

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: P584454

Luminaire Tested: **HCC8W35D010MW-HM82555927-81WWW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584454
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: HCC8W35D010MW-HM82555927-81WWW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

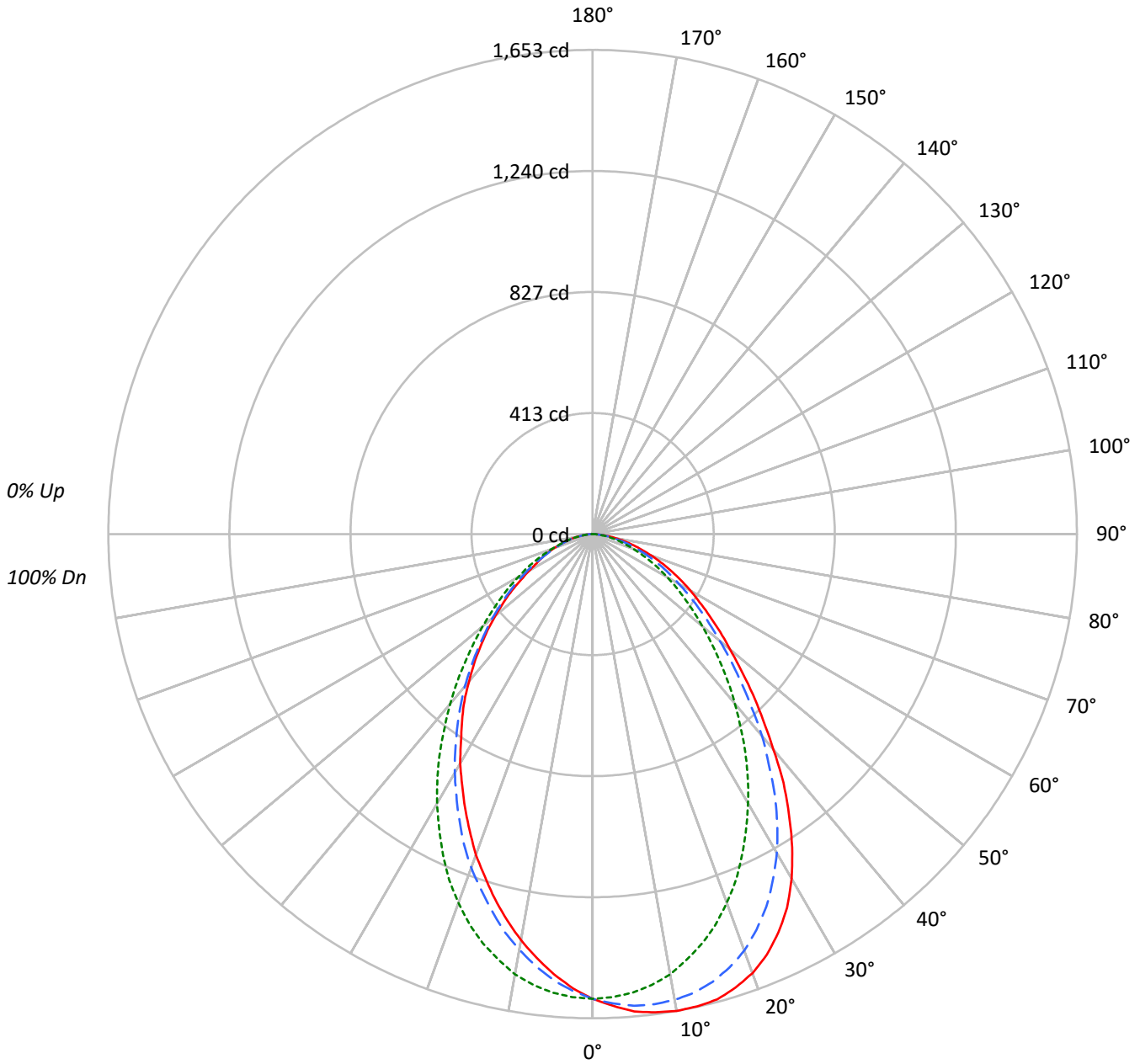
Lumens per Lamp: N/A
Luminaire Lumens: 2927.9 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.04 / 1.13
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P584454
CATALOG NUMBER: HCC8W35D010MW-HM82555927-81WWW

Luminous Intensity Polar Plot



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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 | 110 | 106 | 103 | 99 | 108 | 104 | 101 | 98 | 100 | 97 | 95 | 96 | 94 | 92 | 93 | 91 | 89 | 87 | | | | | 87 | | | |
| 2 | 102 | 95 | 89 | 84 | 99 | 93 | 88 | 83 | 90 | 85 | 81 | 86 | 83 | 79 | 83 | 80 | 78 | 76 | | | | | 76 | | | |
| 3 | 94 | 85 | 78 | 72 | 92 | 83 | 77 | 71 | 81 | 75 | 70 | 78 | 73 | 69 | 75 | 71 | 68 | 66 | | | | | 66 | | | |
| 4 | 87 | 76 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 68 | 64 | 60 | 58 | | | | | 58 | | | |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 60 | 54 | 64 | 59 | 54 | 63 | 57 | 53 | 51 | | | | | 51 | | | |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 55 | 49 | 61 | 54 | 49 | 59 | 53 | 48 | 57 | 52 | 48 | 46 | | | | | 46 | | | |
| 7 | 70 | 58 | 50 | 44 | 69 | 57 | 50 | 44 | 56 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 43 | 41 | | | | | 41 | | | |
| 8 | 66 | 53 | 46 | 40 | 64 | 53 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 39 | 38 | | | | | 38 | | | |
| 9 | 62 | 49 | 42 | 37 | 60 | 49 | 42 | 37 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 34 | | | | | 34 | | | |
| 10 | 58 | 46 | 39 | 34 | 57 | 45 | 38 | 34 | 44 | 38 | 33 | 44 | 38 | 33 | 43 | 37 | 33 | 32 | | | | | 32 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 48922 | 48922 | 48922 |
| 5° | 50641 | 48641 | 46710 |
| 10° | 51765 | 47792 | 44081 |
| 15° | 52502 | 46181 | 41163 |
| 20° | 52344 | 43936 | 38217 |
| 25° | 51050 | 41088 | 35082 |
