 30° | 37387 | 28980 | 26908 |
| 35° | 34087 | 26065 | 25267 |
| 40° | 29643 | 22977 | 23331 |
| 45° | 25433 | 19894 | 21355 |
| 50° | 21722 | 17155 | 19189 |
| 55° | 19037 | 14779 | 16671 |
| 60° | 16954 | 12606 | 14018 |
| 65° | 15038 | 10281 | 11178 |
| 70° | 13344 | 7618  | 6356  |
| 75° | 11128 | 3991  | 1882  |
| 80° | 8755  | 1261  | 302   |
| 85° | 6262  | 601   | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 111.1  | 5.1       |
| 10°-20°   | 311.3  | 14.2      |
| 20°-30°   | 440.6  | 20.1      |
| 30°-40°   | 460.9  | 21.0      |
| 40°-50°   | 384.4  | 17.5      |
| 50°-60°   | 272.6  | 12.4      |
| 60°-70°   | 157.0  | 7.2       |
| 70°-80°   | 50.5   | 2.3       |
| 80°-90°   | 6.9    | 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°    | 862.9  | 39.3      |
| 0°-40°    | 1323.8 | 60.3      |
| 0°-60°    | 1980.9 | 90.2      |
| 0°-90°    | 2195.4 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2195.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1179 | 1179 | 1179 | 1179 | 1179 |      |
| 5°  | 1223 | 1207 | 1172 | 1136 | 1122 | 117  |
| 15° | 1256 | 1205 | 1096 | 1009 | 981  | 353  |
| 25° | 1161 | 1075 | 923  | 849  | 830  | 530  |
| 35° | 906  | 826  | 692  | 655  | 671  | 561  |
| 45° | 583  | 536  | 456  | 462  | 490  | 452  |
| 55° | 354  | 317  | 275  | 289  | 310  | 320  |
| 65° | 206  | 173  | 141  | 141  | 153  | 206  |
| 75° | 93   | 69   | 34   | 16   | 16   | 101  |
| 85° | 18   | 9    | 2    | 0    | 0    | 22   |
| 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°    | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 |
| 2.5°  | 1203.3 | 1201.5 | 1199.8 | 1201.5 | 1199.8 | 1201.5 | 1199.8 | 1199.8 | 1198.0 | 1196.3 | 1196.3 |
| 5°    | 1222.7 | 1220.9 | 1220.9 | 1220.9 | 1219.2 | 1217.3 | 1217.3 | 1215.6 | 1212.1 | 1210.3 | 1206.9 |
| 7.5°  | 1235.0 | 1236.7 | 1236.7 | 1236.7 | 1233.3 | 1233.3 | 1229.8 | 1226.2 | 1222.7 | 1219.2 | 1213.8 |
| 10°   | 1249.1 | 1249.1 | 1247.3 | 1245.6 | 1242.1 | 1240.2 | 1238.5 | 1235.0 | 1229.8 | 1222.7 | 1217.3 |
| 12.5° | 1254.4 | 1254.4 | 1252.6 | 1249.1 | 1247.3 | 1245.6 | 1243.8 | 1238.5 | 1231.5 | 1222.7 | 1215.6 |
| 15°   | 1256.2 | 1252.6 | 1250.8 | 1249.1 | 1245.6 | 1240.2 | 1240.2 | 1233.3 | 1224.4 | 1213.8 | 1205.0 |
| 17.5° | 1242.1 | 1243.8 | 1240.2 | 1236.7 | 1231.5 | 1227.9 | 1222.7 | 1217.3 | 1206.9 | 1194.4 | 1185.7 |
| 20°   | 1224.4 | 1222.7 | 1220.9 | 1215.6 | 1208.6 | 1206.9 | 1201.5 | 1192.7 | 1183.8 | 1169.8 | 1157.5 |
| 22.5° | 1196.3 | 1194.4 | 1190.9 | 1187.4 | 1180.4 | 1176.9 | 1171.5 | 1161.0 | 1148.6 | 1134.5 | 1120.5 |
| 25°   | 1161.0 | 1157.5 | 1152.2 | 1145.1 | 1139.9 | 1136.3 | 1129.3 | 1118.7 | 1104.7 | 1088.7 | 1074.7 |
