

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: P584217

Luminaire Tested: **HCC8S25D010BZ-HM82555935-81WWWB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584217
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: HCC8S25D010BZ-HM82555935-81WWWB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

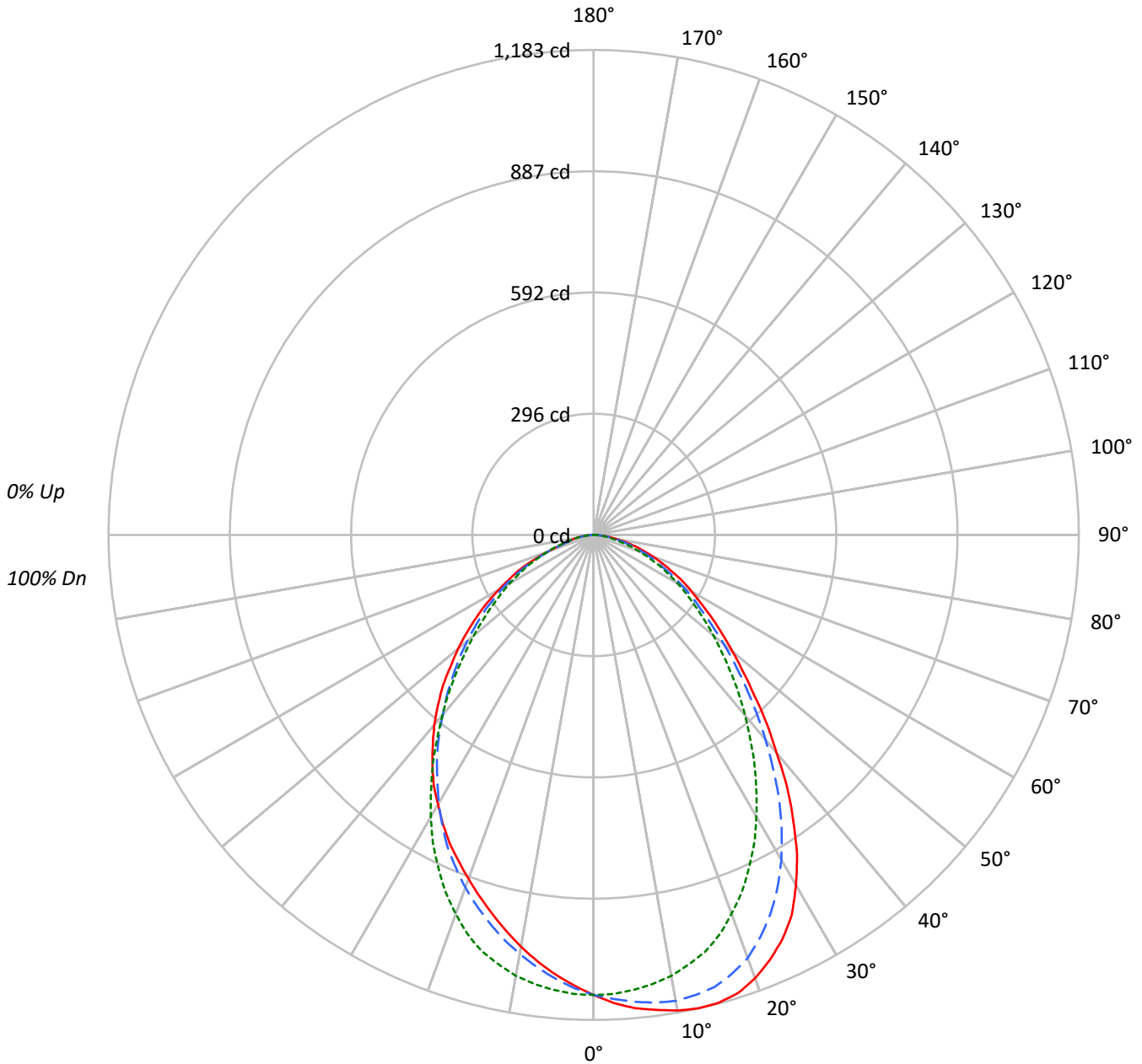
Lumens per Lamp: N/A
Luminaire Lumens: 2257.1 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.18
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (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



TEST NUMBER: P584217
CATALOG NUMBER: HCC8S25D010BZ-HM82555935-81WWWB

Luminous Intensity Polar Plot





TEST NUMBER: P584217

CATALOG NUMBER: HCC8S25D010BZ-HM82555935-81WWWB

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 | 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° | 34605 | 34605 | 34605 |
| 5° | 35873 | 34492 | 33307 |
| 10° | 36889 | 34190 | 31945 |
| 15° | 37712 | 33587 | 30535 |
| 20° | 37767 | 32274 | 29294 |
| 25° | 37042 | 30482 | 28257 |
| 30° | 35137 | 28265 | 27018 |
| 35° | 31926 | 25741 | 25801 |
| 40° | 27916 | 23098 | 24317 |
| 45° | 24194 | 20579 | 22664 |
| 50° | 21185 | 18278 | 20652 |
| 55° | 18854 | 16198 | 18682 |
| 60° | 17003 | 14549 | 16417 |
| 65° | 15359 | 12798 | 14301 |
| 70° | 13794 | 10774 | 10630 |
| 75° | 12153 | 8543 | 7983 |
| 80° | 10193 | 7068 | 7636 |
| 85° | 7925 | 6192 | 6793 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 105.9 | 4.7 |
| 10°-20° | 298.2 | 13.2 |
| 20°-30° | 426.2 | 18.9 |
| 30°-40° | 452.8 | 20.1 |
| 40°-50° | 389.9 | 17.3 |
| 50°-60° | 291.5 | 12.9 |
| 60°-70° | 185.9 | 8.2 |
| 70°-80° | 84.6 | 3.7 |
| 80°-90° | 22.2 | 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° | 830.2 | 36.8 |
| 0°-40° | 1283.0 | 56.8 |
| 0°-60° | 1964.4 | 87.0 |
| 0°-90° | 2257.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2257.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1122 | 1122 | 1122 | 1122 | 1122 | |
| 5° | 1159 | 1143 | 1114 | 1086 | 1076 | 111 |
| 15° | 1181 | 1141 | 1052 | 980 | 956 | 333 |
| 25° | 1089 | 1020 | 896 | 842 | 830 | 498 |
| 35° | 848 | 789 | 684 | 666 | 685 | 528 |
| 45° | 555 | 524 | 472 | 485 | 520 | 431 |
| 55° | 351 | 322 | 301 | 327 | 348 | 315 |
