

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: P584453

Luminaire Tested: **HCC8S35D010MB-HM82555927-81WWBB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
 Report Number: P584453
 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: HCC8S35D010MB-HM82555927-81WWBB
 Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
 Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
 Ballast/Driver: ELECTRONIC DRIVER

Summary

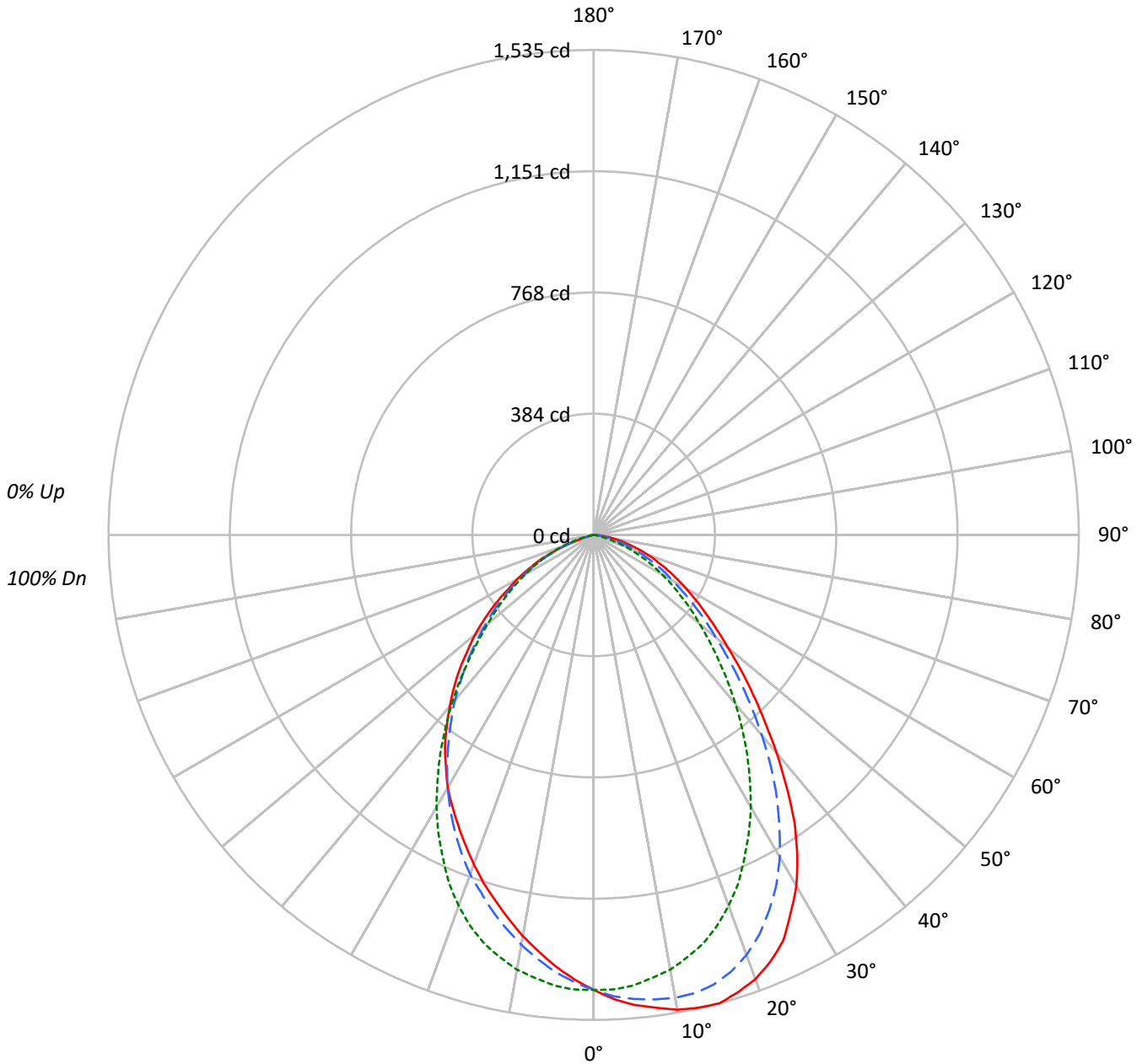
Lumens per Lamp: N/A
 Luminaire Lumens: 2682.5 lumens
 Efficiency: N/A
 Efficacy: 79.6 lumens/watt
 Spacing Criteria (0/90/45): 1.15 / 1.07 / 1.16
 Luminous Opening: Circular (Dia: 0.67' x H: 0')
 CIE Type: Direct