| 27.5° | 1104.7 | 1109.9 | 1106.4 | 1095.8 | 1090.5 | 1083.5 | 1081.8 | 1067.6 | 1055.3 | 1039.4 | 1023.6 |
| 30°   | 1050.0 | 1050.0 | 1044.7 | 1039.4 | 1030.6 | 1025.4 | 1018.3 | 1007.7 | 995.4  | 976.1  | 963.6  |
| 32.5° | 981.3  | 979.6  | 972.5  | 970.7  | 963.6  | 953.2  | 951.3  | 937.2  | 924.9  | 910.8  | 894.9  |
| 35°   | 905.5  | 902.0  | 894.9  | 889.7  | 886.2  | 880.9  | 875.6  | 863.3  | 851.0  | 836.8  | 826.3  |
| 37.5° | 819.2  | 819.2  | 817.5  | 808.6  | 805.2  | 801.6  | 796.3  | 784.0  | 776.9  | 762.8  | 752.3  |
| 40°   | 736.4  | 734.7  | 729.4  | 727.6  | 724.1  | 718.8  | 715.3  | 708.2  | 697.6  | 687.0  | 676.6  |
| 42.5° | 655.4  | 657.1  | 650.1  | 651.8  | 644.8  | 641.3  | 639.5  | 628.9  | 623.7  | 613.1  | 604.3  |
| 45°   | 583.2  | 581.3  | 577.9  | 576.1  | 572.6  | 569.0  | 565.5  | 560.3  | 551.5  | 540.9  | 535.5  |
| 47.5° | 516.2  | 510.9  | 510.9  | 509.1  | 507.4  | 500.3  | 498.6  | 493.3  | 488.0  | 477.4  | 470.4  |
| 50°   | 452.8  | 452.8  | 452.8  | 451.0  | 445.8  | 443.9  | 440.4  | 435.2  | 429.8  | 422.9  | 412.3  |
| 52.5° | 401.7  | 401.7  | 401.7  | 400.0  | 392.9  | 391.1  | 389.4  | 382.3  | 375.2  | 370.0  | 362.9  |
| 55°   | 354.1  | 355.9  | 354.1  | 350.6  | 345.3  | 345.3  | 340.0  | 336.5  | 329.5  | 324.2  | 317.1  |
| 57.5° | 313.6  | 313.6  | 310.1  | 308.3  | 304.7  | 303.0  | 299.5  | 296.0  | 287.2  | 281.8  | 273.1  |
| 60°   | 274.9  | 273.1  | 273.1  | 269.5  | 266.0  | 262.5  | 260.8  | 255.4  | 251.9  | 243.1  | 236.0  |
| 62.5° | 239.6  | 239.6  | 236.0  | 236.0  | 229.0  | 229.0  | 227.3  | 222.0  | 216.7  | 207.9  | 204.4  |
| 65°   | 206.1  | 206.1  | 204.4  | 202.6  | 197.3  | 195.6  | 193.8  | 188.5  | 183.2  | 177.9  | 172.7  |
| 67.5° | 176.2  | 176.2  | 172.7  | 170.9  | 167.3  | 165.6  | 162.1  | 158.6  | 153.2  | 148.0  | 142.7  |
| 70°   | 148.0  | 146.3  | 144.5  | 142.7  | 139.2  | 137.4  | 133.9  | 130.3  | 125.1  | 121.6  | 116.3  |
| 72.5° | 119.8  | 119.8  | 118.0  | 114.5  | 112.8  | 111.0  | 109.2  | 105.7  | 100.5  | 95.1   | 91.6   |
| 75°   | 93.4   | 93.4   | 93.4   | 89.9   | 86.3   | 84.5   | 84.5   | 81.0   | 77.5   | 72.2   | 68.7   |
| 77.5° | 72.2   | 70.5   | 68.7   | 68.7   | 65.2   | 63.5   | 61.6   | 59.9   | 54.6   | 52.9   | 49.3   |
| 80°   | 49.3   | 51.0   | 49.3   | 47.6   | 45.8   | 44.1   | 44.1   | 40.6   | 38.7   | 35.2   | 31.7   |
| 82.5° | 33.5   | 31.7   | 31.7   | 30.0   | 30.0   | 28.1   | 28.1   | 24.7   | 22.9   | 21.2   | 19.4   |
| 85°   | 17.7   | 17.7   | 15.8   | 15.8   | 15.8   | 14.1   | 14.1   | 12.3   | 12.3   | 10.6   | 8.8    |
| 87.5° | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    | 3.5    | 3.5    | 3.5    |
