

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: P584165

Luminaire Tested: **HCC8W25D010SL-HM82555840-81WWW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584165
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W25D010SL-HM82555840-81WWW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

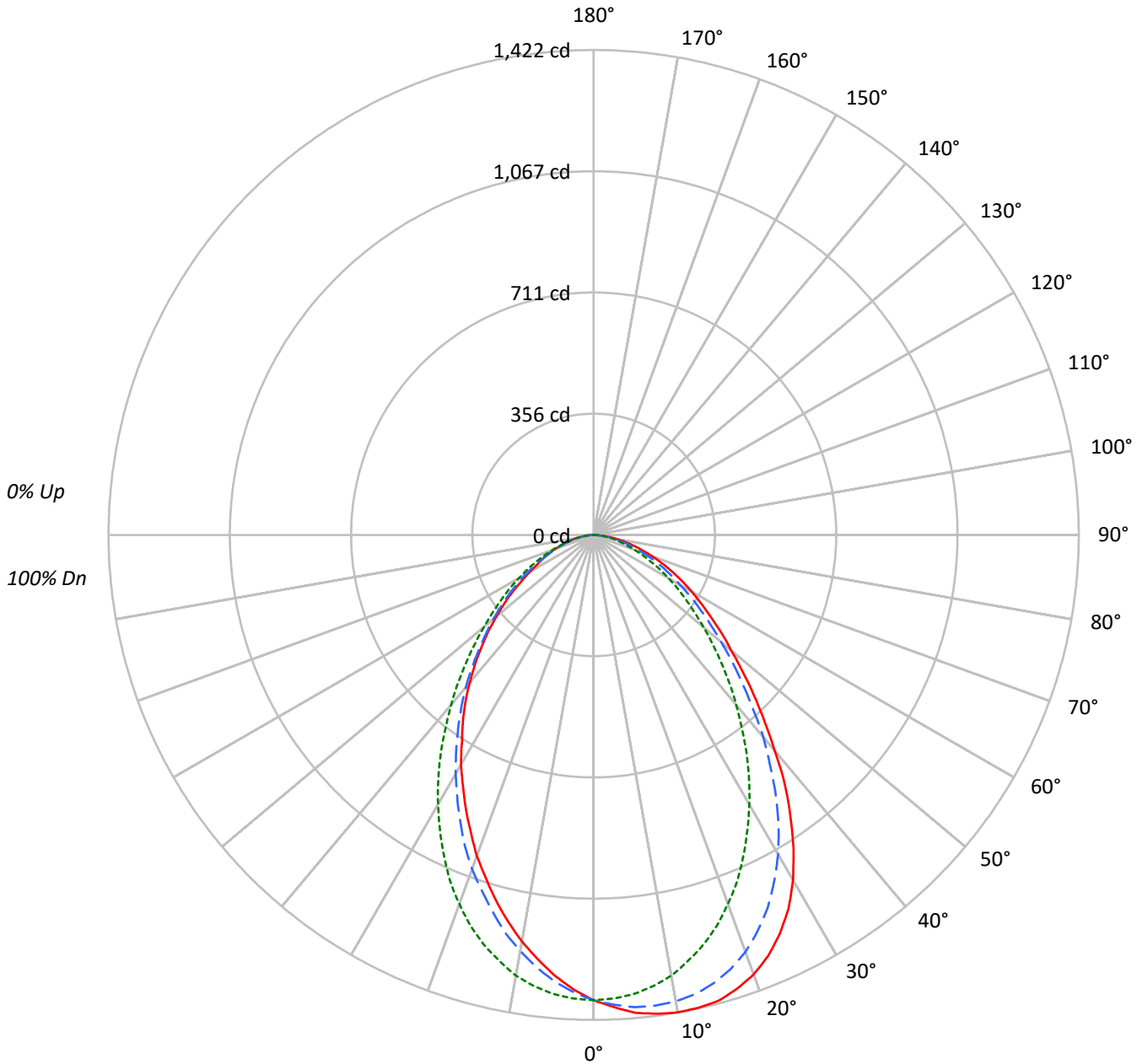
Lumens per Lamp: N/A
Luminaire Lumens: 2517.7 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.04 / 1.13
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P584165
CATALOG NUMBER: HCC8W25D010SL-HM82555840-81WWW

Luminous Intensity Polar Plot



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CATALOG NUMBER: HCC8W25D010SL-HM82555840-81WWW

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 | 93 | 91 | 89 | 87 | | | | | | | | |
| 2 | 102 | 95 | 89 | 84 | 99 | 93 | 88 | 83 | 90 | 85 | 81 | 86 | 83 | 79 | 83 | 80 | 78 | 76 | | | | | | | | |
| 3 | 94 | 85 | 78 | 72 | 92 | 83 | 77 | 71 | 81 | 75 | 70 | 78 | 73 | 69 | 75 | 71 | 68 | 66 | | | | | | | | |
| 4 | 87 | 76 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 68 | 64 | 60 | 58 | | | | | | | | |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 60 | 54 | 64 | 59 | 54 | 63 | 57 | 53 | 51 | | | | | | | | |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 55 | 49 | 61 | 54 | 49 | 59 | 53 | 48 | 57 | 52 | 48 | 46 | | | | | | | | |
| 7 | 70 | 58 | 50 | 44 | 69 | 57 | 50 | 44 | 56 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 43 | 41 | | | | | | | | |
| 8 | 66 | 53 | 46 | 40 | 64 | 53 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 39 | 38 | | | | | | | | |
| 9 | 62 | 49 | 42 | 37 | 60 | 49 | 42 | 37 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 34 | | | | | | | | |
| 10 | 58 | 46 | 39 | 34 | 57 | 45 | 38 | 34 | 44 | 38 | 33 | 44 | 38 | 33 | 43 | 37 | 33 | 32 | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 42067 | 42067 | 42067 |
| 5° | 43546 | 41828 | 40166 |
| 10° | 44513 | 41094 | 37906 |
| 15° | 45147 | 39710 | 35394 |
| 20° | 45009 | 37780 | 32861 |
| 25° | 43898 | 35331 | 30166 |
| 30° | 41589 | 32495 | 27684 |
| 35° | 37840 | 29404 | 25154 |
