

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: P584566

Luminaire Tested: **HCC8S40D010BZ-HM82555840-81RWWH**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584566
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S40D010BZ-HM82555840-81RWWH
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

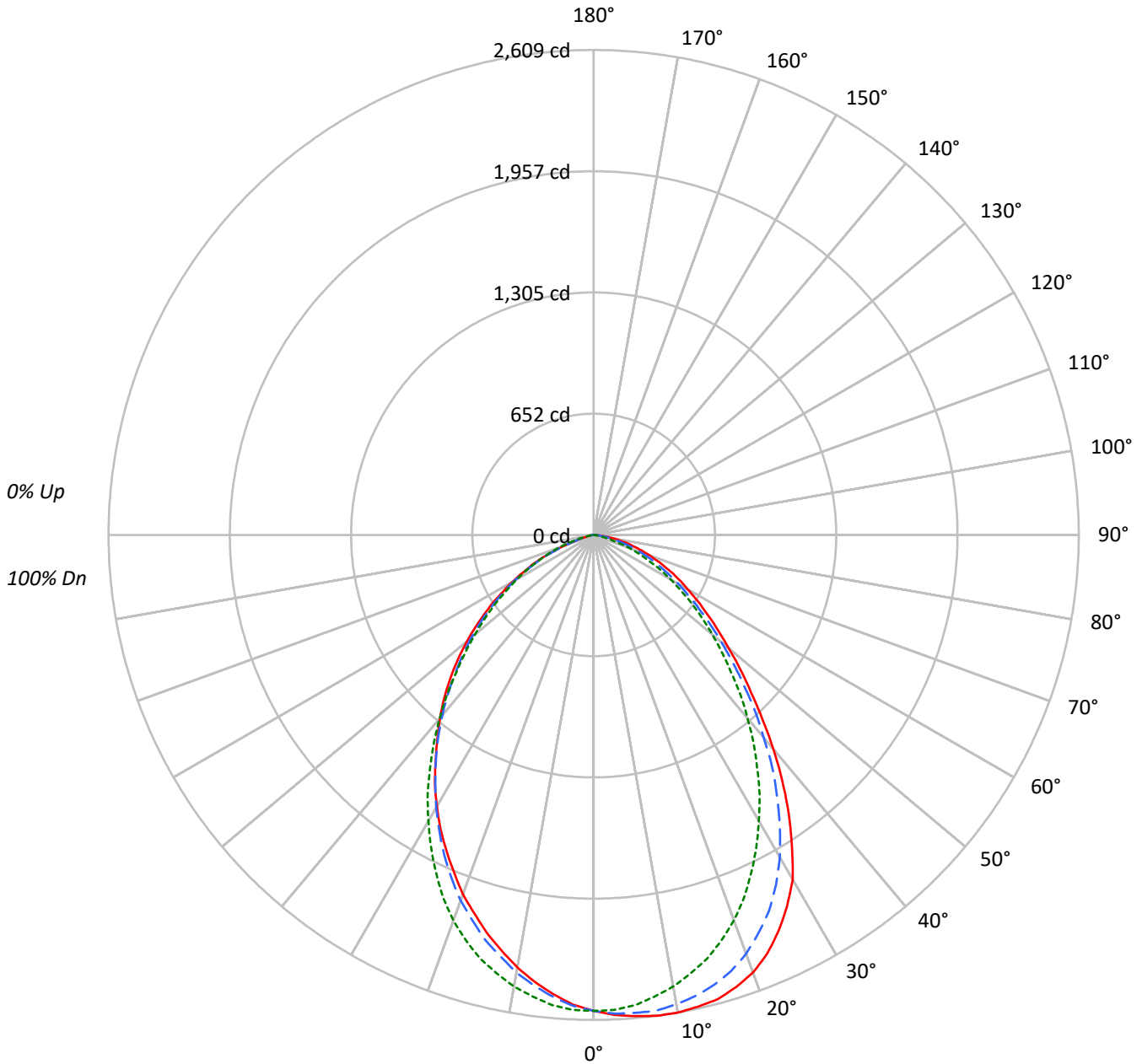
Lumens per Lamp: N/A
Luminaire Lumens: 4800.1 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 41
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: P584566
CATALOG NUMBER: HCC8S40D010BZ-HM82555840-81RWWH

