

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: P584251

Luminaire Tested: **HCC8W30D010BZ-HM82555827-81WWWB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W30D010BZ-HM82555827-81WWWB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

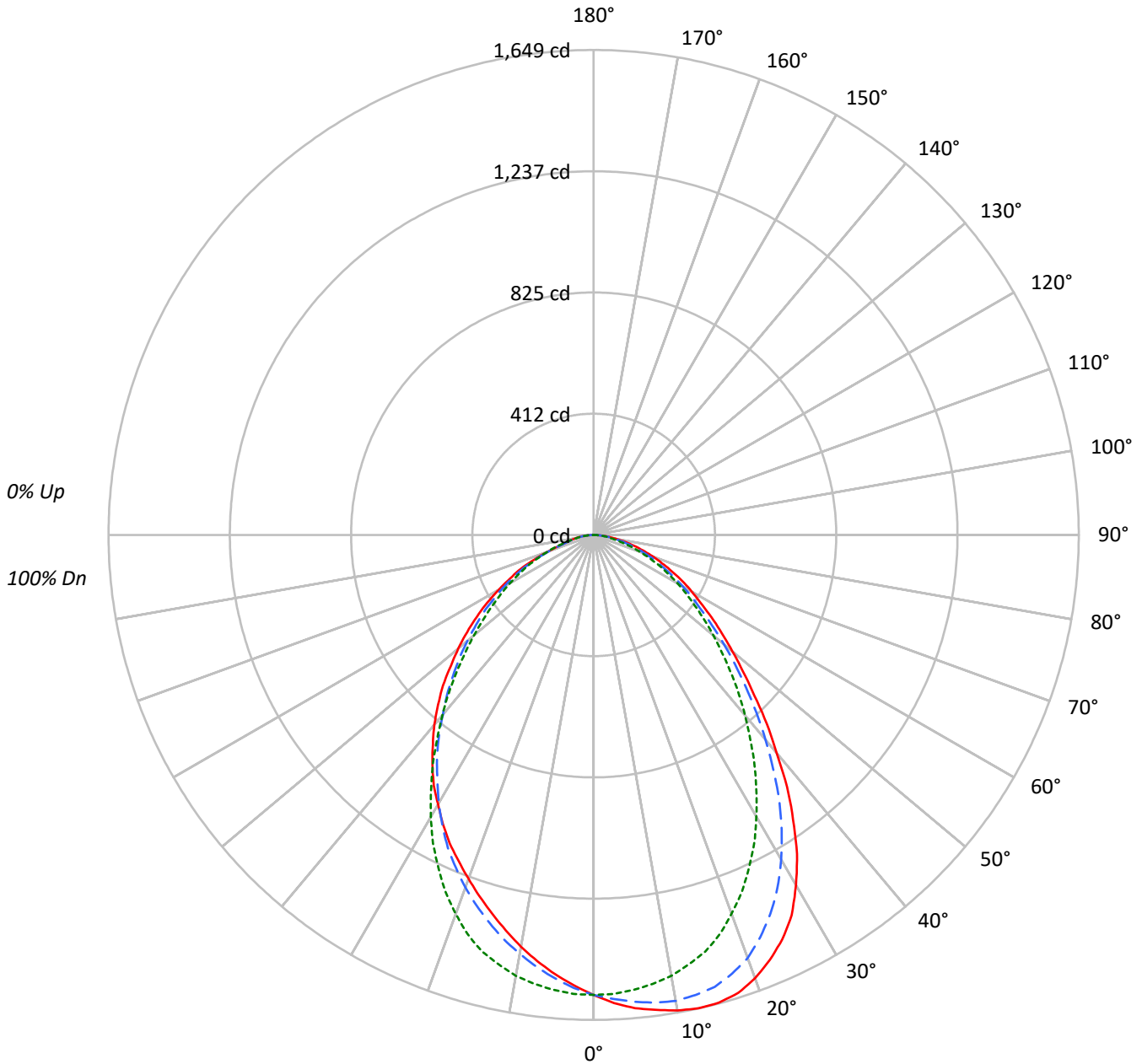
Lumens per Lamp: N/A
Luminaire Lumens: 3146.1 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.18
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P584251
CATALOG NUMBER: HCC8W30D010BZ-HM82555827-81WWWB

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 | 92 | 91 | 89 | 87 | | | | | 87 | | | |
| 2 | 102 | 94 | 88 | 83 | 99 | 93 | 87 | 82 | 89 | 85 | 81 | 86 | 82 | 79 | 83 | 80 | 77 | 75 | | | | | 75 | | | |
| 3 | 94 | 84 | 77 | 71 | 91 | 83 | 76 | 71 | 80 | 74 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 65 | | | | | 65 | | | |
| 4 | 87 | 76 | 68 | 62 | 84 | 75 | 67 | 61 | 72 | 66 | 61 | 70 | 64 | 60 | 68 | 63 | 59 | 57 | | | | | 57 | | | |
| 5 | 80 | 69 | 60 | 54 | 78 | 67 | 60 | 54 | 65 | 59 | 54 | 64 | 58 | 53 | 62 | 57 | 52 | 50 | | | | | 50 | | | |
| 6 | 75 | 62 | 54 | 48 | 73 | 61 | 54 | 48 | 60 | 53 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 45 | | | | | 45 | | | |
| 7 | 70 | 57 | 49 | 43 | 68 | 56 | 49 | 43 | 55 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 42 | 40 | | | | | 40 | | | |
| 8 | 65 | 52 | 45 | 39 | 64 | 52 | 44 | 39 | 51 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 38 | 37 | | | | | 37 | | | |
| 9 | 61 | 48 | 41 | 36 | 60 | 48 | 41 | 36 | 47 | 40 | 35 | 46 | 40 | 35 | 45 | 39 | 35 | 33 | | | | | 33 | | | |
| 10 | 57 | 45 | 38 | 33 | 56 | 44 | 37 | 33 | 44 | 37 | 32 | 43 | 37 | 32 | 42 | 36 | 32 | 30 | | | | | 30 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 48234 | 48234 | 48234 |
| 5° | 50003 | 48078 | 46425 |
| 10° | 51414 | 47657 | 44526 |
| 15° | 52560 | 46817 | 42561 |
| 20° | 52642 | 44987 | 40832 |
| 25° | 51635 | 42486 | 39386 |
| 30° | 48973 | 39399 | 37658 |
| 35° | 44499 | 35882 | 35969 |
| 40° | 38905 | 32203 | 33902 |
| 45° | 33719 | 28686 | 31586 |
| 50° | 29522 | 25474 | 28784 |
| 55° | 26279 | 22580 | 26042 |