| 40° | 33234 | 26153 | 22723 |
| 45° | 28978 | 23004 | 20261 |
| 50° | 25219 | 20158 | 17846 |
| 55° | 22494 | 17714 | 15526 |
| 60° | 20438 | 15529 | 13241 |
| 65° | 18373 | 13506 | 12025 |
| 70° | 16355 | 11522 | 10846 |
| 75° | 14333 | 9698 | 9269 |
| 80° | 12164 | 7885 | 8204 |
| 85° | 9164 | 5909 | 6545 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 127.8 | 5.1 |
| 10°-20° | 352.1 | 14.0 |
| 20°-30° | 488.7 | 19.4 |
| 30°-40° | 505.3 | 20.1 |
| 40°-50° | 423.1 | 16.8 |
| 50°-60° | 307.1 | 12.2 |
| 60°-70° | 193.8 | 7.7 |
| 70°-80° | 96.0 | 3.8 |
| 80°-90° | 23.9 | 0.9 |
| 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° | 968.6 | 38.5 |
| 0°-40° | 1473.8 | 58.5 |
| 0°-60° | 2204.0 | 87.5 |
| 0°-90° | 2517.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2517.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1364 | 1364 | 1364 | 1364 | 1364 | |
| 5° | 1407 | 1390 | 1351 | 1314 | 1298 | 135 |
| 15° | 1414 | 1360 | 1244 | 1144 | 1109 | 398 |
| 25° | 1290 | 1207 | 1038 | 926 | 887 | 591 |
| 35° | 1005 | 931 | 781 | 692 | 668 | 626 |
| 45° | 664 | 616 | 528 | 476 | 465 | 514 |
| 55° | 418 | 381 | 330 | 302 | 289 | 378 |
| 65° | 252 | 220 | 185 | 163 | 165 | 251 |
| 75° | 120 | 100 | 81 | 78 | 78 | 129 |
| 85° | 26 | 20 | 17 | 18 | 18 | 31 |
| 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° | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 |
| 2.5° | 1386.4 | 1386.4 | 1388.3 | 1386.4 | 1386.4 | 1386.4 | 1384.6 | 1384.6 | 1382.8 | 1382.8 | 1379.0 |
| 5° | 1406.8 | 1403.1 | 1406.8 | 1403.1 | 1403.1 | 1403.1 | 1401.3 | 1397.5 | 1395.7 | 1392.0 | 1390.1 |
| 7.5° | 1416.0 | 1414.2 | 1414.2 | 1412.3 | 1412.3 | 1410.5 | 1408.7 | 1406.8 | 1399.3 | 1397.5 | 1392.0 |
| 10° | 1421.6 | 1419.8 | 1419.8 | 1417.9 | 1414.2 | 1414.2 | 1410.5 | 1408.7 | 1399.3 | 1395.7 | 1388.3 |
| 12.5° | 1419.8 | 1419.8 | 1419.8 | 1417.9 | 1412.3 | 1410.5 | 1406.8 | 1401.3 | 1393.8 | 1386.4 | 1379.0 |
| 15° | 1414.2 | 1414.2 | 1410.5 | 1408.7 | 1403.1 | 1399.3 | 1397.5 | 1388.3 | 1380.8 | 1371.6 | 1360.5 |
| 17.5° | 1395.7 | 1395.7 | 1393.8 | 1390.1 | 1384.6 | 1380.8 | 1377.2 | 1367.9 | 1360.5 | 1345.7 | 1334.6 |
