

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: P584208

Luminaire Tested: **HCC8W25D010MW-HM82555935-81RWWC**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584208
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: HCC8W25D010MW-HM82555935-81RWWC
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

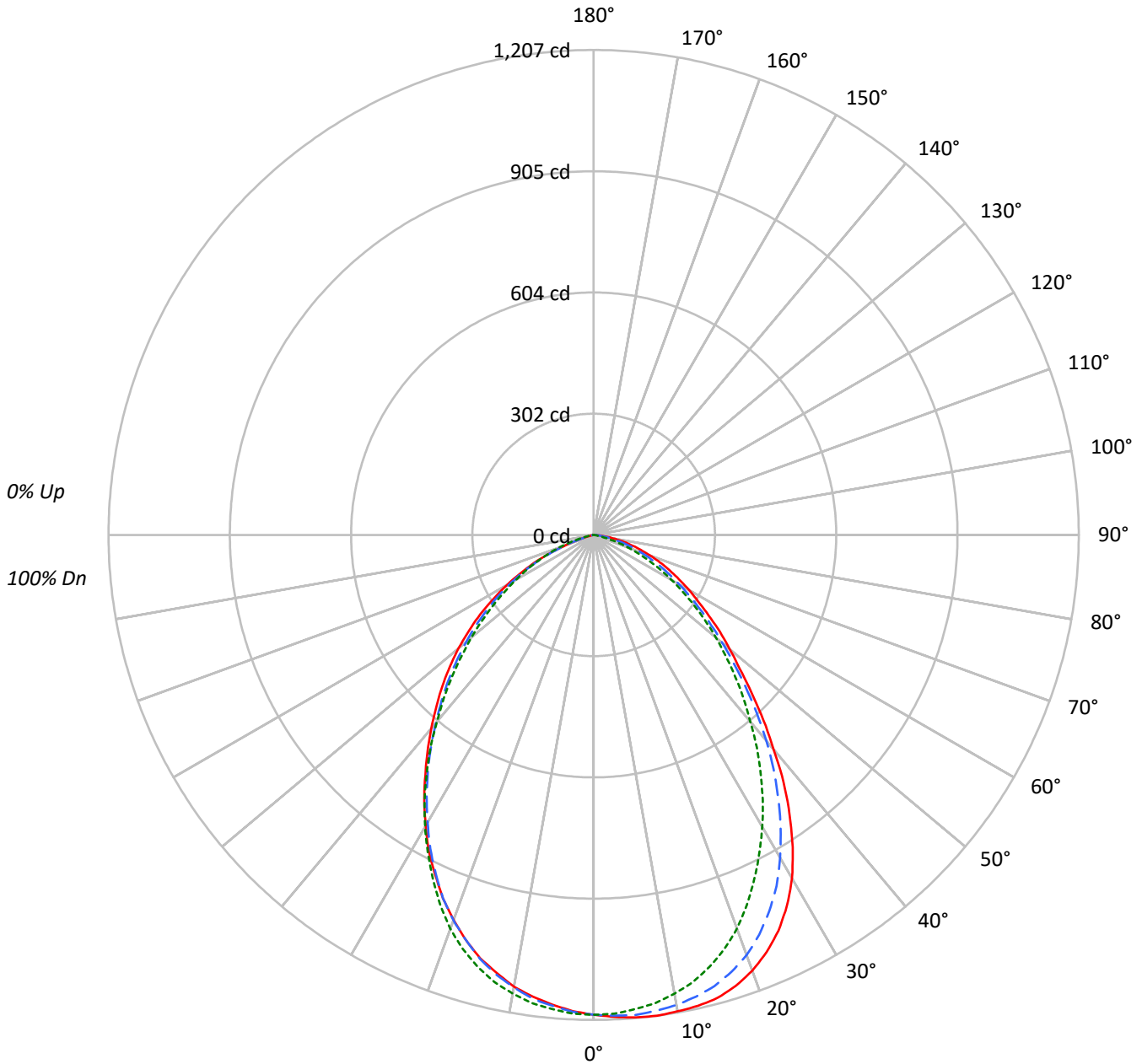
Lumens per Lamp: N/A
Luminaire Lumens: 2269.9 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.08 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (A_{in}): 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: P584208
CATALOG NUMBER: HCC8W25D010MW-HM82555935-81RWWC

