

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: P584361

Luminaire Tested: **HCC8S30D010BZ-HM82555940-81RWWC**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584361
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: HCC8S30D010BZ-HM82555940-81RWWC
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

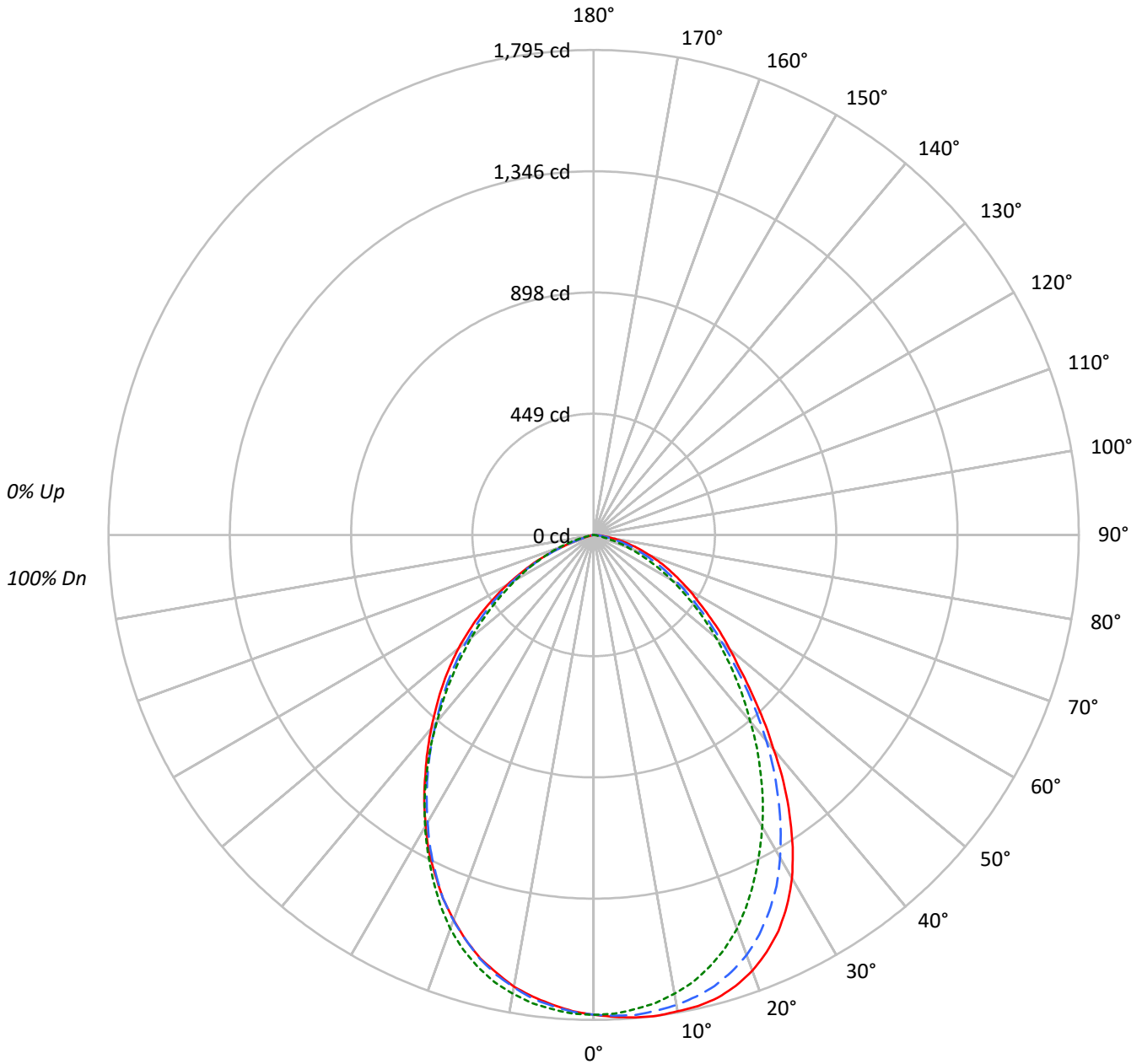
Lumens per Lamp: N/A
Luminaire Lumens: 3375.9 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.08 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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: P584361
CATALOG NUMBER: HCC8S30D010BZ-HM82555940-81RWWC

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 54771 | 54771 | 54771 |
| 5° | 55498 | 54541 | 54030 |
| 10° | 56064 | 53982 | 53168 |
| 15° | 56630 | 52844 | 51787 |
| 20° | 56341 | 50893 | 49728 |
| 25° | 55031 | 47848 | 47202 |
| 30° | 52267 | 44416 | 44245 |
| 35° | 47582 | 40528 | 40889 |
| 40° | 41715 | 36273 | 37609 |
| 45° | 35991 | 32266 | 34543 |
| 50° | 31513 | 28328 | 31288 |
| 55° | 27924 | 24354 | 27537 |
| 60° | 25156 | 20475 | 22813 |
| 65° | 22670 | 16439 | 17475 |
| 70° | 19889 | 11973 | 9629 |
| 75° | 16954 | 6219 | 2550 |
| 80° | 13052 | 1687 | 426 |
| 85° | 8385 | 0 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 167.6 | 5.0 |
| 10°-20° | 471.1 | 14.0 |
| 20°-30° | 668.7 | 19.8 |
| 30°-40° | 703.9 | 20.9 |
| 40°-50° | 598.8 | 17.7 |
| 50°-60° | 432.7 | 12.8 |
| 60°-70° | 246.1 | 7.3 |
| 70°-80° | 77.6 | 2.3 |
| 80°-90° | 9.4 | 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° | 1307.4 | 38.7 |
| 0°-40° | 2011.3 | 59.6 |
| 0°-60° | 3042.8 | 90.1 |
| 0°-90° | 3375.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3375.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1776 | 1776 | 1776 | 1776 | 1776 | |
| 5° | 1793 | 1783 | 1762 | 1750 | 1746 | 171 |
| 15° | 1774 | 1729 | 1655 | 1624 | 1622 | 500 |
| 25° | 1617 | 1537 | 1406 | 1383 | 1387 | 741 |
| 35° | 1264 | 1190 | 1077 | 1070 | 1086 | 787 |
| 45° | 825 | 794 | 740 | 759 | 792 | 642 |
| 55° | 519 | 481 | 453 | 479 | 512 | 468 |
| 65° | 311 | 268 | 225 | 223 | 240 | 308 |
| 75° | 142 | 109 | 52 | 24 | 21 | 153 |