| 20° | 1371.6 | 1369.8 | 1367.9 | 1362.3 | 1356.8 | 1354.9 | 1349.4 | 1336.4 | 1327.2 | 1316.1 | 1301.3 |
| 22.5° | 1336.4 | 1334.6 | 1332.8 | 1329.0 | 1319.8 | 1316.1 | 1312.4 | 1303.2 | 1286.5 | 1275.3 | 1256.8 |
| 25° | 1290.2 | 1290.2 | 1286.5 | 1280.9 | 1271.7 | 1268.0 | 1262.4 | 1253.2 | 1238.3 | 1221.7 | 1206.9 |
| 27.5° | 1236.5 | 1234.7 | 1229.1 | 1225.4 | 1218.0 | 1212.4 | 1203.2 | 1192.1 | 1177.2 | 1164.3 | 1145.8 |
| 30° | 1168.0 | 1168.0 | 1164.3 | 1158.7 | 1149.5 | 1145.8 | 1138.4 | 1125.4 | 1110.7 | 1094.0 | 1081.0 |
| 32.5° | 1090.2 | 1090.2 | 1084.7 | 1081.0 | 1075.5 | 1066.1 | 1064.3 | 1049.6 | 1036.6 | 1023.7 | 1008.8 |
| 35° | 1005.2 | 1007.0 | 1003.2 | 995.8 | 986.6 | 986.6 | 982.9 | 970.0 | 955.2 | 942.1 | 931.1 |
| 37.5° | 920.0 | 914.4 | 912.6 | 908.9 | 903.3 | 895.9 | 892.2 | 886.6 | 873.7 | 864.5 | 847.8 |
| 40° | 825.6 | 827.4 | 823.7 | 820.0 | 818.1 | 812.6 | 810.7 | 801.5 | 792.2 | 781.1 | 773.7 |
| 42.5° | 740.4 | 740.4 | 740.4 | 736.7 | 733.1 | 727.5 | 725.6 | 720.0 | 709.0 | 701.5 | 690.5 |
| 45° | 664.5 | 659.0 | 659.0 | 657.1 | 655.3 | 651.5 | 646.1 | 642.3 | 634.9 | 629.4 | 616.4 |
| 47.5° | 590.5 | 592.4 | 590.5 | 588.6 | 583.0 | 581.2 | 579.4 | 572.0 | 564.5 | 559.0 | 549.8 |
| 50° | 525.7 | 529.4 | 525.7 | 525.7 | 521.9 | 520.1 | 516.5 | 510.9 | 505.4 | 496.1 | 486.8 |
| 52.5° | 472.0 | 472.0 | 470.2 | 468.3 | 462.8 | 459.0 | 457.2 | 455.4 | 446.1 | 438.7 | 431.3 |
| 55° | 418.4 | 420.2 | 420.2 | 414.6 | 412.8 | 409.1 | 407.2 | 401.7 | 397.9 | 386.9 | 381.3 |
| 57.5° | 372.0 | 370.2 | 372.0 | 368.4 | 364.7 | 360.9 | 359.1 | 355.3 | 349.9 | 342.4 | 335.0 |
| 60° | 331.4 | 327.6 | 327.6 | 325.8 | 322.1 | 320.3 | 316.5 | 310.9 | 305.4 | 298.0 | 292.4 |
| 62.5° | 290.6 | 288.8 | 286.9 | 285.0 | 281.4 | 279.5 | 277.7 | 272.1 | 266.5 | 261.0 | 255.4 |
| 65° | 251.8 | 251.8 | 249.8 | 246.2 | 244.4 | 242.5 | 240.6 | 236.9 | 229.5 | 225.9 | 220.3 |
| 67.5° | 216.6 | 214.7 | 214.7 | 211.0 | 207.4 | 205.4 | 205.4 | 201.8 | 196.2 | 190.7 | 186.9 |
| 70° | 181.4 | 183.3 | 181.4 | 179.5 | 175.8 | 175.8 | 172.2 | 170.3 | 162.9 | 161.0 | 155.5 |