| 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°    | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 |
| 2.5°  | 1194.4 | 1190.9 | 1189.2 | 1189.2 | 1187.4 | 1185.7 | 1183.8 | 1182.1 | 1178.6 | 1178.6 | 1175.1 |
| 5°    | 1203.3 | 1199.8 | 1198.0 | 1192.7 | 1189.2 | 1189.2 | 1182.1 | 1180.4 | 1175.1 | 1171.5 | 1168.0 |
| 7.5°  | 1210.3 | 1203.3 | 1198.0 | 1192.7 | 1189.2 | 1185.7 | 1178.6 | 1171.5 | 1164.5 | 1157.5 | 1154.0 |
| 10°   | 1210.3 | 1203.3 | 1194.4 | 1185.7 | 1182.1 | 1178.6 | 1169.8 | 1159.2 | 1150.5 | 1143.4 | 1134.5 |
| 12.5° | 1206.9 | 1196.3 | 1185.7 | 1178.6 | 1171.5 | 1166.3 | 1155.7 | 1145.1 | 1134.5 | 1120.5 | 1113.4 |
| 15°   | 1196.3 | 1182.1 | 1171.5 | 1159.2 | 1154.0 | 1145.1 | 1136.3 | 1120.5 | 1108.1 | 1095.8 | 1087.0 |
| 17.5° | 1175.1 | 1157.5 | 1145.1 | 1132.8 | 1124.0 | 1118.7 | 1104.7 | 1090.5 | 1076.4 | 1062.3 | 1051.8 |
| 20°   | 1143.4 | 1127.6 | 1113.4 | 1097.6 | 1090.5 | 1083.5 | 1065.8 | 1051.8 | 1037.7 | 1021.8 | 1011.3 |
| 22.5° | 1104.7 | 1088.7 | 1069.4 | 1057.1 | 1046.5 | 1037.7 | 1021.8 | 1006.0 | 991.9  | 977.8  | 963.6  |
| 25°   | 1057.1 | 1041.2 | 1023.6 | 1004.2 | 997.1  | 988.4  | 970.7  | 954.9  | 939.0  | 923.2  | 910.8  |
| 27.5° | 1006.0 | 984.8  | 970.7  | 949.6  | 942.6  | 933.7  | 914.3  | 896.8  | 882.6  | 870.3  | 856.2  |
| 30°   | 944.3  | 928.4  | 909.1  | 889.7  | 882.6  | 873.9  | 857.9  | 842.1  | 828.1  | 813.9  | 799.8  |
| 32.5° | 877.4  | 861.5  | 842.1  | 828.1  | 817.5  | 810.4  | 794.6  | 780.5  | 766.3  | 752.3  | 739.9  |
| 35°   | 806.9  | 789.2  | 775.2  | 761.1  | 752.3  | 743.4  | 727.6  | 715.3  | 704.7  | 692.4  | 680.0  |
| 37.5° | 734.7  | 722.4  | 708.2  | 692.4  | 683.5  | 676.6  | 664.1  | 650.1  | 641.3  | 630.7  | 621.9  |
| 40°   | 664.1  | 650.1  | 637.7  | 623.7  | 616.6  | 611.3  | 599.0  | 588.4  | 579.6  | 570.8  | 565.5  |
| 42.5° | 591.9  | 579.6  | 567.3  | 558.4  | 553.2  | 547.9  | 539.1  | 526.8  | 521.5  | 512.6  | 507.4  |
| 45°   | 525.0  | 514.5  | 505.6  | 493.3  | 489.7  | 486.2  | 475.7  | 466.8  | 461.6  | 456.2  | 452.8  |
| 47.5° | 461.6  | 454.5  | 443.9  | 436.9  | 431.6  | 428.1  | 421.0  | 414.0  | 408.7  | 405.2  | 401.7  |
| 50°   | 406.9  | 398.1  | 391.1  | 384.0  | 380.5  | 375.2  | 368.2  | 364.7  | 361.1  | 357.6  | 357.6  |
| 52.5° | 355.9  | 347.1  | 340.0  | 334.7  | 331.2  | 327.6  | 322.4  | 320.7  | 317.1  | 317.1  | 315.3  |
| 55°   | 308.3  | 303.0  | 296.0  | 288.9  | 287.2  | 285.4  | 281.8  | 278.3  | 276.6  | 274.9  | 276.6  |
| 57.5° | 267.8  | 262.5  | 255.4  | 250.2  | 248.5  | 246.6  | 244.9  | 241.4  | 239.6  | 239.6  | 239.6  |
| 60°   | 230.8  | 225.6  | 220.2  | 215.0  | 215.0  | 211.4  | 209.6  | 207.9  | 206.1  | 204.4  | 204.4  |