| 85° | 24 | 14 | 0 | 0 | 0 | 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° | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 |
| 2.5° | 1785.8 | 1788.1 | 1783.4 | 1783.4 | 1788.1 | 1783.4 | 1785.8 | 1785.8 | 1783.4 | 1783.4 | 1781.0 |
| 5° | 1792.9 | 1790.5 | 1790.5 | 1790.5 | 1792.9 | 1788.1 | 1785.8 | 1788.1 | 1783.4 | 1783.4 | 1783.4 |
| 7.5° | 1795.3 | 1795.3 | 1792.9 | 1790.5 | 1790.5 | 1790.5 | 1788.1 | 1785.8 | 1783.4 | 1778.6 | 1776.2 |
| 10° | 1790.5 | 1790.5 | 1792.9 | 1788.1 | 1788.1 | 1783.4 | 1783.4 | 1778.6 | 1778.6 | 1773.9 | 1766.7 |
| 12.5° | 1785.8 | 1783.4 | 1783.4 | 1778.6 | 1778.6 | 1773.9 | 1773.9 | 1766.7 | 1764.4 | 1757.3 | 1750.2 |
| 15° | 1773.9 | 1771.5 | 1766.7 | 1764.4 | 1762.0 | 1759.6 | 1755.0 | 1752.6 | 1745.5 | 1735.9 | 1728.8 |
| 17.5° | 1750.2 | 1747.8 | 1745.5 | 1740.7 | 1735.9 | 1733.6 | 1731.2 | 1724.0 | 1714.7 | 1707.5 | 1695.6 |
| 20° | 1716.9 | 1714.7 | 1714.7 | 1707.5 | 1705.1 | 1698.0 | 1695.6 | 1686.1 | 1679.0 | 1664.8 | 1655.3 |
| 22.5° | 1671.9 | 1674.2 | 1669.6 | 1664.8 | 1660.1 | 1652.9 | 1648.2 | 1638.7 | 1626.9 | 1612.6 | 1600.8 |
| 25° | 1617.4 | 1619.8 | 1615.0 | 1610.3 | 1603.1 | 1598.4 | 1593.6 | 1579.5 | 1567.6 | 1550.9 | 1536.8 |
| 27.5° | 1548.6 | 1548.6 | 1548.6 | 1543.8 | 1532.0 | 1529.6 | 1524.9 | 1510.6 | 1494.1 | 1479.8 | 1465.6 |
| 30° | 1467.9 | 1465.6 | 1465.6 | 1458.4 | 1453.8 | 1444.3 | 1437.1 | 1425.3 | 1413.4 | 1396.8 | 1380.2 |
| 32.5° | 1370.7 | 1373.1 | 1366.0 | 1361.3 | 1354.2 | 1354.2 | 1344.6 | 1335.1 | 1321.0 | 1304.3 | 1287.7 |
| 35° | 1264.0 | 1266.4 | 1261.6 | 1259.3 | 1247.4 | 1245.0 | 1242.6 | 1230.9 | 1221.3 | 1209.5 | 1190.5 |
| 37.5° | 1154.9 | 1152.5 | 1150.2 | 1150.2 | 1143.1 | 1138.3 | 1133.6 | 1126.5 | 1112.2 | 1102.8 | 1093.3 |
| 40° | 1036.3 | 1036.3 | 1036.3 | 1034.0 | 1031.6 | 1026.8 | 1024.4 | 1019.8 | 1010.3 | 1000.8 | 993.6 |
| 42.5° | 929.7 | 929.7 | 927.3 | 924.9 | 920.2 | 922.5 | 917.8 | 913.0 | 903.5 | 896.4 | 891.6 |
| 45° | 825.3 | 825.3 | 825.3 | 827.7 | 822.9 | 815.8 | 815.8 | 811.0 | 806.3 | 801.6 | 794.5 |
| 47.5° | 732.8 | 739.9 | 735.2 | 732.8 | 735.2 | 725.6 | 725.6 | 720.9 | 716.3 | 711.5 | 702.0 |
| 50° | 656.9 | 656.9 | 656.9 | 652.2 | 649.8 | 649.8 | 642.7 | 637.9 | 635.5 | 630.8 | 621.4 |
