

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: P584113

Luminaire Tested: **HCC8S25D010MB-HM82555827-81WWBB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584113
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: HCC8S25D010MB-HM82555827-81WWBB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

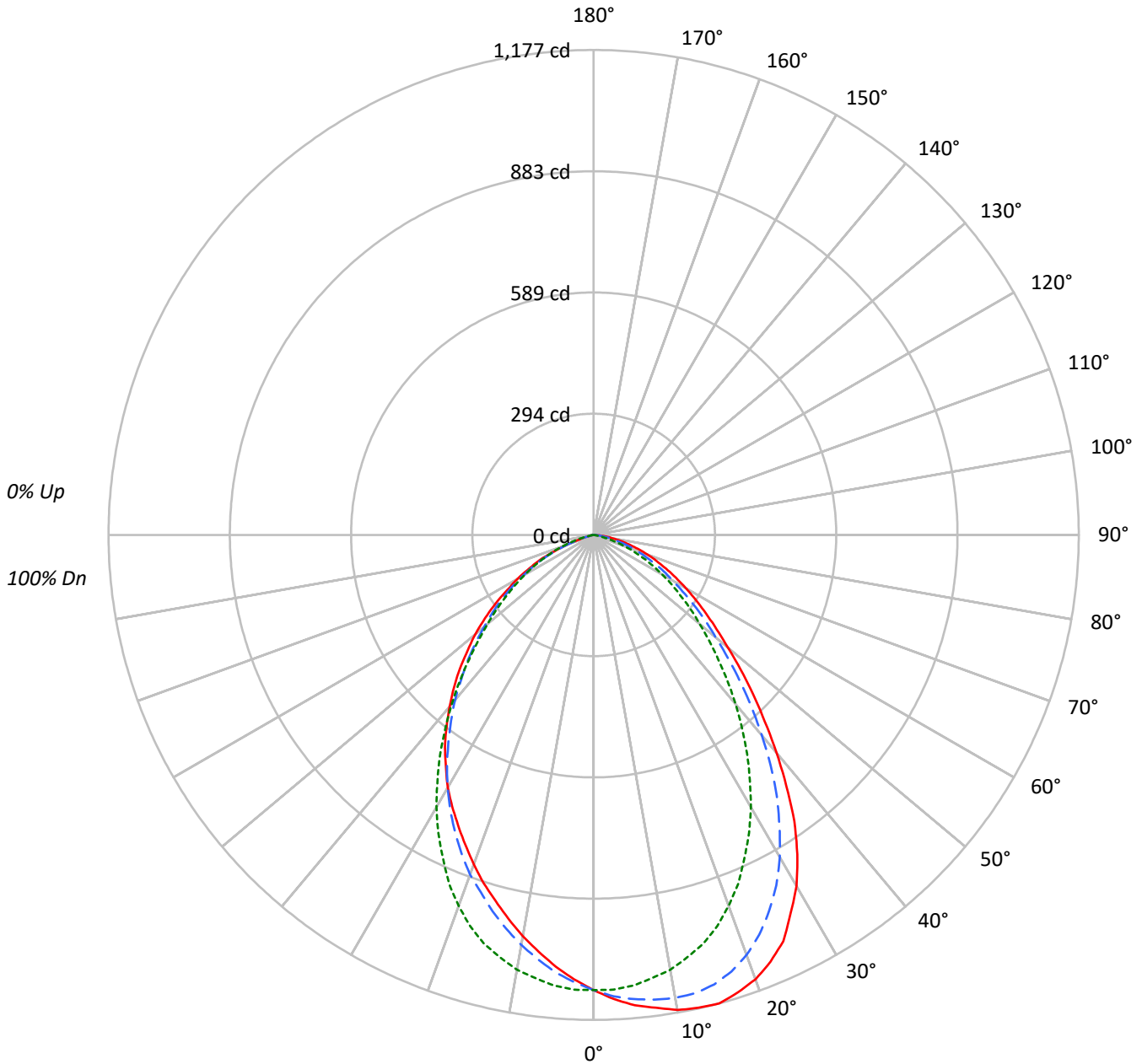
Lumens per Lamp: N/A
Luminaire Lumens: 2057.5 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P584113
CATALOG NUMBER: HCC8S25D010MB-HM82555827-81WWBB

Luminous Intensity Polar Plot



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CATALOG NUMBER: HCC8S25D010MB-HM82555827-81WWBB

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 | 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° | 34062 | 34062 | 34062 |
| 5° | 35470 | 33988 | 32558 |
| 10° | 36657 | 33554 | 30968 |
| 15° | 37581 | 32786 | 29361 |
| 20° | 37659 | 31424 | 27903 |
| 25° | 37022 | 29438 | 26461 |
| 30° | 35041 | 27161 | 25220 |
| 35° | 31949 | 24424 | 23682 |
| 40° | 27783 | 21536 | 21866 |
| 45° | 23837 | 18652 | 20017 |
| 50° | 20360 | 16076 | 17980 |
| 55° | 17843 | 13844 | 15623 |
| 60° | 15881 | 11810 | 13136 |
| 65° | 14090 | 9631 | 10478 |
| 70° | 12505 | 7150 | 5951 |
| 75° | 10425 | 3741 | 1775 |
| 80° | 8204 | 1172 | 284 |
| 85° | 5838 | 566 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 104.1 | 5.1 |
| 10°-20° | 291.7 | 14.2 |
| 20°-30° | 412.9 | 20.1 |
| 30°-40° | 432.0 | 21.0 |
| 40°-50° | 360.3 | 17.5 |
| 50°-60° | 255.5 | 12.4 |
| 60°-70° | 147.2 | 7.2 |
| 70°-80° | 47.3 | 2.3 |
| 80°-90° | 6.5 | 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° | 808.7 | 39.3 |
| 0°-40° | 1240.7 | 60.3 |
| 0°-60° | 1856.5 | 90.2 |
| 0°-90° | 2057.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2057.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1105 | 1105 | 1105 | 1105 | 1105 | |
| 5° | 1146 | 1131 | 1098 | 1065 | 1052 | 110 |
| 15° | 1177 | 1129 | 1027 | 946 | 920 | 331 |
| 25° | 1088 | 1007 | 865 | 796 | 778 | 497 |
| 35° | 849 | 774 | 649 | 614 | 629 | 526 |
| 45° | 547 | 502 | 428 | 433 | 459 | 424 |
| 55° | 332 | 297 | 258 | 271 | 291 | 300 |