| 65° | 210 | 186 | 175 | 183 | 196 | 210 |
| 75° | 102 | 88 | 72 | 65 | 67 | 108 |
| 85° | 22 | 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° | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 |
| 2.5° | 1143.0 | 1139.8 | 1141.4 | 1139.8 | 1141.4 | 1141.4 | 1138.2 | 1138.2 | 1138.2 | 1138.2 | 1133.5 |
| 5° | 1158.9 | 1157.3 | 1157.3 | 1155.7 | 1154.1 | 1155.7 | 1154.1 | 1152.5 | 1149.4 | 1147.8 | 1143.0 |
| 7.5° | 1168.4 | 1168.4 | 1168.4 | 1168.4 | 1166.8 | 1165.3 | 1163.7 | 1160.5 | 1157.3 | 1154.1 | 1150.9 |
| 10° | 1178.1 | 1179.7 | 1178.1 | 1176.5 | 1174.9 | 1171.6 | 1170.0 | 1166.8 | 1162.1 | 1157.3 | 1154.1 |
| 12.5° | 1182.8 | 1182.8 | 1181.3 | 1181.3 | 1178.1 | 1176.5 | 1171.6 | 1166.8 | 1162.1 | 1157.3 | 1149.4 |
| 15° | 1181.3 | 1181.3 | 1179.7 | 1178.1 | 1173.3 | 1171.6 | 1168.4 | 1163.7 | 1155.7 | 1149.4 | 1141.4 |
| 17.5° | 1171.6 | 1170.0 | 1166.8 | 1166.8 | 1160.5 | 1158.9 | 1155.7 | 1149.4 | 1141.4 | 1131.8 | 1122.2 |
| 20° | 1150.9 | 1150.9 | 1149.4 | 1147.8 | 1141.4 | 1136.6 | 1133.5 | 1125.4 | 1119.1 | 1107.9 | 1098.4 |
| 22.5° | 1122.2 | 1125.4 | 1122.2 | 1119.1 | 1111.1 | 1109.5 | 1104.7 | 1095.1 | 1085.6 | 1072.8 | 1061.7 |
| 25° | 1088.7 | 1087.2 | 1085.6 | 1082.4 | 1076.0 | 1072.8 | 1066.5 | 1056.8 | 1047.3 | 1033.0 | 1020.2 |
| 27.5° | 1045.7 | 1039.4 | 1039.4 | 1033.0 | 1028.2 | 1023.5 | 1020.2 | 1010.6 | 997.9 | 986.8 | 970.8 |
| 30° | 986.8 | 988.4 | 980.3 | 978.7 | 970.8 | 967.6 | 961.3 | 951.7 | 940.5 | 927.8 | 915.1 |
| 32.5° | 923.0 | 918.2 | 918.2 | 911.9 | 905.4 | 900.6 | 899.1 | 887.9 | 878.4 | 865.6 | 852.9 |
| 35° | 848.1 | 848.1 | 843.3 | 841.7 | 835.3 | 832.1 | 827.3 | 821.0 | 809.8 | 798.6 | 789.1 |
| 37.5° | 774.8 | 771.6 | 770.0 | 766.8 | 761.9 | 757.2 | 757.2 | 746.0 | 744.4 | 731.7 | 718.9 |
| 40° | 693.5 | 696.7 | 693.5 | 688.7 | 687.0 | 683.8 | 682.2 | 675.9 | 671.1 | 660.0 | 652.0 |
| 42.5° | 624.9 | 621.7 | 621.7 | 620.1 | 613.8 | 613.8 | 610.5 | 607.3 | 599.4 | 596.2 | 586.7 |
| 45° | 554.8 | 557.9 | 553.2 | 554.8 | 548.4 | 548.4 | 548.4 | 542.0 | 535.6 | 530.8 | 524.5 |
| 47.5° | 494.1 | 495.7 | 495.7 | 491.0 | 489.4 | 489.4 | 486.2 | 483.0 | 478.2 | 471.9 | 467.1 |
| 50° | 441.6 | 443.2 | 440.0 | 438.4 | 435.2 | 433.6 | 433.6 | 427.3 | 424.0 | 417.6 | 414.5 |
