

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: P584123

Luminaire Tested: **HCC8W25D010MW-HM82555830-81RWWC**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584123
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-HM82555830-81RWWC
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

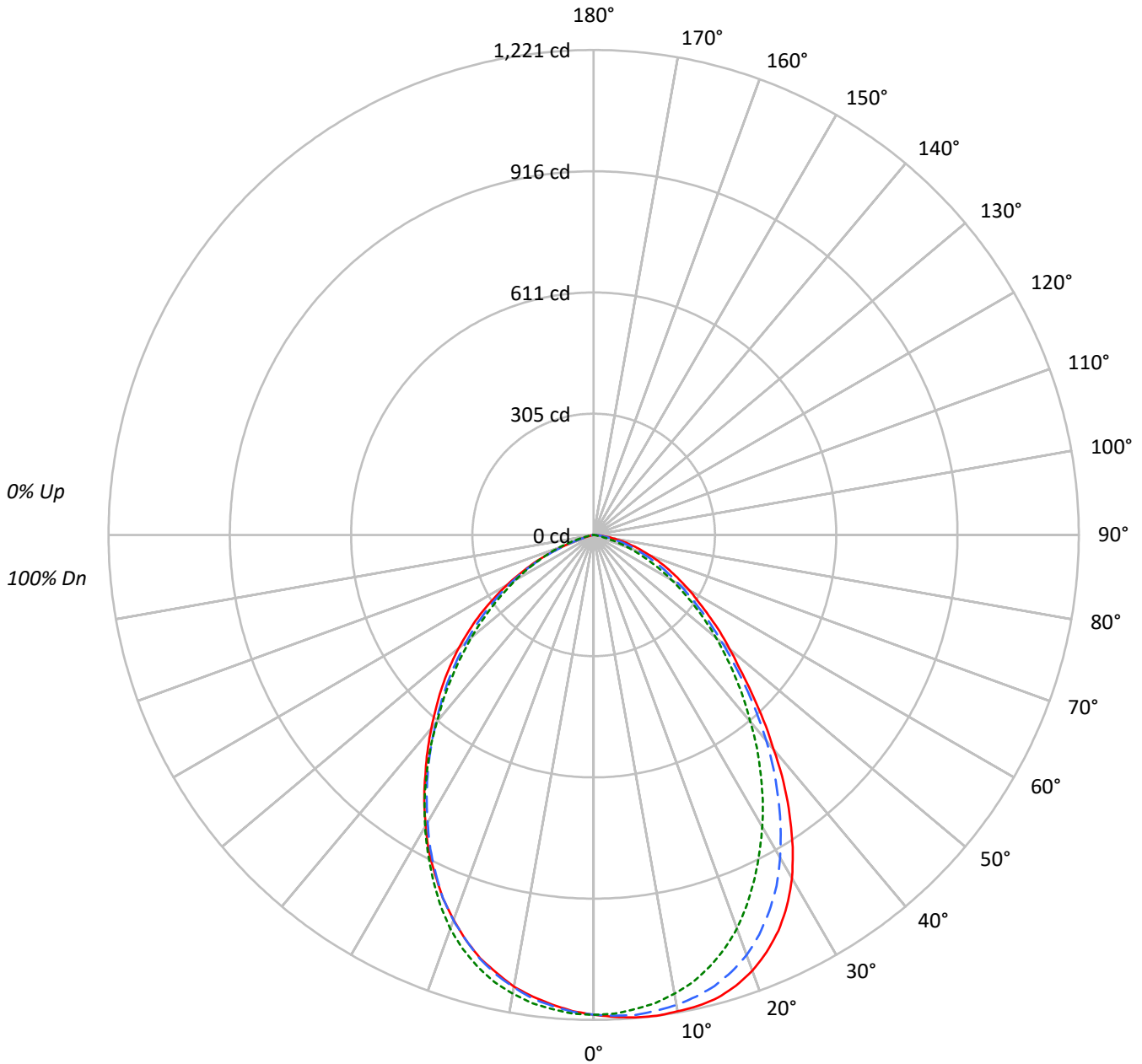
Lumens per Lamp: N/A
Luminaire Lumens: 2296.2 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.08 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (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: P584123
CATALOG NUMBER: HCC8W25D010MW-HM82555830-81RWWC

Luminous Intensity Polar Plot





TEST NUMBER: P584123

CATALOG NUMBER: HCC8W25D010MW-HM82555830-81RWWC

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 37253 | 37253 | 37253 |
| 5° | 37749 | 37098 | 36749 |
| 10° | 38135 | 36720 | 36165 |
| 15° | 38516 | 35947 | 35225 |
| 20° | 38325 | 34617 | 33823 |
| 25° | 37430 | 32547 | 32105 |
| 30° | 35553 | 30212 | 30095 |
| 35° | 32363 | 27567 | 27808 |
| 40° | 28375 | 24676 | 25585 |
| 45° | 24478 | 21944 | 23492 |
| 50° | 21434 | 19271 | 21281 |
| 55° | 18989 | 16564 | 18730 |
| 60° | 17114 | 13932 | 15523 |
| 65° | 15417 | 11178 | 11893 |
| 70° | 13524 | 8141 | 6537 |
| 75° | 11533 | 4230 | 1739 |
| 80° | 8879 | 1137 | 284 |
| 85° | 5732 | 0 | 0 |



TEST NUMBER: P584123
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 114.0 | 5.0 |
| 10°-20° | 320.5 | 14.0 |
| 20°-30° | 454.8 | 19.8 |
| 30°-40° | 478.8 | 20.9 |
| 40°-50° | 407.3 | 17.7 |
| 50°-60° | 294.3 | 12.8 |
| 60°-70° | 167.4 | 7.3 |
| 70°-80° | 52.7 | 2.3 |
| 80°-90° | 6.4 | 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° | 889.3 | 38.7 |
| 0°-40° | 1368.0 | 59.6 |
| 0°-60° | 2069.7 | 90.1 |
| 0°-90° | 2296.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2296.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1208 | 1208 | 1208 | 1208 | 1208 | |
| 5° | 1220 | 1213 | 1198 | 1190 | 1187 | 116 |
| 15° | 1206 | 1176 | 1126 | 1105 | 1103 | 340 |
| 25° | 1100 | 1045 | 957 | 940 | 944 | 504 |
| 35° | 860 | 810 | 732 | 728 | 739 | 535 |