Luminous Intensity Polar Plot



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



TEST NUMBER: P584208

CATALOG NUMBER: HCC8W25D010MW-HM82555935-81RWWC

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 36828 | 36828 | 36828 |
| 5° | 37315 | 36671 | 36328 |
| 10° | 37697 | 36297 | 35749 |
| 15° | 38076 | 35532 | 34820 |
| 20° | 37882 | 34220 | 33439 |
| 25° | 36998 | 32173 | 31738 |
| 30° | 35147 | 29867 | 29753 |
| 35° | 31994 | 27254 | 27492 |
| 40° | 28049 | 24390 | 25292 |
| 45° | 24199 | 21700 | 23222 |
| 50° | 21190 | 19050 | 21036 |
| 55° | 18774 | 16370 | 18515 |
| 60° | 16911 | 13765 | 15344 |
| 65° | 15242 | 11054 | 11747 |
| 70° | 13371 | 8051 | 6473 |
| 75° | 11402 | 4182 | 1704 |
| 80° | 8772 | 1137 | 284 |
| 85° | 5626 | 0 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 112.7 | 5.0 |
| 10°-20° | 316.8 | 14.0 |
| 20°-30° | 449.6 | 19.8 |
| 30°-40° | 473.3 | 20.9 |
| 40°-50° | 402.6 | 17.7 |
| 50°-60° | 290.9 | 12.8 |
| 60°-70° | 165.5 | 7.3 |
| 70°-80° | 52.1 | 2.3 |
| 80°-90° | 6.3 | 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° | 879.1 | 38.7 |
| 0°-40° | 1352.4 | 59.6 |
| 0°-60° | 2045.9 | 90.1 |
| 0°-90° | 2269.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2269.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1194 | 1194 | 1194 | 1194 | 1194 | |
| 5° | 1206 | 1199 | 1185 | 1177 | 1174 | 115 |
| 15° | 1193 | 1162 | 1113 | 1092 | 1091 | 336 |
| 25° | 1087 | 1033 | 946 | 930 | 933 | 498 |
| 35° | 850 | 800 | 724 | 719 | 730 | 529 |
| 45° | 555 | 534 | 498 | 510 | 532 | 431 |
| 55° | 349 | 324 | 304 | 322 | 344 | 315 |
| 65° | 209 | 180 | 152 | 150 | 161 | 207 |
| 75° | 96 | 73 | 35 | 16 | 14 | 103 |
| 85° | 16 | 10 | 0 | 0 | 0 | 21 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P584208

