

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: P584215

Luminaire Tested: **HCC8S25D010MW-HM82555935-81WWBB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584215
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: HCC8S25D010MW-HM82555935-81WWBB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

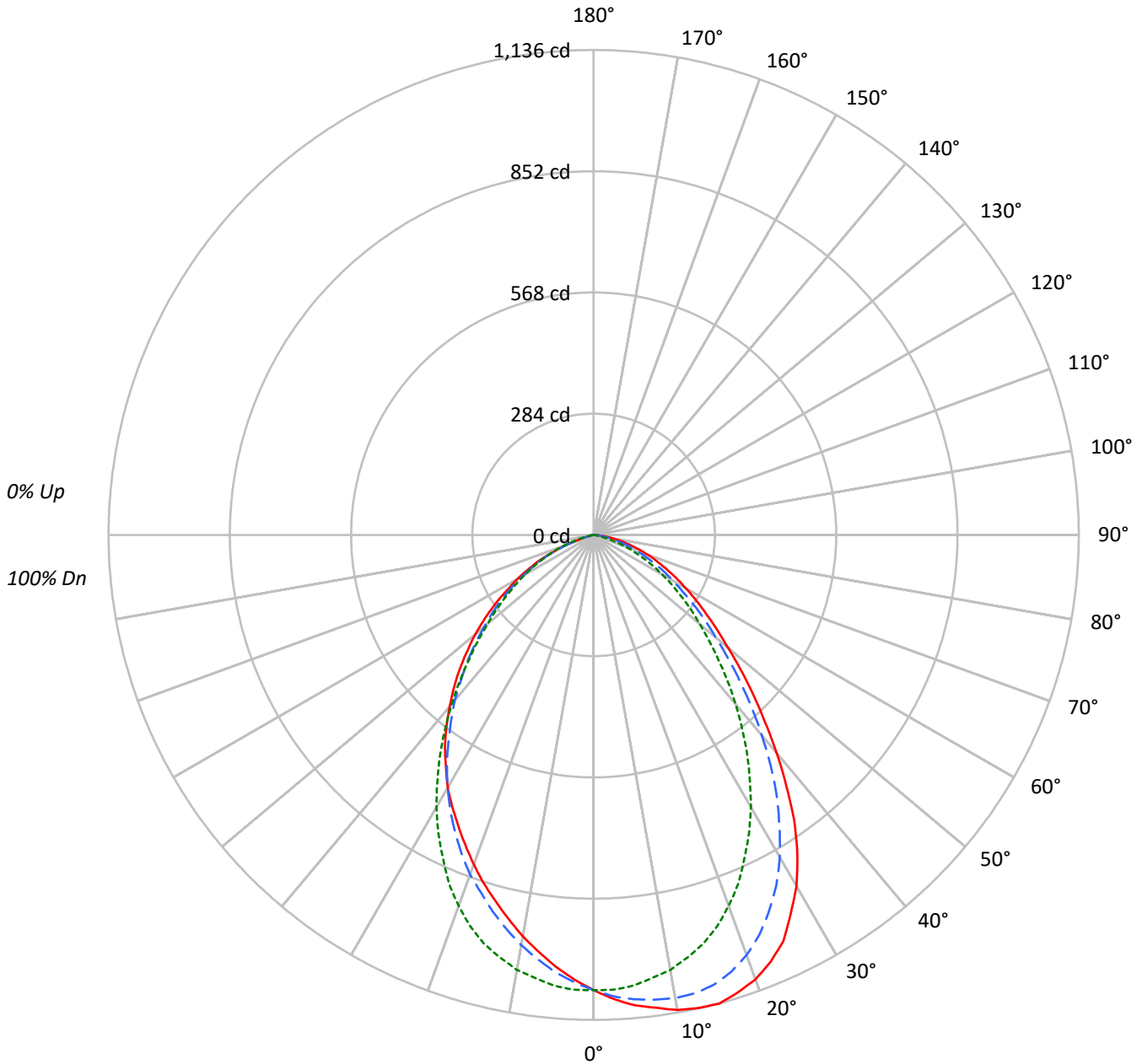
Lumens per Lamp: N/A
Luminaire Lumens: 1986.1 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (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: P584215
CATALOG NUMBER: HCC8S25D010MW-HM82555935-81WWBB

Luminous Intensity Polar Plot



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



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CATALOG NUMBER: HCC8S25D010MW-HM82555935-81WWBB

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 | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | | | | | | | |
| 2 | 103 | 96 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 77 | | | | | | | | |
| 3 | 95 | 86 | 79 | 74 | 93 | 85 | 78 | 73 | 82 | 76 | 72 | 79 | 74 | 71 | 77 | 73 | 69 | 67 | | | | | | | | |
| 4 | 88 | 78 | 70 | 64 | 86 | 76 | 69 | 64 | 74 | 68 | 63 | 72 | 66 | 62 | 70 | 65 | 61 | 59 | | | | | | | | |
| 5 | 82 | 70 | 63 | 57 | 80 | 69 | 62 | 56 | 67 | 61 | 56 | 65 | 60 | 55 | 64 | 59 | 55 | 53 | | | | | | | | |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 50 | 62 | 55 | 50 | 60 | 54 | 50 | 58 | 53 | 49 | 47 | | | | | | | | |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 | | | | | | | | |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 39 | | | | | | | | |
| 9 | 62 | 50 | 43 | 37 | 61 | 50 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | | | | | | | |
| 10 | 59 | 47 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 39 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 32881 | 32881 | 32881 |
| 5° | 34241 | 32808 | 31428 |
| 10° | 35383 | 32389 | 29894 |
| 15° | 36279 | 31650 | 28342 |
| 20° | 36350 | 30334 | 26935 |
| 25° | 35736 | 28414 | 25542 |
| 30° | 33823 | 26221 | 24344 |