| 45° | 561 | 540 | 503 | 516 | 539 | 436 |
| 55° | 353 | 327 | 308 | 326 | 348 | 319 |
| 65° | 211 | 182 | 153 | 152 | 163 | 210 |
| 75° | 97 | 74 | 36 | 16 | 15 | 104 |
| 85° | 16 | 10 | 0 | 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° | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 |
| 2.5° | 1214.7 | 1216.3 | 1213.1 | 1213.1 | 1216.3 | 1213.1 | 1214.7 | 1214.7 | 1213.1 | 1213.1 | 1211.5 |
| 5° | 1219.5 | 1217.9 | 1217.9 | 1217.9 | 1219.5 | 1216.3 | 1214.7 | 1216.3 | 1213.1 | 1213.1 | 1213.1 |
| 7.5° | 1221.1 | 1221.1 | 1219.5 | 1217.9 | 1217.9 | 1217.9 | 1216.3 | 1214.7 | 1213.1 | 1209.7 | 1208.1 |
| 10° | 1217.9 | 1217.9 | 1219.5 | 1216.3 | 1216.3 | 1213.1 | 1213.1 | 1209.7 | 1209.7 | 1206.5 | 1201.7 |
| 12.5° | 1214.7 | 1213.1 | 1213.1 | 1209.7 | 1209.7 | 1206.5 | 1206.5 | 1201.7 | 1200.1 | 1195.3 | 1190.5 |
| 15° | 1206.5 | 1204.9 | 1201.7 | 1200.1 | 1198.5 | 1196.9 | 1193.7 | 1192.1 | 1187.2 | 1180.7 | 1175.9 |
| 17.5° | 1190.5 | 1188.8 | 1187.2 | 1184.0 | 1180.7 | 1179.1 | 1177.5 | 1172.7 | 1166.2 | 1161.4 | 1153.4 |
| 20° | 1167.9 | 1166.2 | 1166.2 | 1161.4 | 1159.8 | 1155.0 | 1153.4 | 1146.9 | 1142.0 | 1132.4 | 1126.0 |
| 22.5° | 1137.2 | 1138.8 | 1135.6 | 1132.4 | 1129.2 | 1124.2 | 1121.0 | 1114.6 | 1106.6 | 1096.9 | 1088.8 |
| 25° | 1100.1 | 1101.7 | 1098.5 | 1095.3 | 1090.4 | 1087.2 | 1084.0 | 1074.3 | 1066.3 | 1054.9 | 1045.3 |
| 27.5° | 1053.3 | 1053.3 | 1053.3 | 1050.1 | 1042.1 | 1040.5 | 1037.2 | 1027.5 | 1016.2 | 1006.5 | 996.9 |
| 30° | 998.5 | 996.9 | 996.9 | 992.0 | 988.8 | 982.4 | 977.6 | 969.4 | 961.4 | 950.1 | 938.8 |
| 32.5° | 932.4 | 934.0 | 929.1 | 925.9 | 921.1 | 921.1 | 914.6 | 908.1 | 898.5 | 887.1 | 875.9 |
| 35° | 859.7 | 861.4 | 858.1 | 856.5 | 848.5 | 846.9 | 845.2 | 837.2 | 830.7 | 822.6 | 809.8 |
| 37.5° | 785.6 | 784.0 | 782.4 | 782.4 | 777.5 | 774.3 | 771.0 | 766.2 | 756.5 | 750.1 | 743.7 |
| 40° | 704.9 | 704.9 | 704.9 | 703.3 | 701.7 | 698.5 | 696.9 | 693.6 | 687.2 | 680.7 | 675.9 |
| 42.5° | 632.4 | 632.4 | 630.7 | 629.1 | 625.8 | 627.4 | 624.2 | 621.0 | 614.6 | 609.7 | 606.5 |
| 45° | 561.3 | 561.3 | 561.3 | 562.9 | 559.7 | 554.9 | 554.9 | 551.7 | 548.5 | 545.2 | 540.4 |