| 52.5° | 393.8 | 393.8 | 392.2 | 392.2 | 387.3 | 387.3 | 384.1 | 379.4 | 376.2 | 373.0 | 365.1 |
| 55° | 350.7 | 350.7 | 349.1 | 347.5 | 347.5 | 342.7 | 341.1 | 336.4 | 333.2 | 326.8 | 322.0 |
| 57.5° | 309.2 | 310.8 | 309.2 | 307.6 | 306.0 | 304.5 | 301.3 | 296.5 | 293.3 | 288.6 | 285.4 |
| 60° | 275.7 | 275.7 | 274.1 | 272.6 | 269.4 | 267.8 | 266.2 | 263.0 | 258.3 | 255.1 | 250.3 |
| 62.5° | 243.9 | 242.4 | 240.8 | 239.1 | 235.9 | 235.9 | 232.7 | 229.5 | 224.8 | 221.6 | 218.4 |
| 65° | 210.5 | 210.5 | 208.9 | 208.9 | 207.3 | 204.0 | 202.4 | 200.8 | 194.5 | 192.9 | 186.5 |
| 67.5° | 180.1 | 181.7 | 178.6 | 178.6 | 175.4 | 175.4 | 173.8 | 169.0 | 167.3 | 164.2 | 161.0 |
| 70° | 153.0 | 153.0 | 153.0 | 151.4 | 148.3 | 146.7 | 145.1 | 141.9 | 140.3 | 137.1 | 133.9 |
| 72.5° | 125.9 | 125.9 | 124.3 | 124.3 | 122.7 | 121.1 | 119.5 | 116.4 | 116.4 | 113.2 | 110.0 |
| 75° | 102.0 | 102.0 | 100.5 | 98.9 | 97.3 | 97.3 | 95.7 | 94.1 | 90.8 | 89.2 | 87.6 |
| 77.5° | 78.1 | 78.1 | 78.1 | 76.5 | 74.9 | 74.9 | 74.9 | 71.7 | 68.6 | 68.6 | 67.0 |
| 80° | 57.4 | 57.4 | 55.7 | 55.7 | 54.2 | 54.2 | 54.2 | 52.6 | 51.0 | 49.4 | 47.8 |
| 82.5° | 38.3 | 38.3 | 38.3 | 38.3 | 36.7 | 36.7 | 36.7 | 35.1 | 33.5 | 33.5 | 33.5 |
| 85° | 22.4 | 22.4 | 22.4 | 22.4 | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 | 19.2 | 19.2 |
| 87.5° | 9.5 | 7.9 | 9.5 | 7.9 | 9.5 | 7.9 | 9.5 | 7.9 | 7.9 | 7.9 | 7.9 |
| 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° | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 |
| 2.5° | 1135.1 | 1133.5 | 1131.8 | 1130.2 | 1130.2 | 1128.6 | 1125.4 | 1123.8 | 1122.2 | 1120.6 | 1120.6 |
| 5° | 1141.4 | 1139.8 | 1136.6 | 1133.5 | 1131.8 | 1128.6 | 1125.4 | 1122.2 | 1119.1 | 1114.3 | 1112.7 |
| 7.5° | 1146.2 | 1141.4 | 1138.2 | 1131.8 | 1130.2 | 1127.0 | 1122.2 | 1117.5 | 1111.1 | 1104.7 | 1100.0 |
| 10° | 1146.2 | 1139.8 | 1135.1 | 1127.0 | 1123.8 | 1120.6 | 1114.3 | 1106.3 | 1098.4 | 1091.9 | 1084.0 |
| 12.5° | 1143.0 | 1135.1 | 1127.0 | 1119.1 | 1114.3 | 1109.5 | 1100.0 | 1091.9 | 1082.4 | 1072.8 | 1066.5 |
| 15° | 1131.8 | 1122.2 | 1112.7 | 1103.2 | 1098.4 | 1091.9 | 1082.4 | 1071.3 | 1061.7 | 1052.1 | 1041.0 |
| 17.5° | 1111.1 | 1101.6 | 1090.3 | 1079.2 | 1072.8 | 1068.1 | 1053.7 | 1045.7 | 1031.4 | 1021.8 | 1012.2 |