| 72.5° | 149.9 | 149.9 | 148.1 | 148.1 | 144.3 | 142.5 | 142.5 | 138.8 | 135.1 | 131.4 | 127.8 |
| 75° | 120.3 | 120.3 | 120.3 | 118.4 | 116.6 | 112.9 | 112.9 | 111.1 | 107.3 | 103.7 | 99.9 |
| 77.5° | 94.4 | 92.6 | 92.6 | 90.7 | 88.8 | 87.0 | 87.0 | 85.2 | 81.4 | 79.6 | 75.9 |
| 80° | 68.5 | 66.7 | 66.7 | 66.7 | 62.9 | 64.7 | 62.9 | 61.1 | 59.3 | 57.4 | 55.5 |
| 82.5° | 44.4 | 46.2 | 46.2 | 44.4 | 42.6 | 42.6 | 42.6 | 40.8 | 40.8 | 38.8 | 37.0 |
| 85° | 25.9 | 25.9 | 25.9 | 25.9 | 24.1 | 24.1 | 24.1 | 22.3 | 22.3 | 22.3 | 20.3 |
| 87.5° | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 |
| 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° | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 |
| 2.5° | 1379.0 | 1375.3 | 1373.5 | 1371.6 | 1371.6 | 1369.8 | 1367.9 | 1364.2 | 1364.2 | 1360.5 | 1358.7 |
| 5° | 1386.4 | 1380.8 | 1377.2 | 1373.5 | 1371.6 | 1367.9 | 1364.2 | 1358.7 | 1356.8 | 1351.3 | 1345.7 |
| 7.5° | 1388.3 | 1379.0 | 1375.3 | 1367.9 | 1364.2 | 1360.5 | 1353.1 | 1347.6 | 1340.2 | 1334.6 | 1327.2 |
| 10° | 1380.8 | 1373.5 | 1364.2 | 1354.9 | 1353.1 | 1347.6 | 1336.4 | 1329.0 | 1319.8 | 1312.4 | 1301.3 |
| 12.5° | 1369.8 | 1358.7 | 1349.4 | 1338.2 | 1332.8 | 1327.2 | 1316.1 | 1305.0 | 1292.0 | 1279.1 | 1268.0 |
| 15° | 1351.3 | 1338.2 | 1325.3 | 1312.4 | 1305.0 | 1299.4 | 1286.5 | 1273.5 | 1260.6 | 1243.9 | 1232.7 |
| 17.5° | 1323.5 | 1308.7 | 1295.8 | 1279.1 | 1271.7 | 1266.1 | 1249.4 | 1234.7 | 1218.0 | 1201.3 | 1190.3 |
| 20° | 1288.3 | 1269.8 | 1255.0 | 1236.5 | 1230.9 | 1221.7 | 1205.0 | 1188.3 | 1169.8 | 1151.3 | 1138.4 |
| 22.5° | 1242.1 | 1223.5 | 1206.9 | 1188.3 | 1179.1 | 1169.8 | 1153.2 | 1132.8 | 1114.3 | 1099.5 | 1086.6 |
| 25° | 1188.3 | 1171.8 | 1151.3 | 1134.7 | 1123.6 | 1112.5 | 1094.0 | 1077.3 | 1060.7 | 1038.4 | 1025.5 |
| 27.5° | 1129.2 | 1108.7 | 1094.0 | 1071.7 | 1060.7 | 1053.2 | 1032.9 | 1010.6 | 995.8 | 975.5 | 960.6 |
| 30° | 1062.5 | 1044.0 | 1027.3 | 1005.2 | 994.0 | 986.6 | 968.1 | 947.7 | 932.9 | 912.6 | 897.7 |
| 32.5° | 992.2 | 971.8 | 951.4 | 936.7 | 923.6 | 916.2 | 895.9 | 883.0 | 864.5 | 847.8 | 831.1 |
