

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: P584132

Luminaire Tested: **HCC8S25D010MW-HM82555830-81WWWB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584132
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: HCC8S25D010MW-HM82555830-81WWWB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

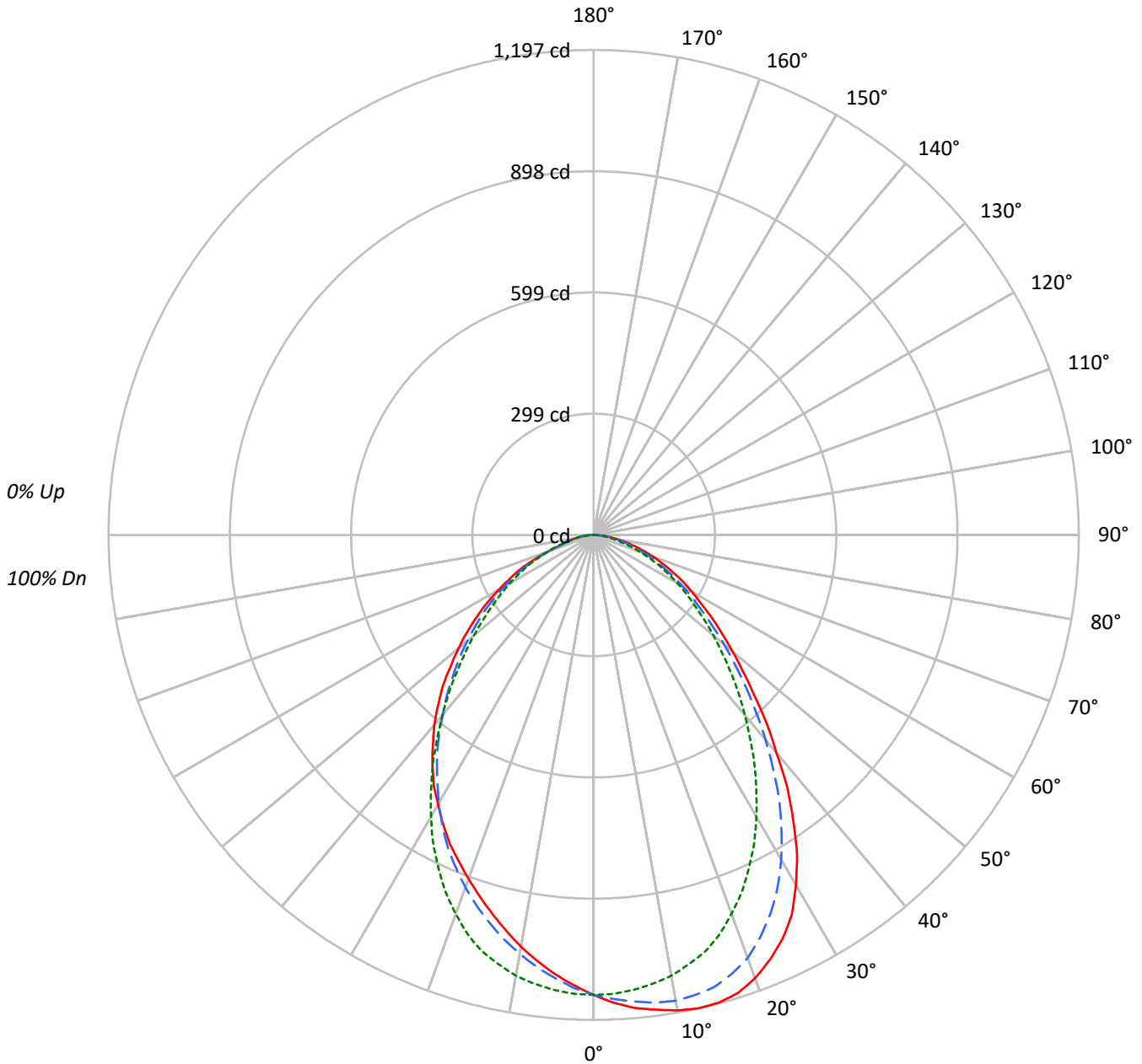
Lumens per Lamp: N/A
Luminaire Lumens: 2283.3 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.18
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (A_{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: P584132
CATALOG NUMBER: HCC8S25D010MW-HM82555830-81WWWB

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|---|--|---|
| RF | 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 | 110 | 106 | 103 | 99 | 108 | 104 | 101 | 98 | 100 | 97 | 95 | 96 | 94 | 92 | 92 | 91 | 89 | 87 | | | | | | | | |
| 2 | 102 | 94 | 88 | 83 | 99 | 93 | 87 | 82 | 89 | 85 | 81 | 86 | 82 | 79 | 83 | 80 | 77 | 75 | | | | | | | | |
| 3 | 94 | 84 | 77 | 71 | 91 | 83 | 76 | 71 | 80 | 74 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 65 | | | | | | | | |
| 4 | 87 | 76 | 68 | 62 | 84 | 75 | 67 | 61 | 72 | 66 | 61 | 70 | 64 | 60 | 68 | 63 | 59 | 57 | | | | | | | | |
| 5 | 80 | 69 | 60 | 54 | 78 | 67 | 60 | 54 | 65 | 59 | 54 | 64 | 58 | 53 | 62 | 57 | 52 | 50 | | | | | | | | |
| 6 | 75 | 62 | 54 | 48 | 73 | 61 | 54 | 48 | 60 | 53 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 45 | | | | | | | | |
| 7 | 70 | 57 | 49 | 43 | 68 | 56 | 49 | 43 | 55 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 42 | 40 | | | | | | | | |
| 8 | 65 | 52 | 45 | 39 | 64 | 52 | 44 | 39 | 51 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 38 | 37 | | | | | | | | |
| 9 | 61 | 48 | 41 | 36 | 60 | 48 | 41 | 36 | 47 | 40 | 35 | 46 | 40 | 35 | 45 | 39 | 35 | 33 | | | | | | | | |
| 10 | 57 | 45 | 38 | 33 | 56 | 44 | 37 | 33 | 44 | 37 | 32 | 43 | 37 | 32 | 42 | 36 | 32 | 30 | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 35008 | 35008 | 35008 |
| 5° | 36291 | 34891 | 33694 |
| 10° | 37318 | 34590 | 32317 |
| 15° | 38149 | 33977 | 30890 |