| 60° | 23707 | 20284 | 22887 |
| 65° | 21401 | 17840 | 19949 |
| 70° | 19231 | 15030 | 14822 |
| 75° | 16942 | 11914 | 11116 |
| 80° | 14206 | 9856 | 10655 |
| 85° | 11039 | 8668 | 9411 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 147.6 | 4.7 |
| 10°-20° | 415.6 | 13.2 |
| 20°-30° | 594.0 | 18.9 |
| 30°-40° | 631.2 | 20.1 |
| 40°-50° | 543.4 | 17.3 |
| 50°-60° | 406.3 | 12.9 |
| 60°-70° | 259.1 | 8.2 |
| 70°-80° | 117.9 | 3.7 |
| 80°-90° | 30.9 | 1.0 |
| 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° | 1157.2 | 36.8 |
| 0°-40° | 1788.4 | 56.8 |
| 0°-60° | 2738.1 | 87.0 |
| 0°-90° | 3146.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3146.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1564 | 1564 | 1564 | 1564 | 1564 | |
| 5° | 1615 | 1593 | 1553 | 1513 | 1500 | 155 |
| 15° | 1646 | 1591 | 1466 | 1366 | 1333 | 464 |
| 25° | 1518 | 1422 | 1249 | 1173 | 1158 | 695 |
| 35° | 1182 | 1100 | 953 | 929 | 956 | 736 |
| 45° | 773 | 731 | 658 | 676 | 724 | 601 |
| 55° | 489 | 449 | 420 | 456 | 484 | 440 |
| 65° | 293 | 260 | 244 | 256 | 273 | 293 |
| 75° | 142 | 122 | 100 | 91 | 93 | 151 |
| 85° | 31 | 27 | 24 | 27 | 27 | 38 |
| 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° | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 |
| 2.5° | 1593.1 | 1588.7 | 1590.9 | 1588.7 | 1590.9 | 1590.9 | 1586.5 | 1586.5 | 1586.5 | 1586.5 | 1579.8 |
| 5° | 1615.4 | 1613.1 | 1613.1 | 1610.9 | 1608.7 | 1610.9 | 1608.7 | 1606.5 | 1602.1 | 1599.8 | 1593.1 |
| 7.5° | 1628.7 | 1628.7 | 1628.7 | 1628.7 | 1626.4 | 1624.3 | 1622.0 | 1617.6 | 1613.1 | 1608.7 | 1604.2 |
| 10° | 1642.0 | 1644.3 | 1642.0 | 1639.7 | 1637.6 | 1633.1 | 1631.0 | 1626.4 | 1619.8 | 1613.1 | 1608.7 |
| 12.5° | 1648.7 | 1648.7 | 1646.4 | 1646.4 | 1642.0 | 1639.7 | 1633.1 | 1626.4 | 1619.8 | 1613.1 | 1602.1 |
| 15° | 1646.4 | 1646.4 | 1644.3 | 1642.0 | 1635.4 | 1633.1 | 1628.7 | 1622.0 | 1610.9 | 1602.1 | 1590.9 |
| 17.5° | 1633.1 | 1631.0 | 1626.4 | 1626.4 | 1617.6 | 1615.4 | 1610.9 | 1602.1 | 1590.9 | 1577.6 | 1564.2 |
| 20° | 1604.2 | 1604.2 | 1602.1 | 1599.8 | 1590.9 | 1584.2 | 1579.8 | 1568.6 | 1559.8 | 1544.3 | 1531.0 |