| 35° | 916.2 | 895.9 | 881.1 | 860.7 | 853.3 | 845.9 | 829.2 | 812.6 | 796.0 | 781.1 | 768.2 |
| 37.5° | 834.8 | 820.0 | 803.4 | 788.6 | 783.0 | 775.5 | 755.2 | 740.4 | 727.5 | 712.6 | 701.5 |
| 40° | 755.2 | 742.3 | 731.1 | 716.4 | 707.1 | 701.5 | 686.7 | 673.8 | 659.0 | 649.7 | 638.6 |
| 42.5° | 683.0 | 668.2 | 657.1 | 646.1 | 636.8 | 631.2 | 618.2 | 609.0 | 597.9 | 588.6 | 575.7 |
| 45° | 607.1 | 599.7 | 586.8 | 577.5 | 572.0 | 564.5 | 555.3 | 544.2 | 535.0 | 527.5 | 518.3 |
| 47.5° | 540.5 | 533.1 | 523.9 | 512.7 | 509.0 | 503.4 | 494.2 | 486.8 | 479.5 | 472.0 | 462.8 |
| 50° | 479.5 | 470.2 | 462.8 | 455.4 | 451.6 | 446.1 | 436.9 | 433.1 | 427.6 | 420.2 | 414.6 |
| 52.5° | 423.9 | 416.4 | 409.1 | 399.9 | 397.9 | 394.3 | 388.7 | 381.3 | 375.8 | 372.0 | 368.4 |
| 55° | 373.9 | 366.5 | 360.9 | 353.5 | 351.7 | 348.0 | 340.6 | 336.8 | 333.2 | 329.5 | 325.8 |
| 57.5° | 329.5 | 322.1 | 314.7 | 310.9 | 307.3 | 303.6 | 301.7 | 296.2 | 292.4 | 290.6 | 286.9 |
| 60° | 288.8 | 281.4 | 275.8 | 270.3 | 268.4 | 266.5 | 262.9 | 259.2 | 255.4 | 251.8 | 249.8 |
| 62.5° | 249.8 | 242.5 | 238.8 | 235.1 | 231.3 | 231.3 | 227.7 | 224.0 | 220.3 | 218.4 | 214.7 |
| 65° | 214.7 | 211.0 | 205.4 | 199.9 | 198.1 | 198.1 | 192.5 | 190.7 | 188.9 | 185.1 | 181.4 |
| 67.5° | 181.4 | 177.7 | 172.2 | 170.3 | 168.4 | 166.6 | 164.8 | 161.0 | 157.3 | 155.5 | 151.8 |
| 70° | 151.8 | 148.1 | 144.3 | 142.5 | 140.7 | 138.8 | 135.1 | 133.3 | 129.6 | 127.8 | 125.8 |
| 72.5° | 122.2 | 120.3 | 116.6 | 114.8 | 112.9 | 111.1 | 109.2 | 107.3 | 103.7 | 101.8 | 99.9 |
| 75° | 98.1 | 96.3 | 92.6 | 90.7 | 88.8 | 88.8 | 87.0 | 83.2 | 81.4 | 81.4 | 79.6 |
| 77.5° | 74.0 | 72.2 | 70.3 | 68.5 | 66.7 | 66.7 | 64.7 | 62.9 | 61.1 | 61.1 | 59.3 |
| 80° | 53.7 | 51.8 | 50.0 | 50.0 | 50.0 | 48.2 | 46.2 | 46.2 | 44.4 | 44.4 | 42.6 |
| 82.5° | 35.2 | 35.2 | 33.3 | 33.3 | 33.3 | 31.5 | 31.5 | 29.6 | 29.6 | 29.6 | 29.6 |
| 85° | 20.3 | 20.3 | 20.3 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 16.7 | 18.5 |
| 87.5° | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 7.4 | 7.4 | 7.4 |
| 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° | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 |