| 20° | 38207 | 32651 | 29636 |
| 25° | 37478 | 30836 | 28587 |
| 30° | 35543 | 28592 | 27332 |
| 35° | 32295 | 26046 | 26106 |
| 40° | 28238 | 23371 | 24603 |
| 45° | 24473 | 20815 | 22925 |
| 50° | 21429 | 18489 | 20887 |
| 55° | 19075 | 16381 | 18903 |
| 60° | 17200 | 14721 | 16608 |
| 65° | 15527 | 12944 | 14476 |
| 70° | 13957 | 10900 | 10756 |
| 75° | 12307 | 8638 | 8066 |
| 80° | 10317 | 7156 | 7725 |
| 85° | 7996 | 6298 | 6864 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 107.1 | 4.7 |
| 10°-20° | 301.7 | 13.2 |
| 20°-30° | 431.1 | 18.9 |
| 30°-40° | 458.1 | 20.1 |
| 40°-50° | 394.4 | 17.3 |
| 50°-60° | 294.9 | 12.9 |
| 60°-70° | 188.1 | 8.2 |
| 70°-80° | 85.6 | 3.7 |
| 80°-90° | 22.4 | 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° | 839.9 | 36.8 |
| 0°-40° | 1297.9 | 56.8 |
| 0°-60° | 1987.2 | 87.0 |
| 0°-90° | 2283.3 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2283.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1135 | 1135 | 1135 | 1135 | 1135 | |
| 5° | 1172 | 1156 | 1127 | 1098 | 1088 | 112 |
| 15° | 1195 | 1155 | 1064 | 992 | 968 | 337 |
| 25° | 1102 | 1032 | 906 | 852 | 840 | 504 |
| 35° | 858 | 798 | 692 | 674 | 694 | 534 |
| 45° | 561 | 530 | 477 | 490 | 526 | 436 |
| 55° | 355 | 326 | 305 | 331 | 352 | 319 |
| 65° | 213 | 189 | 177 | 185 | 198 | 212 |
| 75° | 103 | 89 | 72 | 66 | 68 | 110 |
| 85° | 23 | 19 | 18 | 19 | 19 | 27 |
| 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° | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 |
| 2.5° | 1156.2 | 1153.0 | 1154.6 | 1153.0 | 1154.6 | 1154.6 | 1151.4 | 1151.4 | 1151.4 | 1151.4 | 1146.6 |
| 5° | 1172.4 | 1170.8 | 1170.8 | 1169.2 | 1167.5 | 1169.2 | 1167.5 | 1165.9 | 1162.7 | 1161.1 | 1156.2 |
| 7.5° | 1182.0 | 1182.0 | 1182.0 | 1182.0 | 1180.4 | 1178.8 | 1177.2 | 1174.0 | 1170.8 | 1167.5 | 1164.3 |
| 10° | 1191.8 | 1193.4 | 1191.8 | 1190.1 | 1188.4 | 1185.2 | 1183.6 | 1180.4 | 1175.6 | 1170.8 | 1167.5 |
| 12.5° | 1196.6 | 1196.6 | 1195.0 | 1195.0 | 1191.8 | 1190.1 | 1185.2 | 1180.4 | 1175.6 | 1170.8 | 1162.7 |