| 35° | 30838 | 23580 | 22858 |
| 40° | 26817 | 20787 | 21109 |
| 45° | 23004 | 18002 | 19323 |
| 50° | 19650 | 15524 | 17357 |
| 55° | 17225 | 13370 | 15085 |
| 60° | 15338 | 11403 | 12686 |
| 65° | 13608 | 9303 | 10120 |
| 70° | 12072 | 6897 | 5752 |
| 75° | 10056 | 3610 | 1704 |
| 80° | 7920 | 1137 | 284 |
| 85° | 5626 | 566 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 100.5 | 5.1 |
| 10°-20° | 281.6 | 14.2 |
| 20°-30° | 398.6 | 20.1 |
| 30°-40° | 417.0 | 21.0 |
| 40°-50° | 347.8 | 17.5 |
| 50°-60° | 246.6 | 12.4 |
| 60°-70° | 142.1 | 7.2 |
| 70°-80° | 45.7 | 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° | 780.7 | 39.3 |
| 0°-40° | 1197.6 | 60.3 |
| 0°-60° | 1792.1 | 90.2 |
| 0°-90° | 1986.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1986.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1066 | 1066 | 1066 | 1066 | 1066 | |
| 5° | 1106 | 1092 | 1060 | 1028 | 1015 | 106 |
| 15° | 1136 | 1090 | 991 | 913 | 888 | 320 |
| 25° | 1050 | 972 | 835 | 768 | 751 | 479 |
| 35° | 819 | 748 | 626 | 593 | 607 | 508 |
| 45° | 528 | 484 | 413 | 418 | 443 | 409 |
| 55° | 320 | 287 | 249 | 261 | 281 | 289 |
| 65° | 186 | 156 | 128 | 128 | 139 | 186 |
| 75° | 84 | 62 | 30 | 14 | 14 | 92 |
| 85° | 16 | 8 | 2 | 0 | 0 | 20 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P584215

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 |
| 2.5° | 1088.6 | 1087.0 | 1085.4 | 1087.0 | 1085.4 | 1087.0 | 1085.4 | 1085.4 | 1083.8 | 1082.2 | 1082.2 |
| 5° | 1106.2 | 1104.6 | 1104.6 | 1104.6 | 1103.0 | 1101.4 | 1101.4 | 1099.7 | 1096.5 | 1094.9 | 1091.8 |
| 7.5° | 1117.3 | 1118.9 | 1118.9 | 1118.9 | 1115.7 | 1115.7 | 1112.5 | 1109.3 | 1106.2 | 1103.0 | 1098.1 |
| 10° | 1130.0 | 1130.0 | 1128.4 | 1126.8 | 1123.6 | 1122.1 | 1120.5 | 1117.3 | 1112.5 | 1106.2 | 1101.4 |
| 12.5° | 1134.8 | 1134.8 | 1133.2 | 1130.0 | 1128.4 | 1126.8 | 1125.2 | 1120.5 | 1114.1 | 1106.2 | 1099.7 |
| 15° | 1136.4 | 1133.2 | 1131.6 | 1130.0 | 1126.8 | 1122.1 | 1122.1 | 1115.7 | 1107.7 | 1098.1 | 1090.2 |