Input Watts (W): 33.7
 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: P584453
CATALOG NUMBER: HCC8S35D010MB-HM82555927-81WWBB

Luminous Intensity Polar Plot





TEST NUMBER: P584453

CATALOG NUMBER: HCC8S35D010MB-HM82555927-81WWBB

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° | 44407 | 44407 | 44407 |
| 5° | 46242 | 44311 | 42444 |
| 10° | 47792 | 43746 | 40374 |
| 15° | 49000 | 42743 | 38280 |
| 20° | 49095 | 40973 | 36379 |
| 25° | 48267 | 38379 | 34497 |
| 30° | 45680 | 35411 | 32883 |
| 35° | 41653 | 31847 | 30876 |
| 40° | 36221 | 28077 | 28512 |
| 45° | 31076 | 24312 | 26096 |
| 50° | 26539 | 20964 | 23444 |
| 55° | 23263 | 18053 | 20365 |
| 60° | 20710 | 15400 | 17126 |
| 65° | 18373 | 12565 | 13659 |
| 70° | 16301 | 9313 | 7763 |
| 75° | 13582 | 4873 | 2311 |
| 80° | 10708 | 1527 | 391 |
| 85° | 7642 | 778 | 0 |



TEST NUMBER: P584453
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 135.7 | 5.1 |
| 10°-20° | 380.3 | 14.2 |
| 20°-30° | 538.3 | 20.1 |
| 30°-40° | 563.2 | 21.0 |
| 40°-50° | 469.7 | 17.5 |
| 50°-60° | 333.1 | 12.4 |
| 60°-70° | 191.9 | 7.2 |
| 70°-80° | 61.7 | 2.3 |
| 80°-90° | 8.5 | 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° | 1054.4 | 39.3 |
| 0°-40° | 1617.5 | 60.3 |
| 0°-60° | 2420.4 | 90.2 |
| 0°-90° | 2682.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2682.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1440 | 1440 | 1440 | 1440 | 1440 | |
| 5° | 1494 | 1474 | 1432 | 1388 | 1371 | 143 |
| 15° | 1535 | 1472 | 1339 | 1234 | 1199 | 432 |
| 25° | 1419 | 1313 | 1128 | 1038 | 1014 | 647 |
| 35° | 1106 | 1010 | 846 | 801 | 820 | 686 |
| 45° | 713 | 654 | 558 | 564 | 598 | 552 |
| 55° | 433 | 387 | 336 | 353 | 379 | 391 |
| 65° | 252 | 211 | 172 | 172 | 187 | 252 |
| 75° | 114 | 84 | 41 | 19 | 19 | 124 |
| 85° | 22 | 11 | 2 | 0 | 0 | 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° | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 |
| 2.5° | 1470.3 | 1468.1 | 1466.0 | 1468.1 | 1466.0 | 1468.1 | 1466.0 | 1466.0 | 1463.8 | 1461.7 | 1461.7 |