| 15° | 1195.0 | 1195.0 | 1193.4 | 1191.8 | 1186.8 | 1185.2 | 1182.0 | 1177.2 | 1169.2 | 1162.7 | 1154.6 |
| 17.5° | 1185.2 | 1183.6 | 1180.4 | 1180.4 | 1174.0 | 1172.4 | 1169.2 | 1162.7 | 1154.6 | 1144.9 | 1135.3 |
| 20° | 1164.3 | 1164.3 | 1162.7 | 1161.1 | 1154.6 | 1149.8 | 1146.6 | 1138.5 | 1132.1 | 1120.7 | 1111.1 |
| 22.5° | 1135.3 | 1138.5 | 1135.3 | 1132.1 | 1124.0 | 1122.3 | 1117.5 | 1107.9 | 1098.1 | 1085.3 | 1074.0 |
| 25° | 1101.5 | 1099.9 | 1098.1 | 1094.9 | 1088.5 | 1085.3 | 1078.9 | 1069.1 | 1059.5 | 1045.0 | 1032.1 |
| 27.5° | 1057.9 | 1051.4 | 1051.4 | 1045.0 | 1040.1 | 1035.3 | 1032.1 | 1022.4 | 1009.5 | 998.2 | 982.0 |
| 30° | 998.2 | 999.8 | 991.8 | 990.2 | 982.0 | 978.8 | 972.4 | 962.7 | 951.4 | 938.5 | 925.7 |
| 32.5° | 933.7 | 928.9 | 928.9 | 922.4 | 915.9 | 911.1 | 909.5 | 898.3 | 888.5 | 875.7 | 862.7 |
| 35° | 857.9 | 857.9 | 853.1 | 851.5 | 845.0 | 841.8 | 837.0 | 830.5 | 819.2 | 808.0 | 798.2 |
| 37.5° | 783.8 | 780.5 | 778.9 | 775.6 | 770.8 | 766.0 | 766.0 | 754.7 | 753.1 | 740.2 | 727.3 |
| 40° | 701.5 | 704.7 | 701.5 | 696.7 | 695.1 | 691.9 | 690.2 | 683.7 | 678.9 | 667.6 | 659.5 |
| 42.5° | 632.2 | 628.9 | 628.9 | 627.3 | 620.8 | 620.8 | 617.6 | 614.4 | 606.4 | 603.2 | 593.4 |
| 45° | 561.2 | 564.4 | 559.6 | 561.2 | 554.7 | 554.7 | 554.7 | 548.3 | 541.8 | 537.0 | 530.5 |
| 47.5° | 499.9 | 501.5 | 501.5 | 496.7 | 495.1 | 495.1 | 491.9 | 488.7 | 483.7 | 477.3 | 472.5 |
| 50° | 446.7 | 448.3 | 445.1 | 443.5 | 440.2 | 438.6 | 438.6 | 432.2 | 429.0 | 422.5 | 419.2 |
| 52.5° | 398.4 | 398.4 | 396.6 | 396.6 | 391.8 | 391.8 | 388.6 | 383.8 | 380.6 | 377.4 | 369.3 |
| 55° | 354.8 | 354.8 | 353.2 | 351.6 | 351.6 | 346.7 | 345.1 | 340.3 | 337.0 | 330.6 | 325.7 |
| 57.5° | 312.9 | 314.5 | 312.9 | 311.3 | 309.7 | 308.1 | 304.7 | 299.9 | 296.7 | 291.9 | 288.7 |
| 60° | 278.9 | 278.9 | 277.3 | 275.7 | 272.5 | 270.9 | 269.3 | 266.1 | 261.3 | 258.0 | 253.2 |
| 62.5° | 246.7 | 245.1 | 243.5 | 241.9 | 238.7 | 238.7 | 235.4 | 232.2 | 227.4 | 224.2 | 221.0 |
| 65° | 212.8 | 212.8 | 211.2 | 211.2 | 209.6 | 206.4 | 204.8 | 203.2 | 196.8 | 195.2 | 188.6 |
| 67.5° | 182.2 | 183.8 | 180.6 | 180.6 | 177.4 | 177.4 | 175.8 | 171.0 | 169.3 | 166.1 | 162.9 |