| 17.5° | 1123.6 | 1125.2 | 1122.1 | 1118.9 | 1114.1 | 1110.9 | 1106.2 | 1101.4 | 1091.8 | 1080.6 | 1072.7 |
| 20° | 1107.7 | 1106.2 | 1104.6 | 1099.7 | 1093.3 | 1091.8 | 1087.0 | 1079.0 | 1071.1 | 1058.3 | 1047.1 |
| 22.5° | 1082.2 | 1080.6 | 1077.4 | 1074.3 | 1067.9 | 1064.6 | 1059.9 | 1050.3 | 1039.2 | 1026.5 | 1013.7 |
| 25° | 1050.3 | 1047.1 | 1042.4 | 1036.0 | 1031.2 | 1028.1 | 1021.6 | 1012.1 | 999.4 | 985.0 | 972.2 |
| 27.5° | 999.4 | 1004.1 | 1000.9 | 991.4 | 986.5 | 980.2 | 978.6 | 965.9 | 954.7 | 940.3 | 926.0 |
| 30° | 949.9 | 949.9 | 945.1 | 940.3 | 932.4 | 927.6 | 921.3 | 911.6 | 900.5 | 883.0 | 871.8 |
| 32.5° | 887.8 | 886.2 | 879.8 | 878.3 | 871.8 | 862.3 | 860.7 | 847.9 | 836.7 | 824.0 | 809.7 |
| 35° | 819.2 | 816.1 | 809.7 | 804.9 | 801.8 | 796.9 | 792.1 | 781.0 | 769.9 | 757.0 | 747.5 |
| 37.5° | 741.1 | 741.1 | 739.6 | 731.6 | 728.3 | 725.2 | 720.4 | 709.3 | 702.9 | 690.2 | 680.5 |
| 40° | 666.2 | 664.6 | 659.9 | 658.3 | 655.1 | 650.2 | 647.1 | 640.7 | 631.2 | 621.6 | 612.0 |
| 42.5° | 592.9 | 594.5 | 588.1 | 589.7 | 583.4 | 580.2 | 578.5 | 569.0 | 564.2 | 554.7 | 546.7 |
| 45° | 527.5 | 526.0 | 522.8 | 521.2 | 518.0 | 514.8 | 511.7 | 506.9 | 498.8 | 489.3 | 484.5 |
| 47.5° | 466.9 | 462.2 | 462.2 | 460.6 | 459.0 | 452.6 | 451.0 | 446.3 | 441.5 | 432.0 | 425.5 |
| 50° | 409.6 | 409.6 | 409.6 | 408.0 | 403.3 | 401.7 | 398.5 | 393.7 | 388.9 | 382.5 | 373.0 |
| 52.5° | 363.4 | 363.4 | 363.4 | 361.8 | 355.5 | 353.8 | 352.2 | 345.8 | 339.5 | 334.7 | 328.4 |
| 55° | 320.4 | 322.0 | 320.4 | 317.1 | 312.4 | 312.4 | 307.6 | 304.4 | 298.0 | 293.3 | 286.9 |
| 57.5° | 283.7 | 283.7 | 280.6 | 278.9 | 275.7 | 274.1 | 270.9 | 267.7 | 259.8 | 255.0 | 247.1 |
| 60° | 248.7 | 247.1 | 247.1 | 243.9 | 240.6 | 237.4 | 235.9 | 231.1 | 227.9 | 220.0 | 213.6 |
| 62.5° | 216.8 | 216.8 | 213.6 | 213.6 | 207.2 | 207.2 | 205.7 | 200.8 | 196.0 | 188.1 | 184.9 |
| 65° | 186.5 | 186.5 | 184.9 | 183.3 | 178.5 | 176.9 | 175.4 | 170.6 | 165.7 | 160.9 | 156.2 |
| 67.5° | 159.4 | 159.4 | 156.2 | 154.6 | 151.4 | 149.8 | 146.6 | 143.5 | 138.7 | 133.9 | 129.1 |