| 47.5° | 498.4 | 503.2 | 500.0 | 498.4 | 500.0 | 493.6 | 493.6 | 490.4 | 487.2 | 484.0 | 477.4 |
| 50° | 446.8 | 446.8 | 446.8 | 443.6 | 442.0 | 442.0 | 437.1 | 433.9 | 432.3 | 429.1 | 422.6 |
| 52.5° | 400.1 | 396.9 | 396.9 | 395.2 | 393.5 | 390.3 | 390.3 | 387.1 | 380.7 | 377.5 | 372.6 |
| 55° | 353.2 | 353.2 | 351.6 | 350.0 | 348.4 | 346.8 | 345.2 | 340.4 | 337.2 | 332.3 | 327.4 |
| 57.5° | 311.4 | 314.6 | 313.0 | 309.7 | 306.4 | 306.4 | 303.2 | 300.0 | 295.2 | 290.4 | 285.5 |
| 60° | 277.5 | 275.8 | 275.8 | 274.2 | 271.0 | 269.4 | 267.7 | 262.9 | 258.1 | 253.3 | 248.5 |
| 62.5° | 241.9 | 241.9 | 241.9 | 238.7 | 235.5 | 233.9 | 232.3 | 229.1 | 222.6 | 217.7 | 214.5 |
| 65° | 211.3 | 209.7 | 208.1 | 206.5 | 204.9 | 201.6 | 200.0 | 196.8 | 192.0 | 187.1 | 182.3 |
| 67.5° | 180.6 | 179.0 | 179.0 | 177.4 | 172.6 | 171.0 | 171.0 | 166.2 | 161.4 | 156.4 | 151.6 |
| 70° | 150.0 | 150.0 | 150.0 | 146.8 | 145.2 | 143.6 | 142.0 | 138.7 | 133.9 | 129.0 | 124.2 |
| 72.5° | 124.2 | 122.6 | 122.6 | 121.0 | 116.1 | 114.5 | 112.9 | 109.7 | 104.9 | 101.6 | 98.4 |
| 75° | 96.8 | 96.8 | 95.1 | 93.5 | 91.9 | 90.3 | 88.7 | 85.5 | 80.7 | 75.9 | 74.2 |
| 77.5° | 74.2 | 72.5 | 72.5 | 70.9 | 67.7 | 66.1 | 66.1 | 62.9 | 58.1 | 54.9 | 51.6 |
| 80° | 50.0 | 51.6 | 50.0 | 48.4 | 46.8 | 45.2 | 43.5 | 41.9 | 38.7 | 35.5 | 32.3 |
| 82.5° | 30.6 | 32.3 | 30.6 | 30.6 | 29.0 | 27.4 | 27.4 | 24.2 | 22.6 | 21.0 | 19.4 |
| 85° | 16.2 | 16.2 | 16.2 | 16.2 | 14.6 | 14.6 | 14.6 | 12.9 | 11.3 | 9.6 | 9.6 |
| 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° | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 |
| 2.5° | 1213.1 | 1211.5 | 1209.7 | 1209.7 | 1209.7 | 1209.7 | 1209.7 | 1208.1 | 1206.5 | 1206.5 | 1206.5 |
| 5° | 1209.7 | 1209.7 | 1209.7 | 1208.1 | 1206.5 | 1206.5 | 1203.3 | 1201.7 | 1200.1 | 1198.5 | 1196.9 |
| 7.5° | 1206.5 | 1203.3 | 1201.7 | 1200.1 | 1198.5 | 1198.5 | 1195.3 | 1192.1 | 1192.1 | 1188.8 | 1185.6 |
| 10° | 1196.9 | 1195.3 | 1192.1 | 1188.8 | 1187.2 | 1185.6 | 1182.4 | 1177.5 | 1175.9 | 1172.7 | 1169.5 |