| 70° | 154.8 | 154.8 | 154.8 | 153.2 | 150.0 | 148.4 | 146.7 | 143.5 | 141.9 | 138.7 | 135.5 |
| 72.5° | 127.4 | 127.4 | 125.8 | 125.8 | 124.1 | 122.5 | 120.9 | 117.7 | 117.7 | 114.5 | 111.3 |
| 75° | 103.3 | 103.3 | 101.5 | 99.9 | 98.3 | 98.3 | 96.7 | 95.1 | 91.9 | 90.3 | 88.7 |
| 77.5° | 79.0 | 79.0 | 79.0 | 77.4 | 75.8 | 75.8 | 75.8 | 72.5 | 69.3 | 69.3 | 67.7 |
| 80° | 58.1 | 58.1 | 56.4 | 56.4 | 54.8 | 54.8 | 54.8 | 53.2 | 51.6 | 50.0 | 48.4 |
| 82.5° | 38.7 | 38.7 | 38.7 | 38.7 | 37.1 | 37.1 | 37.1 | 35.5 | 33.8 | 33.8 | 33.8 |
| 85° | 22.6 | 22.6 | 22.6 | 22.6 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 19.4 | 19.4 |
| 87.5° | 9.6 | 8.0 | 9.6 | 8.0 | 9.6 | 8.0 | 9.6 | 8.0 | 8.0 | 8.0 | 8.0 |
| 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):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 |
| 2.5° | 1148.2 | 1146.6 | 1144.9 | 1143.3 | 1143.3 | 1141.7 | 1138.5 | 1136.9 | 1135.3 | 1133.7 | 1133.7 |
| 5° | 1154.6 | 1153.0 | 1149.8 | 1146.6 | 1144.9 | 1141.7 | 1138.5 | 1135.3 | 1132.1 | 1127.2 | 1125.6 |
| 7.5° | 1159.5 | 1154.6 | 1151.4 | 1144.9 | 1143.3 | 1140.1 | 1135.3 | 1130.5 | 1124.0 | 1117.5 | 1112.7 |
| 10° | 1159.5 | 1153.0 | 1148.2 | 1140.1 | 1136.9 | 1133.7 | 1127.2 | 1119.1 | 1111.1 | 1104.7 | 1096.5 |
| 12.5° | 1156.2 | 1148.2 | 1140.1 | 1132.1 | 1127.2 | 1122.3 | 1112.7 | 1104.7 | 1094.9 | 1085.3 | 1078.9 |
| 15° | 1144.9 | 1135.3 | 1125.6 | 1115.9 | 1111.1 | 1104.7 | 1094.9 | 1083.7 | 1074.0 | 1064.3 | 1053.0 |
| 17.5° | 1124.0 | 1114.3 | 1103.1 | 1091.7 | 1085.3 | 1080.5 | 1065.9 | 1057.9 | 1043.4 | 1033.7 | 1024.0 |
| 20° | 1096.5 | 1085.3 | 1070.7 | 1059.5 | 1051.4 | 1046.6 | 1035.3 | 1020.8 | 1009.5 | 995.0 | 985.3 |
| 22.5° | 1061.1 | 1046.6 | 1032.1 | 1020.8 | 1012.8 | 1006.2 | 991.8 | 977.2 | 967.6 | 954.7 | 943.4 |
| 25° | 1019.2 | 1004.6 | 990.2 | 974.0 | 966.0 | 959.5 | 946.6 | 933.7 | 920.8 | 906.3 | 896.7 |
| 27.5° | 969.2 | 953.0 | 940.1 | 925.7 | 917.5 | 907.9 | 893.3 | 880.5 | 867.6 | 857.9 | 845.0 |
| 30° | 914.3 | 896.7 | 883.7 | 869.2 | 861.1 | 853.1 | 838.6 | 825.6 | 814.4 | 803.0 | 796.6 |