| 30° | 48365 | 37786 | 32192 |
| 35° | 44002 | 34196 | 29253 |
| 40° | 38648 | 30416 | 26427 |
| 45° | 33701 | 26754 | 23562 |
| 50° | 29326 | 23444 | 20758 |
| 55° | 26155 | 20596 | 18053 |
| 60° | 23762 | 18058 | 15400 |
| 65° | 21364 | 15709 | 13980 |
| 70° | 19024 | 13398 | 12613 |
| 75° | 16668 | 11295 | 10770 |
| 80° | 14153 | 9163 | 9554 |
| 85° | 10685 | 6864 | 7642 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 148.6 | 5.1 |
| 10°-20° | 409.4 | 14.0 |
| 20°-30° | 568.3 | 19.4 |
| 30°-40° | 587.6 | 20.1 |
| 40°-50° | 492.0 | 16.8 |
| 50°-60° | 357.2 | 12.2 |
| 60°-70° | 225.4 | 7.7 |
| 70°-80° | 111.6 | 3.8 |
| 80°-90° | 27.8 | 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° | 1126.4 | 38.5 |
| 0°-40° | 1714.0 | 58.5 |
| 0°-60° | 2563.1 | 87.5 |
| 0°-90° | 2927.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2927.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1586 | 1586 | 1586 | 1586 | 1586 | |
| 5° | 1636 | 1617 | 1571 | 1528 | 1509 | 156 |
| 15° | 1645 | 1582 | 1447 | 1330 | 1289 | 463 |
| 25° | 1500 | 1404 | 1208 | 1076 | 1031 | 688 |
| 35° | 1169 | 1083 | 908 | 805 | 777 | 728 |
| 45° | 773 | 717 | 614 | 553 | 540 | 598 |
| 55° | 486 | 444 | 383 | 351 | 336 | 439 |
| 65° | 293 | 256 | 215 | 189 | 192 | 292 |
| 75° | 140 | 116 | 95 | 90 | 90 | 150 |
| 85° | 30 | 24 | 19 | 22 | 22 | 37 |
| 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° | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 |
| 2.5° | 1612.3 | 1612.3 | 1614.4 | 1612.3 | 1612.3 | 1612.3 | 1610.1 | 1610.1 | 1608.0 | 1608.0 | 1603.8 |
| 5° | 1636.0 | 1631.7 | 1636.0 | 1631.7 | 1631.7 | 1631.7 | 1629.5 | 1625.2 | 1623.1 | 1618.7 | 1616.6 |
| 7.5° | 1646.8 | 1644.6 | 1644.6 | 1642.5 | 1642.5 | 1640.3 | 1638.1 | 1636.0 | 1627.4 | 1625.2 | 1618.7 |
| 10° | 1653.2 | 1651.1 | 1651.1 | 1648.9 | 1644.6 | 1644.6 | 1640.3 | 1638.1 | 1627.4 | 1623.1 | 1614.4 |
| 12.5° | 1651.1 | 1651.1 | 1651.1 | 1648.9 | 1642.5 | 1640.3 | 1636.0 | 1629.5 | 1620.9 | 1612.3 | 1603.8 |
| 15° | 1644.6 | 1644.6 | 1640.3 | 1638.1 | 1631.7 | 1627.4 | 1625.2 | 1614.4 | 1605.8 | 1595.1 | 1582.2 |