| 12.5° | 1185.6 | 1182.4 | 1179.1 | 1172.7 | 1171.1 | 1169.5 | 1163.0 | 1158.2 | 1155.0 | 1153.4 | 1145.2 |
| 15° | 1171.1 | 1164.6 | 1159.8 | 1151.7 | 1150.1 | 1146.9 | 1142.0 | 1137.2 | 1130.8 | 1126.0 | 1122.6 |
| 17.5° | 1145.2 | 1138.8 | 1130.8 | 1122.6 | 1119.4 | 1119.4 | 1111.4 | 1105.0 | 1096.9 | 1093.6 | 1087.2 |
| 20° | 1114.6 | 1106.6 | 1100.1 | 1090.4 | 1085.6 | 1080.7 | 1075.9 | 1066.3 | 1059.7 | 1054.9 | 1046.9 |
| 22.5° | 1079.1 | 1067.9 | 1059.7 | 1050.1 | 1042.1 | 1037.2 | 1029.1 | 1021.1 | 1013.0 | 1008.2 | 1001.7 |
| 25° | 1033.9 | 1024.3 | 1011.4 | 1001.7 | 996.9 | 990.4 | 980.8 | 972.6 | 964.6 | 956.6 | 953.3 |
| 27.5° | 984.0 | 971.0 | 959.8 | 948.4 | 943.6 | 938.8 | 927.5 | 917.8 | 911.4 | 903.3 | 900.1 |
| 30° | 929.1 | 916.2 | 903.3 | 893.7 | 888.7 | 880.7 | 874.3 | 863.0 | 854.9 | 848.5 | 840.4 |
| 32.5° | 866.2 | 856.5 | 845.2 | 830.7 | 827.5 | 821.0 | 811.4 | 806.6 | 796.8 | 792.0 | 785.6 |
| 35° | 798.4 | 792.0 | 780.7 | 769.4 | 764.6 | 761.4 | 753.3 | 743.7 | 737.1 | 732.3 | 729.1 |
| 37.5° | 733.9 | 725.9 | 714.5 | 706.5 | 703.3 | 698.5 | 688.8 | 683.9 | 677.5 | 674.2 | 667.8 |
| 40° | 664.6 | 656.6 | 648.4 | 643.6 | 638.8 | 635.6 | 629.1 | 624.2 | 617.8 | 613.0 | 611.4 |
| 42.5° | 596.8 | 592.0 | 585.5 | 579.1 | 577.5 | 572.7 | 569.5 | 564.5 | 559.7 | 558.1 | 553.3 |
| 45° | 535.5 | 530.7 | 524.2 | 517.8 | 516.2 | 513.0 | 511.4 | 506.5 | 503.2 | 503.2 | 503.2 |
| 47.5° | 474.2 | 469.4 | 463.0 | 459.7 | 461.4 | 454.9 | 454.9 | 453.3 | 450.0 | 450.0 | 451.6 |
| 50° | 419.4 | 412.9 | 411.3 | 408.1 | 404.9 | 401.7 | 403.3 | 398.5 | 398.5 | 401.7 | 400.1 |
| 52.5° | 367.8 | 361.3 | 359.7 | 356.5 | 354.9 | 354.9 | 353.2 | 353.2 | 351.6 | 353.2 | 353.2 |
| 55° | 321.0 | 316.2 | 313.0 | 309.7 | 308.1 | 308.1 | 308.1 | 306.4 | 304.8 | 308.1 | 309.7 |
| 57.5° | 279.1 | 277.5 | 274.2 | 269.4 | 267.7 | 266.1 | 264.5 | 264.5 | 264.5 | 264.5 | 266.1 |
| 60° | 241.9 | 238.7 | 235.5 | 230.7 | 230.7 | 229.1 | 227.5 | 225.9 | 225.9 | 225.9 | 225.9 |
| 62.5° | 209.7 | 204.9 | 200.0 | 196.8 | 195.2 | 193.6 | 192.0 | 188.7 | 188.7 | 188.7 | 188.7 |
| 65° | 177.4 | 172.6 | 169.4 | 166.2 | 163.0 | 163.0 | 159.6 | 158.0 | 154.8 | 153.2 | 150.0 |