| 2.5° | 1356.8 | 1354.9 | 1351.3 | 1351.3 | 1347.6 | 1347.6 | 1345.7 | 1343.8 | 1342.0 | 1340.2 | 1338.2 |
| 5° | 1343.8 | 1336.4 | 1332.8 | 1330.9 | 1327.2 | 1325.3 | 1319.8 | 1316.1 | 1314.3 | 1310.5 | 1306.8 |
| 7.5° | 1319.8 | 1312.4 | 1305.0 | 1303.2 | 1301.3 | 1293.8 | 1288.3 | 1282.8 | 1279.1 | 1275.3 | 1271.7 |
| 10° | 1292.0 | 1284.6 | 1275.3 | 1271.7 | 1268.0 | 1258.7 | 1251.3 | 1245.8 | 1238.3 | 1230.9 | 1229.1 |
| 12.5° | 1258.7 | 1247.6 | 1236.5 | 1232.7 | 1227.3 | 1218.0 | 1210.6 | 1201.3 | 1195.7 | 1186.5 | 1184.7 |
| 15° | 1219.8 | 1206.9 | 1197.7 | 1188.3 | 1184.7 | 1175.4 | 1162.4 | 1155.1 | 1143.9 | 1140.2 | 1131.0 |
| 17.5° | 1173.6 | 1160.6 | 1147.7 | 1143.9 | 1138.4 | 1125.4 | 1112.5 | 1103.2 | 1092.1 | 1086.6 | 1081.0 |
| 20° | 1125.4 | 1108.7 | 1095.8 | 1092.1 | 1084.7 | 1073.6 | 1060.7 | 1051.4 | 1042.2 | 1031.1 | 1025.5 |
| 22.5° | 1069.9 | 1051.4 | 1040.3 | 1031.1 | 1029.1 | 1016.2 | 1001.4 | 994.0 | 986.6 | 977.3 | 970.0 |
| 25° | 1008.8 | 992.2 | 979.2 | 971.8 | 968.1 | 957.0 | 945.9 | 936.7 | 925.6 | 920.0 | 910.7 |
| 27.5° | 945.9 | 934.8 | 918.2 | 910.7 | 905.1 | 895.9 | 883.0 | 877.4 | 866.3 | 858.9 | 853.3 |
| 30° | 884.8 | 868.1 | 858.9 | 849.6 | 844.1 | 834.8 | 823.7 | 818.1 | 808.9 | 801.5 | 796.0 |
| 32.5° | 818.1 | 807.1 | 794.0 | 790.4 | 783.0 | 773.7 | 766.3 | 757.0 | 749.6 | 742.3 | 740.4 |
| 35° | 757.0 | 742.3 | 729.3 | 725.6 | 720.0 | 710.8 | 707.1 | 701.5 | 692.3 | 690.5 | 683.0 |
| 37.5° | 690.5 | 683.0 | 668.2 | 662.7 | 660.8 | 653.4 | 646.1 | 642.3 | 636.8 | 631.2 | 629.4 |
| 40° | 627.6 | 618.2 | 610.9 | 605.3 | 601.6 | 596.0 | 588.6 | 586.8 | 583.0 | 575.7 | 573.8 |
| 42.5° | 568.3 | 559.0 | 551.6 | 549.8 | 544.2 | 538.6 | 535.0 | 529.4 | 527.5 | 525.7 | 521.9 |
| 45° | 510.9 | 505.4 | 498.0 | 496.1 | 494.2 | 486.8 | 483.1 | 479.5 | 475.7 | 473.9 | 470.2 |
| 47.5° | 459.0 | 453.5 | 447.9 | 446.1 | 442.4 | 440.5 | 435.0 | 433.1 | 427.6 | 425.8 | 423.9 |
| 50° | 409.1 | 405.4 | 401.7 | 399.9 | 396.1 | 394.3 | 390.6 | 386.9 | 383.2 | 381.3 | 379.4 |
