

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: P585229

Luminaire Tested: **HCC8W80D010SL-HM86080835-81RWWH**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585229
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: HCC8W80D010SL-HM86080835-81RWWH
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

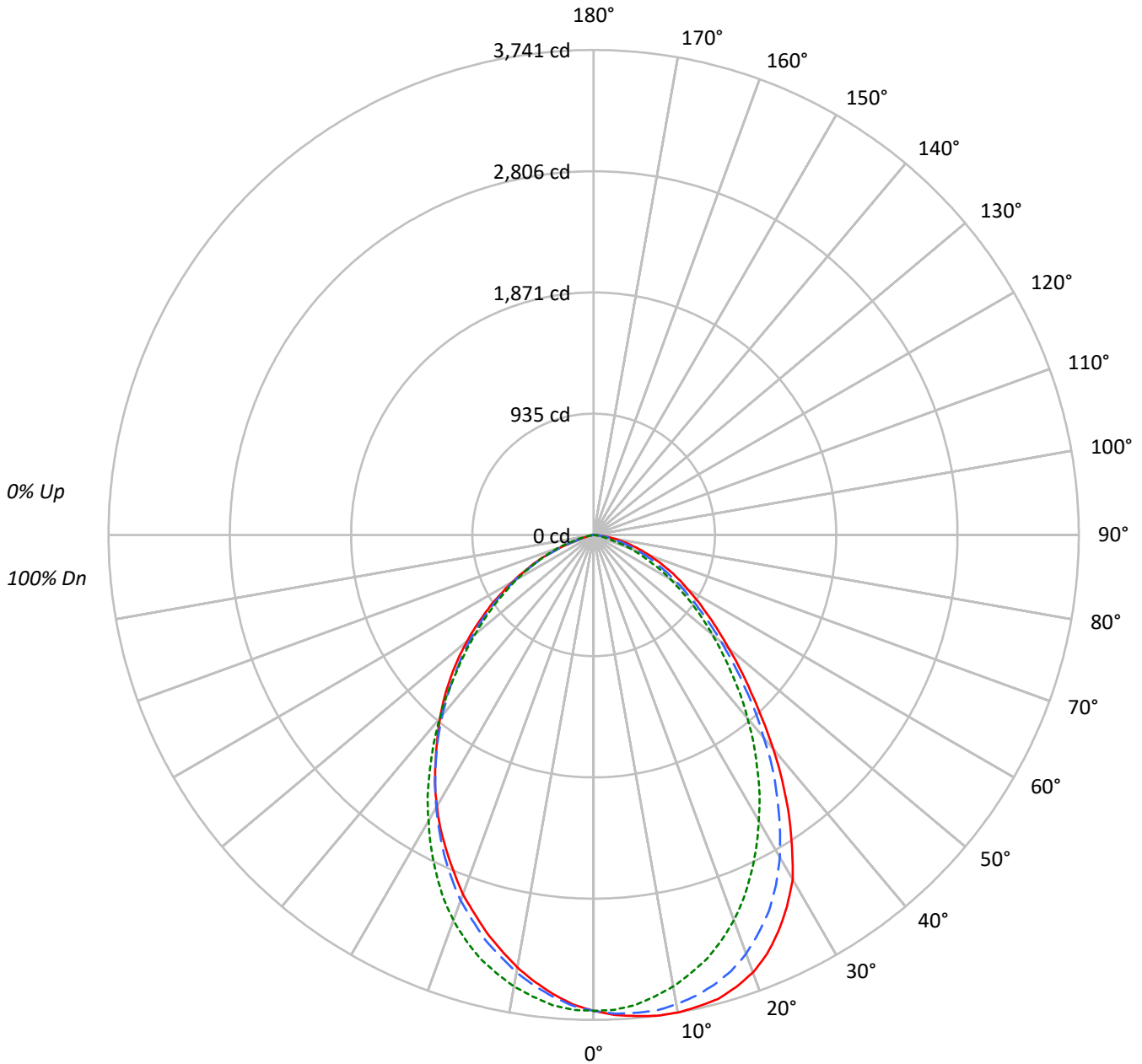
Lumens per Lamp: N/A
Luminaire Lumens: 6882.2 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 70
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: P585229
CATALOG NUMBER: HCC8W80D010SL-HM86080835-81RWWH

Luminous Intensity Polar Plot



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



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CATALOG NUMBER: HCC8W80D010SL-HM86080835-81RWWH