CATALOG NUMBER: HCC8W25D010MW-HM82555935-81RWWC

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 |
| 2.5° | 1200.6 | 1202.3 | 1199.1 | 1199.1 | 1202.3 | 1199.1 | 1200.6 | 1200.6 | 1199.1 | 1199.1 | 1197.5 |
| 5° | 1205.5 | 1203.9 | 1203.9 | 1203.9 | 1205.5 | 1202.3 | 1200.6 | 1202.3 | 1199.1 | 1199.1 | 1199.1 |
| 7.5° | 1207.1 | 1207.1 | 1205.5 | 1203.9 | 1203.9 | 1203.9 | 1202.3 | 1200.6 | 1199.1 | 1195.9 | 1194.3 |
| 10° | 1203.9 | 1203.9 | 1205.5 | 1202.3 | 1202.3 | 1199.1 | 1199.1 | 1195.9 | 1195.9 | 1192.7 | 1187.9 |
| 12.5° | 1200.6 | 1199.1 | 1199.1 | 1195.9 | 1195.9 | 1192.7 | 1192.7 | 1187.9 | 1186.3 | 1181.6 | 1176.8 |
| 15° | 1192.7 | 1191.1 | 1187.9 | 1186.3 | 1184.7 | 1183.2 | 1180.0 | 1178.4 | 1173.6 | 1167.3 | 1162.4 |
| 17.5° | 1176.8 | 1175.2 | 1173.6 | 1170.4 | 1167.3 | 1165.7 | 1164.1 | 1159.2 | 1152.8 | 1148.1 | 1140.1 |
| 20° | 1154.4 | 1152.8 | 1152.8 | 1148.1 | 1146.5 | 1141.7 | 1140.1 | 1133.8 | 1129.0 | 1119.3 | 1113.0 |
| 22.5° | 1124.1 | 1125.7 | 1122.5 | 1119.3 | 1116.2 | 1111.4 | 1108.2 | 1101.9 | 1093.9 | 1084.3 | 1076.3 |
| 25° | 1087.4 | 1089.0 | 1085.8 | 1082.7 | 1077.9 | 1074.7 | 1071.5 | 1062.0 | 1054.0 | 1042.8 | 1033.3 |
| 27.5° | 1041.2 | 1041.2 | 1041.2 | 1038.0 | 1030.1 | 1028.5 | 1025.3 | 1015.8 | 1004.5 | 995.0 | 985.5 |
| 30° | 987.1 | 985.5 | 985.5 | 980.7 | 977.4 | 971.1 | 966.3 | 958.3 | 950.4 | 939.1 | 928.0 |
| 32.5° | 921.7 | 923.2 | 918.5 | 915.3 | 910.5 | 910.5 | 904.2 | 897.7 | 888.2 | 877.0 | 865.8 |
| 35° | 849.9 | 851.5 | 848.3 | 846.7 | 838.8 | 837.2 | 835.6 | 827.5 | 821.2 | 813.2 | 800.5 |
| 37.5° | 776.5 | 775.0 | 773.4 | 773.4 | 768.6 | 765.4 | 762.2 | 757.5 | 747.8 | 741.5 | 735.1 |
| 40° | 696.8 | 696.8 | 696.8 | 695.2 | 693.7 | 690.5 | 688.9 | 685.7 | 679.2 | 672.9 | 668.1 |
| 42.5° | 625.1 | 625.1 | 623.5 | 621.9 | 618.7 | 620.3 | 617.1 | 613.9 | 607.5 | 602.7 | 599.5 |
| 45° | 554.9 | 554.9 | 554.9 | 556.5 | 553.3 | 548.5 | 548.5 | 545.4 | 542.2 | 539.0 | 534.1 |
| 47.5° | 492.7 | 497.6 | 494.3 | 492.7 | 494.3 | 487.9 | 487.9 | 484.7 | 481.6 | 478.4 | 472.0 |
| 50° | 441.7 | 441.7 | 441.7 | 438.5 | 436.9 | 436.9 | 432.2 | 429.0 | 427.4 | 424.1 | 417.7 |
| 52.5° | 395.5 | 392.3 | 392.3 | 390.7 | 389.1 | 385.8 | 385.8 | 382.7 | 376.3 | 373.1 | 368.3 |
| 55° | 349.2 | 349.2 | 347.6 | 346.0 | 344.4 | 342.8 | 341.2 | 336.4 | 333.3 | 328.5 | 323.7 |
| 57.5° | 307.7 | 310.9 | 309.3 | 306.1 | 302.9 | 302.9 | 299.8 | 296.6 | 291.8 | 287.0 | 282.3 |
| 60° | 274.2 | 272.6 | 272.6 | 271.0 | 267.9 | 266.3 | 264.7 | 259.9 | 255.1 | 250.4 | 245.6 |