| 65° | 193 | 162 | 132 | 132 | 144 | 193 |
| 75° | 88 | 64 | 31 | 15 | 15 | 95 |
| 85° | 16 | 8 | 2 | 0 | 0 | 21 |
| 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° | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 |
| 2.5° | 1127.7 | 1126.1 | 1124.4 | 1126.1 | 1124.4 | 1126.1 | 1124.4 | 1124.4 | 1122.8 | 1121.1 | 1121.1 |
| 5° | 1145.9 | 1144.3 | 1144.3 | 1144.3 | 1142.5 | 1140.9 | 1140.9 | 1139.2 | 1136.0 | 1134.3 | 1131.0 |
| 7.5° | 1157.4 | 1159.1 | 1159.1 | 1159.1 | 1155.8 | 1155.8 | 1152.5 | 1149.2 | 1145.9 | 1142.5 | 1137.6 |
| 10° | 1170.7 | 1170.7 | 1169.0 | 1167.4 | 1164.1 | 1162.3 | 1160.7 | 1157.4 | 1152.5 | 1145.9 | 1140.9 |
| 12.5° | 1175.6 | 1175.6 | 1173.9 | 1170.7 | 1169.0 | 1167.4 | 1165.7 | 1160.7 | 1154.1 | 1145.9 | 1139.2 |
| 15° | 1177.2 | 1173.9 | 1172.3 | 1170.7 | 1167.4 | 1162.3 | 1162.3 | 1155.8 | 1147.6 | 1137.6 | 1129.4 |
| 17.5° | 1164.1 | 1165.7 | 1162.3 | 1159.1 | 1154.1 | 1150.8 | 1145.9 | 1140.9 | 1131.0 | 1119.4 | 1111.2 |
| 20° | 1147.6 | 1145.9 | 1144.3 | 1139.2 | 1132.7 | 1131.0 | 1126.1 | 1117.8 | 1109.6 | 1096.3 | 1084.8 |
| 22.5° | 1121.1 | 1119.4 | 1116.1 | 1112.8 | 1106.3 | 1103.0 | 1098.0 | 1088.1 | 1076.5 | 1063.4 | 1050.1 |
| 25° | 1088.1 | 1084.8 | 1079.8 | 1073.2 | 1068.3 | 1065.0 | 1058.3 | 1048.5 | 1035.2 | 1020.4 | 1007.2 |
| 27.5° | 1035.2 | 1040.3 | 1036.9 | 1027.0 | 1022.1 | 1015.4 | 1013.8 | 1000.6 | 989.0 | 974.1 | 959.3 |
| 30° | 984.1 | 984.1 | 979.2 | 974.1 | 965.9 | 961.0 | 954.3 | 944.5 | 932.8 | 914.7 | 903.2 |
| 32.5° | 919.7 | 918.1 | 911.4 | 909.7 | 903.2 | 893.2 | 891.6 | 878.4 | 866.8 | 853.6 | 838.8 |
| 35° | 848.7 | 845.4 | 838.8 | 833.9 | 830.5 | 825.5 | 820.6 | 809.0 | 797.5 | 784.3 | 774.4 |
| 37.5° | 767.7 | 767.7 | 766.1 | 757.9 | 754.6 | 751.2 | 746.3 | 734.8 | 728.1 | 715.0 | 705.0 |
| 40° | 690.2 | 688.5 | 683.5 | 681.9 | 678.6 | 673.7 | 670.4 | 663.7 | 653.9 | 643.9 | 634.0 |
| 42.5° | 614.2 | 615.9 | 609.3 | 610.9 | 604.3 | 601.0 | 599.3 | 589.5 | 584.5 | 574.6 | 566.4 |
| 45° | 546.6 | 544.8 | 541.5 | 539.9 | 536.6 | 533.3 | 530.0 | 525.0 | 516.8 | 506.9 | 501.9 |