| 52.5° | 588.1 | 583.4 | 583.4 | 581.1 | 578.7 | 573.9 | 573.9 | 569.2 | 559.7 | 554.9 | 547.8 |
| 55° | 519.4 | 519.4 | 517.0 | 514.6 | 512.2 | 509.8 | 507.5 | 500.3 | 495.7 | 488.6 | 481.4 |
| 57.5° | 457.6 | 462.4 | 460.0 | 455.4 | 450.6 | 450.6 | 445.9 | 441.1 | 434.0 | 426.9 | 419.7 |
| 60° | 407.9 | 405.6 | 405.6 | 403.2 | 398.4 | 396.1 | 393.7 | 386.5 | 379.4 | 372.3 | 365.3 |
| 62.5° | 355.7 | 355.7 | 355.7 | 351.0 | 346.2 | 343.9 | 341.5 | 336.7 | 327.2 | 320.2 | 315.4 |
| 65° | 310.7 | 308.3 | 305.9 | 303.6 | 301.2 | 296.4 | 294.0 | 289.3 | 282.1 | 275.1 | 268.0 |
| 67.5° | 265.6 | 263.2 | 263.2 | 260.9 | 253.7 | 251.4 | 251.4 | 244.2 | 237.2 | 230.1 | 222.9 |
| 70° | 220.6 | 220.6 | 220.6 | 215.8 | 213.4 | 211.0 | 208.7 | 203.9 | 196.8 | 189.8 | 182.6 |
| 72.5° | 182.6 | 180.3 | 180.3 | 177.9 | 170.7 | 168.4 | 166.0 | 161.2 | 154.1 | 149.5 | 144.7 |
| 75° | 142.3 | 142.3 | 139.9 | 137.6 | 135.2 | 132.8 | 130.4 | 125.7 | 118.5 | 111.4 | 109.0 |
| 77.5° | 109.0 | 106.8 | 106.8 | 104.4 | 99.6 | 97.3 | 97.3 | 92.5 | 85.4 | 80.6 | 75.9 |
| 80° | 73.5 | 75.9 | 73.5 | 71.1 | 68.7 | 66.3 | 64.1 | 61.7 | 57.0 | 52.2 | 47.4 |
| 82.5° | 45.1 | 47.4 | 45.1 | 45.1 | 42.7 | 40.3 | 40.3 | 35.6 | 33.2 | 30.8 | 28.4 |
| 85° | 23.7 | 23.7 | 23.7 | 23.7 | 21.4 | 21.4 | 21.4 | 19.0 | 16.6 | 14.3 | 14.3 |
| 87.5° | 7.1 | 9.5 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 4.8 | 4.8 | 4.8 |
| 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° | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 |
| 2.5° | 1783.4 | 1781.0 | 1778.6 | 1778.6 | 1778.6 | 1778.6 | 1778.6 | 1776.2 | 1773.9 | 1773.9 | 1773.9 |
| 5° | 1778.6 | 1778.6 | 1778.6 | 1776.2 | 1773.9 | 1773.9 | 1769.1 | 1766.7 | 1764.4 | 1762.0 | 1759.6 |
| 7.5° | 1773.9 | 1769.1 | 1766.7 | 1764.4 | 1762.0 | 1762.0 | 1757.3 | 1752.6 | 1752.6 | 1747.8 | 1743.1 |
| 10° | 1759.6 | 1757.3 | 1752.6 | 1747.8 | 1745.5 | 1743.1 | 1738.3 | 1731.2 | 1728.8 | 1724.0 | 1719.3 |
| 12.5° | 1743.1 | 1738.3 | 1733.6 | 1724.0 | 1721.7 | 1719.3 | 1709.9 | 1702.8 | 1698.0 | 1695.6 | 1683.7 |
| 15° | 1721.7 | 1712.3 | 1705.1 | 1693.3 | 1690.9 | 1686.1 | 1679.0 | 1671.9 | 1662.5 | 1655.3 | 1650.6 |