| 70° | 133.9 | 132.3 | 130.6 | 129.1 | 125.9 | 124.3 | 121.1 | 117.9 | 113.2 | 110.0 | 105.2 |
| 72.5° | 108.4 | 108.4 | 106.8 | 103.6 | 102.0 | 100.4 | 98.9 | 95.7 | 90.8 | 86.0 | 82.9 |
| 75° | 84.4 | 84.4 | 84.4 | 81.3 | 78.1 | 76.5 | 76.5 | 73.3 | 70.1 | 65.4 | 62.2 |
| 77.5° | 65.4 | 63.8 | 62.2 | 62.2 | 59.0 | 57.4 | 55.7 | 54.1 | 49.4 | 47.8 | 44.6 |
| 80° | 44.6 | 46.2 | 44.6 | 43.0 | 41.4 | 39.8 | 39.8 | 36.7 | 35.1 | 31.9 | 28.7 |
| 82.5° | 30.3 | 28.7 | 28.7 | 27.1 | 27.1 | 25.5 | 25.5 | 22.4 | 20.8 | 19.2 | 17.5 |
| 85° | 15.9 | 15.9 | 14.3 | 14.3 | 14.3 | 12.7 | 12.7 | 11.1 | 11.1 | 9.5 | 7.9 |
| 87.5° | 4.8 | 4.8 | 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° | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 |
| 2.5° | 1080.6 | 1077.4 | 1075.9 | 1075.9 | 1074.3 | 1072.7 | 1071.1 | 1069.5 | 1066.3 | 1066.3 | 1063.0 |
| 5° | 1088.6 | 1085.4 | 1083.8 | 1079.0 | 1075.9 | 1075.9 | 1069.5 | 1067.9 | 1063.0 | 1059.9 | 1056.7 |
| 7.5° | 1094.9 | 1088.6 | 1083.8 | 1079.0 | 1075.9 | 1072.7 | 1066.3 | 1059.9 | 1053.5 | 1047.1 | 1044.0 |
| 10° | 1094.9 | 1088.6 | 1080.6 | 1072.7 | 1069.5 | 1066.3 | 1058.3 | 1048.7 | 1040.8 | 1034.4 | 1026.5 |
| 12.5° | 1091.8 | 1082.2 | 1072.7 | 1066.3 | 1059.9 | 1055.1 | 1045.6 | 1036.0 | 1026.5 | 1013.7 | 1007.3 |
| 15° | 1082.2 | 1069.5 | 1059.9 | 1048.7 | 1044.0 | 1036.0 | 1028.1 | 1013.7 | 1002.5 | 991.4 | 983.4 |
| 17.5° | 1063.0 | 1047.1 | 1036.0 | 1024.8 | 1016.8 | 1012.1 | 999.4 | 986.5 | 973.8 | 961.1 | 951.6 |
| 20° | 1034.4 | 1020.0 | 1007.3 | 993.0 | 986.5 | 980.2 | 964.3 | 951.6 | 938.8 | 924.4 | 914.8 |
| 22.5° | 999.4 | 985.0 | 967.5 | 956.3 | 946.7 | 938.8 | 924.4 | 910.0 | 897.3 | 884.6 | 871.8 |
| 25° | 956.3 | 941.9 | 926.0 | 908.5 | 902.1 | 894.1 | 878.3 | 863.8 | 849.5 | 835.1 | 824.0 |
| 27.5° | 910.0 | 891.0 | 878.3 | 859.1 | 852.7 | 844.8 | 827.2 | 811.3 | 798.5 | 787.3 | 774.6 |
| 30° | 854.3 | 840.0 | 822.4 | 804.9 | 798.5 | 790.5 | 776.2 | 761.8 | 749.1 | 736.4 | 723.6 |