| 32.5° | 848.2 | 835.3 | 822.4 | 808.0 | 801.4 | 796.6 | 782.1 | 769.2 | 756.3 | 746.6 | 741.8 |
| 35° | 785.4 | 770.8 | 759.5 | 746.6 | 738.6 | 733.7 | 720.9 | 709.5 | 703.1 | 691.9 | 685.3 |
| 37.5° | 719.3 | 707.9 | 695.1 | 682.1 | 677.3 | 672.5 | 662.8 | 651.5 | 641.8 | 633.8 | 630.6 |
| 40° | 649.9 | 640.2 | 628.9 | 620.8 | 616.0 | 611.2 | 603.2 | 595.0 | 588.6 | 580.6 | 577.3 |
| 42.5° | 583.8 | 577.3 | 567.6 | 558.0 | 553.1 | 551.5 | 541.8 | 535.4 | 532.1 | 528.9 | 525.7 |
| 45° | 524.1 | 514.5 | 507.9 | 501.5 | 496.7 | 493.5 | 488.7 | 483.7 | 480.5 | 477.3 | 474.1 |
| 47.5° | 466.1 | 458.0 | 451.5 | 446.7 | 441.8 | 440.2 | 437.0 | 432.2 | 429.0 | 429.0 | 429.0 |
| 50° | 412.8 | 406.4 | 400.0 | 396.6 | 395.0 | 391.8 | 388.6 | 387.0 | 385.4 | 385.4 | 385.4 |
| 52.5° | 366.0 | 359.6 | 354.8 | 351.6 | 351.6 | 348.3 | 345.1 | 343.5 | 343.5 | 343.5 | 343.5 |
| 55° | 322.5 | 317.7 | 314.5 | 311.3 | 308.1 | 306.4 | 306.4 | 306.4 | 304.7 | 304.7 | 306.4 |
| 57.5° | 283.9 | 280.6 | 275.7 | 272.5 | 270.9 | 270.9 | 269.3 | 267.7 | 269.3 | 270.9 | 272.5 |
| 60° | 248.3 | 245.1 | 243.5 | 238.7 | 238.7 | 238.7 | 237.0 | 237.0 | 237.0 | 238.7 | 240.3 |
| 62.5° | 216.1 | 214.4 | 211.2 | 209.6 | 208.0 | 208.0 | 206.4 | 206.4 | 206.4 | 206.4 | 208.0 |
| 65° | 187.0 | 183.8 | 180.6 | 180.6 | 180.6 | 179.0 | 179.0 | 175.8 | 177.4 | 177.4 | 175.8 |
| 67.5° | 159.6 | 156.4 | 154.8 | 153.2 | 151.6 | 151.6 | 150.0 | 148.4 | 146.7 | 146.7 | 146.7 |
| 70° | 133.9 | 130.6 | 130.6 | 127.4 | 127.4 | 125.8 | 124.1 | 124.1 | 122.5 | 120.9 | 119.3 |
| 72.5° | 108.1 | 106.5 | 104.9 | 103.3 | 103.3 | 103.3 | 101.5 | 99.9 | 98.3 | 96.7 | 93.5 |
| 75° | 85.5 | 85.5 | 82.3 | 80.7 | 80.7 | 79.0 | 77.4 | 75.8 | 74.2 | 72.5 | 70.9 |
| 77.5° | 66.1 | 64.5 | 61.3 | 59.7 | 59.7 | 59.7 | 58.1 | 56.4 | 54.8 | 53.2 | 51.6 |
| 80° | 48.4 | 46.8 | 45.2 | 43.5 | 43.5 | 43.5 | 41.9 | 41.9 | 40.3 | 40.3 | 40.3 |
| 82.5° | 32.2 | 32.2 | 30.6 | 30.6 | 30.6 | 30.6 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 85° | 19.4 | 19.4 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 |