| 5° | 1493.9 | 1491.7 | 1491.7 | 1491.7 | 1489.6 | 1487.4 | 1487.4 | 1485.3 | 1481.0 | 1478.8 | 1474.5 |
| 7.5° | 1509.0 | 1511.2 | 1511.2 | 1511.2 | 1506.8 | 1506.8 | 1502.5 | 1498.2 | 1493.9 | 1489.6 | 1483.1 |
| 10° | 1526.3 | 1526.3 | 1524.1 | 1521.9 | 1517.6 | 1515.5 | 1513.3 | 1509.0 | 1502.5 | 1493.9 | 1487.4 |
| 12.5° | 1532.7 | 1532.7 | 1530.6 | 1526.3 | 1524.1 | 1521.9 | 1519.8 | 1513.3 | 1504.7 | 1493.9 | 1485.3 |
| 15° | 1534.9 | 1530.6 | 1528.4 | 1526.3 | 1521.9 | 1515.5 | 1515.5 | 1506.8 | 1496.1 | 1483.1 | 1472.5 |
| 17.5° | 1517.6 | 1519.8 | 1515.5 | 1511.2 | 1504.7 | 1500.4 | 1493.9 | 1487.4 | 1474.5 | 1459.5 | 1448.7 |
| 20° | 1496.1 | 1493.9 | 1491.7 | 1485.3 | 1476.7 | 1474.5 | 1468.1 | 1457.4 | 1446.6 | 1429.3 | 1414.2 |
| 22.5° | 1461.7 | 1459.5 | 1455.2 | 1450.9 | 1442.3 | 1438.0 | 1431.5 | 1418.6 | 1403.6 | 1386.3 | 1369.1 |
| 25° | 1418.6 | 1414.2 | 1407.8 | 1399.3 | 1392.8 | 1388.5 | 1379.9 | 1366.9 | 1349.7 | 1330.4 | 1313.1 |
| 27.5° | 1349.7 | 1356.1 | 1351.8 | 1338.9 | 1332.5 | 1323.9 | 1321.8 | 1304.5 | 1289.4 | 1270.0 | 1250.7 |
| 30° | 1282.9 | 1282.9 | 1276.5 | 1270.0 | 1259.3 | 1252.9 | 1244.2 | 1231.3 | 1216.2 | 1192.6 | 1177.5 |
| 32.5° | 1199.1 | 1196.9 | 1188.3 | 1186.1 | 1177.5 | 1164.6 | 1162.4 | 1145.2 | 1130.2 | 1112.9 | 1093.5 |
| 35° | 1106.5 | 1102.2 | 1093.5 | 1087.1 | 1082.8 | 1076.3 | 1069.8 | 1054.8 | 1039.7 | 1022.5 | 1009.6 |
| 37.5° | 1000.9 | 1000.9 | 998.8 | 988.1 | 983.8 | 979.5 | 973.0 | 957.9 | 949.3 | 932.0 | 919.2 |
| 40° | 899.8 | 897.7 | 891.2 | 889.0 | 884.7 | 878.3 | 873.9 | 865.3 | 852.5 | 839.6 | 826.6 |
| 42.5° | 800.7 | 802.9 | 794.3 | 796.4 | 787.9 | 783.6 | 781.5 | 768.5 | 762.0 | 749.1 | 738.3 |
| 45° | 712.6 | 710.4 | 706.1 | 703.9 | 699.6 | 695.3 | 691.0 | 684.5 | 673.8 | 660.8 | 654.3 |
| 47.5° | 630.7 | 624.3 | 624.3 | 622.1 | 620.0 | 611.3 | 609.2 | 602.7 | 596.2 | 583.3 | 574.8 |
| 50° | 553.2 | 553.2 | 553.2 | 551.1 | 544.6 | 542.5 | 538.1 | 531.7 | 525.2 | 516.6 | 503.8 |
| 52.5° | 490.8 | 490.8 | 490.8 | 488.7 | 480.0 | 477.9 | 475.7 | 467.1 | 458.5 | 452.0 | 443.5 |