| 17.5° | 1683.7 | 1674.2 | 1662.5 | 1650.6 | 1645.8 | 1645.8 | 1633.9 | 1624.5 | 1612.6 | 1607.9 | 1598.4 |
| 20° | 1638.7 | 1626.9 | 1617.4 | 1603.1 | 1596.0 | 1588.9 | 1581.8 | 1567.6 | 1558.1 | 1550.9 | 1539.2 |
| 22.5° | 1586.5 | 1570.0 | 1558.1 | 1543.8 | 1532.0 | 1524.9 | 1513.0 | 1501.1 | 1489.3 | 1482.2 | 1472.7 |
| 25° | 1520.1 | 1505.9 | 1487.0 | 1472.7 | 1465.6 | 1456.0 | 1441.9 | 1430.0 | 1418.1 | 1406.3 | 1401.6 |
| 27.5° | 1446.7 | 1427.6 | 1411.0 | 1394.5 | 1387.3 | 1380.2 | 1363.7 | 1349.4 | 1339.9 | 1328.0 | 1323.4 |
| 30° | 1366.0 | 1347.0 | 1328.0 | 1313.8 | 1306.7 | 1294.8 | 1285.3 | 1268.8 | 1256.9 | 1247.4 | 1235.6 |
| 32.5° | 1273.5 | 1259.3 | 1242.6 | 1221.3 | 1216.6 | 1207.1 | 1192.9 | 1185.8 | 1171.5 | 1164.4 | 1154.9 |
| 35° | 1173.9 | 1164.4 | 1147.9 | 1131.2 | 1124.1 | 1119.3 | 1107.4 | 1093.3 | 1083.8 | 1076.6 | 1071.9 |
| 37.5° | 1079.0 | 1067.1 | 1050.6 | 1038.7 | 1034.0 | 1026.8 | 1012.7 | 1005.5 | 996.0 | 991.3 | 981.8 |
| 40° | 977.0 | 965.2 | 953.3 | 946.2 | 939.1 | 934.3 | 924.9 | 917.8 | 908.3 | 901.1 | 898.8 |
| 42.5° | 877.5 | 870.3 | 860.8 | 851.3 | 848.9 | 841.9 | 837.2 | 830.0 | 822.9 | 820.5 | 813.4 |
| 45° | 787.4 | 780.2 | 770.7 | 761.2 | 758.9 | 754.2 | 751.8 | 744.7 | 739.9 | 739.9 | 739.9 |
| 47.5° | 697.2 | 690.1 | 680.6 | 675.8 | 678.2 | 668.8 | 668.8 | 666.4 | 661.7 | 661.7 | 664.1 |
| 50° | 616.6 | 607.1 | 604.7 | 600.0 | 595.2 | 590.5 | 592.8 | 585.8 | 585.8 | 590.5 | 588.1 |
| 52.5° | 540.8 | 531.2 | 528.9 | 524.1 | 521.7 | 521.7 | 519.4 | 519.4 | 517.0 | 519.4 | 519.4 |
| 55° | 471.9 | 464.8 | 460.0 | 455.4 | 453.0 | 453.0 | 453.0 | 450.6 | 448.3 | 453.0 | 455.4 |
| 57.5° | 410.3 | 407.9 | 403.2 | 396.1 | 393.7 | 391.3 | 388.9 | 388.9 | 388.9 | 388.9 | 391.3 |
| 60° | 355.7 | 351.0 | 346.2 | 339.1 | 339.1 | 336.7 | 334.3 | 332.0 | 332.0 | 332.0 | 332.0 |
| 62.5° | 308.3 | 301.2 | 294.0 | 289.3 | 286.9 | 284.5 | 282.1 | 277.5 | 277.5 | 277.5 | 277.5 |
| 65° | 260.9 | 253.7 | 249.0 | 244.2 | 239.5 | 239.5 | 234.8 | 232.4 | 227.7 | 225.3 | 220.6 |
| 67.5° | 215.8 | 211.0 | 206.3 | 199.2 | 196.8 | 194.5 | 189.8 | 187.4 | 180.3 | 177.9 | 175.5 |
| 70° | 175.5 | 168.4 | 163.6 | 158.9 | 156.5 | 151.8 | 147.1 | 142.3 | 137.6 | 132.8 | 128.1 |