| 17.5° | 1623.1 | 1623.1 | 1620.9 | 1616.6 | 1610.1 | 1605.8 | 1601.6 | 1590.8 | 1582.2 | 1564.9 | 1552.0 |
| 20° | 1595.1 | 1593.0 | 1590.8 | 1584.4 | 1577.9 | 1575.7 | 1569.3 | 1554.2 | 1543.4 | 1530.6 | 1513.3 |
| 22.5° | 1554.2 | 1552.0 | 1549.9 | 1545.5 | 1534.9 | 1530.6 | 1526.3 | 1515.5 | 1496.1 | 1483.1 | 1461.7 |
| 25° | 1500.4 | 1500.4 | 1496.1 | 1489.6 | 1478.8 | 1474.5 | 1468.0 | 1457.4 | 1440.1 | 1420.7 | 1403.5 |
| 27.5° | 1438.0 | 1435.8 | 1429.3 | 1425.0 | 1416.4 | 1409.9 | 1399.3 | 1386.3 | 1369.1 | 1354.0 | 1332.4 |
| 30° | 1358.3 | 1358.3 | 1354.0 | 1347.5 | 1336.7 | 1332.4 | 1323.9 | 1308.8 | 1291.6 | 1272.2 | 1257.2 |
| 32.5° | 1267.8 | 1267.8 | 1261.5 | 1257.2 | 1250.7 | 1239.9 | 1237.8 | 1220.5 | 1205.4 | 1190.5 | 1173.2 |
| 35° | 1168.9 | 1171.0 | 1166.7 | 1158.1 | 1147.3 | 1147.3 | 1143.0 | 1127.9 | 1110.8 | 1095.7 | 1082.8 |
| 37.5° | 1069.8 | 1063.3 | 1061.2 | 1057.0 | 1050.5 | 1041.9 | 1037.6 | 1031.1 | 1016.0 | 1005.2 | 986.0 |
| 40° | 960.1 | 962.2 | 957.9 | 953.6 | 951.5 | 945.0 | 942.8 | 932.0 | 921.4 | 908.4 | 899.8 |
| 42.5° | 861.0 | 861.0 | 861.0 | 856.7 | 852.5 | 846.0 | 843.9 | 837.4 | 824.5 | 815.8 | 802.9 |
| 45° | 772.8 | 766.4 | 766.4 | 764.2 | 762.0 | 757.7 | 751.3 | 747.0 | 738.3 | 731.9 | 716.9 |
| 47.5° | 686.7 | 688.8 | 686.7 | 684.5 | 678.1 | 675.9 | 673.8 | 665.1 | 656.5 | 650.0 | 639.4 |
| 50° | 611.3 | 615.7 | 611.3 | 611.3 | 607.0 | 604.9 | 600.6 | 594.1 | 587.6 | 577.0 | 566.2 |
| 52.5° | 548.9 | 548.9 | 546.8 | 544.6 | 538.1 | 533.8 | 531.7 | 529.5 | 518.7 | 510.2 | 501.6 |
| 55° | 486.5 | 488.7 | 488.7 | 482.2 | 480.0 | 475.7 | 473.6 | 467.1 | 462.8 | 449.8 | 443.5 |
| 57.5° | 432.7 | 430.6 | 432.7 | 428.4 | 424.1 | 419.8 | 417.6 | 413.3 | 406.8 | 398.2 | 389.6 |
| 60° | 385.3 | 381.0 | 381.0 | 378.8 | 374.6 | 372.5 | 368.1 | 361.7 | 355.2 | 346.6 | 340.1 |
| 62.5° | 338.0 | 335.8 | 333.6 | 331.5 | 327.2 | 325.0 | 322.9 | 316.4 | 309.9 | 303.6 | 297.1 |
| 65° | 292.8 | 292.8 | 290.6 | 286.3 | 284.2 | 282.0 | 279.9 | 275.5 | 266.9 | 262.6 | 256.1 |
| 67.5° | 251.8 | 249.7 | 249.7 | 245.4 | 241.0 | 239.0 | 239.0 | 234.7 | 228.2 | 221.7 | 217.4 |