| 87.5° | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| 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° | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 |
| 2.5° | 1130.5 | 1130.5 | 1127.2 | 1125.6 | 1124.0 | 1125.6 | 1122.3 | 1120.7 | 1119.1 | 1119.1 | 1117.5 |
| 5° | 1120.7 | 1119.1 | 1112.7 | 1111.1 | 1109.5 | 1107.9 | 1104.7 | 1101.5 | 1098.1 | 1096.5 | 1094.9 |
| 7.5° | 1107.9 | 1103.1 | 1096.5 | 1094.9 | 1093.3 | 1088.5 | 1083.7 | 1080.5 | 1075.6 | 1074.0 | 1070.7 |
| 10° | 1090.1 | 1083.7 | 1078.9 | 1074.0 | 1070.7 | 1065.9 | 1061.1 | 1056.3 | 1049.8 | 1048.2 | 1043.4 |
| 12.5° | 1069.1 | 1061.1 | 1051.4 | 1049.8 | 1045.0 | 1038.5 | 1032.1 | 1027.2 | 1022.4 | 1019.2 | 1014.4 |
| 15° | 1043.4 | 1035.3 | 1025.6 | 1020.8 | 1016.0 | 1011.2 | 1003.0 | 996.6 | 991.8 | 987.0 | 982.0 |
| 17.5° | 1012.8 | 1003.0 | 995.0 | 990.2 | 987.0 | 978.8 | 972.4 | 964.4 | 959.5 | 954.7 | 949.8 |
| 20° | 975.6 | 967.6 | 956.3 | 951.4 | 949.8 | 943.4 | 935.3 | 932.1 | 925.7 | 920.8 | 917.5 |
| 22.5° | 933.7 | 925.7 | 915.9 | 912.7 | 906.3 | 903.1 | 894.9 | 891.7 | 888.5 | 883.7 | 882.1 |
| 25° | 886.9 | 878.9 | 870.8 | 869.2 | 864.3 | 861.1 | 856.3 | 851.5 | 851.5 | 846.6 | 846.6 |
| 27.5° | 838.6 | 830.5 | 824.0 | 820.8 | 819.2 | 816.0 | 811.2 | 809.6 | 808.0 | 806.4 | 806.4 |
| 30° | 787.0 | 777.2 | 774.0 | 772.4 | 770.8 | 767.6 | 766.0 | 762.8 | 764.4 | 766.0 | 764.4 |
| 32.5° | 732.1 | 728.9 | 722.5 | 719.3 | 720.9 | 719.3 | 716.0 | 719.3 | 717.6 | 720.9 | 722.5 |
| 35° | 678.9 | 675.7 | 672.5 | 672.5 | 669.3 | 669.3 | 669.3 | 670.9 | 674.1 | 675.7 | 678.9 |
| 37.5° | 627.3 | 622.4 | 620.8 | 619.2 | 620.8 | 620.8 | 620.8 | 624.1 | 627.3 | 630.6 | 635.4 |
| 40° | 572.4 | 569.2 | 569.2 | 569.2 | 569.2 | 574.1 | 572.4 | 575.7 | 579.0 | 583.8 | 588.6 |
| 42.5° | 520.9 | 520.9 | 522.5 | 522.5 | 522.5 | 522.5 | 525.7 | 530.5 | 535.4 | 540.2 | 545.1 |
| 45° | 472.5 | 472.5 | 472.5 | 475.7 | 475.7 | 477.3 | 483.7 | 487.0 | 490.3 | 495.1 | 499.9 |
| 47.5° | 427.4 | 427.4 | 429.0 | 430.6 | 432.2 | 435.4 | 438.6 | 443.5 | 448.3 | 451.5 | 456.4 |