| 55° | 432.7 | 434.9 | 432.7 | 428.4 | 421.9 | 421.9 | 415.5 | 411.2 | 402.5 | 396.1 | 387.4 |
| 57.5° | 383.1 | 383.1 | 378.8 | 376.8 | 372.5 | 370.3 | 366.0 | 361.7 | 350.9 | 344.4 | 333.6 |
| 60° | 335.8 | 333.6 | 333.6 | 329.3 | 325.0 | 320.7 | 318.5 | 312.1 | 307.9 | 297.1 | 288.5 |
| 62.5° | 292.8 | 292.8 | 288.5 | 288.5 | 279.9 | 279.9 | 277.7 | 271.2 | 264.8 | 254.0 | 249.7 |
| 65° | 251.8 | 251.8 | 249.7 | 247.5 | 241.0 | 239.0 | 236.8 | 230.4 | 223.9 | 217.4 | 211.0 |
| 67.5° | 215.3 | 215.3 | 211.0 | 208.8 | 204.5 | 202.3 | 198.0 | 193.7 | 187.2 | 180.8 | 174.3 |
| 70° | 180.8 | 178.6 | 176.5 | 174.3 | 170.1 | 168.0 | 163.6 | 159.3 | 152.9 | 148.6 | 142.1 |
| 72.5° | 146.4 | 146.4 | 144.2 | 139.9 | 137.8 | 135.6 | 133.5 | 129.1 | 122.7 | 116.2 | 111.9 |
| 75° | 114.0 | 114.0 | 114.0 | 109.7 | 105.4 | 103.3 | 103.3 | 99.1 | 94.8 | 88.3 | 84.0 |
| 77.5° | 88.3 | 86.1 | 84.0 | 84.0 | 79.7 | 77.5 | 75.4 | 73.2 | 66.7 | 64.6 | 60.3 |
| 80° | 60.3 | 62.4 | 60.3 | 58.1 | 55.9 | 53.8 | 53.8 | 49.5 | 47.3 | 43.0 | 38.7 |
| 82.5° | 40.9 | 38.7 | 38.7 | 36.5 | 36.5 | 34.4 | 34.4 | 30.2 | 28.0 | 25.9 | 23.7 |
| 85° | 21.6 | 21.6 | 19.4 | 19.4 | 19.4 | 17.3 | 17.3 | 15.1 | 15.1 | 12.9 | 10.8 |
| 87.5° | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 4.3 | 4.3 | 4.3 |
| 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° | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 |
| 2.5° | 1459.5 | 1455.2 | 1453.1 | 1453.1 | 1450.9 | 1448.7 | 1446.6 | 1444.4 | 1440.1 | 1440.1 | 1435.8 |
| 5° | 1470.3 | 1466.0 | 1463.8 | 1457.4 | 1453.1 | 1453.1 | 1444.4 | 1442.3 | 1435.8 | 1431.5 | 1427.2 |
| 7.5° | 1478.8 | 1470.3 | 1463.8 | 1457.4 | 1453.1 | 1448.7 | 1440.1 | 1431.5 | 1422.9 | 1414.2 | 1409.9 |
| 10° | 1478.8 | 1470.3 | 1459.5 | 1448.7 | 1444.4 | 1440.1 | 1429.3 | 1416.4 | 1405.7 | 1397.1 | 1386.3 |
| 12.5° | 1474.5 | 1461.7 | 1448.7 | 1440.1 | 1431.5 | 1425.0 | 1412.1 | 1399.3 | 1386.3 | 1369.1 | 1360.4 |
| 15° | 1461.7 | 1444.4 | 1431.5 | 1416.4 | 1409.9 | 1399.3 | 1388.5 | 1369.1 | 1354.0 | 1338.9 | 1328.2 |