| 22.5° | 1564.2 | 1568.6 | 1564.2 | 1559.8 | 1548.7 | 1546.5 | 1539.8 | 1526.4 | 1513.1 | 1495.4 | 1479.8 |
| 25° | 1517.6 | 1515.4 | 1513.1 | 1508.7 | 1499.8 | 1495.4 | 1486.5 | 1473.2 | 1459.9 | 1439.9 | 1422.0 |
| 27.5° | 1457.6 | 1448.7 | 1448.7 | 1439.9 | 1433.1 | 1426.4 | 1422.0 | 1408.7 | 1390.9 | 1375.4 | 1353.2 |
| 30° | 1375.4 | 1377.6 | 1366.5 | 1364.3 | 1353.2 | 1348.7 | 1339.9 | 1326.4 | 1311.0 | 1293.2 | 1275.4 |
| 32.5° | 1286.5 | 1279.8 | 1279.8 | 1270.9 | 1262.1 | 1255.3 | 1253.2 | 1237.6 | 1224.3 | 1206.5 | 1188.8 |
| 35° | 1182.1 | 1182.1 | 1175.4 | 1173.2 | 1164.3 | 1159.9 | 1153.2 | 1144.3 | 1128.7 | 1113.1 | 1099.8 |
| 37.5° | 1079.8 | 1075.5 | 1073.2 | 1068.8 | 1062.1 | 1055.5 | 1055.5 | 1039.9 | 1037.6 | 1019.9 | 1002.1 |
| 40° | 966.5 | 970.9 | 966.5 | 959.9 | 957.6 | 953.2 | 951.0 | 942.2 | 935.4 | 919.9 | 908.8 |
| 42.5° | 871.1 | 866.5 | 866.5 | 864.3 | 855.5 | 855.5 | 851.0 | 846.6 | 835.5 | 831.0 | 817.7 |
| 45° | 773.2 | 777.7 | 771.1 | 773.2 | 764.4 | 764.4 | 764.4 | 755.5 | 746.6 | 739.9 | 731.0 |
| 47.5° | 688.8 | 691.0 | 691.0 | 684.4 | 682.1 | 682.1 | 677.7 | 673.2 | 666.6 | 657.8 | 651.0 |
| 50° | 615.4 | 617.7 | 613.3 | 611.0 | 606.6 | 604.4 | 604.4 | 595.5 | 591.1 | 582.1 | 577.7 |
| 52.5° | 548.8 | 548.8 | 546.6 | 546.6 | 539.9 | 539.9 | 535.5 | 528.9 | 524.3 | 519.9 | 508.8 |
| 55° | 488.8 | 488.8 | 486.7 | 484.4 | 484.4 | 477.7 | 475.5 | 468.8 | 464.4 | 455.5 | 448.8 |
| 57.5° | 431.0 | 433.3 | 431.0 | 428.9 | 426.6 | 424.4 | 420.0 | 413.3 | 408.9 | 402.1 | 397.7 |
| 60° | 384.4 | 384.4 | 382.1 | 380.0 | 375.5 | 373.3 | 371.1 | 366.6 | 359.9 | 355.5 | 348.9 |
| 62.5° | 339.9 | 337.8 | 335.5 | 333.3 | 328.9 | 328.9 | 324.4 | 320.0 | 313.3 | 308.9 | 304.4 |
| 65° | 293.3 | 293.3 | 291.1 | 291.1 | 288.8 | 284.4 | 282.1 | 280.0 | 271.1 | 268.8 | 259.9 |
| 67.5° | 251.1 | 253.3 | 248.9 | 248.9 | 244.5 | 244.5 | 242.2 | 235.5 | 233.3 | 228.9 | 224.4 |
| 70° | 213.3 | 213.3 | 213.3 | 211.0 | 206.6 | 204.4 | 202.2 | 197.7 | 195.6 | 191.1 | 186.7 |
| 72.5° | 175.5 | 175.5 | 173.4 | 173.4 | 171.1 | 168.8 | 166.7 | 162.2 | 162.2 | 157.8 | 153.3 |