| 62.5° | 197.3  | 192.1  | 186.7  | 183.2  | 181.5  | 179.7  | 176.2  | 174.4  | 172.7  | 172.7  | 170.9  |
| 65°   | 167.3  | 160.3  | 158.6  | 153.2  | 151.5  | 149.8  | 148.0  | 144.5  | 142.7  | 140.9  | 139.2  |
| 67.5° | 137.4  | 133.9  | 128.6  | 125.1  | 123.4  | 121.6  | 119.8  | 116.3  | 114.5  | 112.8  | 109.2  |
| 70°   | 111.0  | 107.4  | 103.9  | 100.5  | 98.7   | 96.9   | 93.4   | 89.9   | 88.1   | 84.5   | 79.3   |
| 72.5° | 86.3   | 82.8   | 79.3   | 75.8   | 74.0   | 72.2   | 68.7   | 65.2   | 61.6   | 58.1   | 54.6   |
| 75°   | 65.2   | 61.6   | 56.4   | 52.9   | 51.0   | 51.0   | 45.8   | 42.3   | 38.7   | 33.5   | 30.0   |
| 77.5° | 45.8   | 40.6   | 38.7   | 35.2   | 33.5   | 30.0   | 26.4   | 22.9   | 19.4   | 17.7   | 14.1   |
| 80°   | 30.0   | 26.4   | 22.9   | 21.2   | 19.4   | 17.7   | 15.8   | 12.3   | 8.8    | 7.1    | 5.2    |
| 82.5° | 17.7   | 15.8   | 14.1   | 12.3   | 10.6   | 8.8    | 7.1    | 7.1    | 5.2    | 3.5    | 1.7    |
| 85°   | 8.8    | 7.1    | 5.2    | 5.2    | 3.5    | 3.5    | 3.5    | 1.7    | 1.7    | 1.7    | 1.7    |
| 87.5° | 3.5    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 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: P593649

CATALOG NUMBER: HCC8S25D010SL-HM82555950-81WWBB

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 |
| 2.5°  | 1173.4 | 1171.5 | 1169.8 | 1168.0 | 1168.0 | 1164.5 | 1164.5 | 1162.8 | 1159.2 | 1157.5 | 1157.5 |
| 5°    | 1162.8 | 1157.5 | 1154.0 | 1152.2 | 1150.5 | 1145.1 | 1143.4 | 1139.9 | 1136.3 | 1132.8 | 1131.1 |
| 7.5°  | 1146.9 | 1138.1 | 1134.5 | 1132.8 | 1127.6 | 1122.2 | 1118.7 | 1113.4 | 1108.1 | 1102.8 | 1101.1 |
| 10°   | 1127.6 | 1118.7 | 1109.9 | 1106.4 | 1101.1 | 1097.6 | 1090.5 | 1083.5 | 1078.2 | 1072.9 | 1067.6 |
| 12.5° | 1102.8 | 1092.3 | 1083.5 | 1080.0 | 1074.7 | 1067.6 | 1057.1 | 1053.5 | 1044.7 | 1041.2 | 1034.2 |
| 15°   | 1074.7 | 1062.3 | 1053.5 | 1048.3 | 1042.9 | 1032.3 | 1025.4 | 1018.3 | 1009.4 | 1006.0 | 999.0  |
| 17.5° | 1039.4 | 1025.4 | 1016.5 | 1011.3 | 1007.7 | 999.0  | 988.4  | 979.6  | 970.7  | 967.2  | 961.9  |
| 20°   | 997.1  | 988.4  | 976.1  | 970.7  | 967.2  | 956.7  | 946.1  | 942.6  | 935.5  | 928.4  | 923.2  |
| 22.5° | 949.6  | 940.7  | 928.4  | 923.2  | 921.4  | 912.6  | 903.8  | 898.5  | 893.2  | 887.9  | 882.6  |
| 25°   | 900.3  | 889.7  | 879.1  | 875.6  | 872.0  | 865.0  | 857.9  | 854.5  | 849.2  | 845.6  | 842.1  |
| 27.5° | 847.4  | 836.8  | 828.1  | 822.7  | 819.2  | 813.9  | 810.4  | 806.9  | 803.4  | 799.8  | 798.1  |
| 30°   | 791.1  | 780.5  | 773.4  | 769.9  | 766.3  | 764.6  | 759.3  | 757.6  | 755.7  | 752.3  | 754.0  |
| 32.5° | 734.7  | 725.9  | 718.8  | 713.5  | 713.5  | 709.9  | 708.2  | 708.2  | 706.4  | 706.4  | 706.4  |