| 17.5° | 1435.8 | 1414.2 | 1399.3 | 1384.2 | 1373.4 | 1366.9 | 1349.7 | 1332.5 | 1315.3 | 1298.0 | 1285.1 |
| 20° | 1397.1 | 1377.7 | 1360.4 | 1341.0 | 1332.5 | 1323.9 | 1302.3 | 1285.1 | 1268.0 | 1248.6 | 1235.6 |
| 22.5° | 1349.7 | 1330.4 | 1306.7 | 1291.6 | 1278.6 | 1268.0 | 1248.6 | 1229.1 | 1211.9 | 1194.8 | 1177.5 |
| 25° | 1291.6 | 1272.2 | 1250.7 | 1227.0 | 1218.4 | 1207.6 | 1186.1 | 1166.7 | 1147.3 | 1128.0 | 1112.9 |
| 27.5° | 1229.1 | 1203.3 | 1186.1 | 1160.3 | 1151.6 | 1140.9 | 1117.3 | 1095.7 | 1078.4 | 1063.3 | 1046.2 |
| 30° | 1153.8 | 1134.4 | 1110.8 | 1087.1 | 1078.4 | 1067.7 | 1048.4 | 1029.0 | 1011.7 | 994.5 | 977.3 |
| 32.5° | 1072.0 | 1052.7 | 1029.0 | 1011.7 | 998.8 | 990.3 | 970.9 | 953.6 | 936.4 | 919.2 | 904.1 |
| 35° | 986.0 | 964.4 | 947.1 | 929.9 | 919.2 | 908.4 | 889.0 | 873.9 | 861.0 | 846.0 | 830.9 |
| 37.5° | 897.7 | 882.6 | 865.3 | 846.0 | 835.2 | 826.6 | 811.5 | 794.3 | 783.6 | 770.7 | 759.9 |
| 40° | 811.5 | 794.3 | 779.3 | 762.0 | 753.4 | 747.0 | 731.9 | 719.0 | 708.3 | 697.5 | 691.0 |
| 42.5° | 723.2 | 708.3 | 693.2 | 682.4 | 675.9 | 669.4 | 658.7 | 643.7 | 637.2 | 626.4 | 620.0 |
| 45° | 641.5 | 628.6 | 617.8 | 602.7 | 598.4 | 594.1 | 581.3 | 570.5 | 564.0 | 557.5 | 553.2 |
| 47.5° | 564.0 | 555.4 | 542.5 | 533.8 | 527.4 | 523.0 | 514.4 | 505.9 | 499.4 | 495.1 | 490.8 |
| 50° | 497.3 | 486.5 | 477.9 | 469.3 | 464.9 | 458.5 | 449.8 | 445.7 | 441.3 | 437.0 | 437.0 |
| 52.5° | 434.9 | 424.1 | 415.5 | 409.0 | 404.7 | 400.4 | 393.9 | 391.7 | 387.4 | 387.4 | 385.3 |
| 55° | 376.8 | 370.3 | 361.7 | 353.1 | 350.9 | 348.7 | 344.4 | 340.1 | 338.0 | 335.8 | 338.0 |
| 57.5° | 327.2 | 320.7 | 312.1 | 305.7 | 303.6 | 301.4 | 299.3 | 294.9 | 292.8 | 292.8 | 292.8 |
| 60° | 282.0 | 275.5 | 269.1 | 262.6 | 262.6 | 258.3 | 256.1 | 254.0 | 251.8 | 249.7 | 249.7 |
| 62.5° | 241.0 | 234.7 | 228.2 | 223.9 | 221.7 | 219.6 | 215.3 | 213.1 | 211.0 | 211.0 | 208.8 |
| 65° | 204.5 | 195.9 | 193.7 | 187.2 | 185.1 | 182.9 | 180.8 | 176.5 | 174.3 | 172.2 | 170.1 |
| 67.5° | 168.0 | 163.6 | 157.2 | 152.9 | 150.7 | 148.6 | 146.4 | 142.1 | 139.9 | 137.8 | 133.5 |