| 70° | 211.0 | 213.1 | 211.0 | 208.8 | 204.5 | 204.5 | 200.2 | 198.0 | 189.4 | 187.2 | 180.8 |
| 72.5° | 174.3 | 174.3 | 172.2 | 172.2 | 168.0 | 165.8 | 165.8 | 161.5 | 157.2 | 152.9 | 148.6 |
| 75° | 139.9 | 139.9 | 139.9 | 137.8 | 135.6 | 131.3 | 131.3 | 129.1 | 124.8 | 120.5 | 116.2 |
| 77.5° | 109.7 | 107.6 | 107.6 | 105.4 | 103.3 | 101.2 | 101.2 | 99.1 | 94.8 | 92.6 | 88.3 |
| 80° | 79.7 | 77.5 | 77.5 | 77.5 | 73.2 | 75.4 | 73.2 | 71.0 | 68.9 | 66.7 | 64.6 |
| 82.5° | 51.6 | 53.8 | 53.8 | 51.6 | 49.5 | 49.5 | 49.5 | 47.3 | 47.3 | 45.2 | 43.0 |
| 85° | 30.2 | 30.2 | 30.2 | 30.2 | 28.0 | 28.0 | 28.0 | 25.9 | 25.9 | 25.9 | 23.7 |
| 87.5° | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| 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° | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 |
| 2.5° | 1603.8 | 1599.4 | 1597.3 | 1595.1 | 1595.1 | 1593.0 | 1590.8 | 1586.5 | 1586.5 | 1582.2 | 1580.0 |
| 5° | 1612.3 | 1605.8 | 1601.6 | 1597.3 | 1595.1 | 1590.8 | 1586.5 | 1580.0 | 1577.9 | 1571.4 | 1564.9 |
| 7.5° | 1614.4 | 1603.8 | 1599.4 | 1590.8 | 1586.5 | 1582.2 | 1573.6 | 1567.1 | 1558.5 | 1552.0 | 1543.4 |
| 10° | 1605.8 | 1597.3 | 1586.5 | 1575.7 | 1573.6 | 1567.1 | 1554.2 | 1545.5 | 1534.9 | 1526.3 | 1513.3 |
| 12.5° | 1593.0 | 1580.0 | 1569.3 | 1556.3 | 1549.9 | 1543.4 | 1530.6 | 1517.6 | 1502.5 | 1487.4 | 1474.5 |
| 15° | 1571.4 | 1556.3 | 1541.2 | 1526.3 | 1517.6 | 1511.2 | 1496.1 | 1481.0 | 1466.0 | 1446.6 | 1433.6 |
| 17.5° | 1539.1 | 1521.9 | 1506.8 | 1487.4 | 1478.8 | 1472.3 | 1453.1 | 1435.8 | 1416.4 | 1397.1 | 1384.2 |
| 20° | 1498.2 | 1476.7 | 1459.5 | 1438.0 | 1431.5 | 1420.7 | 1401.3 | 1382.0 | 1360.4 | 1338.9 | 1323.9 |
| 22.5° | 1444.4 | 1422.9 | 1403.5 | 1382.0 | 1371.2 | 1360.4 | 1341.0 | 1317.4 | 1295.9 | 1278.6 | 1263.5 |
| 25° | 1382.0 | 1362.6 | 1338.9 | 1319.6 | 1306.7 | 1293.7 | 1272.2 | 1252.9 | 1233.5 | 1207.6 | 1192.6 |
| 27.5° | 1313.1 | 1289.4 | 1272.2 | 1246.4 | 1233.5 | 1224.8 | 1201.1 | 1175.4 | 1158.1 | 1134.4 | 1117.3 |
| 30° | 1235.6 | 1214.1 | 1194.8 | 1168.9 | 1156.0 | 1147.3 | 1125.9 | 1102.2 | 1084.9 | 1061.2 | 1044.1 |