| 67.5° | 146.8 | 143.6 | 140.4 | 135.5 | 133.9 | 132.3 | 129.0 | 127.4 | 122.6 | 121.0 | 119.4 |
| 70° | 119.4 | 114.5 | 111.3 | 108.1 | 106.5 | 103.3 | 100.0 | 96.8 | 93.5 | 90.3 | 87.1 |
| 72.5° | 93.5 | 88.7 | 85.5 | 82.3 | 79.1 | 79.1 | 74.2 | 70.9 | 66.1 | 62.9 | 58.1 |
| 75° | 69.3 | 64.5 | 61.3 | 56.5 | 54.9 | 53.2 | 48.4 | 45.2 | 40.3 | 35.5 | 32.3 |
| 77.5° | 46.8 | 43.5 | 40.3 | 35.5 | 32.3 | 32.3 | 27.4 | 24.2 | 21.0 | 16.2 | 14.6 |
| 80° | 29.0 | 25.8 | 22.6 | 19.4 | 19.4 | 16.2 | 14.6 | 11.3 | 8.0 | 6.4 | 4.8 |
| 82.5° | 16.2 | 14.6 | 12.9 | 9.6 | 9.6 | 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° | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 |
| 2.5° | 1204.9 | 1204.9 | 1203.3 | 1203.3 | 1203.3 | 1201.7 | 1203.3 | 1201.7 | 1201.7 | 1201.7 | 1203.3 |
| 5° | 1198.5 | 1195.3 | 1195.3 | 1193.7 | 1193.7 | 1192.1 | 1193.7 | 1192.1 | 1190.5 | 1188.8 | 1190.5 |
| 7.5° | 1185.6 | 1182.4 | 1180.7 | 1179.1 | 1179.1 | 1179.1 | 1177.5 | 1175.9 | 1177.5 | 1172.7 | 1175.9 |
| 10° | 1167.9 | 1166.2 | 1163.0 | 1161.4 | 1159.8 | 1161.4 | 1159.8 | 1156.6 | 1156.6 | 1156.6 | 1155.0 |
| 12.5° | 1145.2 | 1142.0 | 1140.4 | 1138.8 | 1135.6 | 1135.6 | 1137.2 | 1134.0 | 1134.0 | 1130.8 | 1130.8 |
| 15° | 1117.8 | 1114.6 | 1111.4 | 1111.4 | 1108.2 | 1108.2 | 1106.6 | 1106.6 | 1105.0 | 1103.4 | 1103.4 |
| 17.5° | 1084.0 | 1079.1 | 1075.9 | 1077.5 | 1075.9 | 1074.3 | 1074.3 | 1071.1 | 1069.5 | 1071.1 | 1071.1 |
| 20° | 1043.7 | 1040.5 | 1037.2 | 1038.8 | 1035.5 | 1033.9 | 1035.5 | 1030.7 | 1032.3 | 1032.3 | 1032.3 |
| 22.5° | 998.5 | 996.9 | 992.0 | 992.0 | 988.8 | 987.2 | 988.8 | 988.8 | 990.4 | 988.8 | 988.8 |
| 25° | 948.4 | 945.2 | 942.0 | 942.0 | 940.4 | 938.8 | 940.4 | 942.0 | 940.4 | 942.0 | 942.0 |
| 27.5° | 895.3 | 890.5 | 890.5 | 887.1 | 887.1 | 888.7 | 887.1 | 888.7 | 890.5 | 890.5 | 893.7 |
| 30° | 837.2 | 835.6 | 834.0 | 832.4 | 832.4 | 834.0 | 834.0 | 834.0 | 835.6 | 838.8 | 838.8 |
| 32.5° | 782.4 | 779.1 | 775.9 | 775.9 | 779.1 | 777.5 | 779.1 | 779.1 | 782.4 | 782.4 | 785.6 |