| 62.5° | 239.1 | 239.1 | 239.1 | 236.0 | 232.8 | 231.2 | 229.6 | 226.4 | 220.1 | 215.3 | 212.1 |
| 65° | 208.9 | 207.3 | 205.7 | 204.0 | 202.6 | 199.3 | 197.7 | 194.5 | 189.7 | 185.0 | 180.2 |
| 67.5° | 178.6 | 177.0 | 177.0 | 175.4 | 170.7 | 169.1 | 169.1 | 164.2 | 159.4 | 154.7 | 149.9 |
| 70° | 148.3 | 148.3 | 148.3 | 145.1 | 143.5 | 141.9 | 140.3 | 137.2 | 132.4 | 127.5 | 122.7 |
| 72.5° | 122.7 | 121.2 | 121.2 | 119.6 | 114.8 | 113.2 | 111.6 | 108.4 | 103.7 | 100.5 | 97.3 |
| 75° | 95.7 | 95.7 | 94.1 | 92.4 | 90.8 | 89.3 | 87.7 | 84.5 | 79.7 | 74.9 | 73.4 |
| 77.5° | 73.4 | 71.8 | 71.8 | 70.2 | 67.0 | 65.4 | 65.4 | 62.2 | 57.4 | 54.2 | 51.0 |
| 80° | 49.4 | 51.0 | 49.4 | 47.8 | 46.2 | 44.6 | 43.0 | 41.4 | 38.3 | 35.1 | 31.9 |
| 82.5° | 30.3 | 31.9 | 30.3 | 30.3 | 28.7 | 27.1 | 27.1 | 24.0 | 22.4 | 20.8 | 19.2 |
| 85° | 15.9 | 15.9 | 15.9 | 15.9 | 14.3 | 14.3 | 14.3 | 12.7 | 11.1 | 9.5 | 9.5 |
| 87.5° | 4.8 | 6.4 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 3.2 | 3.2 | 3.2 |
| 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° | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 |
| 2.5° | 1199.1 | 1197.5 | 1195.9 | 1195.9 | 1195.9 | 1195.9 | 1195.9 | 1194.3 | 1192.7 | 1192.7 | 1192.7 |
| 5° | 1195.9 | 1195.9 | 1195.9 | 1194.3 | 1192.7 | 1192.7 | 1189.5 | 1187.9 | 1186.3 | 1184.7 | 1183.2 |
| 7.5° | 1192.7 | 1189.5 | 1187.9 | 1186.3 | 1184.7 | 1184.7 | 1181.6 | 1178.4 | 1178.4 | 1175.2 | 1172.0 |
| 10° | 1183.2 | 1181.6 | 1178.4 | 1175.2 | 1173.6 | 1172.0 | 1168.8 | 1164.1 | 1162.4 | 1159.2 | 1156.0 |
| 12.5° | 1172.0 | 1168.8 | 1165.7 | 1159.2 | 1157.6 | 1156.0 | 1149.7 | 1144.9 | 1141.7 | 1140.1 | 1132.2 |
| 15° | 1157.6 | 1151.2 | 1146.5 | 1138.5 | 1136.9 | 1133.8 | 1129.0 | 1124.1 | 1117.8 | 1113.0 | 1109.8 |
| 17.5° | 1132.2 | 1125.7 | 1117.8 | 1109.8 | 1106.6 | 1106.6 | 1098.7 | 1092.3 | 1084.3 | 1081.1 | 1074.7 |
| 20° | 1101.9 | 1093.9 | 1087.4 | 1077.9 | 1073.1 | 1068.4 | 1063.6 | 1054.0 | 1047.6 | 1042.8 | 1034.9 |
| 22.5° | 1066.8 | 1055.6 | 1047.6 | 1038.0 | 1030.1 | 1025.3 | 1017.4 | 1009.3 | 1001.4 | 996.6 | 990.2 |
| 25° | 1022.1 | 1012.5 | 999.8 | 990.2 | 985.5 | 979.0 | 969.5 | 961.5 | 953.6 | 945.6 | 942.3 |
| 27.5° | 972.6 | 959.9 | 948.8 | 937.6 | 932.8 | 928.0 | 916.9 | 907.3 | 900.9 | 892.9 | 889.7 |
| 30° | 918.5 | 905.8 | 892.9 | 883.4 | 878.6 | 870.7 | 864.2 | 853.1 | 845.1 | 838.8 | 830.7 |
| 32.5° | 856.3 | 846.7 | 835.6 | 821.2 | 818.0 | 811.6 | 802.1 | 797.3 | 787.7 | 782.9 | 776.5 |
| 35° | 789.3 | 782.9 | 771.8 | 760.6 | 755.8 | 752.6 | 744.6 | 735.1 | 728.7 | 724.0 | 720.8 |
| 37.5° | 725.6 | 717.5 | 706.4 | 698.4 | 695.2 | 690.5 | 680.8 | 676.1 | 669.7 | 666.5 | 660.2 |