Luminous Intensity Polar Plot





TEST NUMBER: P584566

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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 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | | | | | | | |
| 2 | 103 | 96 | 90 | 85 | 100 | 94 | 89 | 84 | 90 | 86 | 82 | 87 | 84 | 80 | 84 | 81 | 79 | 77 | | | | | | | | |
| 3 | 95 | 86 | 79 | 73 | 92 | 84 | 78 | 73 | 81 | 76 | 71 | 79 | 74 | 70 | 76 | 72 | 69 | 67 | | | | | | | | |
| 4 | 88 | 77 | 70 | 64 | 86 | 76 | 69 | 63 | 74 | 67 | 63 | 71 | 66 | 62 | 69 | 65 | 61 | 59 | | | | | | | | |
| 5 | 81 | 70 | 62 | 56 | 79 | 69 | 62 | 56 | 67 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 54 | 52 | | | | | | | | |
| 6 | 76 | 64 | 56 | 50 | 74 | 63 | 55 | 50 | 61 | 54 | 49 | 60 | 54 | 49 | 58 | 53 | 49 | 47 | | | | | | | | |
| 7 | 71 | 58 | 51 | 45 | 69 | 58 | 50 | 45 | 56 | 49 | 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 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 36 | 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° | 78956 | 78956 | 78956 |
| 5° | 80440 | 78614 | 76788 |
| 10° | 81696 | 77244 | 73981 |
| 15° | 82517 | 75319 | 70776 |
| 20° | 82202 | 72410 | 67514 |
| 25° | 80035 | 68232 | 63744 |
| 30° | 76223 | 63252 | 60040 |
| 35° | 68829 | 57731 | 55766 |
| 40° | 60474 | 51815 | 51678 |
| 45° | 52200 | 45541 | 47508 |
| 50° | 45435 | 39942 | 42609 |
| 55° | 40294 | 34692 | 37117 |
| 60° | 35949 | 29313 | 30812 |
| 65° | 32404 | 23801 | 24305 |
| 70° | 28779 | 17834 | 14389 |
| 75° | 24794 | 10342 | 6195 |
| 80° | 19108 | 3694 | 1847 |
| 85° | 12277 | 1238 | 1238 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 240.4 | 5.0 |
| 10°-20° | 669.1 | 13.9 |
| 20°-30° | 946.4 | 19.7 |
| 30°-40° | 997.3 | 20.8 |
| 40°-50° | 847.5 | 17.7 |
| 50°-60° | 610.3 | 12.7 |
| 60°-70° | 352.1 | 7.3 |
| 70°-80° | 120.5 | 2.5 |
| 80°-90° | 16.6 | 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° | 1855.9 | 38.7 |
| 0°-40° | 2853.2 | 59.4 |
| 0°-60° | 4311.0 | 89.8 |
| 0°-90° | 4800.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4800.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2560 | 2560 | 2560 | 2560 | 2560 | |
| 5° | 2599 | 2581 | 2540 | 2495 | 2481 | 248 |
| 15° | 2585 | 2505 | 2359 | 2255 | 2217 | 728 |
| 25° | 2352 | 2231 | 2005 | 1901 | 1874 | 1079 |
| 35° | 1828 | 1721 | 1534 | 1478 | 1481 | 1139 |
| 45° | 1197 | 1141 | 1044 | 1051 | 1089 | 930 |
| 55° | 750 | 690 | 645 | 670 | 690 | 674 |
| 65° | 444 | 382 | 326 | 319 | 333 | 442 |
| 75° | 208 | 156 | 87 | 56 | 52 | 220 |
| 85° | 35 | 21 | 4 | 4 | 4 | 47 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P584566