| 35° | 722.7 | 722.7 | 719.5 | 721.1 | 721.1 | 721.1 | 721.1 | 724.3 | 727.5 | 729.1 | 732.3 |
| 37.5° | 667.8 | 663.0 | 664.6 | 664.6 | 666.2 | 664.6 | 669.4 | 669.4 | 672.6 | 672.6 | 675.9 |
| 40° | 608.1 | 608.1 | 609.7 | 608.1 | 609.7 | 609.7 | 613.0 | 616.2 | 617.8 | 621.0 | 622.6 |
| 42.5° | 551.7 | 554.9 | 551.7 | 553.3 | 554.9 | 556.5 | 558.1 | 559.7 | 566.1 | 569.5 | 574.3 |
| 45° | 500.0 | 501.6 | 503.2 | 504.9 | 503.2 | 506.5 | 508.1 | 511.4 | 516.2 | 517.8 | 519.4 |
| 47.5° | 450.0 | 451.6 | 453.3 | 454.9 | 454.9 | 458.1 | 459.7 | 463.0 | 466.2 | 467.8 | 469.4 |
| 50° | 401.7 | 404.9 | 406.5 | 406.5 | 408.1 | 411.3 | 414.5 | 414.5 | 417.8 | 422.6 | 424.3 |
| 52.5° | 358.1 | 358.1 | 361.3 | 362.9 | 364.5 | 364.5 | 369.4 | 371.0 | 372.6 | 375.9 | 379.1 |
| 55° | 309.7 | 314.6 | 316.2 | 316.2 | 319.4 | 322.6 | 324.2 | 325.8 | 325.8 | 332.3 | 332.3 |
| 57.5° | 267.7 | 269.4 | 272.6 | 272.6 | 272.6 | 277.5 | 277.5 | 280.7 | 282.3 | 283.9 | 287.1 |
| 60° | 225.9 | 229.1 | 229.1 | 230.7 | 229.1 | 232.3 | 233.9 | 237.1 | 238.7 | 240.3 | 241.9 |
| 62.5° | 187.1 | 187.1 | 188.7 | 188.7 | 188.7 | 188.7 | 192.0 | 192.0 | 195.2 | 196.8 | 198.4 |
| 65° | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 151.6 | 151.6 | 154.8 |
| 67.5° | 116.1 | 114.5 | 111.3 | 112.9 | 111.3 | 111.3 | 109.7 | 109.7 | 111.3 | 111.3 | 114.5 |
| 70° | 83.9 | 82.3 | 79.1 | 79.1 | 77.5 | 75.9 | 74.2 | 72.5 | 70.9 | 70.9 | 70.9 |
| 72.5° | 54.9 | 51.6 | 46.8 | 45.2 | 45.2 | 41.9 | 38.7 | 37.1 | 37.1 | 37.1 | 37.1 |
| 75° | 27.4 | 24.2 | 21.0 | 19.4 | 19.4 | 16.2 | 17.8 | 16.2 | 16.2 | 16.2 | 16.2 |
| 77.5° | 11.3 | 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 |



TEST NUMBER: P584123

CATALOG NUMBER: HCC8W25D010MW-HM82555830-81RWWC

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 | 1208.1 |
| 2.5° | 1201.7 | 1201.7 | 1198.5 | 1200.1 | 1200.1 | 1200.1 | 1200.1 | 1200.1 |
| 5° | 1187.2 | 1188.8 | 1187.2 | 1188.8 | 1188.8 | 1187.2 | 1187.2 | 1187.2 |
| 7.5° | 1172.7 | 1174.3 | 1172.7 | 1174.3 | 1174.3 | 1174.3 | 1172.7 | 1172.7 |
| 10° | 1155.0 | 1155.0 | 1155.0 | 1155.0 | 1155.0 | 1153.4 | 1155.0 | 1155.0 |