| 47.5° | 483.7 | 478.8 | 478.8 | 477.2 | 475.5 | 468.9 | 467.3 | 462.3 | 457.3 | 447.5 | 440.8 |
| 50° | 424.4 | 424.4 | 424.4 | 422.6 | 417.7 | 416.1 | 412.8 | 407.8 | 402.9 | 396.2 | 386.4 |
| 52.5° | 376.4 | 376.4 | 376.4 | 374.8 | 368.2 | 366.6 | 364.9 | 358.3 | 351.7 | 346.8 | 340.2 |
| 55° | 331.9 | 333.5 | 331.9 | 328.6 | 323.6 | 323.6 | 318.6 | 315.3 | 308.8 | 303.8 | 297.2 |
| 57.5° | 293.9 | 293.9 | 290.6 | 288.9 | 285.7 | 284.0 | 280.7 | 277.3 | 269.1 | 264.2 | 255.9 |
| 60° | 257.5 | 255.9 | 255.9 | 252.6 | 249.3 | 246.0 | 244.4 | 239.4 | 236.1 | 227.8 | 221.3 |
| 62.5° | 224.6 | 224.6 | 221.3 | 221.3 | 214.6 | 214.6 | 213.0 | 208.0 | 203.1 | 194.8 | 191.5 |
| 65° | 193.1 | 193.1 | 191.5 | 189.9 | 184.9 | 183.3 | 181.6 | 176.7 | 171.7 | 166.8 | 161.8 |
| 67.5° | 165.1 | 165.1 | 161.8 | 160.2 | 156.9 | 155.3 | 151.9 | 148.6 | 143.6 | 138.7 | 133.8 |
| 70° | 138.7 | 137.1 | 135.4 | 133.8 | 130.4 | 128.8 | 125.5 | 122.2 | 117.3 | 114.0 | 108.9 |
| 72.5° | 112.2 | 112.2 | 110.6 | 107.3 | 105.7 | 104.0 | 102.4 | 99.1 | 94.2 | 89.1 | 85.8 |
| 75° | 87.5 | 87.5 | 87.5 | 84.2 | 80.9 | 79.3 | 79.3 | 76.0 | 72.7 | 67.7 | 64.4 |
| 77.5° | 67.7 | 66.0 | 64.4 | 64.4 | 61.1 | 59.5 | 57.8 | 56.2 | 51.1 | 49.5 | 46.2 |
| 80° | 46.2 | 47.8 | 46.2 | 44.6 | 42.9 | 41.3 | 41.3 | 38.0 | 36.3 | 33.1 | 29.7 |
| 82.5° | 31.4 | 29.7 | 29.7 | 28.0 | 28.0 | 26.4 | 26.4 | 23.1 | 21.5 | 19.8 | 18.2 |
| 85° | 16.5 | 16.5 | 14.9 | 14.9 | 14.9 | 13.2 | 13.2 | 11.6 | 11.6 | 10.0 | 8.2 |
| 87.5° | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 3.3 | 3.3 | 3.3 |
| 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° | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 |
| 2.5° | 1119.4 | 1116.1 | 1114.5 | 1114.5 | 1112.8 | 1111.2 | 1109.6 | 1107.9 | 1104.6 | 1104.6 | 1101.2 |
| 5° | 1127.7 | 1124.4 | 1122.8 | 1117.8 | 1114.5 | 1114.5 | 1107.9 | 1106.3 | 1101.2 | 1098.0 | 1094.7 |
| 7.5° | 1134.3 | 1127.7 | 1122.8 | 1117.8 | 1114.5 | 1111.2 | 1104.6 | 1098.0 | 1091.4 | 1084.8 | 1081.4 |
| 10° | 1134.3 | 1127.7 | 1119.4 | 1111.2 | 1107.9 | 1104.6 | 1096.3 | 1086.5 | 1078.1 | 1071.6 | 1063.4 |