| 32.5° | 793.7 | 779.4 | 761.8 | 749.1 | 739.6 | 733.2 | 718.8 | 706.1 | 693.4 | 680.5 | 669.4 |
| 35° | 730.0 | 714.0 | 701.3 | 688.5 | 680.5 | 672.6 | 658.3 | 647.1 | 637.5 | 626.4 | 615.2 |
| 37.5° | 664.6 | 653.4 | 640.7 | 626.4 | 618.5 | 612.0 | 600.9 | 588.1 | 580.2 | 570.6 | 562.6 |
| 40° | 600.9 | 588.1 | 576.9 | 564.2 | 557.8 | 553.1 | 542.0 | 532.3 | 524.4 | 516.4 | 511.7 |
| 42.5° | 535.5 | 524.4 | 513.2 | 505.3 | 500.4 | 495.7 | 487.7 | 476.6 | 471.8 | 463.8 | 459.0 |
| 45° | 475.0 | 465.4 | 457.4 | 446.3 | 443.1 | 439.9 | 430.4 | 422.3 | 417.6 | 412.8 | 409.6 |
| 47.5° | 417.6 | 411.2 | 401.7 | 395.3 | 390.4 | 387.3 | 380.9 | 374.5 | 369.8 | 366.6 | 363.4 |
| 50° | 368.2 | 360.2 | 353.8 | 347.4 | 344.2 | 339.5 | 333.1 | 329.9 | 326.8 | 323.6 | 323.6 |
| 52.5° | 322.0 | 313.9 | 307.6 | 302.8 | 299.6 | 296.5 | 291.7 | 290.1 | 286.9 | 286.9 | 285.3 |
| 55° | 278.9 | 274.1 | 267.7 | 261.4 | 259.8 | 258.2 | 255.0 | 251.9 | 250.3 | 248.7 | 250.3 |
| 57.5° | 242.2 | 237.4 | 231.1 | 226.3 | 224.7 | 223.1 | 221.5 | 218.4 | 216.8 | 216.8 | 216.8 |
| 60° | 208.8 | 204.0 | 199.2 | 194.4 | 194.4 | 191.2 | 189.7 | 188.1 | 186.5 | 184.9 | 184.9 |
| 62.5° | 178.5 | 173.8 | 169.0 | 165.7 | 164.1 | 162.5 | 159.4 | 157.8 | 156.2 | 156.2 | 154.6 |
| 65° | 151.4 | 145.1 | 143.5 | 138.7 | 137.1 | 135.5 | 133.9 | 130.6 | 129.1 | 127.5 | 125.9 |
| 67.5° | 124.3 | 121.1 | 116.3 | 113.2 | 111.6 | 110.0 | 108.4 | 105.2 | 103.6 | 102.0 | 98.9 |
| 70° | 100.4 | 97.3 | 94.1 | 90.8 | 89.2 | 87.6 | 84.4 | 81.3 | 79.7 | 76.5 | 71.7 |
| 72.5° | 78.1 | 74.9 | 71.7 | 68.6 | 67.0 | 65.4 | 62.2 | 59.0 | 55.7 | 52.6 | 49.4 |
| 75° | 59.0 | 55.7 | 51.0 | 47.8 | 46.2 | 46.2 | 41.4 | 38.2 | 35.1 | 30.3 | 27.1 |
| 77.5° | 41.4 | 36.7 | 35.1 | 31.9 | 30.3 | 27.1 | 23.9 | 20.8 | 17.5 | 15.9 | 12.7 |
| 80° | 27.1 | 23.9 | 20.8 | 19.2 | 17.5 | 15.9 | 14.3 | 11.1 | 7.9 | 6.4 | 4.8 |
| 82.5° | 15.9 | 14.3 | 12.7 | 11.1 | 9.5 | 7.9 | 6.4 | 6.4 | 4.8 | 3.2 | 1.6 |
| 85° | 7.9 | 6.4 | 4.8 | 4.8 | 3.2 | 3.2 | 3.2 | 1.6 | 1.6 | 1.6 | 1.6 |