| 35°   | 673.0  | 667.7  | 662.4  | 660.6  | 658.9  | 657.1  | 655.4  | 657.1  | 655.4  | 657.1  | 658.9  |
| 37.5° | 616.6  | 611.3  | 607.8  | 606.0  | 604.3  | 606.0  | 604.3  | 604.3  | 606.0  | 609.6  | 611.3  |
| 40°   | 558.4  | 554.9  | 551.5  | 553.2  | 551.5  | 551.5  | 551.5  | 556.7  | 558.4  | 560.3  | 562.0  |
| 42.5° | 503.9  | 500.3  | 498.6  | 498.6  | 500.3  | 498.6  | 502.2  | 503.9  | 507.4  | 512.6  | 516.2  |
| 45°   | 451.0  | 449.3  | 449.3  | 451.0  | 449.3  | 452.8  | 452.8  | 456.2  | 461.6  | 465.1  | 468.7  |
| 47.5° | 401.7  | 401.7  | 401.7  | 403.4  | 403.4  | 405.2  | 408.7  | 410.5  | 414.0  | 417.5  | 421.0  |
| 50°   | 355.9  | 357.6  | 359.4  | 359.4  | 359.4  | 362.9  | 366.5  | 368.2  | 370.0  | 371.7  | 377.1  |
| 52.5° | 315.3  | 317.1  | 317.1  | 318.9  | 320.7  | 322.4  | 324.2  | 327.6  | 329.5  | 333.0  | 334.7  |
| 55°   | 276.6  | 276.6  | 280.1  | 281.8  | 281.8  | 281.8  | 285.4  | 285.4  | 288.9  | 290.7  | 294.2  |
| 57.5° | 239.6  | 241.4  | 241.4  | 243.1  | 243.1  | 244.9  | 246.6  | 248.5  | 250.2  | 251.9  | 253.7  |
| 60°   | 204.4  | 204.4  | 204.4  | 206.1  | 207.9  | 209.6  | 207.9  | 211.4  | 211.4  | 215.0  | 216.7  |
| 62.5° | 170.9  | 172.7  | 172.7  | 172.7  | 172.7  | 172.7  | 172.7  | 174.4  | 176.2  | 177.9  | 179.7  |
| 65°   | 139.2  | 139.2  | 139.2  | 137.4  | 139.2  | 137.4  | 139.2  | 140.9  | 140.9  | 142.7  | 144.5  |
| 67.5° | 107.4  | 107.4  | 103.9  | 103.9  | 105.7  | 105.7  | 105.7  | 105.7  | 103.9  | 107.4  | 107.4  |
| 70°   | 77.5   | 75.8   | 74.0   | 72.2   | 72.2   | 70.5   | 70.5   | 68.7   | 68.7   | 68.7   | 68.7   |
| 72.5° | 51.0   | 47.6   | 44.1   | 42.3   | 40.6   | 40.6   | 37.0   | 35.2   | 37.0   | 37.0   | 37.0   |
| 75°   | 26.4   | 22.9   | 21.2   | 19.4   | 17.7   | 17.7   | 15.8   | 15.8   | 15.8   | 15.8   | 15.8   |
| 77.5° | 10.6   | 8.8    | 7.1    | 7.1    | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    |
| 80°   | 3.5    | 3.5    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    |
| 82.5° | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    |
| 85°   | 1.7    | 0.0    | 0.0    | 1.7    | 0.0    | 1.7    | 1.7    | 1.7    | 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  
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 Peachtree City, GA 30269



TEST NUMBER: P593649

CATALOG NUMBER: HCC8S25D010SL-HM82555950-81WWBB

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 | 1178.6 |
| 2.5°  | 1155.7 | 1155.7 | 1154.0 | 1155.7 | 1152.2 | 1154.0 | 1152.2 | 1152.2 |
| 5°    | 1129.3 | 1125.7 | 1125.7 | 1125.7 | 1124.0 | 1124.0 | 1122.2 | 1122.2 |
| 7.5°  | 1097.6 | 1095.8 | 1094.1 | 1092.3 | 1090.5 | 1088.7 | 1088.7 | 1088.7 |