| 52.5° | 364.7 | 360.9 | 357.3 | 355.3 | 353.5 | 349.9 | 346.1 | 342.4 | 340.6 | 338.8 | 336.8 |
| 55° | 322.1 | 318.4 | 316.5 | 314.7 | 312.9 | 310.9 | 305.4 | 303.6 | 301.7 | 299.9 | 296.2 |
| 57.5° | 283.2 | 279.5 | 275.8 | 275.8 | 273.9 | 272.1 | 268.4 | 264.7 | 264.7 | 261.0 | 257.3 |
| 60° | 248.0 | 244.4 | 240.6 | 238.8 | 236.9 | 233.3 | 231.3 | 229.5 | 227.7 | 225.9 | 222.1 |
| 62.5° | 211.0 | 209.2 | 205.4 | 205.4 | 201.8 | 199.9 | 198.1 | 196.2 | 194.3 | 190.7 | 188.9 |
| 65° | 179.5 | 177.7 | 174.0 | 172.2 | 172.2 | 170.3 | 166.6 | 164.8 | 162.9 | 162.9 | 161.0 |
| 67.5° | 149.9 | 148.1 | 144.3 | 142.5 | 142.5 | 140.7 | 138.8 | 138.8 | 137.0 | 135.1 | 137.0 |
| 70° | 124.0 | 120.3 | 120.3 | 118.4 | 118.4 | 116.6 | 114.8 | 114.8 | 114.8 | 116.6 | 116.6 |
| 72.5° | 98.1 | 96.3 | 94.4 | 94.4 | 94.4 | 94.4 | 92.6 | 92.6 | 94.4 | 96.3 | 96.3 |
| 75° | 77.8 | 75.9 | 75.9 | 75.9 | 74.0 | 74.0 | 75.9 | 75.9 | 77.8 | 77.8 | 77.8 |
| 77.5° | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 59.3 | 59.3 | 61.1 | 61.1 | 61.1 |
| 80° | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 46.2 |
| 82.5° | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 31.5 | 31.5 | 31.5 | 31.5 |
| 85° | 16.7 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 |
| 87.5° | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 |
| 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: P584165

CATALOG NUMBER: HCC8W25D010SL-HM82555840-81WWW

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 | 1364.2 |
| 2.5° | 1336.4 | 1336.4 | 1336.4 | 1338.2 | 1334.6 | 1334.6 | 1334.6 | 1334.6 |
| 5° | 1305.0 | 1303.2 | 1301.3 | 1303.2 | 1299.4 | 1299.4 | 1297.6 | 1297.6 |
| 7.5° | 1266.1 | 1264.3 | 1262.4 | 1262.4 | 1258.7 | 1258.7 | 1256.8 | 1255.0 |
| 10° | 1223.5 | 1219.8 | 1221.7 | 1218.0 | 1216.2 | 1214.2 | 1212.4 | 1210.6 |
| 12.5° | 1177.2 | 1173.6 | 1171.8 | 1168.0 | 1164.3 | 1162.4 | 1164.3 | 1160.6 |
| 15° | 1127.2 | 1121.7 | 1119.9 | 1116.2 | 1112.5 | 1110.7 | 1110.7 | 1108.7 |
| 17.5° | 1071.7 | 1068.1 | 1066.1 | 1062.5 | 1060.7 | 1056.9 | 1055.1 | 1053.2 |
| 20° | 1019.9 | 1010.6 | 1012.5 | 1008.8 | 1007.0 | 999.6 | 999.6 | 1001.4 |