| 87.5° | 3.2 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 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° | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 |
| 2.5° | 1061.5 | 1059.9 | 1058.3 | 1056.7 | 1056.7 | 1053.5 | 1053.5 | 1051.9 | 1048.7 | 1047.1 | 1047.1 |
| 5° | 1051.9 | 1047.1 | 1044.0 | 1042.4 | 1040.8 | 1036.0 | 1034.4 | 1031.2 | 1028.1 | 1024.8 | 1023.2 |
| 7.5° | 1037.6 | 1029.7 | 1026.5 | 1024.8 | 1020.0 | 1015.3 | 1012.1 | 1007.3 | 1002.5 | 997.8 | 996.2 |
| 10° | 1020.0 | 1012.1 | 1004.1 | 1000.9 | 996.2 | 993.0 | 986.5 | 980.2 | 975.4 | 970.6 | 965.9 |
| 12.5° | 997.8 | 988.1 | 980.2 | 977.0 | 972.2 | 965.9 | 956.3 | 953.2 | 945.1 | 941.9 | 935.6 |
| 15° | 972.2 | 961.1 | 953.2 | 948.3 | 943.5 | 934.0 | 927.6 | 921.3 | 913.2 | 910.0 | 903.7 |
| 17.5° | 940.3 | 927.6 | 919.7 | 914.8 | 911.6 | 903.7 | 894.1 | 886.2 | 878.3 | 875.0 | 870.2 |
| 20° | 902.1 | 894.1 | 883.0 | 878.3 | 875.0 | 865.4 | 855.9 | 852.7 | 846.4 | 840.0 | 835.1 |
| 22.5° | 859.1 | 851.1 | 840.0 | 835.1 | 833.5 | 825.6 | 817.6 | 812.9 | 808.1 | 803.2 | 798.5 |
| 25° | 814.5 | 804.9 | 795.3 | 792.1 | 788.9 | 782.6 | 776.2 | 773.0 | 768.3 | 765.1 | 761.8 |
| 27.5° | 766.7 | 757.0 | 749.1 | 744.3 | 741.1 | 736.4 | 733.2 | 730.0 | 726.7 | 723.6 | 722.0 |
| 30° | 715.6 | 706.1 | 699.7 | 696.5 | 693.4 | 691.8 | 686.9 | 685.3 | 683.7 | 680.5 | 682.1 |
| 32.5° | 664.6 | 656.7 | 650.2 | 645.5 | 645.5 | 642.3 | 640.7 | 640.7 | 639.1 | 639.1 | 639.1 |
| 35° | 608.8 | 604.0 | 599.3 | 597.7 | 596.1 | 594.5 | 592.9 | 594.5 | 592.9 | 594.5 | 596.1 |
| 37.5° | 557.8 | 553.1 | 549.9 | 548.3 | 546.7 | 548.3 | 546.7 | 546.7 | 548.3 | 551.5 | 553.1 |
| 40° | 505.3 | 502.0 | 498.8 | 500.4 | 498.8 | 498.8 | 498.8 | 503.6 | 505.3 | 506.9 | 508.5 |
| 42.5° | 455.8 | 452.6 | 451.0 | 451.0 | 452.6 | 451.0 | 454.2 | 455.8 | 459.0 | 463.8 | 466.9 |
| 45° | 408.0 | 406.4 | 406.4 | 408.0 | 406.4 | 409.6 | 409.6 | 412.8 | 417.6 | 420.7 | 423.9 |
| 47.5° | 363.4 | 363.4 | 363.4 | 365.0 | 365.0 | 366.6 | 369.8 | 371.4 | 374.5 | 377.7 | 380.9 |