| 72.5° | 137.6 | 130.4 | 125.7 | 120.9 | 116.2 | 116.2 | 109.0 | 104.4 | 97.3 | 92.5 | 85.4 |
| 75° | 102.0 | 94.9 | 90.1 | 83.0 | 80.6 | 78.2 | 71.1 | 66.3 | 59.3 | 52.2 | 47.4 |
| 77.5° | 68.7 | 64.1 | 59.3 | 52.2 | 47.4 | 47.4 | 40.3 | 35.6 | 30.8 | 23.7 | 21.4 |
| 80° | 42.7 | 37.9 | 33.2 | 28.4 | 28.4 | 23.7 | 21.4 | 16.6 | 11.9 | 9.5 | 7.1 |
| 82.5° | 23.7 | 21.4 | 19.0 | 14.3 | 14.3 | 11.9 | 9.5 | 7.1 | 4.8 | 2.4 | 2.4 |
| 85° | 11.9 | 9.5 | 7.1 | 7.1 | 4.8 | 4.8 | 4.8 | 2.4 | 2.4 | 0.0 | 0.0 |
| 87.5° | 4.8 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 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° | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 |
| 2.5° | 1771.5 | 1771.5 | 1769.1 | 1769.1 | 1769.1 | 1766.7 | 1769.1 | 1766.7 | 1766.7 | 1766.7 | 1769.1 |
| 5° | 1762.0 | 1757.3 | 1757.3 | 1755.0 | 1755.0 | 1752.6 | 1755.0 | 1752.6 | 1750.2 | 1747.8 | 1750.2 |
| 7.5° | 1743.1 | 1738.3 | 1735.9 | 1733.6 | 1733.6 | 1733.6 | 1731.2 | 1728.8 | 1731.2 | 1724.0 | 1728.8 |
| 10° | 1716.9 | 1714.7 | 1709.9 | 1707.5 | 1705.1 | 1707.5 | 1705.1 | 1700.4 | 1700.4 | 1700.4 | 1698.0 |
| 12.5° | 1683.7 | 1679.0 | 1676.6 | 1674.2 | 1669.6 | 1669.6 | 1671.9 | 1667.2 | 1667.2 | 1662.5 | 1662.5 |
| 15° | 1643.4 | 1638.7 | 1633.9 | 1633.9 | 1629.2 | 1629.2 | 1626.9 | 1626.9 | 1624.5 | 1622.2 | 1622.2 |
| 17.5° | 1593.6 | 1586.5 | 1581.8 | 1584.2 | 1581.8 | 1579.5 | 1579.5 | 1574.7 | 1572.3 | 1574.7 | 1574.7 |
| 20° | 1534.4 | 1529.6 | 1524.9 | 1527.3 | 1522.5 | 1520.1 | 1522.5 | 1515.4 | 1517.8 | 1517.8 | 1517.8 |
| 22.5° | 1467.9 | 1465.6 | 1458.4 | 1458.4 | 1453.8 | 1451.4 | 1453.8 | 1453.8 | 1456.0 | 1453.8 | 1453.8 |
| 25° | 1394.5 | 1389.7 | 1384.9 | 1384.9 | 1382.6 | 1380.2 | 1382.6 | 1384.9 | 1382.6 | 1384.9 | 1384.9 |
| 27.5° | 1316.2 | 1309.1 | 1309.1 | 1304.3 | 1304.3 | 1306.7 | 1304.3 | 1306.7 | 1309.1 | 1309.1 | 1313.8 |
| 30° | 1230.9 | 1228.5 | 1226.1 | 1223.7 | 1223.7 | 1226.1 | 1226.1 | 1226.1 | 1228.5 | 1233.2 | 1233.2 |
| 32.5° | 1150.2 | 1145.5 | 1140.7 | 1140.7 | 1145.5 | 1143.1 | 1145.5 | 1145.5 | 1150.2 | 1150.2 | 1154.9 |
| 35° | 1062.5 | 1062.5 | 1057.7 | 1060.1 | 1060.1 | 1060.1 | 1060.1 | 1064.7 | 1069.5 | 1071.9 | 1076.6 |