| 40° | 657.0 | 649.0 | 641.0 | 636.2 | 631.4 | 628.3 | 621.9 | 617.1 | 610.8 | 605.9 | 604.3 |
| 42.5° | 590.0 | 585.2 | 578.9 | 572.4 | 570.8 | 566.0 | 562.9 | 558.1 | 553.3 | 551.7 | 546.9 |
| 45° | 529.4 | 524.6 | 518.2 | 511.9 | 510.3 | 507.1 | 505.5 | 500.7 | 497.6 | 497.6 | 497.6 |
| 47.5° | 468.8 | 464.1 | 457.6 | 454.4 | 456.0 | 449.6 | 449.6 | 448.1 | 444.9 | 444.9 | 446.5 |
| 50° | 414.6 | 408.2 | 406.6 | 403.4 | 400.2 | 397.1 | 398.7 | 393.9 | 393.9 | 397.1 | 395.5 |
| 52.5° | 363.6 | 357.2 | 355.6 | 352.4 | 350.9 | 350.9 | 349.2 | 349.2 | 347.6 | 349.2 | 349.2 |
| 55° | 317.4 | 312.5 | 309.3 | 306.1 | 304.5 | 304.5 | 304.5 | 302.9 | 301.4 | 304.5 | 306.1 |
| 57.5° | 275.8 | 274.2 | 271.0 | 266.3 | 264.7 | 263.1 | 261.5 | 261.5 | 261.5 | 261.5 | 263.1 |
| 60° | 239.1 | 236.0 | 232.8 | 228.0 | 228.0 | 226.4 | 224.8 | 223.2 | 223.2 | 223.2 | 223.2 |
| 62.5° | 207.3 | 202.6 | 197.7 | 194.5 | 192.9 | 191.3 | 189.7 | 186.6 | 186.6 | 186.6 | 186.6 |
| 65° | 175.4 | 170.7 | 167.5 | 164.2 | 161.0 | 161.0 | 157.8 | 156.2 | 153.1 | 151.5 | 148.3 |
| 67.5° | 145.1 | 141.9 | 138.8 | 134.0 | 132.4 | 130.8 | 127.5 | 125.9 | 121.2 | 119.6 | 118.0 |
| 70° | 118.0 | 113.2 | 110.0 | 106.8 | 105.3 | 102.1 | 98.9 | 95.7 | 92.4 | 89.3 | 86.1 |
| 72.5° | 92.4 | 87.7 | 84.5 | 81.3 | 78.1 | 78.1 | 73.4 | 70.2 | 65.4 | 62.2 | 57.4 |
| 75° | 68.6 | 63.8 | 60.6 | 55.9 | 54.2 | 52.6 | 47.8 | 44.6 | 39.9 | 35.1 | 31.9 |
| 77.5° | 46.2 | 43.0 | 39.9 | 35.1 | 31.9 | 31.9 | 27.1 | 24.0 | 20.8 | 15.9 | 14.3 |
| 80° | 28.7 | 25.5 | 22.4 | 19.2 | 19.2 | 15.9 | 14.3 | 11.1 | 8.0 | 6.4 | 4.8 |
| 82.5° | 15.9 | 14.3 | 12.7 | 9.5 | 9.5 | 8.0 | 6.4 | 4.8 | 3.2 | 1.6 | 1.6 |
| 85° | 8.0 | 6.4 | 4.8 | 4.8 | 3.2 | 3.2 | 3.2 | 1.6 | 1.6 | 0.0 | 0.0 |
| 87.5° | 3.2 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 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° | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 |
| 2.5° | 1191.1 | 1191.1 | 1189.5 | 1189.5 | 1189.5 | 1187.9 | 1189.5 | 1187.9 | 1187.9 | 1187.9 | 1189.5 |
| 5° | 1184.7 | 1181.6 | 1181.6 | 1180.0 | 1180.0 | 1178.4 | 1180.0 | 1178.4 | 1176.8 | 1175.2 | 1176.8 |
| 7.5° | 1172.0 | 1168.8 | 1167.3 | 1165.7 | 1165.7 | 1165.7 | 1164.1 | 1162.4 | 1164.1 | 1159.2 | 1162.4 |
| 10° | 1154.4 | 1152.8 | 1149.7 | 1148.1 | 1146.5 | 1148.1 | 1146.5 | 1143.3 | 1143.3 | 1143.3 | 1141.7 |
| 12.5° | 1132.2 | 1129.0 | 1127.4 | 1125.7 | 1122.5 | 1122.5 | 1124.1 | 1120.9 | 1120.9 | 1117.8 | 1117.8 |
| 15° | 1105.0 | 1101.9 | 1098.7 | 1098.7 | 1095.5 | 1095.5 | 1093.9 | 1093.9 | 1092.3 | 1090.7 | 1090.7 |