| 10°   | 1065.8 | 1062.3 | 1062.3 | 1060.6 | 1057.1 | 1055.3 | 1055.3 | 1055.3 |
| 12.5° | 1028.9 | 1027.1 | 1025.4 | 1025.4 | 1018.3 | 1020.0 | 1018.3 | 1018.3 |
| 15°   | 993.6  | 991.9  | 991.9  | 986.5  | 983.0  | 983.0  | 983.0  | 981.3  |
| 17.5° | 956.7  | 954.9  | 953.2  | 949.6  | 946.1  | 946.1  | 944.3  | 946.1  |
| 20°   | 917.8  | 916.1  | 912.6  | 912.6  | 910.8  | 909.1  | 905.5  | 907.3  |
| 22.5° | 879.1  | 875.6  | 873.9  | 873.9  | 872.0  | 872.0  | 868.5  | 868.5  |
| 25°   | 838.6  | 836.8  | 835.0  | 836.8  | 833.3  | 833.3  | 829.8  | 829.8  |
| 27.5° | 796.3  | 794.6  | 794.6  | 794.6  | 792.8  | 794.6  | 792.8  | 792.8  |
| 30°   | 754.0  | 754.0  | 752.3  | 752.3  | 754.0  | 752.3  | 754.0  | 755.7  |
| 32.5° | 708.2  | 708.2  | 709.9  | 709.9  | 711.8  | 711.8  | 711.8  | 711.8  |
| 35°   | 660.6  | 664.1  | 664.1  | 666.0  | 667.7  | 669.5  | 669.5  | 671.2  |
| 37.5° | 616.6  | 618.4  | 620.2  | 621.9  | 625.4  | 625.4  | 625.4  | 625.4  |
| 40°   | 569.0  | 570.8  | 574.4  | 572.6  | 579.6  | 581.3  | 579.6  | 579.6  |
| 42.5° | 519.7  | 523.2  | 525.0  | 528.6  | 530.3  | 533.8  | 535.5  | 535.5  |
| 45°   | 473.9  | 475.7  | 479.1  | 482.7  | 484.5  | 489.7  | 489.7  | 489.7  |
| 47.5° | 426.4  | 429.8  | 431.6  | 435.2  | 436.9  | 442.2  | 443.9  | 442.2  |
| 50°   | 380.5  | 384.0  | 387.6  | 387.6  | 392.9  | 394.6  | 398.1  | 400.0  |
| 52.5° | 336.5  | 338.2  | 341.8  | 343.6  | 347.1  | 350.6  | 352.4  | 354.1  |
| 55°   | 294.2  | 296.0  | 299.5  | 299.5  | 304.7  | 306.6  | 310.1  | 310.1  |
| 57.5° | 255.4  | 257.2  | 260.8  | 258.9  | 262.5  | 266.0  | 266.0  | 264.3  |
| 60°   | 218.5  | 218.5  | 218.5  | 222.0  | 223.7  | 225.6  | 227.3  | 227.3  |
| 62.5° | 179.7  | 183.2  | 185.0  | 185.0  | 186.7  | 188.5  | 188.5  | 186.7  |
| 65°   | 144.5  | 148.0  | 149.8  | 149.8  | 151.5  | 151.5  | 151.5  | 153.2  |
| 67.5° | 109.2  | 109.2  | 109.2  | 111.0  | 109.2  | 109.2  | 109.2  | 109.2  |
| 70°   | 68.7   | 68.7   | 68.7   | 68.7   | 67.0   | 68.7   | 68.7   | 70.5   |
| 72.5° | 37.0   | 37.0   | 37.0   | 37.0   | 37.0   | 37.0   | 37.0   | 37.0   |
| 75°   | 15.8   | 15.8   | 15.8   | 17.7   | 15.8   | 15.8   | 15.8   | 15.8   |
| 77.5° | 7.1    | 5.2    | 7.1    | 7.1    | 5.2    | 5.2    | 5.2    | 5.2    |
| 80°   | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    |
| 82.5° | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    |
| 85°   | 0.0    | 1.7    | 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    |

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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Peachtree City, GA 30269

Scaled Data Report



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