| 12.5° | 1131.0 | 1121.1 | 1111.2 | 1104.6 | 1098.0 | 1093.0 | 1083.2 | 1073.2 | 1063.4 | 1050.1 | 1043.5 |
| 15° | 1121.1 | 1107.9 | 1098.0 | 1086.5 | 1081.4 | 1073.2 | 1065.0 | 1050.1 | 1038.5 | 1027.0 | 1018.7 |
| 17.5° | 1101.2 | 1084.8 | 1073.2 | 1061.7 | 1053.4 | 1048.5 | 1035.2 | 1022.1 | 1008.8 | 995.6 | 985.7 |
| 20° | 1071.6 | 1056.7 | 1043.5 | 1028.6 | 1022.1 | 1015.4 | 999.0 | 985.7 | 972.5 | 957.6 | 947.7 |
| 22.5° | 1035.2 | 1020.4 | 1002.3 | 990.7 | 980.8 | 972.5 | 957.6 | 942.8 | 929.6 | 916.3 | 903.2 |
| 25° | 990.7 | 975.8 | 959.3 | 941.2 | 934.5 | 926.3 | 909.7 | 894.9 | 880.1 | 865.2 | 853.6 |
| 27.5° | 942.8 | 923.0 | 909.7 | 889.9 | 883.4 | 875.0 | 857.0 | 840.4 | 827.2 | 815.7 | 802.4 |
| 30° | 885.0 | 870.1 | 851.9 | 833.9 | 827.2 | 819.0 | 804.1 | 789.2 | 776.1 | 762.8 | 749.6 |
| 32.5° | 822.3 | 807.4 | 789.2 | 776.1 | 766.1 | 759.5 | 744.6 | 731.5 | 718.2 | 705.0 | 693.5 |
| 35° | 756.2 | 739.7 | 726.5 | 713.3 | 705.0 | 696.8 | 681.9 | 670.4 | 660.4 | 648.8 | 637.3 |
| 37.5° | 688.5 | 677.0 | 663.7 | 648.8 | 640.6 | 634.0 | 622.4 | 609.3 | 601.0 | 591.1 | 582.8 |
| 40° | 622.4 | 609.3 | 597.7 | 584.5 | 577.9 | 573.0 | 561.4 | 551.5 | 543.2 | 535.0 | 530.0 |
| 42.5° | 554.8 | 543.2 | 531.7 | 523.4 | 518.4 | 513.5 | 505.3 | 493.7 | 488.8 | 480.4 | 475.5 |
| 45° | 492.0 | 482.1 | 473.9 | 462.3 | 459.0 | 455.7 | 445.8 | 437.5 | 432.6 | 427.7 | 424.4 |
| 47.5° | 432.6 | 426.0 | 416.1 | 409.5 | 404.6 | 401.2 | 394.6 | 388.0 | 383.1 | 379.7 | 376.4 |
| 50° | 381.5 | 373.1 | 366.6 | 359.9 | 356.6 | 351.7 | 345.1 | 341.8 | 338.4 | 335.1 | 335.1 |
| 52.5° | 333.5 | 325.3 | 318.6 | 313.7 | 310.4 | 307.1 | 302.2 | 300.5 | 297.2 | 297.2 | 295.5 |
| 55° | 288.9 | 284.0 | 277.3 | 270.8 | 269.1 | 267.5 | 264.2 | 260.9 | 259.3 | 257.5 | 259.3 |
| 57.5° | 251.0 | 246.0 | 239.4 | 234.4 | 232.8 | 231.1 | 229.5 | 226.2 | 224.6 | 224.6 | 224.6 |
| 60° | 216.2 | 211.3 | 206.4 | 201.5 | 201.5 | 198.2 | 196.5 | 194.8 | 193.1 | 191.5 | 191.5 |
| 62.5° | 184.9 | 180.0 | 175.1 | 171.7 | 170.0 | 168.4 | 165.1 | 163.5 | 161.8 | 161.8 | 160.2 |
| 65° | 156.9 | 150.2 | 148.6 | 143.6 | 142.0 | 140.4 | 138.7 | 135.4 | 133.8 | 132.0 | 130.4 |