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2560.5 | 2560.5 | 2560.5 | 2560.5 | 2560.5 | 2560.5 | 2560.5 | 2560.5 | 2560.5 | 2560.5 | 2560.5 |
| 2.5° | 2584.8 | 2588.2 | 2584.8 | 2584.8 | 2581.3 | 2577.9 | 2574.3 | 2570.9 | 2564.0 | 2557.1 | 2557.1 |
| 5° | 2598.7 | 2605.6 | 2598.7 | 2598.7 | 2588.2 | 2581.3 | 2574.3 | 2564.0 | 2550.1 | 2539.7 | 2539.7 |
| 7.5° | 2609.1 | 2609.1 | 2609.1 | 2598.7 | 2591.7 | 2581.3 | 2564.0 | 2546.6 | 2529.2 | 2512.0 | 2505.0 |
| 10° | 2609.1 | 2609.1 | 2605.6 | 2591.7 | 2584.8 | 2564.0 | 2546.6 | 2522.3 | 2498.0 | 2473.8 | 2466.9 |
| 12.5° | 2598.7 | 2602.2 | 2595.2 | 2581.3 | 2564.0 | 2539.7 | 2515.4 | 2484.1 | 2456.4 | 2428.7 | 2414.7 |
| 15° | 2584.8 | 2581.3 | 2574.3 | 2557.1 | 2536.2 | 2505.0 | 2480.7 | 2446.0 | 2407.8 | 2373.1 | 2359.3 |
| 17.5° | 2550.1 | 2550.1 | 2539.7 | 2522.3 | 2494.6 | 2459.8 | 2421.8 | 2383.6 | 2341.9 | 2303.7 | 2286.5 |
| 20° | 2505.0 | 2505.0 | 2491.1 | 2470.3 | 2442.6 | 2397.4 | 2355.8 | 2310.7 | 2262.1 | 2224.0 | 2206.6 |
| 22.5° | 2439.0 | 2442.6 | 2425.2 | 2400.9 | 2369.6 | 2317.6 | 2276.0 | 2220.5 | 2171.9 | 2126.8 | 2113.0 |
| 25° | 2352.3 | 2359.3 | 2341.9 | 2317.6 | 2276.0 | 2230.9 | 2178.9 | 2126.8 | 2071.3 | 2026.2 | 2005.4 |
| 27.5° | 2251.7 | 2255.2 | 2237.8 | 2213.5 | 2171.9 | 2123.3 | 2071.3 | 2015.7 | 1963.7 | 1915.2 | 1894.4 |
| 30° | 2140.7 | 2126.8 | 2119.9 | 2088.7 | 2043.6 | 2001.9 | 1942.9 | 1897.8 | 1842.4 | 1800.7 | 1776.4 |
| 32.5° | 1984.6 | 1991.5 | 1970.6 | 1946.4 | 1911.7 | 1863.2 | 1814.5 | 1762.5 | 1710.5 | 1679.2 | 1662.0 |
| 35° | 1828.4 | 1835.3 | 1825.0 | 1800.7 | 1762.5 | 1720.9 | 1672.3 | 1634.1 | 1589.0 | 1550.9 | 1533.6 |
| 37.5° | 1665.4 | 1665.4 | 1658.4 | 1644.6 | 1616.7 | 1578.7 | 1530.1 | 1491.9 | 1453.7 | 1422.5 | 1412.1 |
| 40° | 1502.3 | 1495.4 | 1491.9 | 1481.4 | 1457.2 | 1422.5 | 1391.2 | 1360.1 | 1321.9 | 1301.0 | 1287.2 |
| 42.5° | 1342.7 | 1342.7 | 1335.8 | 1325.3 | 1301.0 | 1283.8 | 1252.5 | 1217.8 | 1190.0 | 1169.2 | 1169.2 |
| 45° | 1197.0 | 1200.5 | 1190.0 | 1183.1 | 1169.2 | 1141.4 | 1113.7 | 1089.4 | 1065.2 | 1051.2 | 1044.3 |
| 47.5° | 1068.6 | 1068.6 | 1058.1 | 1051.2 | 1037.4 | 1013.0 | 988.8 | 967.9 | 950.7 | 940.2 | 936.8 |