| 50° | 385.4 | 387.0 | 390.2 | 393.4 | 393.4 | 395.0 | 400.0 | 403.2 | 406.4 | 411.2 | 412.8 |
| 52.5° | 345.1 | 348.3 | 351.6 | 353.2 | 354.8 | 358.0 | 359.6 | 364.4 | 366.0 | 370.9 | 372.5 |
| 55° | 308.1 | 309.7 | 314.5 | 316.1 | 316.1 | 319.3 | 322.5 | 325.7 | 330.6 | 330.6 | 333.8 |
| 57.5° | 274.1 | 275.7 | 278.9 | 280.6 | 278.9 | 283.9 | 285.5 | 288.7 | 290.3 | 293.5 | 295.1 |
| 60° | 240.3 | 243.5 | 245.1 | 245.1 | 246.7 | 248.3 | 251.6 | 251.6 | 254.8 | 258.0 | 258.0 |
| 62.5° | 208.0 | 209.6 | 211.2 | 212.8 | 214.4 | 212.8 | 217.7 | 217.7 | 221.0 | 222.6 | 225.8 |
| 65° | 177.4 | 179.0 | 179.0 | 180.6 | 180.6 | 182.2 | 182.2 | 183.8 | 185.4 | 188.6 | 190.2 |
| 67.5° | 146.7 | 146.7 | 146.7 | 148.4 | 146.7 | 148.4 | 148.4 | 150.0 | 150.0 | 153.2 | 154.8 |
| 70° | 119.3 | 117.7 | 116.1 | 116.1 | 116.1 | 116.1 | 114.5 | 116.1 | 116.1 | 117.7 | 117.7 |
| 72.5° | 91.9 | 90.3 | 88.7 | 87.1 | 87.1 | 85.5 | 83.9 | 85.5 | 85.5 | 87.1 | 87.1 |
| 75° | 69.3 | 66.1 | 66.1 | 66.1 | 64.5 | 64.5 | 64.5 | 66.1 | 66.1 | 66.1 | 67.7 |
| 77.5° | 51.6 | 51.6 | 50.0 | 50.0 | 50.0 | 51.6 | 51.6 | 53.2 | 53.2 | 53.2 | 53.2 |
| 80° | 38.7 | 40.3 | 40.3 | 40.3 | 40.3 | 41.9 | 41.9 | 41.9 | 41.9 | 43.5 | 43.5 |
| 82.5° | 29.0 | 29.0 | 29.0 | 29.0 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| 85° | 17.8 | 19.4 | 19.4 | 17.8 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 |
| 87.5° | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| 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: P584132

CATALOG NUMBER: HCC8S25D010MW-HM82555830-81WWWB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 | 1135.3 |
| 2.5° | 1115.9 | 1115.9 | 1115.9 | 1115.9 | 1114.3 | 1114.3 | 1114.3 | 1112.7 |
| 5° | 1091.7 | 1091.7 | 1091.7 | 1088.5 | 1090.1 | 1090.1 | 1086.9 | 1088.5 |
| 7.5° | 1067.5 | 1065.9 | 1064.3 | 1064.3 | 1062.7 | 1061.1 | 1059.5 | 1061.1 |
| 10° | 1040.1 | 1035.3 | 1035.3 | 1033.7 | 1033.7 | 1030.4 | 1030.4 | 1032.1 |
| 12.5° | 1009.5 | 1006.2 | 1006.2 | 1004.6 | 1003.0 | 1001.4 | 999.8 | 999.8 |
| 15° | 978.8 | 975.6 | 974.0 | 972.4 | 970.8 | 967.6 | 969.2 | 967.6 |