| 20° | 1084.0 | 1072.8 | 1058.4 | 1047.3 | 1039.4 | 1034.6 | 1023.5 | 1009.1 | 997.9 | 983.5 | 974.0 |
| 22.5° | 1048.9 | 1034.6 | 1020.2 | 1009.1 | 1001.1 | 994.7 | 980.3 | 966.0 | 956.5 | 943.7 | 932.5 |
| 25° | 1007.5 | 993.2 | 978.7 | 962.9 | 954.9 | 948.4 | 935.7 | 923.0 | 910.2 | 895.9 | 886.3 |
| 27.5° | 958.1 | 942.1 | 929.4 | 915.1 | 907.0 | 897.5 | 883.2 | 870.3 | 857.6 | 848.1 | 835.3 |
| 30° | 903.8 | 886.3 | 873.5 | 859.2 | 851.3 | 843.3 | 828.9 | 816.2 | 805.1 | 793.8 | 787.5 |
| 32.5° | 838.5 | 825.7 | 813.0 | 798.6 | 792.2 | 787.5 | 773.2 | 760.3 | 747.6 | 738.1 | 733.3 |
| 35° | 776.3 | 761.9 | 750.8 | 738.1 | 730.1 | 725.4 | 712.5 | 701.4 | 695.1 | 683.8 | 677.5 |
| 37.5° | 711.0 | 699.8 | 687.0 | 674.3 | 669.5 | 664.8 | 655.2 | 644.0 | 634.4 | 626.5 | 623.3 |
| 40° | 642.4 | 632.9 | 621.7 | 613.8 | 608.9 | 604.1 | 596.2 | 588.2 | 581.9 | 573.8 | 570.7 |
| 42.5° | 577.1 | 570.7 | 561.1 | 551.6 | 546.8 | 545.2 | 535.6 | 529.2 | 526.0 | 522.9 | 519.7 |
| 45° | 518.1 | 508.6 | 502.2 | 495.7 | 491.0 | 487.8 | 483.0 | 478.2 | 475.1 | 471.9 | 468.7 |
| 47.5° | 460.7 | 452.7 | 446.3 | 441.6 | 436.8 | 435.2 | 432.0 | 427.3 | 424.0 | 424.0 | 424.0 |
| 50° | 408.1 | 401.7 | 395.4 | 392.2 | 390.6 | 387.3 | 384.1 | 382.6 | 381.0 | 381.0 | 381.0 |
| 52.5° | 361.9 | 355.5 | 350.7 | 347.5 | 347.5 | 344.3 | 341.1 | 339.5 | 339.5 | 339.5 | 339.5 |
| 55° | 318.9 | 314.0 | 310.8 | 307.6 | 304.5 | 302.9 | 302.9 | 302.9 | 301.3 | 301.3 | 302.9 |
| 57.5° | 280.6 | 277.3 | 272.6 | 269.4 | 267.8 | 267.8 | 266.2 | 264.6 | 266.2 | 267.8 | 269.4 |
| 60° | 245.5 | 242.4 | 240.8 | 235.9 | 235.9 | 235.9 | 234.3 | 234.3 | 234.3 | 235.9 | 237.5 |
| 62.5° | 213.6 | 212.0 | 208.9 | 207.3 | 205.7 | 205.7 | 204.0 | 204.0 | 204.0 | 204.0 | 205.7 |
| 65° | 184.9 | 181.7 | 178.6 | 178.6 | 178.6 | 177.0 | 177.0 | 173.8 | 175.4 | 175.4 | 173.8 |
| 67.5° | 157.8 | 154.6 | 153.0 | 151.4 | 149.8 | 149.8 | 148.3 | 146.7 | 145.1 | 145.1 | 145.1 |
| 70° | 132.4 | 129.1 | 129.1 | 125.9 | 125.9 | 124.3 | 122.7 | 122.7 | 121.1 | 119.5 | 117.9 |
| 72.5° | 106.8 | 105.2 | 103.6 | 102.0 | 102.0 | 102.0 | 100.5 | 98.9 | 97.3 | 95.7 | 92.4 |
| 75° | 84.5 | 84.5 | 81.3 | 79.7 | 79.7 | 78.1 | 76.5 | 74.9 | 73.3 | 71.7 | 70.2 |
| 77.5° | 65.4 | 63.8 | 60.6 | 59.0 | 59.0 | 59.0 | 57.4 | 55.7 | 54.2 | 52.6 | 51.0 |