| 50° | 947.1 | 947.1 | 947.1 | 929.9 | 912.5 | 895.1 | 877.7 | 853.5 | 843.1 | 836.1 | 832.6 |
| 52.5° | 843.1 | 839.7 | 839.7 | 825.7 | 808.4 | 787.5 | 770.3 | 749.5 | 739.0 | 732.1 | 735.5 |
| 55° | 749.5 | 749.5 | 745.9 | 728.6 | 711.3 | 690.4 | 673.1 | 655.7 | 648.8 | 641.9 | 645.3 |
| 56° | 711.3 | 711.3 | 707.8 | 693.9 | 673.1 | 655.7 | 634.9 | 617.6 | 607.1 | 610.6 | 610.6 |
| 57° | 683.5 | 676.5 | 676.5 | 659.3 | 641.9 | 617.6 | 600.2 | 582.9 | 576.0 | 572.5 | 572.5 |
| 58° | 648.8 | 645.3 | 641.9 | 624.5 | 607.1 | 586.3 | 569.1 | 551.7 | 541.2 | 541.2 | 537.8 |
| 59° | 614.2 | 614.2 | 607.1 | 593.3 | 576.0 | 555.1 | 537.8 | 520.4 | 510.0 | 506.6 | 506.6 |
| 60° | 582.9 | 586.3 | 576.0 | 562.0 | 548.2 | 523.8 | 503.1 | 489.2 | 478.7 | 475.3 | 475.3 |
| 61° | 555.1 | 555.1 | 548.2 | 530.9 | 513.5 | 496.1 | 475.3 | 458.0 | 451.0 | 444.1 | 444.1 |
| 62° | 530.9 | 523.8 | 520.4 | 503.1 | 485.8 | 464.9 | 447.6 | 430.2 | 419.8 | 412.9 | 416.4 |
| 63° | 499.6 | 496.1 | 489.2 | 475.3 | 458.0 | 437.2 | 416.4 | 402.5 | 392.1 | 381.6 | 385.1 |
| 64° | 475.3 | 471.8 | 461.5 | 447.6 | 430.2 | 409.4 | 388.5 | 374.7 | 367.7 | 357.4 | 353.9 |
| 65° | 444.1 | 440.7 | 437.2 | 419.8 | 402.5 | 381.6 | 364.3 | 350.5 | 340.0 | 333.1 | 326.2 |
| 66° | 416.4 | 419.8 | 412.9 | 399.0 | 378.2 | 360.8 | 336.5 | 322.6 | 315.7 | 305.4 | 298.3 |
| 67° | 392.1 | 392.1 | 385.1 | 371.3 | 350.5 | 333.1 | 315.7 | 298.3 | 288.0 | 277.5 | 274.1 |
| 67.5° | 378.2 | 378.2 | 371.3 | 353.9 | 340.0 | 319.2 | 301.9 | 288.0 | 274.1 | 267.2 | 260.3 |
| 68° | 364.3 | 364.3 | 360.8 | 347.0 | 329.6 | 308.8 | 291.4 | 274.1 | 260.3 | 249.8 | 246.3 |
| 69° | 340.0 | 343.4 | 336.5 | 322.6 | 305.4 | 284.5 | 267.2 | 253.2 | 239.4 | 229.0 | 222.1 |
| 70° | 319.2 | 315.7 | 308.8 | 294.9 | 277.5 | 263.7 | 246.3 | 229.0 | 215.2 | 201.2 | 197.8 |
| 71° | 291.4 | 291.4 | 284.5 | 274.1 | 256.8 | 239.4 | 222.1 | 208.1 | 194.3 | 177.0 | 173.5 |
| 72° | 270.6 | 270.6 | 263.7 | 249.8 | 236.0 | 218.6 | 201.2 | 183.9 | 173.5 | 156.1 | 149.2 |
| 72.5° | 256.8 | 260.3 | 253.2 | 239.4 | 225.5 | 204.7 | 190.9 | 177.0 | 159.6 | 145.8 | 138.8 |
| 73° | 249.8 | 246.3 | 242.9 | 229.0 | 211.6 | 197.8 | 180.4 | 166.5 | 149.2 | 135.3 | 128.4 |