| 12.5° | 1130.8 | 1130.8 | 1130.8 | 1132.4 | 1132.4 | 1130.8 | 1130.8 | 1129.2 |
| 15° | 1105.0 | 1101.7 | 1103.4 | 1105.0 | 1103.4 | 1103.4 | 1103.4 | 1103.4 |
| 17.5° | 1069.5 | 1071.1 | 1069.5 | 1069.5 | 1069.5 | 1069.5 | 1071.1 | 1069.5 |
| 20° | 1032.3 | 1032.3 | 1033.9 | 1032.3 | 1032.3 | 1032.3 | 1032.3 | 1030.7 |
| 22.5° | 990.4 | 988.8 | 988.8 | 990.4 | 990.4 | 988.8 | 990.4 | 990.4 |
| 25° | 943.6 | 945.2 | 943.6 | 943.6 | 945.2 | 945.2 | 945.2 | 943.6 |
| 27.5° | 893.7 | 895.3 | 896.9 | 895.3 | 895.3 | 895.3 | 896.9 | 898.5 |
| 30° | 842.0 | 845.2 | 842.0 | 842.0 | 845.2 | 843.6 | 845.2 | 845.2 |
| 32.5° | 787.2 | 792.0 | 788.8 | 792.0 | 792.0 | 793.6 | 792.0 | 793.6 |
| 35° | 732.3 | 737.1 | 737.1 | 737.1 | 738.7 | 740.4 | 740.4 | 738.7 |
| 37.5° | 680.7 | 682.3 | 682.3 | 685.5 | 687.2 | 688.8 | 688.8 | 687.2 |
| 40° | 627.4 | 630.7 | 632.4 | 632.4 | 632.4 | 635.6 | 638.8 | 635.6 |
| 42.5° | 575.9 | 577.5 | 579.1 | 579.1 | 582.3 | 583.9 | 585.5 | 585.5 |
| 45° | 525.9 | 529.1 | 530.7 | 532.3 | 533.9 | 537.1 | 535.5 | 538.7 |
| 47.5° | 474.2 | 479.0 | 480.6 | 482.4 | 485.6 | 487.2 | 488.8 | 490.4 |
| 50° | 427.5 | 430.7 | 430.7 | 433.9 | 438.7 | 438.7 | 442.0 | 443.6 |
| 52.5° | 380.7 | 382.3 | 383.9 | 385.5 | 388.7 | 391.9 | 391.9 | 395.2 |
| 55° | 335.6 | 337.2 | 337.2 | 338.8 | 340.4 | 346.8 | 348.4 | 348.4 |
| 57.5° | 288.7 | 288.7 | 292.0 | 293.6 | 295.2 | 298.4 | 298.4 | 298.4 |
| 60° | 243.5 | 245.1 | 245.1 | 246.8 | 248.5 | 251.7 | 253.3 | 251.7 |
| 62.5° | 198.4 | 200.0 | 200.0 | 201.6 | 204.9 | 206.5 | 204.9 | 204.9 |
| 65° | 156.4 | 158.0 | 158.0 | 159.6 | 163.0 | 163.0 | 161.4 | 163.0 |
| 67.5° | 114.5 | 114.5 | 114.5 | 114.5 | 114.5 | 114.5 | 114.5 | 114.5 |
| 70° | 72.5 | 70.9 | 69.3 | 70.9 | 70.9 | 70.9 | 69.3 | 72.5 |
| 72.5° | 35.5 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 35.5 |
| 75° | 16.2 | 16.2 | 14.6 | 14.6 | 14.6 | 16.2 | 16.2 | 14.6 |
| 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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— 0°-180° - - 45°-225° - - - - 90°-270°

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(END OF REPORT)