| 50° | 322.0 | 323.6 | 325.2 | 325.2 | 325.2 | 328.4 | 331.5 | 333.1 | 334.7 | 336.3 | 341.1 |
| 52.5° | 285.3 | 286.9 | 286.9 | 288.5 | 290.1 | 291.7 | 293.3 | 296.5 | 298.0 | 301.2 | 302.8 |
| 55° | 250.3 | 250.3 | 253.4 | 255.0 | 255.0 | 255.0 | 258.2 | 258.2 | 261.4 | 263.0 | 266.2 |
| 57.5° | 216.8 | 218.4 | 218.4 | 220.0 | 220.0 | 221.5 | 223.1 | 224.7 | 226.3 | 227.9 | 229.5 |
| 60° | 184.9 | 184.9 | 184.9 | 186.5 | 188.1 | 189.7 | 188.1 | 191.2 | 191.2 | 194.4 | 196.0 |
| 62.5° | 154.6 | 156.2 | 156.2 | 156.2 | 156.2 | 156.2 | 156.2 | 157.8 | 159.4 | 160.9 | 162.5 |
| 65° | 125.9 | 125.9 | 125.9 | 124.3 | 125.9 | 124.3 | 125.9 | 127.5 | 127.5 | 129.1 | 130.6 |
| 67.5° | 97.3 | 97.3 | 94.1 | 94.1 | 95.7 | 95.7 | 95.7 | 95.7 | 94.1 | 97.3 | 97.3 |
| 70° | 70.1 | 68.6 | 67.0 | 65.4 | 65.4 | 63.8 | 63.8 | 62.2 | 62.2 | 62.2 | 62.2 |
| 72.5° | 46.2 | 43.0 | 39.8 | 38.2 | 36.7 | 36.7 | 33.5 | 31.9 | 33.5 | 33.5 | 33.5 |
| 75° | 23.9 | 20.8 | 19.2 | 17.5 | 15.9 | 15.9 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 |
| 77.5° | 9.5 | 7.9 | 6.4 | 6.4 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 80° | 3.2 | 3.2 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 82.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 85° | 1.6 | 0.0 | 0.0 | 1.6 | 0.0 | 1.6 | 1.6 | 1.6 | 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 |



TEST NUMBER: P584215

CATALOG NUMBER: HCC8S25D010MW-HM82555935-81WWBB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 | 1066.3 |
| 2.5° | 1045.6 | 1045.6 | 1044.0 | 1045.6 | 1042.4 | 1044.0 | 1042.4 | 1042.4 |
| 5° | 1021.6 | 1018.4 | 1018.4 | 1018.4 | 1016.8 | 1016.8 | 1015.3 | 1015.3 |
| 7.5° | 993.0 | 991.4 | 989.8 | 988.1 | 986.5 | 985.0 | 985.0 | 985.0 |
| 10° | 964.3 | 961.1 | 961.1 | 959.5 | 956.3 | 954.7 | 954.7 | 954.7 |
| 12.5° | 930.8 | 929.2 | 927.6 | 927.6 | 921.3 | 922.9 | 921.3 | 921.3 |
| 15° | 898.9 | 897.3 | 897.3 | 892.6 | 889.4 | 889.4 | 889.4 | 887.8 |
| 17.5° | 865.4 | 863.8 | 862.3 | 859.1 | 855.9 | 855.9 | 854.3 | 855.9 |