| 67.5° | 128.8 | 125.5 | 120.5 | 117.3 | 115.6 | 114.0 | 112.2 | 108.9 | 107.3 | 105.7 | 102.4 |
| 70° | 104.0 | 100.7 | 97.4 | 94.2 | 92.4 | 90.8 | 87.5 | 84.2 | 82.6 | 79.3 | 74.3 |
| 72.5° | 80.9 | 77.6 | 74.3 | 71.0 | 69.3 | 67.7 | 64.4 | 61.1 | 57.8 | 54.5 | 51.1 |
| 75° | 61.1 | 57.8 | 52.9 | 49.5 | 47.8 | 47.8 | 42.9 | 39.6 | 36.3 | 31.4 | 28.0 |
| 77.5° | 42.9 | 38.0 | 36.3 | 33.1 | 31.4 | 28.0 | 24.7 | 21.5 | 18.2 | 16.5 | 13.2 |
| 80° | 28.0 | 24.7 | 21.5 | 19.8 | 18.2 | 16.5 | 14.9 | 11.6 | 8.2 | 6.6 | 4.9 |
| 82.5° | 16.5 | 14.9 | 13.2 | 11.6 | 10.0 | 8.2 | 6.6 | 6.6 | 4.9 | 3.3 | 1.6 |
| 85° | 8.2 | 6.6 | 4.9 | 4.9 | 3.3 | 3.3 | 3.3 | 1.6 | 1.6 | 1.6 | 1.6 |
| 87.5° | 3.3 | 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° | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 |
| 2.5° | 1099.6 | 1098.0 | 1096.3 | 1094.7 | 1094.7 | 1091.4 | 1091.4 | 1089.7 | 1086.5 | 1084.8 | 1084.8 |
| 5° | 1089.7 | 1084.8 | 1081.4 | 1079.8 | 1078.1 | 1073.2 | 1071.6 | 1068.3 | 1065.0 | 1061.7 | 1060.0 |
| 7.5° | 1074.9 | 1066.6 | 1063.4 | 1061.7 | 1056.7 | 1051.8 | 1048.5 | 1043.5 | 1038.5 | 1033.6 | 1031.9 |
| 10° | 1056.7 | 1048.5 | 1040.3 | 1036.9 | 1031.9 | 1028.6 | 1022.1 | 1015.4 | 1010.5 | 1005.5 | 1000.6 |
| 12.5° | 1033.6 | 1023.7 | 1015.4 | 1012.1 | 1007.2 | 1000.6 | 990.7 | 987.4 | 979.2 | 975.8 | 969.2 |
| 15° | 1007.2 | 995.6 | 987.4 | 982.4 | 977.4 | 967.6 | 961.0 | 954.3 | 946.1 | 942.8 | 936.1 |
| 17.5° | 974.1 | 961.0 | 952.7 | 947.7 | 944.5 | 936.1 | 926.3 | 918.1 | 909.7 | 906.5 | 901.5 |
| 20° | 934.5 | 926.3 | 914.7 | 909.7 | 906.5 | 896.6 | 886.6 | 883.4 | 876.8 | 870.1 | 865.2 |
| 22.5° | 889.9 | 881.7 | 870.1 | 865.2 | 863.5 | 855.3 | 847.0 | 842.1 | 837.1 | 832.1 | 827.2 |
| 25° | 843.7 | 833.9 | 823.9 | 820.6 | 817.3 | 810.7 | 804.1 | 800.8 | 795.9 | 792.5 | 789.2 |
| 27.5° | 794.2 | 784.3 | 776.1 | 771.0 | 767.7 | 762.8 | 759.5 | 756.2 | 753.0 | 749.6 | 747.9 |
| 30° | 741.4 | 731.5 | 724.8 | 721.5 | 718.2 | 716.6 | 711.7 | 709.9 | 708.3 | 705.0 | 706.6 |
| 32.5° | 688.5 | 680.3 | 673.7 | 668.8 | 668.8 | 665.4 | 663.7 | 663.7 | 662.1 | 662.1 | 662.1 |