| 37.5° | 981.8 | 974.7 | 977.0 | 977.0 | 979.4 | 977.0 | 984.1 | 984.1 | 988.9 | 988.9 | 993.6 |
| 40° | 894.0 | 894.0 | 896.4 | 894.0 | 896.4 | 896.4 | 901.1 | 905.9 | 908.3 | 913.0 | 915.4 |
| 42.5° | 811.0 | 815.8 | 811.0 | 813.4 | 815.8 | 818.2 | 820.5 | 822.9 | 832.4 | 837.2 | 844.3 |
| 45° | 735.2 | 737.5 | 739.9 | 742.3 | 739.9 | 744.7 | 747.0 | 751.8 | 758.9 | 761.2 | 763.6 |
| 47.5° | 661.7 | 664.1 | 666.4 | 668.8 | 668.8 | 673.4 | 675.8 | 680.6 | 685.3 | 687.7 | 690.1 |
| 50° | 590.5 | 595.2 | 597.6 | 597.6 | 600.0 | 604.7 | 609.5 | 609.5 | 614.2 | 621.4 | 623.7 |
| 52.5° | 526.5 | 526.5 | 531.2 | 533.6 | 536.0 | 536.0 | 543.0 | 545.4 | 547.8 | 552.5 | 557.3 |
| 55° | 455.4 | 462.4 | 464.8 | 464.8 | 469.5 | 474.3 | 476.7 | 479.0 | 479.0 | 488.6 | 488.6 |
| 57.5° | 393.7 | 396.1 | 400.8 | 400.8 | 400.8 | 407.9 | 407.9 | 412.6 | 415.0 | 417.3 | 422.1 |
| 60° | 332.0 | 336.7 | 336.7 | 339.1 | 336.7 | 341.5 | 343.9 | 348.6 | 351.0 | 353.4 | 355.7 |
| 62.5° | 275.1 | 275.1 | 277.5 | 277.5 | 277.5 | 277.5 | 282.1 | 282.1 | 286.9 | 289.3 | 291.7 |
| 65° | 220.6 | 220.6 | 220.6 | 220.6 | 220.6 | 220.6 | 220.6 | 220.6 | 222.9 | 222.9 | 227.7 |
| 67.5° | 170.7 | 168.4 | 163.6 | 166.0 | 163.6 | 163.6 | 161.2 | 161.2 | 163.6 | 163.6 | 168.4 |
| 70° | 123.3 | 120.9 | 116.2 | 116.2 | 113.8 | 111.4 | 109.0 | 106.8 | 104.4 | 104.4 | 104.4 |
| 72.5° | 80.6 | 75.9 | 68.7 | 66.3 | 66.3 | 61.7 | 57.0 | 54.6 | 54.6 | 54.6 | 54.6 |
| 75° | 40.3 | 35.6 | 30.8 | 28.4 | 28.4 | 23.7 | 26.0 | 23.7 | 23.7 | 23.7 | 23.7 |
| 77.5° | 16.6 | 11.9 | 9.5 | 9.5 | 9.5 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 |
| 80° | 4.8 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 82.5° | 2.4 | 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 |

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



TEST NUMBER: P584361

CATALOG NUMBER: HCC8S30D010BZ-HM82555940-81RWWC

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 | 1776.2 |
| 2.5° | 1766.7 | 1766.7 | 1762.0 | 1764.4 | 1764.4 | 1764.4 | 1764.4 | 1764.4 |
| 5° | 1745.5 | 1747.8 | 1745.5 | 1747.8 | 1747.8 | 1745.5 | 1745.5 | 1745.5 |
| 7.5° | 1724.0 | 1726.4 | 1724.0 | 1726.4 | 1726.4 | 1726.4 | 1724.0 | 1724.0 |