TEST NUMBER: P584566
 CATALOG NUMBER: HCC8S40D010BZ-HM82555840-81RWWH

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 77.5° | 156.1 | 156.1 | 152.7 | 138.8 | 125.0 | 111.0 | 97.1 | 83.3 | 69.4 | 55.5 | 48.6 |
| 80° | 107.6 | 111.0 | 104.1 | 97.1 | 86.8 | 72.8 | 59.0 | 48.6 | 34.7 | 27.7 | 20.8 |
| 82.5° | 69.4 | 69.4 | 65.9 | 59.0 | 52.0 | 41.6 | 34.7 | 24.3 | 17.4 | 13.9 | 10.4 |
| 85° | 34.7 | 38.2 | 34.7 | 31.2 | 24.3 | 20.8 | 17.4 | 10.4 | 6.9 | 3.5 | 3.5 |
| 87.5° | 13.9 | 13.9 | 13.9 | 10.4 | 10.4 | 6.9 | 3.5 | 3.5 | 3.5 | 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):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2560.5 | 2560.5 | 2560.5 | 2560.5 | 2560.5 | 2560.5 | 2560.5 | 2560.5 | 2560.5 | 2560.5 |
| 2.5° | 2550.1 | 2550.1 | 2543.1 | 2539.7 | 2536.2 | 2532.8 | 2529.2 | 2525.8 | 2525.8 | 2529.2 |
| 5° | 2529.2 | 2522.3 | 2508.4 | 2505.0 | 2494.6 | 2491.1 | 2484.1 | 2480.7 | 2484.1 | 2480.7 |
| 7.5° | 2498.0 | 2484.1 | 2466.9 | 2459.8 | 2446.0 | 2439.0 | 2428.7 | 2428.7 | 2421.8 | 2425.2 |
| 10° | 2456.4 | 2435.6 | 2414.7 | 2400.9 | 2390.5 | 2380.1 | 2373.1 | 2366.2 | 2362.7 | 2362.7 |
| 12.5° | 2404.4 | 2380.1 | 2359.3 | 2338.5 | 2321.1 | 2314.2 | 2300.3 | 2300.3 | 2293.4 | 2289.9 |
| 15° | 2345.4 | 2314.2 | 2289.9 | 2269.1 | 2255.2 | 2241.2 | 2230.9 | 2224.0 | 2217.0 | 2217.0 |
| 17.5° | 2269.1 | 2241.2 | 2217.0 | 2192.7 | 2171.9 | 2161.5 | 2151.0 | 2140.7 | 2140.7 | 2133.8 |
| 20° | 2185.8 | 2154.6 | 2133.8 | 2109.5 | 2092.1 | 2074.8 | 2060.8 | 2060.8 | 2053.9 | 2057.4 |
| 22.5° | 2092.1 | 2053.9 | 2033.1 | 2015.7 | 1998.5 | 1984.6 | 1970.6 | 1970.6 | 1967.2 | 1963.7 |
| 25° | 1988.0 | 1956.8 | 1932.6 | 1911.7 | 1901.3 | 1887.5 | 1883.9 | 1877.0 | 1873.5 | 1873.5 |
| 27.5° | 1877.0 | 1852.7 | 1821.5 | 1811.1 | 1797.3 | 1790.2 | 1790.2 | 1786.8 | 1779.9 | 1783.3 |
| 30° | 1759.1 | 1731.3 | 1714.0 | 1707.1 | 1693.1 | 1693.1 | 1689.7 | 1682.7 | 1682.7 | 1686.2 |
| 32.5° | 1644.6 | 1616.7 | 1602.9 | 1599.5 | 1585.6 | 1585.6 | 1582.1 | 1585.6 | 1585.6 | 1589.0 |
| 35° | 1519.6 | 1495.4 | 1491.9 | 1481.4 | 1478.0 | 1478.0 | 1478.0 | 1485.0 | 1491.9 | 1481.4 |
| 37.5° | 1401.7 | 1384.3 | 1374.0 | 1370.4 | 1374.0 | 1374.0 | 1377.4 | 1387.8 | 1384.3 | 1380.9 |
| 40° | 1280.2 | 1266.4 | 1259.4 | 1259.4 | 1266.4 | 1273.3 | 1273.3 | 1283.8 | 1287.2 | 1283.8 |
| 42.5° | 1158.8 | 1148.4 | 1148.4 | 1151.9 | 1158.8 | 1162.3 | 1172.7 | 1183.1 | 1186.5 | 1190.0 |
| 45° | 1044.3 | 1044.3 | 1044.3 | 1047.8 | 1051.2 | 1058.1 | 1072.1 | 1082.5 | 1086.0 | 1089.4 |
| 47.5° | 933.3 | 929.9 | 940.2 | 943.7 | 954.1 | 957.6 | 967.9 | 981.9 | 985.3 | 988.8 |
| 50° | 829.2 | 836.1 | 839.7 | 850.0 | 856.9 | 856.9 | 870.8 | 877.7 | 888.2 | 888.2 |
| 52.5° | 732.1 | 742.4 | 745.9 | 756.4 | 759.8 | 763.3 | 770.3 | 780.6 | 787.5 | 787.5 |
| 55° | 645.3 | 648.8 | 655.7 | 659.3 | 669.6 | 673.1 | 680.0 | 683.5 | 693.9 | 690.4 |
| 56° | 607.1 | 614.2 | 617.6 | 624.5 | 631.4 | 634.9 | 641.9 | 645.3 | 652.2 | 655.7 |