| 75° | 142.2 | 142.2 | 139.9 | 137.8 | 135.5 | 135.5 | 133.3 | 131.1 | 126.6 | 124.5 | 122.2 |
| 77.5° | 108.9 | 108.9 | 108.9 | 106.7 | 104.4 | 104.4 | 104.4 | 100.0 | 95.6 | 95.6 | 93.3 |
| 80° | 80.0 | 80.0 | 77.8 | 77.8 | 75.5 | 75.5 | 75.5 | 73.4 | 71.1 | 68.8 | 66.7 |
| 82.5° | 53.4 | 53.4 | 53.4 | 53.4 | 51.1 | 51.1 | 51.1 | 48.9 | 46.6 | 46.6 | 46.6 |
| 85° | 31.2 | 31.2 | 31.2 | 31.2 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 26.6 | 26.6 |
| 87.5° | 13.3 | 11.1 | 13.3 | 11.1 | 13.3 | 11.1 | 13.3 | 11.1 | 11.1 | 11.1 | 11.1 |
| 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° | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 |
| 2.5° | 1582.1 | 1579.8 | 1577.6 | 1575.3 | 1575.3 | 1573.2 | 1568.6 | 1566.5 | 1564.2 | 1562.0 | 1562.0 |
| 5° | 1590.9 | 1588.7 | 1584.2 | 1579.8 | 1577.6 | 1573.2 | 1568.6 | 1564.2 | 1559.8 | 1553.2 | 1550.9 |
| 7.5° | 1597.5 | 1590.9 | 1586.5 | 1577.6 | 1575.3 | 1570.9 | 1564.2 | 1557.6 | 1548.7 | 1539.8 | 1533.1 |
| 10° | 1597.5 | 1588.7 | 1582.1 | 1570.9 | 1566.5 | 1562.0 | 1553.2 | 1542.0 | 1531.0 | 1522.0 | 1511.0 |
| 12.5° | 1593.1 | 1582.1 | 1570.9 | 1559.8 | 1553.2 | 1546.5 | 1533.1 | 1522.0 | 1508.7 | 1495.4 | 1486.5 |
| 15° | 1577.6 | 1564.2 | 1550.9 | 1537.6 | 1531.0 | 1522.0 | 1508.7 | 1493.1 | 1479.8 | 1466.5 | 1450.9 |
| 17.5° | 1548.7 | 1535.4 | 1519.8 | 1504.2 | 1495.4 | 1488.7 | 1468.7 | 1457.6 | 1437.6 | 1424.3 | 1411.0 |
| 20° | 1511.0 | 1495.4 | 1475.4 | 1459.9 | 1448.7 | 1442.0 | 1426.4 | 1406.5 | 1390.9 | 1370.9 | 1357.6 |
| 22.5° | 1462.0 | 1442.0 | 1422.0 | 1406.5 | 1395.4 | 1386.5 | 1366.5 | 1346.5 | 1333.2 | 1315.4 | 1299.8 |
| 25° | 1404.3 | 1384.2 | 1364.3 | 1342.0 | 1331.0 | 1322.0 | 1304.3 | 1286.5 | 1268.8 | 1248.7 | 1235.4 |
| 27.5° | 1335.4 | 1313.1 | 1295.4 | 1275.4 | 1264.3 | 1250.9 | 1231.0 | 1213.1 | 1195.4 | 1182.1 | 1164.3 |
| 30° | 1259.9 | 1235.4 | 1217.7 | 1197.7 | 1186.5 | 1175.4 | 1155.5 | 1137.6 | 1122.1 | 1106.5 | 1097.7 |
| 32.5° | 1168.8 | 1151.0 | 1133.2 | 1113.1 | 1104.3 | 1097.7 | 1077.6 | 1059.9 | 1042.0 | 1028.7 | 1022.1 |