| 32.5° | 1153.8 | 1130.1 | 1106.5 | 1089.2 | 1074.1 | 1065.5 | 1041.9 | 1026.8 | 1005.2 | 986.0 | 966.5 |
| 35° | 1065.5 | 1041.9 | 1024.6 | 1000.9 | 992.3 | 983.8 | 964.4 | 945.0 | 925.6 | 908.4 | 893.3 |
| 37.5° | 970.9 | 953.6 | 934.2 | 917.1 | 910.6 | 902.0 | 878.3 | 861.0 | 846.0 | 828.8 | 815.8 |
| 40° | 878.3 | 863.2 | 850.3 | 833.1 | 822.3 | 815.8 | 798.6 | 783.6 | 766.4 | 755.6 | 742.6 |
| 42.5° | 794.3 | 777.1 | 764.2 | 751.3 | 740.5 | 734.0 | 718.9 | 708.3 | 695.3 | 684.5 | 669.4 |
| 45° | 706.1 | 697.5 | 682.4 | 671.6 | 665.1 | 656.5 | 645.8 | 632.9 | 622.1 | 613.5 | 602.7 |
| 47.5° | 628.6 | 620.0 | 609.2 | 596.2 | 591.9 | 585.5 | 574.8 | 566.2 | 557.5 | 548.9 | 538.1 |
| 50° | 557.5 | 546.8 | 538.1 | 529.5 | 525.2 | 518.7 | 508.1 | 503.8 | 497.3 | 488.7 | 482.2 |
| 52.5° | 493.0 | 484.4 | 475.7 | 464.9 | 462.8 | 458.5 | 452.0 | 443.5 | 437.0 | 432.7 | 428.4 |
| 55° | 434.9 | 426.2 | 419.8 | 411.2 | 409.0 | 404.7 | 396.1 | 391.7 | 387.4 | 383.1 | 378.8 |
| 57.5° | 383.1 | 374.6 | 366.0 | 361.7 | 357.4 | 353.1 | 350.9 | 344.4 | 340.1 | 338.0 | 333.6 |
| 60° | 335.8 | 327.2 | 320.7 | 314.2 | 312.1 | 309.9 | 305.7 | 301.4 | 297.1 | 292.8 | 290.6 |
| 62.5° | 290.6 | 282.0 | 277.7 | 273.4 | 269.1 | 269.1 | 264.8 | 260.4 | 256.1 | 254.0 | 249.7 |
| 65° | 249.7 | 245.4 | 239.0 | 232.5 | 230.4 | 230.4 | 223.9 | 221.7 | 219.6 | 215.3 | 211.0 |
| 67.5° | 211.0 | 206.7 | 200.2 | 198.0 | 195.9 | 193.7 | 191.6 | 187.2 | 182.9 | 180.8 | 176.5 |
| 70° | 176.5 | 172.2 | 168.0 | 165.8 | 163.6 | 161.5 | 157.2 | 155.0 | 150.7 | 148.6 | 146.4 |
| 72.5° | 142.1 | 139.9 | 135.6 | 133.5 | 131.3 | 129.1 | 127.0 | 124.8 | 120.5 | 118.4 | 116.2 |
| 75° | 114.0 | 111.9 | 107.6 | 105.4 | 103.3 | 103.3 | 101.2 | 96.9 | 94.8 | 94.8 | 92.6 |
| 77.5° | 86.1 | 84.0 | 81.8 | 79.7 | 77.5 | 77.5 | 75.4 | 73.2 | 71.0 | 71.0 | 68.9 |
| 80° | 62.4 | 60.3 | 58.1 | 58.1 | 58.1 | 55.9 | 53.8 | 53.8 | 51.6 | 51.6 | 49.5 |
| 82.5° | 40.9 | 40.9 | 38.7 | 38.7 | 38.7 | 36.5 | 36.5 | 34.4 | 34.4 | 34.4 | 34.4 |
| 85° | 23.7 | 23.7 | 23.7 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 19.4 | 21.6 |