| 57° | 572.5 | 576.0 | 586.3 | 589.8 | 596.8 | 596.8 | 600.2 | 610.6 | 610.6 | 614.2 |
| 58° | 537.8 | 544.7 | 548.2 | 551.7 | 558.6 | 562.0 | 569.1 | 572.5 | 576.0 | 572.5 |
| 59° | 506.6 | 510.0 | 513.5 | 513.5 | 520.4 | 520.4 | 530.9 | 537.8 | 541.2 | 541.2 |
| 60° | 475.3 | 475.3 | 478.7 | 482.3 | 489.2 | 492.7 | 492.7 | 499.6 | 499.6 | 499.6 |
| 61° | 444.1 | 444.1 | 447.6 | 451.0 | 454.5 | 454.5 | 461.5 | 461.5 | 464.9 | 468.4 |
| 62° | 416.4 | 412.9 | 412.9 | 416.4 | 416.4 | 423.3 | 426.7 | 430.2 | 433.6 | 430.2 |
| 63° | 385.1 | 381.6 | 381.6 | 381.6 | 381.6 | 388.5 | 388.5 | 392.1 | 399.0 | 395.6 |
| 64° | 350.5 | 350.5 | 350.5 | 350.5 | 353.9 | 353.9 | 360.8 | 364.3 | 367.7 | 371.3 |
| 65° | 326.2 | 319.2 | 315.7 | 315.7 | 319.2 | 322.6 | 326.2 | 329.6 | 333.1 | 333.1 |
| 66° | 298.3 | 291.4 | 288.0 | 288.0 | 288.0 | 288.0 | 294.9 | 294.9 | 301.9 | 301.9 |
| 67° | 267.2 | 260.3 | 256.8 | 253.2 | 253.2 | 253.2 | 263.7 | 260.3 | 260.3 | 260.3 |
| 67.5° | 256.8 | 246.3 | 242.9 | 239.4 | 236.0 | 242.9 | 239.4 | 242.9 | 242.9 | 239.4 |
| 68° | 242.9 | 236.0 | 229.0 | 222.1 | 222.1 | 222.1 | 225.5 | 229.0 | 225.5 | 222.1 |
| 69° | 215.2 | 211.6 | 201.2 | 194.3 | 190.9 | 194.3 | 190.9 | 194.3 | 190.9 | 194.3 |
| 70° | 190.9 | 180.4 | 170.1 | 166.5 | 163.0 | 163.0 | 163.0 | 159.6 | 163.0 | 159.6 |
| 71° | 166.5 | 156.1 | 145.8 | 138.8 | 135.3 | 135.3 | 131.9 | 135.3 | 131.9 | 135.3 |
| 72° | 142.2 | 131.9 | 117.9 | 111.0 | 111.0 | 111.0 | 111.0 | 107.6 | 111.0 | 107.6 |
| 72.5° | 131.9 | 117.9 | 107.6 | 100.7 | 97.1 | 97.1 | 97.1 | 97.1 | 93.7 | 97.1 |
| 73° | 121.4 | 107.6 | 93.7 | 90.2 | 90.2 | 90.2 | 86.8 | 83.3 | 86.8 | 86.8 |



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CATALOG NUMBER: HCC8S40D010BZ-HM82555840-81RWWH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 77.5° | 41.6 | 31.2 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 24.3 | 24.3 |
| 80° | 17.4 | 13.9 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 |
| 82.5° | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 |
| 85° | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 87.5° | 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 |

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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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| | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 74° | 225.5 | 225.5 | 218.6 | 208.1 | 190.9 | 173.5 | 159.6 | 145.8 | 128.4 | 111.0 | 104.1 |
| 75° | 208.1 | 204.7 | 197.8 | 187.3 | 173.5 | 156.1 | 142.2 | 125.0 | 111.0 | 93.7 | 86.8 |

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| | | | | | | | | | | |
|-----|-------|------|------|------|------|------|------|------|------|------|
| 74° | 100.7 | 83.3 | 76.3 | 69.4 | 69.4 | 69.4 | 65.9 | 65.9 | 65.9 | 69.4 |
| 75° | 79.8 | 65.9 | 59.0 | 52.0 | 55.5 | 52.0 | 55.5 | 52.0 | 52.0 | 52.0 |

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(END OF REPORT)