| 35° | 1082.1 | 1062.1 | 1046.6 | 1028.7 | 1017.7 | 1011.0 | 993.2 | 977.7 | 968.8 | 953.2 | 944.3 |
| 37.5° | 991.0 | 975.5 | 957.6 | 939.9 | 933.2 | 926.6 | 913.3 | 897.7 | 884.4 | 873.2 | 868.8 |
| 40° | 895.4 | 882.1 | 866.5 | 855.5 | 848.8 | 842.2 | 831.0 | 819.9 | 811.0 | 800.0 | 795.4 |
| 42.5° | 804.4 | 795.4 | 782.1 | 768.8 | 762.1 | 759.9 | 746.6 | 737.7 | 733.3 | 728.9 | 724.3 |
| 45° | 722.1 | 708.8 | 700.0 | 691.0 | 684.4 | 679.9 | 673.2 | 666.6 | 662.2 | 657.8 | 653.2 |
| 47.5° | 642.2 | 631.0 | 622.2 | 615.4 | 608.8 | 606.6 | 602.1 | 595.5 | 591.1 | 591.1 | 591.1 |
| 50° | 568.8 | 559.9 | 551.1 | 546.6 | 544.3 | 539.9 | 535.5 | 533.3 | 531.0 | 531.0 | 531.0 |
| 52.5° | 504.4 | 495.5 | 488.8 | 484.4 | 484.4 | 480.0 | 475.5 | 473.2 | 473.2 | 473.2 | 473.2 |
| 55° | 444.4 | 437.7 | 433.3 | 428.9 | 424.4 | 422.2 | 422.2 | 422.2 | 420.0 | 420.0 | 422.2 |
| 57.5° | 391.1 | 386.7 | 380.0 | 375.5 | 373.3 | 373.3 | 371.1 | 368.8 | 371.1 | 373.3 | 375.5 |
| 60° | 342.2 | 337.8 | 335.5 | 328.9 | 328.9 | 328.9 | 326.6 | 326.6 | 326.6 | 328.9 | 331.0 |
| 62.5° | 297.7 | 295.5 | 291.1 | 288.8 | 286.7 | 286.7 | 284.4 | 284.4 | 284.4 | 284.4 | 286.7 |
| 65° | 257.8 | 253.3 | 248.9 | 248.9 | 248.9 | 246.6 | 246.6 | 242.2 | 244.5 | 244.5 | 242.2 |
| 67.5° | 220.0 | 215.6 | 213.3 | 211.0 | 208.9 | 208.9 | 206.6 | 204.4 | 202.2 | 202.2 | 202.2 |
| 70° | 184.4 | 180.0 | 180.0 | 175.5 | 175.5 | 173.4 | 171.1 | 171.1 | 168.8 | 166.7 | 164.4 |
| 72.5° | 148.9 | 146.6 | 144.5 | 142.2 | 142.2 | 142.2 | 139.9 | 137.8 | 135.5 | 133.3 | 128.9 |
| 75° | 117.7 | 117.7 | 113.3 | 111.1 | 111.1 | 108.9 | 106.7 | 104.4 | 102.3 | 100.0 | 97.7 |
| 77.5° | 91.1 | 88.9 | 84.4 | 82.2 | 82.2 | 82.2 | 80.0 | 77.8 | 75.5 | 73.4 | 71.1 |
| 80° | 66.7 | 64.4 | 62.2 | 60.0 | 60.0 | 60.0 | 57.8 | 57.8 | 55.5 | 55.5 | 55.5 |
| 82.5° | 44.5 | 44.5 | 42.2 | 42.2 | 42.2 | 42.2 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 85° | 26.6 | 26.6 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 |
| 87.5° | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 |