| 35° | 630.8 | 625.7 | 620.8 | 619.2 | 617.5 | 615.9 | 614.2 | 615.9 | 614.2 | 615.9 | 617.5 |
| 37.5° | 577.9 | 573.0 | 569.7 | 568.0 | 566.4 | 568.0 | 566.4 | 566.4 | 568.0 | 571.3 | 573.0 |
| 40° | 523.4 | 520.1 | 516.8 | 518.4 | 516.8 | 516.8 | 516.8 | 521.7 | 523.4 | 525.0 | 526.7 |
| 42.5° | 472.2 | 468.9 | 467.3 | 467.3 | 468.9 | 467.3 | 470.6 | 472.2 | 475.5 | 480.4 | 483.7 |
| 45° | 422.6 | 421.0 | 421.0 | 422.6 | 421.0 | 424.4 | 424.4 | 427.7 | 432.6 | 435.9 | 439.2 |
| 47.5° | 376.4 | 376.4 | 376.4 | 378.1 | 378.1 | 379.7 | 383.1 | 384.7 | 388.0 | 391.3 | 394.6 |
| 50° | 333.5 | 335.1 | 336.8 | 336.8 | 336.8 | 340.2 | 343.5 | 345.1 | 346.8 | 348.4 | 353.3 |
| 52.5° | 295.5 | 297.2 | 297.2 | 298.9 | 300.5 | 302.2 | 303.8 | 307.1 | 308.8 | 312.0 | 313.7 |
| 55° | 259.3 | 259.3 | 262.6 | 264.2 | 264.2 | 264.2 | 267.5 | 267.5 | 270.8 | 272.4 | 275.7 |
| 57.5° | 224.6 | 226.2 | 226.2 | 227.8 | 227.8 | 229.5 | 231.1 | 232.8 | 234.4 | 236.1 | 237.8 |
| 60° | 191.5 | 191.5 | 191.5 | 193.1 | 194.8 | 196.5 | 194.8 | 198.2 | 198.2 | 201.5 | 203.1 |
| 62.5° | 160.2 | 161.8 | 161.8 | 161.8 | 161.8 | 161.8 | 161.8 | 163.5 | 165.1 | 166.8 | 168.4 |
| 65° | 130.4 | 130.4 | 130.4 | 128.8 | 130.4 | 128.8 | 130.4 | 132.0 | 132.0 | 133.8 | 135.4 |
| 67.5° | 100.7 | 100.7 | 97.4 | 97.4 | 99.1 | 99.1 | 99.1 | 99.1 | 97.4 | 100.7 | 100.7 |
| 70° | 72.7 | 71.0 | 69.3 | 67.7 | 67.7 | 66.0 | 66.0 | 64.4 | 64.4 | 64.4 | 64.4 |
| 72.5° | 47.8 | 44.6 | 41.3 | 39.6 | 38.0 | 38.0 | 34.7 | 33.1 | 34.7 | 34.7 | 34.7 |
| 75° | 24.7 | 21.5 | 19.8 | 18.2 | 16.5 | 16.5 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 |
| 77.5° | 10.0 | 8.2 | 6.6 | 6.6 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| 80° | 3.3 | 3.3 | 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: P584113

CATALOG NUMBER: HCC8S25D010MB-HM82555827-81WWBB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 | 1104.6 |
| 2.5° | 1083.2 | 1083.2 | 1081.4 | 1083.2 | 1079.8 | 1081.4 | 1079.8 | 1079.8 |
| 5° | 1058.3 | 1055.0 | 1055.0 | 1055.0 | 1053.4 | 1053.4 | 1051.8 | 1051.8 |