| 80° | 47.8 | 46.2 | 44.6 | 43.0 | 43.0 | 43.0 | 41.4 | 41.4 | 39.8 | 39.8 | 39.8 |
| 82.5° | 31.9 | 31.9 | 30.3 | 30.3 | 30.3 | 30.3 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 |
| 85° | 19.2 | 19.2 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 |
| 87.5° | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 |
| 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° | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 |
| 2.5° | 1117.5 | 1117.5 | 1114.3 | 1112.7 | 1111.1 | 1112.7 | 1109.5 | 1107.9 | 1106.3 | 1106.3 | 1104.7 |
| 5° | 1107.9 | 1106.3 | 1100.0 | 1098.4 | 1096.8 | 1095.1 | 1091.9 | 1088.7 | 1085.6 | 1084.0 | 1082.4 |
| 7.5° | 1095.1 | 1090.3 | 1084.0 | 1082.4 | 1080.8 | 1076.0 | 1071.3 | 1068.1 | 1063.3 | 1061.7 | 1058.4 |
| 10° | 1077.6 | 1071.3 | 1066.5 | 1061.7 | 1058.4 | 1053.7 | 1048.9 | 1044.1 | 1037.8 | 1036.2 | 1031.4 |
| 12.5° | 1056.8 | 1048.9 | 1039.4 | 1037.8 | 1033.0 | 1026.6 | 1020.2 | 1015.4 | 1010.6 | 1007.5 | 1002.7 |
| 15° | 1031.4 | 1023.5 | 1013.8 | 1009.1 | 1004.3 | 999.5 | 991.6 | 985.1 | 980.3 | 975.6 | 970.8 |
| 17.5° | 1001.1 | 991.6 | 983.5 | 978.7 | 975.6 | 967.6 | 961.3 | 953.3 | 948.4 | 943.7 | 938.9 |
| 20° | 964.4 | 956.5 | 945.3 | 940.5 | 938.9 | 932.5 | 924.6 | 921.4 | 915.1 | 910.2 | 907.0 |
| 22.5° | 923.0 | 915.1 | 905.4 | 902.2 | 895.9 | 892.7 | 884.7 | 881.6 | 878.4 | 873.5 | 871.9 |
| 25° | 876.8 | 868.8 | 860.8 | 859.2 | 854.4 | 851.3 | 846.5 | 841.7 | 841.7 | 837.0 | 837.0 |
| 27.5° | 828.9 | 821.0 | 814.6 | 811.4 | 809.8 | 806.6 | 801.9 | 800.3 | 798.6 | 797.0 | 797.0 |
| 30° | 777.9 | 768.4 | 765.2 | 763.6 | 761.9 | 758.8 | 757.2 | 754.0 | 755.6 | 757.2 | 755.6 |
| 32.5° | 723.7 | 720.5 | 714.1 | 711.0 | 712.5 | 711.0 | 707.8 | 711.0 | 709.4 | 712.5 | 714.1 |
| 35° | 671.1 | 667.9 | 664.8 | 664.8 | 661.6 | 661.6 | 661.6 | 663.2 | 666.3 | 667.9 | 671.1 |
| 37.5° | 620.1 | 615.4 | 613.8 | 612.1 | 613.8 | 613.8 | 613.8 | 617.0 | 620.1 | 623.3 | 628.1 |
| 40° | 565.9 | 562.7 | 562.7 | 562.7 | 562.7 | 567.5 | 565.9 | 569.1 | 572.2 | 577.1 | 581.9 |
| 42.5° | 514.9 | 514.9 | 516.5 | 516.5 | 516.5 | 516.5 | 519.7 | 524.5 | 529.2 | 534.0 | 538.9 |
| 45° | 467.1 | 467.1 | 467.1 | 470.3 | 470.3 | 471.9 | 478.2 | 481.4 | 484.6 | 489.4 | 494.1 |