| 17.5° | 1071.5 | 1066.8 | 1063.6 | 1065.2 | 1063.6 | 1062.0 | 1062.0 | 1058.8 | 1057.2 | 1058.8 | 1058.8 |
| 20° | 1031.7 | 1028.5 | 1025.3 | 1026.9 | 1023.7 | 1022.1 | 1023.7 | 1019.0 | 1020.5 | 1020.5 | 1020.5 |
| 22.5° | 987.1 | 985.5 | 980.7 | 980.7 | 977.4 | 975.8 | 977.4 | 977.4 | 979.0 | 977.4 | 977.4 |
| 25° | 937.6 | 934.4 | 931.2 | 931.2 | 929.6 | 928.0 | 929.6 | 931.2 | 929.6 | 931.2 | 931.2 |
| 27.5° | 885.0 | 880.2 | 880.2 | 877.0 | 877.0 | 878.6 | 877.0 | 878.6 | 880.2 | 880.2 | 883.4 |
| 30° | 827.5 | 825.9 | 824.4 | 822.8 | 822.8 | 824.4 | 824.4 | 824.4 | 825.9 | 829.1 | 829.1 |
| 32.5° | 773.4 | 770.2 | 767.0 | 767.0 | 770.2 | 768.6 | 770.2 | 770.2 | 773.4 | 773.4 | 776.5 |
| 35° | 714.3 | 714.3 | 711.1 | 712.7 | 712.7 | 712.7 | 712.7 | 715.9 | 719.1 | 720.8 | 724.0 |
| 37.5° | 660.2 | 655.4 | 657.0 | 657.0 | 658.6 | 657.0 | 661.7 | 661.7 | 664.9 | 664.9 | 668.1 |
| 40° | 601.1 | 601.1 | 602.7 | 601.1 | 602.7 | 602.7 | 605.9 | 609.2 | 610.8 | 613.9 | 615.5 |
| 42.5° | 545.4 | 548.5 | 545.4 | 546.9 | 548.5 | 550.1 | 551.7 | 553.3 | 559.7 | 562.9 | 567.6 |
| 45° | 494.3 | 495.9 | 497.6 | 499.0 | 497.6 | 500.7 | 502.3 | 505.5 | 510.3 | 511.9 | 513.5 |
| 47.5° | 444.9 | 446.5 | 448.1 | 449.6 | 449.6 | 452.8 | 454.4 | 457.6 | 460.8 | 462.5 | 464.1 |
| 50° | 397.1 | 400.2 | 401.8 | 401.8 | 403.4 | 406.6 | 409.8 | 409.8 | 413.0 | 417.7 | 419.3 |
| 52.5° | 354.0 | 354.0 | 357.2 | 358.8 | 360.4 | 360.4 | 365.2 | 366.8 | 368.3 | 371.5 | 374.7 |
| 55° | 306.1 | 310.9 | 312.5 | 312.5 | 315.8 | 318.9 | 320.5 | 322.1 | 322.1 | 328.5 | 328.5 |
| 57.5° | 264.7 | 266.3 | 269.4 | 269.4 | 269.4 | 274.2 | 274.2 | 277.5 | 279.1 | 280.7 | 283.9 |
| 60° | 223.2 | 226.4 | 226.4 | 228.0 | 226.4 | 229.6 | 231.2 | 234.4 | 236.0 | 237.5 | 239.1 |
| 62.5° | 185.0 | 185.0 | 186.6 | 186.6 | 186.6 | 186.6 | 189.7 | 189.7 | 192.9 | 194.5 | 196.1 |
| 65° | 148.3 | 148.3 | 148.3 | 148.3 | 148.3 | 148.3 | 148.3 | 148.3 | 149.9 | 149.9 | 153.1 |
| 67.5° | 114.8 | 113.2 | 110.0 | 111.6 | 110.0 | 110.0 | 108.4 | 108.4 | 110.0 | 110.0 | 113.2 |
| 70° | 82.9 | 81.3 | 78.1 | 78.1 | 76.5 | 74.9 | 73.4 | 71.8 | 70.2 | 70.2 | 70.2 |
| 72.5° | 54.2 | 51.0 | 46.2 | 44.6 | 44.6 | 41.4 | 38.3 | 36.7 | 36.7 | 36.7 | 36.7 |
| 75° | 27.1 | 24.0 | 20.8 | 19.2 | 19.2 | 15.9 | 17.5 | 15.9 | 15.9 | 15.9 | 15.9 |
| 77.5° | 11.1 | 8.0 | 6.4 | 6.4 | 6.4 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 80° | 3.2 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 82.5° | 1.6 | 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: P584208