| 17.5° | 948.2 | 943.4 | 943.4 | 941.8 | 940.1 | 936.9 | 936.9 | 935.3 |
| 20° | 912.7 | 911.1 | 907.9 | 909.5 | 907.9 | 904.7 | 903.1 | 903.1 |
| 22.5° | 877.3 | 877.3 | 875.7 | 875.7 | 874.1 | 872.4 | 870.8 | 870.8 |
| 25° | 843.4 | 841.8 | 843.4 | 843.4 | 838.6 | 838.6 | 838.6 | 840.2 |
| 27.5° | 804.6 | 806.4 | 804.6 | 804.6 | 804.6 | 804.6 | 806.4 | 804.6 |
| 30° | 766.0 | 766.0 | 766.0 | 767.6 | 770.8 | 769.2 | 769.2 | 767.6 |
| 32.5° | 724.1 | 725.7 | 725.7 | 727.3 | 728.9 | 732.1 | 732.1 | 733.7 |
| 35° | 682.1 | 685.3 | 686.9 | 685.3 | 690.2 | 690.2 | 693.5 | 693.5 |
| 37.5° | 638.6 | 640.2 | 643.4 | 645.0 | 648.3 | 649.9 | 651.5 | 651.5 |
| 40° | 591.8 | 598.2 | 599.8 | 601.6 | 606.4 | 606.4 | 608.0 | 611.2 |
| 42.5° | 548.3 | 554.7 | 556.4 | 558.0 | 561.2 | 566.0 | 564.4 | 567.6 |
| 45° | 506.3 | 511.2 | 512.9 | 514.5 | 519.3 | 520.9 | 520.9 | 525.7 |
| 47.5° | 461.2 | 464.4 | 466.1 | 469.3 | 472.5 | 475.7 | 478.9 | 477.3 |
| 50° | 416.0 | 420.9 | 424.1 | 425.8 | 430.6 | 432.2 | 433.8 | 435.4 |
| 52.5° | 375.8 | 379.0 | 380.6 | 382.2 | 387.0 | 388.6 | 390.2 | 393.4 |
| 55° | 337.0 | 338.7 | 341.9 | 340.3 | 345.1 | 346.7 | 348.3 | 351.6 |
| 57.5° | 298.3 | 299.9 | 301.5 | 301.5 | 304.7 | 308.1 | 309.7 | 311.3 |
| 60° | 261.3 | 264.5 | 266.1 | 266.1 | 266.1 | 269.3 | 269.3 | 269.3 |
| 62.5° | 227.4 | 227.4 | 229.0 | 229.0 | 232.2 | 232.2 | 232.2 | 232.2 |
| 65° | 191.9 | 193.6 | 195.2 | 195.2 | 198.4 | 196.8 | 200.0 | 198.4 |
| 67.5° | 154.8 | 154.8 | 158.0 | 158.0 | 156.4 | 158.0 | 158.0 | 158.0 |
| 70° | 117.7 | 117.7 | 119.3 | 119.3 | 119.3 | 119.3 | 119.3 | 119.3 |
| 72.5° | 87.1 | 87.1 | 87.1 | 88.7 | 87.1 | 87.1 | 88.7 | 87.1 |
| 75° | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| 77.5° | 53.2 | 53.2 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| 80° | 43.5 | 43.5 | 43.5 | 43.5 | 45.2 | 43.5 | 43.5 | 43.5 |
| 82.5° | 32.2 | 30.6 | 32.2 | 30.6 | 32.2 | 32.2 | 32.2 | 32.2 |
| 85° | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 |
| 87.5° | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| 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)