| 70° | 135.6 | 131.3 | 127.0 | 122.7 | 120.5 | 118.4 | 114.0 | 109.7 | 107.6 | 103.3 | 96.9 |
| 72.5° | 105.4 | 101.2 | 96.9 | 92.6 | 90.4 | 88.3 | 84.0 | 79.7 | 75.4 | 71.0 | 66.7 |
| 75° | 79.7 | 75.4 | 68.9 | 64.6 | 62.4 | 62.4 | 55.9 | 51.6 | 47.3 | 40.9 | 36.5 |
| 77.5° | 55.9 | 49.5 | 47.3 | 43.0 | 40.9 | 36.5 | 32.3 | 28.0 | 23.7 | 21.6 | 17.3 |
| 80° | 36.5 | 32.3 | 28.0 | 25.9 | 23.7 | 21.6 | 19.4 | 15.1 | 10.8 | 8.6 | 6.5 |
| 82.5° | 21.6 | 19.4 | 17.3 | 15.1 | 12.9 | 10.8 | 8.6 | 8.6 | 6.5 | 4.3 | 2.2 |
| 85° | 10.8 | 8.6 | 6.5 | 6.5 | 4.3 | 4.3 | 4.3 | 2.2 | 2.2 | 2.2 | 2.2 |
| 87.5° | 4.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 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° | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 |
| 2.5° | 1433.6 | 1431.5 | 1429.3 | 1427.2 | 1427.2 | 1422.9 | 1422.9 | 1420.7 | 1416.4 | 1414.2 | 1414.2 |
| 5° | 1420.7 | 1414.2 | 1409.9 | 1407.8 | 1405.7 | 1399.3 | 1397.1 | 1392.8 | 1388.5 | 1384.2 | 1382.0 |
| 7.5° | 1401.4 | 1390.6 | 1386.3 | 1384.2 | 1377.7 | 1371.2 | 1366.9 | 1360.4 | 1354.0 | 1347.5 | 1345.4 |
| 10° | 1377.7 | 1366.9 | 1356.1 | 1351.8 | 1345.4 | 1341.0 | 1332.5 | 1323.9 | 1317.4 | 1311.0 | 1304.5 |
| 12.5° | 1347.5 | 1334.7 | 1323.9 | 1319.6 | 1313.1 | 1304.5 | 1291.6 | 1287.3 | 1276.5 | 1272.2 | 1263.7 |
| 15° | 1313.1 | 1298.0 | 1287.3 | 1280.8 | 1274.3 | 1261.5 | 1252.9 | 1244.2 | 1233.5 | 1229.1 | 1220.5 |
| 17.5° | 1270.0 | 1252.9 | 1242.1 | 1235.6 | 1231.3 | 1220.5 | 1207.6 | 1196.9 | 1186.1 | 1181.8 | 1175.4 |
| 20° | 1218.4 | 1207.6 | 1192.6 | 1186.1 | 1181.8 | 1168.9 | 1156.0 | 1151.6 | 1143.0 | 1134.4 | 1128.0 |
| 22.5° | 1160.3 | 1149.5 | 1134.4 | 1128.0 | 1125.9 | 1115.1 | 1104.3 | 1097.8 | 1091.4 | 1084.9 | 1078.4 |
| 25° | 1100.0 | 1087.1 | 1074.1 | 1069.8 | 1065.5 | 1057.0 | 1048.4 | 1044.1 | 1037.6 | 1033.3 | 1029.0 |
| 27.5° | 1035.4 | 1022.5 | 1011.7 | 1005.2 | 1000.9 | 994.5 | 990.3 | 986.0 | 981.6 | 977.3 | 975.2 |
| 30° | 966.5 | 953.6 | 945.0 | 940.7 | 936.4 | 934.2 | 927.7 | 925.7 | 923.5 | 919.2 | 921.4 |