| 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° | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 |
| 2.5° | 1557.6 | 1557.6 | 1553.2 | 1550.9 | 1548.7 | 1550.9 | 1546.5 | 1544.3 | 1542.0 | 1542.0 | 1539.8 |
| 5° | 1544.3 | 1542.0 | 1533.1 | 1531.0 | 1528.7 | 1526.4 | 1522.0 | 1517.6 | 1513.1 | 1511.0 | 1508.7 |
| 7.5° | 1526.4 | 1519.8 | 1511.0 | 1508.7 | 1506.5 | 1499.8 | 1493.1 | 1488.7 | 1482.1 | 1479.8 | 1475.4 |
| 10° | 1502.1 | 1493.1 | 1486.5 | 1479.8 | 1475.4 | 1468.7 | 1462.0 | 1455.3 | 1446.5 | 1444.3 | 1437.6 |
| 12.5° | 1473.2 | 1462.0 | 1448.7 | 1446.5 | 1439.9 | 1431.0 | 1422.0 | 1415.4 | 1408.7 | 1404.3 | 1397.6 |
| 15° | 1437.6 | 1426.4 | 1413.1 | 1406.5 | 1399.8 | 1393.2 | 1382.1 | 1373.2 | 1366.5 | 1359.9 | 1353.2 |
| 17.5° | 1395.4 | 1382.1 | 1370.9 | 1364.3 | 1359.9 | 1348.7 | 1339.9 | 1328.7 | 1322.0 | 1315.4 | 1308.7 |
| 20° | 1344.3 | 1333.2 | 1317.6 | 1311.0 | 1308.7 | 1299.8 | 1288.8 | 1284.2 | 1275.4 | 1268.8 | 1264.3 |
| 22.5° | 1286.5 | 1275.4 | 1262.1 | 1257.6 | 1248.7 | 1244.3 | 1233.2 | 1228.7 | 1224.3 | 1217.7 | 1215.4 |
| 25° | 1222.1 | 1211.0 | 1199.8 | 1197.7 | 1191.0 | 1186.5 | 1179.8 | 1173.2 | 1173.2 | 1166.5 | 1166.5 |
| 27.5° | 1155.5 | 1144.3 | 1135.4 | 1131.0 | 1128.7 | 1124.3 | 1117.7 | 1115.4 | 1113.1 | 1111.0 | 1111.0 |
| 30° | 1084.4 | 1070.9 | 1066.5 | 1064.3 | 1062.1 | 1057.6 | 1055.5 | 1051.0 | 1053.2 | 1055.5 | 1053.2 |
| 32.5° | 1008.7 | 1004.3 | 995.4 | 991.0 | 993.2 | 991.0 | 986.5 | 991.0 | 988.8 | 993.2 | 995.4 |
| 35° | 935.4 | 931.0 | 926.6 | 926.6 | 922.1 | 922.1 | 922.1 | 924.3 | 928.7 | 931.0 | 935.4 |
| 37.5° | 864.3 | 857.6 | 855.5 | 853.2 | 855.5 | 855.5 | 855.5 | 859.9 | 864.3 | 868.8 | 875.5 |
| 40° | 788.8 | 784.4 | 784.4 | 784.4 | 784.4 | 791.0 | 788.8 | 793.2 | 797.7 | 804.4 | 811.0 |
| 42.5° | 717.7 | 717.7 | 719.9 | 719.9 | 719.9 | 719.9 | 724.3 | 731.0 | 737.7 | 744.3 | 751.0 |
| 45° | 651.0 | 651.0 | 651.0 | 655.5 | 655.5 | 657.8 | 666.6 | 671.1 | 675.5 | 682.1 | 688.8 |
| 47.5° | 588.8 | 588.8 | 591.1 | 593.3 | 595.5 | 600.0 | 604.4 | 611.0 | 617.7 | 622.2 | 628.9 |
| 50° | 531.0 | 533.3 | 537.7 | 542.2 | 542.2 | 544.3 | 551.1 | 555.5 | 559.9 | 566.6 | 568.8 |