| 20° | 830.4 | 828.8 | 825.6 | 825.6 | 824.0 | 822.4 | 819.2 | 820.8 |
| 22.5° | 795.3 | 792.1 | 790.5 | 790.5 | 788.9 | 788.9 | 785.8 | 785.8 |
| 25° | 758.6 | 757.0 | 755.5 | 757.0 | 753.9 | 753.9 | 750.7 | 750.7 |
| 27.5° | 720.4 | 718.8 | 718.8 | 718.8 | 717.2 | 718.8 | 717.2 | 717.2 |
| 30° | 682.1 | 682.1 | 680.5 | 680.5 | 682.1 | 680.5 | 682.1 | 683.7 |
| 32.5° | 640.7 | 640.7 | 642.3 | 642.3 | 643.9 | 643.9 | 643.9 | 643.9 |
| 35° | 597.7 | 600.9 | 600.9 | 602.5 | 604.0 | 605.6 | 605.6 | 607.2 |
| 37.5° | 557.8 | 559.4 | 561.0 | 562.6 | 565.8 | 565.8 | 565.8 | 565.8 |
| 40° | 514.8 | 516.4 | 519.6 | 518.0 | 524.4 | 526.0 | 524.4 | 524.4 |
| 42.5° | 470.2 | 473.4 | 475.0 | 478.2 | 479.8 | 482.9 | 484.5 | 484.5 |
| 45° | 428.7 | 430.4 | 433.6 | 436.7 | 438.3 | 443.1 | 443.1 | 443.1 |
| 47.5° | 385.7 | 388.9 | 390.4 | 393.7 | 395.3 | 400.1 | 401.7 | 400.1 |
| 50° | 344.2 | 347.4 | 350.6 | 350.6 | 355.5 | 357.1 | 360.2 | 361.8 |
| 52.5° | 304.4 | 306.0 | 309.2 | 310.8 | 313.9 | 317.1 | 318.8 | 320.4 |
| 55° | 266.2 | 267.7 | 270.9 | 270.9 | 275.7 | 277.3 | 280.6 | 280.6 |
| 57.5° | 231.1 | 232.7 | 235.9 | 234.3 | 237.4 | 240.6 | 240.6 | 239.0 |
| 60° | 197.6 | 197.6 | 197.6 | 200.8 | 202.4 | 204.0 | 205.7 | 205.7 |
| 62.5° | 162.5 | 165.7 | 167.3 | 167.3 | 169.0 | 170.6 | 170.6 | 169.0 |
| 65° | 130.6 | 133.9 | 135.5 | 135.5 | 137.1 | 137.1 | 137.1 | 138.7 |
| 67.5° | 98.9 | 98.9 | 98.9 | 100.4 | 98.9 | 98.9 | 98.9 | 98.9 |
| 70° | 62.2 | 62.2 | 62.2 | 62.2 | 60.6 | 62.2 | 62.2 | 63.8 |
| 72.5° | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 75° | 14.3 | 14.3 | 14.3 | 15.9 | 14.3 | 14.3 | 14.3 | 14.3 |
| 77.5° | 6.4 | 4.8 | 6.4 | 6.4 | 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° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 85° | 0.0 | 1.6 | 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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— 0°-180° - - 45°-225° - - - - 90°-270°

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(END OF REPORT)