| 87.5° | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 8.6 | 8.6 | 8.6 |
| 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° | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 |
| 2.5° | 1577.9 | 1575.7 | 1571.4 | 1571.4 | 1567.1 | 1567.1 | 1564.9 | 1562.8 | 1560.6 | 1558.5 | 1556.3 |
| 5° | 1562.8 | 1554.2 | 1549.9 | 1547.7 | 1543.4 | 1541.2 | 1534.9 | 1530.6 | 1528.4 | 1524.1 | 1519.8 |
| 7.5° | 1534.9 | 1526.3 | 1517.6 | 1515.5 | 1513.3 | 1504.7 | 1498.2 | 1491.7 | 1487.4 | 1483.1 | 1478.8 |
| 10° | 1502.5 | 1493.9 | 1483.1 | 1478.8 | 1474.5 | 1463.8 | 1455.2 | 1448.7 | 1440.1 | 1431.5 | 1429.3 |
| 12.5° | 1463.8 | 1450.9 | 1438.0 | 1433.6 | 1427.2 | 1416.4 | 1407.8 | 1397.1 | 1390.6 | 1379.9 | 1377.7 |
| 15° | 1418.6 | 1403.5 | 1392.8 | 1382.0 | 1377.7 | 1366.9 | 1351.8 | 1343.2 | 1330.4 | 1326.1 | 1315.3 |
| 17.5° | 1364.8 | 1349.7 | 1334.6 | 1330.4 | 1323.9 | 1308.8 | 1293.7 | 1282.9 | 1270.0 | 1263.5 | 1257.2 |
| 20° | 1308.8 | 1289.4 | 1274.3 | 1270.0 | 1261.5 | 1248.6 | 1233.5 | 1222.7 | 1211.9 | 1199.0 | 1192.6 |
| 22.5° | 1244.2 | 1222.7 | 1209.7 | 1199.0 | 1196.8 | 1181.8 | 1164.6 | 1156.0 | 1147.3 | 1136.5 | 1127.9 |
| 25° | 1173.2 | 1153.8 | 1138.7 | 1130.1 | 1125.9 | 1112.9 | 1100.0 | 1089.2 | 1076.3 | 1069.8 | 1059.0 |
| 27.5° | 1100.0 | 1087.1 | 1067.7 | 1059.0 | 1052.7 | 1041.9 | 1026.8 | 1020.3 | 1007.4 | 998.8 | 992.3 |
| 30° | 1029.0 | 1009.6 | 998.8 | 988.1 | 981.6 | 970.9 | 957.9 | 951.5 | 940.7 | 932.0 | 925.6 |
| 32.5° | 951.5 | 938.5 | 923.4 | 919.2 | 910.6 | 899.8 | 891.2 | 880.4 | 871.8 | 863.2 | 861.0 |
| 35° | 880.4 | 863.2 | 848.2 | 843.9 | 837.4 | 826.6 | 822.3 | 815.8 | 805.1 | 802.9 | 794.3 |
| 37.5° | 802.9 | 794.3 | 777.1 | 770.7 | 768.5 | 759.9 | 751.3 | 747.0 | 740.5 | 734.0 | 731.9 |
| 40° | 729.7 | 718.9 | 710.4 | 703.9 | 699.6 | 693.2 | 684.5 | 682.4 | 678.1 | 669.4 | 667.3 |
| 42.5° | 660.8 | 650.0 | 641.5 | 639.4 | 632.9 | 626.4 | 622.1 | 615.7 | 613.5 | 611.3 | 607.0 |
| 45° | 594.1 | 587.6 | 579.1 | 577.0 | 574.8 | 566.2 | 561.9 | 557.5 | 553.2 | 551.1 | 546.8 |
| 47.5° | 533.8 | 527.4 | 520.9 | 518.7 | 514.4 | 512.3 | 505.9 | 503.8 | 497.3 | 495.1 | 493.0 |