| 7.5° | 1028.6 | 1027.0 | 1025.4 | 1023.7 | 1022.1 | 1020.4 | 1020.4 | 1020.4 |
| 10° | 999.0 | 995.6 | 995.6 | 993.9 | 990.7 | 989.0 | 989.0 | 989.0 |
| 12.5° | 964.3 | 962.6 | 961.0 | 961.0 | 954.3 | 956.0 | 954.3 | 954.3 |
| 15° | 931.2 | 929.6 | 929.6 | 924.6 | 921.3 | 921.3 | 921.3 | 919.7 |
| 17.5° | 896.6 | 894.9 | 893.2 | 889.9 | 886.6 | 886.6 | 885.0 | 886.6 |
| 20° | 860.3 | 858.6 | 855.3 | 855.3 | 853.6 | 851.9 | 848.7 | 850.3 |
| 22.5° | 823.9 | 820.6 | 819.0 | 819.0 | 817.3 | 817.3 | 813.9 | 813.9 |
| 25° | 785.9 | 784.3 | 782.6 | 784.3 | 781.0 | 781.0 | 777.7 | 777.7 |
| 27.5° | 746.3 | 744.6 | 744.6 | 744.6 | 743.0 | 744.6 | 743.0 | 743.0 |
| 30° | 706.6 | 706.6 | 705.0 | 705.0 | 706.6 | 705.0 | 706.6 | 708.3 |
| 32.5° | 663.7 | 663.7 | 665.4 | 665.4 | 667.0 | 667.0 | 667.0 | 667.0 |
| 35° | 619.2 | 622.4 | 622.4 | 624.1 | 625.7 | 627.4 | 627.4 | 629.1 |
| 37.5° | 577.9 | 579.5 | 581.2 | 582.8 | 586.1 | 586.1 | 586.1 | 586.1 |
| 40° | 533.3 | 535.0 | 538.2 | 536.6 | 543.2 | 544.8 | 543.2 | 543.2 |
| 42.5° | 487.1 | 490.4 | 492.0 | 495.3 | 497.0 | 500.3 | 501.9 | 501.9 |
| 45° | 444.2 | 445.8 | 449.1 | 452.4 | 454.1 | 459.0 | 459.0 | 459.0 |
| 47.5° | 399.5 | 402.9 | 404.6 | 407.8 | 409.5 | 414.4 | 416.1 | 414.4 |
| 50° | 356.6 | 359.9 | 363.3 | 363.3 | 368.2 | 369.9 | 373.1 | 374.8 |
| 52.5° | 315.3 | 317.0 | 320.4 | 322.0 | 325.3 | 328.6 | 330.2 | 331.9 |
| 55° | 275.7 | 277.3 | 280.7 | 280.7 | 285.7 | 287.3 | 290.6 | 290.6 |
| 57.5° | 239.4 | 241.1 | 244.4 | 242.7 | 246.0 | 249.3 | 249.3 | 247.7 |
| 60° | 204.7 | 204.7 | 204.7 | 208.0 | 209.7 | 211.3 | 213.0 | 213.0 |
| 62.5° | 168.4 | 171.7 | 173.3 | 173.3 | 175.1 | 176.7 | 176.7 | 175.1 |
| 65° | 135.4 | 138.7 | 140.4 | 140.4 | 142.0 | 142.0 | 142.0 | 143.6 |
| 67.5° | 102.4 | 102.4 | 102.4 | 104.0 | 102.4 | 102.4 | 102.4 | 102.4 |
| 70° | 64.4 | 64.4 | 64.4 | 64.4 | 62.7 | 64.4 | 64.4 | 66.0 |
| 72.5° | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 |
| 75° | 14.9 | 14.9 | 14.9 | 16.5 | 14.9 | 14.9 | 14.9 | 14.9 |
| 77.5° | 6.6 | 4.9 | 6.6 | 6.6 | 4.9 | 4.9 | 4.9 | 4.9 |
| 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)