| 32.5° | 897.7 | 886.9 | 878.3 | 871.8 | 871.8 | 867.5 | 865.3 | 865.3 | 863.2 | 863.2 | 863.2 |
| 35° | 822.3 | 815.8 | 809.4 | 807.2 | 805.1 | 802.9 | 800.7 | 802.9 | 800.7 | 802.9 | 805.1 |
| 37.5° | 753.4 | 747.0 | 742.6 | 740.5 | 738.3 | 740.5 | 738.3 | 738.3 | 740.5 | 744.8 | 747.0 |
| 40° | 682.4 | 678.1 | 673.8 | 675.9 | 673.8 | 673.8 | 673.8 | 680.2 | 682.4 | 684.5 | 686.7 |
| 42.5° | 615.7 | 611.3 | 609.2 | 609.2 | 611.3 | 609.2 | 613.5 | 615.7 | 620.0 | 626.4 | 630.7 |
| 45° | 551.1 | 548.9 | 548.9 | 551.1 | 548.9 | 553.2 | 553.2 | 557.5 | 564.0 | 568.3 | 572.6 |
| 47.5° | 490.8 | 490.8 | 490.8 | 493.0 | 493.0 | 495.1 | 499.4 | 501.6 | 505.9 | 510.2 | 514.4 |
| 50° | 434.9 | 437.0 | 439.2 | 439.2 | 439.2 | 443.5 | 447.7 | 449.8 | 452.0 | 454.2 | 460.6 |
| 52.5° | 385.3 | 387.4 | 387.4 | 389.6 | 391.7 | 393.9 | 396.1 | 400.4 | 402.5 | 406.8 | 409.0 |
| 55° | 338.0 | 338.0 | 342.3 | 344.4 | 344.4 | 344.4 | 348.7 | 348.7 | 353.1 | 355.2 | 359.5 |
| 57.5° | 292.8 | 294.9 | 294.9 | 297.1 | 297.1 | 299.3 | 301.4 | 303.6 | 305.7 | 307.9 | 309.9 |
| 60° | 249.7 | 249.7 | 249.7 | 251.8 | 254.0 | 256.1 | 254.0 | 258.3 | 258.3 | 262.6 | 264.8 |
| 62.5° | 208.8 | 211.0 | 211.0 | 211.0 | 211.0 | 211.0 | 211.0 | 213.1 | 215.3 | 217.4 | 219.6 |
| 65° | 170.1 | 170.1 | 170.1 | 168.0 | 170.1 | 168.0 | 170.1 | 172.2 | 172.2 | 174.3 | 176.5 |
| 67.5° | 131.3 | 131.3 | 127.0 | 127.0 | 129.1 | 129.1 | 129.1 | 129.1 | 127.0 | 131.3 | 131.3 |
| 70° | 94.8 | 92.6 | 90.4 | 88.3 | 88.3 | 86.1 | 86.1 | 84.0 | 84.0 | 84.0 | 84.0 |
| 72.5° | 62.4 | 58.1 | 53.8 | 51.6 | 49.5 | 49.5 | 45.2 | 43.0 | 45.2 | 45.2 | 45.2 |
| 75° | 32.3 | 28.0 | 25.9 | 23.7 | 21.6 | 21.6 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 |
| 77.5° | 12.9 | 10.8 | 8.6 | 8.6 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 |
| 80° | 4.3 | 4.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 82.5° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 85° | 2.2 | 0.0 | 0.0 | 2.2 | 0.0 | 2.2 | 2.2 | 2.2 | 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 |