| 52.5° | 475.5 | 480.0 | 484.4 | 486.7 | 488.8 | 493.3 | 495.5 | 502.1 | 504.4 | 511.0 | 513.3 |
| 55° | 424.4 | 426.6 | 433.3 | 435.5 | 435.5 | 439.9 | 444.4 | 448.8 | 455.5 | 455.5 | 459.9 |
| 57.5° | 377.7 | 380.0 | 384.4 | 386.7 | 384.4 | 391.1 | 393.3 | 397.7 | 400.0 | 404.4 | 406.6 |
| 60° | 331.0 | 335.5 | 337.8 | 337.8 | 339.9 | 342.2 | 346.6 | 346.6 | 351.1 | 355.5 | 355.5 |
| 62.5° | 286.7 | 288.8 | 291.1 | 293.3 | 295.5 | 293.3 | 300.0 | 300.0 | 304.4 | 306.6 | 311.0 |
| 65° | 244.5 | 246.6 | 246.6 | 248.9 | 248.9 | 251.1 | 251.1 | 253.3 | 255.5 | 259.9 | 262.2 |
| 67.5° | 202.2 | 202.2 | 202.2 | 204.4 | 202.2 | 204.4 | 204.4 | 206.6 | 206.6 | 211.0 | 213.3 |
| 70° | 164.4 | 162.2 | 160.0 | 160.0 | 160.0 | 160.0 | 157.8 | 160.0 | 160.0 | 162.2 | 162.2 |
| 72.5° | 126.6 | 124.5 | 122.2 | 120.0 | 120.0 | 117.7 | 115.6 | 117.7 | 117.7 | 120.0 | 120.0 |
| 75° | 95.6 | 91.1 | 91.1 | 91.1 | 88.9 | 88.9 | 88.9 | 91.1 | 91.1 | 91.1 | 93.3 |
| 77.5° | 71.1 | 71.1 | 68.8 | 68.8 | 68.8 | 71.1 | 71.1 | 73.4 | 73.4 | 73.4 | 73.4 |
| 80° | 53.4 | 55.5 | 55.5 | 55.5 | 55.5 | 57.8 | 57.8 | 57.8 | 57.8 | 60.0 | 60.0 |
| 82.5° | 40.0 | 40.0 | 40.0 | 40.0 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 85° | 24.5 | 26.6 | 26.6 | 24.5 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 |
| 87.5° | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 |
| 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: P584251

CATALOG NUMBER: HCC8W30D010BZ-HM82555827-81WWWB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 | 1564.2 |
| 2.5° | 1537.6 | 1537.6 | 1537.6 | 1537.6 | 1535.4 | 1535.4 | 1535.4 | 1533.1 |
| 5° | 1504.2 | 1504.2 | 1504.2 | 1499.8 | 1502.1 | 1502.1 | 1497.5 | 1499.8 |
| 7.5° | 1470.9 | 1468.7 | 1466.5 | 1466.5 | 1464.3 | 1462.0 | 1459.9 | 1462.0 |
| 10° | 1433.1 | 1426.4 | 1426.4 | 1424.3 | 1424.3 | 1419.8 | 1419.8 | 1422.0 |
| 12.5° | 1390.9 | 1386.5 | 1386.5 | 1384.2 | 1382.1 | 1379.8 | 1377.6 | 1377.6 |
| 15° | 1348.7 | 1344.3 | 1342.0 | 1339.9 | 1337.6 | 1333.2 | 1335.4 | 1333.2 |
| 17.5° | 1306.5 | 1299.8 | 1299.8 | 1297.7 | 1295.4 | 1290.9 | 1290.9 | 1288.8 |