| 47.5° | 422.4 | 422.4 | 424.0 | 425.6 | 427.3 | 430.5 | 433.6 | 438.4 | 443.2 | 446.3 | 451.1 |
| 50° | 381.0 | 382.6 | 385.7 | 388.9 | 388.9 | 390.6 | 395.4 | 398.6 | 401.7 | 406.5 | 408.1 |
| 52.5° | 341.1 | 344.3 | 347.5 | 349.1 | 350.7 | 353.8 | 355.5 | 360.3 | 361.9 | 366.7 | 368.2 |
| 55° | 304.5 | 306.0 | 310.8 | 312.4 | 312.4 | 315.7 | 318.9 | 322.0 | 326.8 | 326.8 | 330.0 |
| 57.5° | 271.0 | 272.6 | 275.7 | 277.3 | 275.7 | 280.6 | 282.2 | 285.4 | 287.0 | 290.1 | 291.7 |
| 60° | 237.5 | 240.8 | 242.4 | 242.4 | 243.9 | 245.5 | 248.7 | 248.7 | 251.9 | 255.1 | 255.1 |
| 62.5° | 205.7 | 207.3 | 208.9 | 210.5 | 212.0 | 210.5 | 215.2 | 215.2 | 218.4 | 220.0 | 223.2 |
| 65° | 175.4 | 177.0 | 177.0 | 178.6 | 178.6 | 180.1 | 180.1 | 181.7 | 183.3 | 186.5 | 188.1 |
| 67.5° | 145.1 | 145.1 | 145.1 | 146.7 | 145.1 | 146.7 | 146.7 | 148.3 | 148.3 | 151.4 | 153.0 |
| 70° | 117.9 | 116.4 | 114.8 | 114.8 | 114.8 | 114.8 | 113.2 | 114.8 | 114.8 | 116.4 | 116.4 |
| 72.5° | 90.8 | 89.2 | 87.6 | 86.1 | 86.1 | 84.5 | 82.9 | 84.5 | 84.5 | 86.1 | 86.1 |
| 75° | 68.6 | 65.4 | 65.4 | 65.4 | 63.8 | 63.8 | 63.8 | 65.4 | 65.4 | 65.4 | 67.0 |
| 77.5° | 51.0 | 51.0 | 49.4 | 49.4 | 49.4 | 51.0 | 51.0 | 52.6 | 52.6 | 52.6 | 52.6 |
| 80° | 38.3 | 39.8 | 39.8 | 39.8 | 39.8 | 41.4 | 41.4 | 41.4 | 41.4 | 43.0 | 43.0 |
| 82.5° | 28.7 | 28.7 | 28.7 | 28.7 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 |
| 85° | 17.5 | 19.2 | 19.2 | 17.5 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 |
| 87.5° | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 |
| 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: P584217

CATALOG NUMBER: HCC8S25D010BZ-HM82555935-81WWWB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 | 1122.2 |
| 2.5° | 1103.2 | 1103.2 | 1103.2 | 1103.2 | 1101.6 | 1101.6 | 1101.6 | 1100.0 |
| 5° | 1079.2 | 1079.2 | 1079.2 | 1076.0 | 1077.6 | 1077.6 | 1074.4 | 1076.0 |
| 7.5° | 1055.3 | 1053.7 | 1052.1 | 1052.1 | 1050.5 | 1048.9 | 1047.3 | 1048.9 |
| 10° | 1028.2 | 1023.5 | 1023.5 | 1021.8 | 1021.8 | 1018.6 | 1018.6 | 1020.2 |
| 12.5° | 997.9 | 994.7 | 994.7 | 993.2 | 991.6 | 990.0 | 988.4 | 988.4 |
| 15° | 967.6 | 964.4 | 962.9 | 961.3 | 959.7 | 956.5 | 958.1 | 956.5 |
| 17.5° | 937.3 | 932.5 | 932.5 | 931.0 | 929.4 | 926.2 | 926.2 | 924.6 |