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



TEST NUMBER: P584453

CATALOG NUMBER: HCC8S35D010MB-HM82555927-81WWBB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 | 1440.1 |
| 2.5° | 1412.1 | 1412.1 | 1409.9 | 1412.1 | 1407.8 | 1409.9 | 1407.8 | 1407.8 |
| 5° | 1379.9 | 1375.5 | 1375.5 | 1375.5 | 1373.4 | 1373.4 | 1371.2 | 1371.2 |
| 7.5° | 1341.0 | 1338.9 | 1336.8 | 1334.7 | 1332.5 | 1330.4 | 1330.4 | 1330.4 |
| 10° | 1302.3 | 1298.0 | 1298.0 | 1295.9 | 1291.6 | 1289.4 | 1289.4 | 1289.4 |
| 12.5° | 1257.2 | 1255.0 | 1252.9 | 1252.9 | 1244.2 | 1246.4 | 1244.2 | 1244.2 |
| 15° | 1214.1 | 1211.9 | 1211.9 | 1205.4 | 1201.1 | 1201.1 | 1201.1 | 1199.1 |
| 17.5° | 1168.9 | 1166.7 | 1164.6 | 1160.3 | 1156.0 | 1156.0 | 1153.8 | 1156.0 |
| 20° | 1121.6 | 1119.4 | 1115.1 | 1115.1 | 1112.9 | 1110.8 | 1106.5 | 1108.6 |
| 22.5° | 1074.1 | 1069.8 | 1067.7 | 1067.7 | 1065.5 | 1065.5 | 1061.3 | 1061.3 |
| 25° | 1024.6 | 1022.5 | 1020.3 | 1022.5 | 1018.2 | 1018.2 | 1013.9 | 1013.9 |
| 27.5° | 973.0 | 970.9 | 970.9 | 970.9 | 968.7 | 970.9 | 968.7 | 968.7 |
| 30° | 921.4 | 921.4 | 919.2 | 919.2 | 921.4 | 919.2 | 921.4 | 923.5 |
| 32.5° | 865.3 | 865.3 | 867.5 | 867.5 | 869.6 | 869.6 | 869.6 | 869.6 |
| 35° | 807.2 | 811.5 | 811.5 | 813.7 | 815.8 | 818.0 | 818.0 | 820.2 |
| 37.5° | 753.4 | 755.6 | 757.7 | 759.9 | 764.2 | 764.2 | 764.2 | 764.2 |
| 40° | 695.3 | 697.5 | 701.8 | 699.6 | 708.3 | 710.4 | 708.3 | 708.3 |
| 42.5° | 635.1 | 639.4 | 641.5 | 645.8 | 648.0 | 652.2 | 654.3 | 654.3 |
| 45° | 579.1 | 581.3 | 585.5 | 589.8 | 591.9 | 598.4 | 598.4 | 598.4 |
| 47.5° | 520.9 | 525.2 | 527.4 | 531.7 | 533.8 | 540.3 | 542.5 | 540.3 |
| 50° | 464.9 | 469.3 | 473.6 | 473.6 | 480.0 | 482.2 | 486.5 | 488.7 |
| 52.5° | 411.2 | 413.3 | 417.6 | 419.8 | 424.1 | 428.4 | 430.6 | 432.7 |
| 55° | 359.5 | 361.7 | 366.0 | 366.0 | 372.5 | 374.6 | 378.8 | 378.8 |
| 57.5° | 312.1 | 314.2 | 318.5 | 316.4 | 320.7 | 325.0 | 325.0 | 322.9 |
| 60° | 266.9 | 266.9 | 266.9 | 271.2 | 273.4 | 275.5 | 277.7 | 277.7 |
| 62.5° | 219.6 | 223.9 | 226.1 | 226.1 | 228.2 | 230.4 | 230.4 | 228.2 |
| 65° | 176.5 | 180.8 | 182.9 | 182.9 | 185.1 | 185.1 | 185.1 | 187.2 |
| 67.5° | 133.5 | 133.5 | 133.5 | 135.6 | 133.5 | 133.5 | 133.5 | 133.5 |
| 70° | 84.0 | 84.0 | 84.0 | 84.0 | 81.8 | 84.0 | 84.0 | 86.1 |
| 72.5° | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| 75° | 19.4 | 19.4 | 19.4 | 21.6 | 19.4 | 19.4 | 19.4 | 19.4 |
| 77.5° | 8.6 | 6.5 | 8.6 | 8.6 | 6.5 | 6.5 | 6.5 | 6.5 |
| 80° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 82.5° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 85° | 0.0 | 2.2 | 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



Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report



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

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(END OF REPORT)