| 20° | 1257.6 | 1255.3 | 1250.9 | 1253.2 | 1250.9 | 1246.5 | 1244.3 | 1244.3 |
| 22.5° | 1208.7 | 1208.7 | 1206.5 | 1206.5 | 1204.3 | 1202.1 | 1199.8 | 1199.8 |
| 25° | 1162.1 | 1159.9 | 1162.1 | 1162.1 | 1155.5 | 1155.5 | 1155.5 | 1157.6 |
| 27.5° | 1108.7 | 1111.0 | 1108.7 | 1108.7 | 1108.7 | 1108.7 | 1111.0 | 1108.7 |
| 30° | 1055.5 | 1055.5 | 1055.5 | 1057.6 | 1062.1 | 1059.9 | 1059.9 | 1057.6 |
| 32.5° | 997.7 | 999.8 | 999.8 | 1002.1 | 1004.3 | 1008.7 | 1008.7 | 1011.0 |
| 35° | 939.9 | 944.3 | 946.6 | 944.3 | 951.0 | 951.0 | 955.5 | 955.5 |
| 37.5° | 879.9 | 882.1 | 886.5 | 888.8 | 893.2 | 895.4 | 897.7 | 897.7 |
| 40° | 815.4 | 824.3 | 826.6 | 828.7 | 835.5 | 835.5 | 837.7 | 842.2 |
| 42.5° | 755.5 | 764.4 | 766.5 | 768.8 | 773.2 | 779.9 | 777.7 | 782.1 |
| 45° | 697.7 | 704.4 | 706.6 | 708.8 | 715.4 | 717.7 | 717.7 | 724.3 |
| 47.5° | 635.5 | 639.9 | 642.2 | 646.6 | 651.0 | 655.5 | 659.9 | 657.8 |
| 50° | 573.2 | 579.9 | 584.4 | 586.7 | 593.3 | 595.5 | 597.7 | 600.0 |
| 52.5° | 517.7 | 522.2 | 524.3 | 526.6 | 533.3 | 535.5 | 537.7 | 542.2 |
| 55° | 464.4 | 466.6 | 471.1 | 468.8 | 475.5 | 477.7 | 480.0 | 484.4 |
| 57.5° | 411.0 | 413.3 | 415.6 | 415.6 | 420.0 | 424.4 | 426.6 | 428.9 |
| 60° | 359.9 | 364.4 | 366.6 | 366.6 | 366.6 | 371.1 | 371.1 | 371.1 |
| 62.5° | 313.3 | 313.3 | 315.6 | 315.6 | 320.0 | 320.0 | 320.0 | 320.0 |
| 65° | 264.4 | 266.7 | 268.8 | 268.8 | 273.4 | 271.1 | 275.5 | 273.4 |
| 67.5° | 213.3 | 213.3 | 217.7 | 217.7 | 215.6 | 217.7 | 217.7 | 217.7 |
| 70° | 162.2 | 162.2 | 164.4 | 164.4 | 164.4 | 164.4 | 164.4 | 164.4 |
| 72.5° | 120.0 | 120.0 | 120.0 | 122.2 | 120.0 | 120.0 | 122.2 | 120.0 |
| 75° | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| 77.5° | 73.4 | 73.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| 80° | 60.0 | 60.0 | 60.0 | 60.0 | 62.2 | 60.0 | 60.0 | 60.0 |
| 82.5° | 44.5 | 42.2 | 44.5 | 42.2 | 44.5 | 44.5 | 44.5 | 44.5 |
| 85° | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 |
| 87.5° | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 |
| 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)