| 20° | 902.2 | 900.6 | 897.5 | 899.1 | 897.5 | 894.3 | 892.7 | 892.7 |
| 22.5° | 867.2 | 867.2 | 865.6 | 865.6 | 864.0 | 862.4 | 860.8 | 860.8 |
| 25° | 833.7 | 832.1 | 833.7 | 833.7 | 828.9 | 828.9 | 828.9 | 830.5 |
| 27.5° | 795.4 | 797.0 | 795.4 | 795.4 | 795.4 | 795.4 | 797.0 | 795.4 |
| 30° | 757.2 | 757.2 | 757.2 | 758.8 | 761.9 | 760.3 | 760.3 | 758.8 |
| 32.5° | 715.7 | 717.3 | 717.3 | 718.9 | 720.5 | 723.7 | 723.7 | 725.4 |
| 35° | 674.3 | 677.5 | 679.1 | 677.5 | 682.2 | 682.2 | 685.4 | 685.4 |
| 37.5° | 631.3 | 632.9 | 636.0 | 637.6 | 640.8 | 642.4 | 644.0 | 644.0 |
| 40° | 585.1 | 591.4 | 593.0 | 594.6 | 599.4 | 599.4 | 601.0 | 604.1 |
| 42.5° | 542.0 | 548.4 | 550.0 | 551.6 | 554.8 | 559.5 | 557.9 | 561.1 |
| 45° | 500.5 | 505.4 | 507.0 | 508.6 | 513.3 | 514.9 | 514.9 | 519.7 |
| 47.5° | 455.9 | 459.1 | 460.7 | 463.8 | 467.1 | 470.3 | 473.5 | 471.9 |
| 50° | 411.3 | 416.0 | 419.2 | 420.8 | 425.6 | 427.3 | 428.9 | 430.5 |
| 52.5° | 371.4 | 374.6 | 376.2 | 377.8 | 382.6 | 384.1 | 385.7 | 388.9 |
| 55° | 333.2 | 334.8 | 337.9 | 336.4 | 341.1 | 342.7 | 344.3 | 347.5 |
| 57.5° | 294.9 | 296.5 | 298.1 | 298.1 | 301.3 | 304.5 | 306.0 | 307.6 |
| 60° | 258.3 | 261.4 | 263.0 | 263.0 | 263.0 | 266.2 | 266.2 | 266.2 |
| 62.5° | 224.8 | 224.8 | 226.4 | 226.4 | 229.5 | 229.5 | 229.5 | 229.5 |
| 65° | 189.7 | 191.3 | 192.9 | 192.9 | 196.0 | 194.5 | 197.6 | 196.0 |
| 67.5° | 153.0 | 153.0 | 156.2 | 156.2 | 154.6 | 156.2 | 156.2 | 156.2 |
| 70° | 116.4 | 116.4 | 117.9 | 117.9 | 117.9 | 117.9 | 117.9 | 117.9 |
| 72.5° | 86.1 | 86.1 | 86.1 | 87.6 | 86.1 | 86.1 | 87.6 | 86.1 |
| 75° | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| 77.5° | 52.6 | 52.6 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| 80° | 43.0 | 43.0 | 43.0 | 43.0 | 44.6 | 43.0 | 43.0 | 43.0 |
| 82.5° | 31.9 | 30.3 | 31.9 | 30.3 | 31.9 | 31.9 | 31.9 | 31.9 |
| 85° | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 |
| 87.5° | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 |
| 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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Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report



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

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(END OF REPORT)