| 50° | 475.7 | 471.4 | 467.1 | 464.9 | 460.6 | 458.5 | 454.2 | 449.8 | 445.5 | 443.5 | 441.3 |
| 52.5° | 424.1 | 419.8 | 415.5 | 413.3 | 411.2 | 406.8 | 402.5 | 398.2 | 396.1 | 393.9 | 391.7 |
| 55° | 374.6 | 370.3 | 368.1 | 366.0 | 363.8 | 361.7 | 355.2 | 353.1 | 350.9 | 348.7 | 344.4 |
| 57.5° | 329.3 | 325.0 | 320.7 | 320.7 | 318.5 | 316.4 | 312.1 | 307.8 | 307.8 | 303.6 | 299.3 |
| 60° | 288.5 | 284.2 | 279.9 | 277.7 | 275.5 | 271.2 | 269.1 | 266.9 | 264.8 | 262.6 | 258.3 |
| 62.5° | 245.4 | 243.2 | 239.0 | 239.0 | 234.7 | 232.5 | 230.4 | 228.2 | 226.1 | 221.7 | 219.6 |
| 65° | 208.8 | 206.7 | 202.3 | 200.2 | 200.2 | 198.0 | 193.7 | 191.6 | 189.4 | 189.4 | 187.2 |
| 67.5° | 174.3 | 172.2 | 168.0 | 165.8 | 165.8 | 163.6 | 161.5 | 161.5 | 159.3 | 157.2 | 159.3 |
| 70° | 144.2 | 139.9 | 139.9 | 137.8 | 137.8 | 135.6 | 133.5 | 133.5 | 133.5 | 135.6 | 135.6 |
| 72.5° | 114.0 | 111.9 | 109.7 | 109.7 | 109.7 | 109.7 | 107.6 | 107.6 | 109.7 | 111.9 | 111.9 |
| 75° | 90.4 | 88.3 | 88.3 | 88.3 | 86.1 | 86.1 | 88.3 | 88.3 | 90.4 | 90.4 | 90.4 |
| 77.5° | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 68.9 | 68.9 | 71.0 | 71.0 | 71.0 |
| 80° | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 53.8 |
| 82.5° | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 36.5 | 36.5 | 36.5 | 36.5 |
| 85° | 19.4 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 |
| 87.5° | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 |
| 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: P584454

CATALOG NUMBER: HCC8W35D010MW-HM82555927-81WWW

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1586.5 |
| 2.5° | 1554.2 | 1554.2 | 1554.2 | 1556.3 | 1552.0 | 1552.0 | 1552.0 | 1552.0 |
| 5° | 1517.6 | 1515.5 | 1513.3 | 1515.5 | 1511.2 | 1511.2 | 1509.0 | 1509.0 |
| 7.5° | 1472.3 | 1470.2 | 1468.0 | 1468.0 | 1463.8 | 1463.8 | 1461.7 | 1459.5 |
| 10° | 1422.9 | 1418.6 | 1420.7 | 1416.4 | 1414.2 | 1412.1 | 1409.9 | 1407.8 |
| 12.5° | 1369.1 | 1364.8 | 1362.6 | 1358.3 | 1354.0 | 1351.8 | 1354.0 | 1349.7 |
| 15° | 1311.0 | 1304.5 | 1302.3 | 1298.0 | 1293.7 | 1291.6 | 1291.6 | 1289.4 |