| 22.5° | 962.6 | 957.0 | 953.3 | 949.6 | 947.7 | 944.1 | 944.1 | 942.1 |
| 25° | 905.1 | 899.7 | 897.7 | 894.1 | 892.2 | 888.5 | 886.6 | 886.6 |
| 27.5° | 849.6 | 842.2 | 842.2 | 838.6 | 834.8 | 833.0 | 831.1 | 829.2 |
| 30° | 790.4 | 784.8 | 783.0 | 783.0 | 781.1 | 781.1 | 775.5 | 777.5 |
| 32.5° | 734.9 | 731.1 | 729.3 | 725.6 | 725.6 | 723.7 | 723.7 | 718.2 |
| 35° | 679.3 | 673.8 | 675.6 | 672.0 | 670.0 | 668.2 | 670.0 | 668.2 |
| 37.5° | 625.6 | 622.0 | 622.0 | 618.2 | 618.2 | 616.4 | 614.5 | 618.2 |
| 40° | 572.0 | 570.1 | 568.3 | 566.5 | 568.3 | 566.5 | 562.7 | 564.5 |
| 42.5° | 518.3 | 518.3 | 516.5 | 516.5 | 514.6 | 514.6 | 514.6 | 514.6 |
| 45° | 470.2 | 468.3 | 468.3 | 466.4 | 466.4 | 466.4 | 466.4 | 464.6 |
| 47.5° | 422.0 | 420.2 | 420.2 | 420.2 | 418.4 | 418.4 | 416.4 | 418.4 |
| 50° | 375.8 | 375.8 | 373.9 | 373.9 | 375.8 | 373.9 | 372.0 | 372.0 |
| 52.5° | 333.2 | 333.2 | 331.4 | 331.4 | 329.5 | 327.6 | 329.5 | 329.5 |
| 55° | 294.4 | 292.4 | 290.6 | 290.6 | 288.8 | 286.9 | 286.9 | 288.8 |
| 57.5° | 257.3 | 255.4 | 253.6 | 253.6 | 249.8 | 248.0 | 248.0 | 248.0 |
| 60° | 222.1 | 218.4 | 218.4 | 216.6 | 216.6 | 214.7 | 214.7 | 214.7 |
| 62.5° | 188.9 | 186.9 | 186.9 | 186.9 | 186.9 | 185.1 | 185.1 | 185.1 |
| 65° | 161.0 | 161.0 | 161.0 | 162.9 | 162.9 | 164.8 | 164.8 | 164.8 |
| 67.5° | 138.8 | 140.7 | 140.7 | 140.7 | 142.5 | 142.5 | 142.5 | 140.7 |
| 70° | 118.4 | 118.4 | 118.4 | 120.3 | 120.3 | 120.3 | 120.3 | 120.3 |
| 72.5° | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 75° | 77.8 | 79.6 | 79.6 | 79.6 | 77.8 | 79.6 | 79.6 | 77.8 |
| 77.5° | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 |
| 80° | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 |
| 82.5° | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 |
| 85° | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 |
| 87.5° | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 |
| 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



Report Generated By 670245859 / DESKTOP-T8S5UU9

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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)