| 10° | 1698.0 | 1698.0 | 1698.0 | 1698.0 | 1698.0 | 1695.6 | 1698.0 | 1698.0 |
| 12.5° | 1662.5 | 1662.5 | 1662.5 | 1664.8 | 1664.8 | 1662.5 | 1662.5 | 1660.1 |
| 15° | 1624.5 | 1619.8 | 1622.2 | 1624.5 | 1622.2 | 1622.2 | 1622.2 | 1622.2 |
| 17.5° | 1572.3 | 1574.7 | 1572.3 | 1572.3 | 1572.3 | 1572.3 | 1574.7 | 1572.3 |
| 20° | 1517.8 | 1517.8 | 1520.1 | 1517.8 | 1517.8 | 1517.8 | 1517.8 | 1515.4 |
| 22.5° | 1456.0 | 1453.8 | 1453.8 | 1456.0 | 1456.0 | 1453.8 | 1456.0 | 1456.0 |
| 25° | 1387.3 | 1389.7 | 1387.3 | 1387.3 | 1389.7 | 1389.7 | 1389.7 | 1387.3 |
| 27.5° | 1313.8 | 1316.2 | 1318.6 | 1316.2 | 1316.2 | 1316.2 | 1318.6 | 1321.0 |
| 30° | 1237.9 | 1242.6 | 1237.9 | 1237.9 | 1242.6 | 1240.2 | 1242.6 | 1242.6 |
| 32.5° | 1157.3 | 1164.4 | 1159.6 | 1164.4 | 1164.4 | 1166.8 | 1164.4 | 1166.8 |
| 35° | 1076.6 | 1083.8 | 1083.8 | 1083.8 | 1086.2 | 1088.5 | 1088.5 | 1086.2 |
| 37.5° | 1000.8 | 1003.2 | 1003.2 | 1007.9 | 1010.3 | 1012.7 | 1012.7 | 1010.3 |
| 40° | 922.5 | 927.3 | 929.7 | 929.7 | 929.7 | 934.3 | 939.1 | 934.3 |
| 42.5° | 846.6 | 848.9 | 851.3 | 851.3 | 856.1 | 858.5 | 860.8 | 860.8 |
| 45° | 773.1 | 777.8 | 780.2 | 782.6 | 785.0 | 789.7 | 787.4 | 792.1 |
| 47.5° | 697.2 | 704.4 | 706.7 | 709.1 | 713.9 | 716.3 | 718.5 | 720.9 |
| 50° | 628.5 | 633.1 | 633.1 | 637.9 | 645.0 | 645.0 | 649.8 | 652.2 |
| 52.5° | 559.7 | 562.0 | 564.4 | 566.8 | 571.6 | 576.3 | 576.3 | 581.1 |
| 55° | 493.3 | 495.7 | 495.7 | 498.1 | 500.3 | 509.8 | 512.2 | 512.2 |
| 57.5° | 424.5 | 424.5 | 429.2 | 431.6 | 434.0 | 438.7 | 438.7 | 438.7 |
| 60° | 358.1 | 360.5 | 360.5 | 362.9 | 365.3 | 369.9 | 372.3 | 369.9 |
| 62.5° | 291.7 | 294.0 | 294.0 | 296.4 | 301.2 | 303.6 | 301.2 | 301.2 |
| 65° | 230.1 | 232.4 | 232.4 | 234.8 | 239.5 | 239.5 | 237.2 | 239.5 |
| 67.5° | 168.4 | 168.4 | 168.4 | 168.4 | 168.4 | 168.4 | 168.4 | 168.4 |
| 70° | 106.8 | 104.4 | 102.0 | 104.4 | 104.4 | 104.4 | 102.0 | 106.8 |
| 72.5° | 52.2 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 52.2 |
| 75° | 23.7 | 23.7 | 21.4 | 21.4 | 21.4 | 23.7 | 23.7 | 21.4 |
| 77.5° | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 |
| 80° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 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)