| 17.5° | 1246.4 | 1242.1 | 1239.9 | 1235.6 | 1233.5 | 1229.1 | 1227.0 | 1224.8 |
| 20° | 1186.1 | 1175.4 | 1177.5 | 1173.2 | 1171.0 | 1162.4 | 1162.4 | 1164.6 |
| 22.5° | 1119.4 | 1112.9 | 1108.6 | 1104.3 | 1102.2 | 1097.8 | 1097.8 | 1095.7 |
| 25° | 1052.7 | 1046.2 | 1044.1 | 1039.7 | 1037.6 | 1033.3 | 1031.1 | 1031.1 |
| 27.5° | 988.1 | 979.5 | 979.5 | 975.2 | 970.9 | 968.7 | 966.5 | 964.4 |
| 30° | 919.2 | 912.8 | 910.6 | 910.6 | 908.4 | 908.4 | 902.0 | 904.1 |
| 32.5° | 854.5 | 850.3 | 848.2 | 843.9 | 843.9 | 841.7 | 841.7 | 835.2 |
| 35° | 790.0 | 783.6 | 785.6 | 781.5 | 779.3 | 777.1 | 779.3 | 777.1 |
| 37.5° | 727.5 | 723.2 | 723.2 | 718.9 | 718.9 | 716.9 | 714.7 | 718.9 |
| 40° | 665.1 | 663.0 | 660.8 | 658.7 | 660.8 | 658.7 | 654.3 | 656.5 |
| 42.5° | 602.7 | 602.7 | 600.6 | 600.6 | 598.4 | 598.4 | 598.4 | 598.4 |
| 45° | 546.8 | 544.6 | 544.6 | 542.5 | 542.5 | 542.5 | 542.5 | 540.3 |
| 47.5° | 490.8 | 488.7 | 488.7 | 488.7 | 486.5 | 486.5 | 484.4 | 486.5 |
| 50° | 437.0 | 437.0 | 434.9 | 434.9 | 437.0 | 434.9 | 432.7 | 432.7 |
| 52.5° | 387.4 | 387.4 | 385.3 | 385.3 | 383.1 | 381.0 | 383.1 | 383.1 |
| 55° | 342.3 | 340.1 | 338.0 | 338.0 | 335.8 | 333.6 | 333.6 | 335.8 |
| 57.5° | 299.3 | 297.1 | 294.9 | 294.9 | 290.6 | 288.5 | 288.5 | 288.5 |
| 60° | 258.3 | 254.0 | 254.0 | 251.8 | 251.8 | 249.7 | 249.7 | 249.7 |
| 62.5° | 219.6 | 217.4 | 217.4 | 217.4 | 217.4 | 215.3 | 215.3 | 215.3 |
| 65° | 187.2 | 187.2 | 187.2 | 189.4 | 189.4 | 191.6 | 191.6 | 191.6 |
| 67.5° | 161.5 | 163.6 | 163.6 | 163.6 | 165.8 | 165.8 | 165.8 | 163.6 |
| 70° | 137.8 | 137.8 | 137.8 | 139.9 | 139.9 | 139.9 | 139.9 | 139.9 |
| 72.5° | 114.0 | 114.0 | 114.0 | 114.0 | 114.0 | 114.0 | 114.0 | 114.0 |
| 75° | 90.4 | 92.6 | 92.6 | 92.6 | 90.4 | 92.6 | 92.6 | 90.4 |
| 77.5° | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| 80° | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 |
| 82.5° | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| 85° | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 |
| 87.5° | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 |
| 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)