CATALOG NUMBER: HCC8W25D010MW-HM82555935-81RWWC

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 | 1194.3 |
| 2.5° | 1187.9 | 1187.9 | 1184.7 | 1186.3 | 1186.3 | 1186.3 | 1186.3 | 1186.3 |
| 5° | 1173.6 | 1175.2 | 1173.6 | 1175.2 | 1175.2 | 1173.6 | 1173.6 | 1173.6 |
| 7.5° | 1159.2 | 1160.8 | 1159.2 | 1160.8 | 1160.8 | 1160.8 | 1159.2 | 1159.2 |
| 10° | 1141.7 | 1141.7 | 1141.7 | 1141.7 | 1141.7 | 1140.1 | 1141.7 | 1141.7 |
| 12.5° | 1117.8 | 1117.8 | 1117.8 | 1119.3 | 1119.3 | 1117.8 | 1117.8 | 1116.2 |
| 15° | 1092.3 | 1089.0 | 1090.7 | 1092.3 | 1090.7 | 1090.7 | 1090.7 | 1090.7 |
| 17.5° | 1057.2 | 1058.8 | 1057.2 | 1057.2 | 1057.2 | 1057.2 | 1058.8 | 1057.2 |
| 20° | 1020.5 | 1020.5 | 1022.1 | 1020.5 | 1020.5 | 1020.5 | 1020.5 | 1019.0 |
| 22.5° | 979.0 | 977.4 | 977.4 | 979.0 | 979.0 | 977.4 | 979.0 | 979.0 |
| 25° | 932.8 | 934.4 | 932.8 | 932.8 | 934.4 | 934.4 | 934.4 | 932.8 |
| 27.5° | 883.4 | 885.0 | 886.6 | 885.0 | 885.0 | 885.0 | 886.6 | 888.2 |
| 30° | 832.4 | 835.6 | 832.4 | 832.4 | 835.6 | 834.0 | 835.6 | 835.6 |
| 32.5° | 778.1 | 782.9 | 779.7 | 782.9 | 782.9 | 784.5 | 782.9 | 784.5 |
| 35° | 724.0 | 728.7 | 728.7 | 728.7 | 730.3 | 731.9 | 731.9 | 730.3 |
| 37.5° | 672.9 | 674.5 | 674.5 | 677.6 | 679.2 | 680.8 | 680.8 | 679.2 |
| 40° | 620.3 | 623.5 | 625.1 | 625.1 | 625.1 | 628.3 | 631.4 | 628.3 |
| 42.5° | 569.2 | 570.8 | 572.4 | 572.4 | 575.7 | 577.3 | 578.9 | 578.9 |
| 45° | 519.8 | 523.0 | 524.6 | 526.2 | 527.8 | 530.9 | 529.4 | 532.5 |
| 47.5° | 468.8 | 473.6 | 475.2 | 476.8 | 480.0 | 481.6 | 483.1 | 484.7 |
| 50° | 422.5 | 425.8 | 425.8 | 429.0 | 433.7 | 433.7 | 436.9 | 438.5 |
| 52.5° | 376.3 | 377.9 | 379.5 | 381.1 | 384.2 | 387.4 | 387.4 | 390.7 |
| 55° | 331.7 | 333.3 | 333.3 | 334.8 | 336.4 | 342.8 | 344.4 | 344.4 |
| 57.5° | 285.5 | 285.5 | 288.6 | 290.2 | 291.8 | 295.0 | 295.0 | 295.0 |
| 60° | 240.8 | 242.4 | 242.4 | 244.0 | 245.6 | 248.8 | 250.4 | 248.8 |
| 62.5° | 196.1 | 197.7 | 197.7 | 199.3 | 202.6 | 204.0 | 202.6 | 202.6 |
| 65° | 154.7 | 156.2 | 156.2 | 157.8 | 161.0 | 161.0 | 159.4 | 161.0 |
| 67.5° | 113.2 | 113.2 | 113.2 | 113.2 | 113.2 | 113.2 | 113.2 | 113.2 |
| 70° | 71.8 | 70.2 | 68.6 | 70.2 | 70.2 | 70.2 | 68.6 | 71.8 |
| 72.5° | 35.1 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 35.1 |
| 75° | 15.9 | 15.9 | 14.3 | 14.3 | 14.3 | 15.9 | 15.9 | 14.3 |
| 77.5° | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 80° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 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 |

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

Scaled Data Report



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Scaled Data Report



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Scaled Data Report



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

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(END OF REPORT)