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° | 113206 | 113206 | 113206 |
| 5° | 115332 | 112713 | 110098 |
| 10° | 117132 | 110744 | 106073 |
| 15° | 118311 | 107986 | 101477 |
| 20° | 117856 | 103818 | 96799 |
| 25° | 114753 | 97826 | 91396 |
| 30° | 109288 | 90690 | 86083 |
| 35° | 98684 | 82768 | 79956 |
| 40° | 86707 | 74293 | 74091 |
| 45° | 74842 | 65296 | 68117 |
| 50° | 65152 | 57275 | 61089 |
| 55° | 57767 | 49745 | 53224 |
| 60° | 51540 | 42030 | 44182 |
| 65° | 46457 | 34118 | 34841 |
| 70° | 41257 | 25569 | 20637 |
| 75° | 35552 | 14821 | 8900 |
| 80° | 27383 | 5292 | 2664 |
| 85° | 17584 | 1769 | 1769 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 344.6 | 5.0 |
| 10°-20° | 959.4 | 13.9 |
| 20°-30° | 1356.9 | 19.7 |
| 30°-40° | 1429.8 | 20.8 |
| 40°-50° | 1215.2 | 17.7 |
| 50°-60° | 875.0 | 12.7 |
| 60°-70° | 504.8 | 7.3 |
| 70°-80° | 172.7 | 2.5 |
| 80°-90° | 23.8 | 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° | 2660.9 | 38.7 |
| 0°-40° | 4090.8 | 59.4 |
| 0°-60° | 6181.0 | 89.8 |
| 0°-90° | 6882.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6882.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3671 | 3671 | 3671 | 3671 | 3671 | |
| 5° | 3726 | 3701 | 3641 | 3577 | 3557 | 356 |
| 15° | 3706 | 3592 | 3383 | 3233 | 3179 | 1043 |
| 25° | 3373 | 3198 | 2875 | 2726 | 2686 | 1547 |
| 35° | 2622 | 2467 | 2199 | 2119 | 2124 | 1633 |
| 45° | 1716 | 1636 | 1497 | 1507 | 1562 | 1333 |
| 55° | 1074 | 990 | 925 | 960 | 990 | 967 |
| 65° | 637 | 547 | 468 | 458 | 478 | 633 |
| 75° | 298 | 224 | 124 | 80 | 75 | 315 |
| 85° | 50 | 30 | 5 | 5 | 5 | 67 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P585229

CATALOG NUMBER: HCC8W80D010SL-HM86080835-81RWWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3671.2 | 3671.2 | 3671.2 | 3671.2 | 3671.2 | 3671.2 | 3671.2 | 3671.2 | 3671.2 | 3671.2 | 3671.2 |
| 2.5° | 3706.0 | 3711.0 | 3706.0 | 3706.0 | 3701.0 | 3696.0 | 3691.0 | 3686.0 | 3676.2 | 3666.2 | 3666.2 |
| 5° | 3725.9 | 3735.8 | 3725.9 | 3725.9 | 3711.0 | 3701.0 | 3691.0 | 3676.2 | 3656.2 | 3641.3 | 3641.3 |
| 7.5° | 3740.8 | 3740.8 | 3740.8 | 3725.9 | 3715.9 | 3701.0 | 3676.2 | 3651.3 | 3626.3 | 3601.5 | 3591.5 |
| 10° | 3740.8 | 3740.8 | 3735.8 | 3715.9 | 3706.0 | 3676.2 | 3651.3 | 3616.5 | 3581.6 | 3546.8 | 3536.8 |
| 12.5° | 3725.9 | 3730.8 | 3720.9 | 3701.0 | 3676.2 | 3641.3 | 3606.5 | 3561.6 | 3521.9 | 3482.1 | 3462.2 |
| 15° | 3706.0 | 3701.0 | 3691.0 | 3666.2 | 3636.3 | 3591.5 | 3556.8 | 3507.0 | 3452.3 | 3402.6 | 3382.6 |
| 17.5° | 3656.2 | 3656.2 | 3641.3 | 3616.5 | 3576.6 | 3526.9 | 3472.1 | 3417.4 | 3357.7 | 3303.0 | 3278.2 |
| 20° | 3591.5 | 3591.5 | 3571.6 | 3541.8 | 3502.0 | 3437.4 | 3377.6 | 3313.0 | 3243.4 | 3188.7 | 3163.7 |
| 22.5° | 3497.1 | 3502.0 | 3477.1 | 3442.3 | 3397.6 | 3322.9 | 3263.2 | 3183.7 | 3114.0 | 3049.3 | 3029.5 |
| 25° | 3372.7 | 3382.6 | 3357.7 | 3322.9 | 3263.2 | 3198.5 | 3124.0 | 3049.3 | 2969.8 | 2905.1 | 2875.2 |
| 27.5° | 3228.4 | 3233.4 | 3208.5 | 3173.7 | 3114.0 | 3044.3 | 2969.8 | 2890.1 | 2815.6 | 2745.9 | 2716.0 |
| 30° | 3069.3 | 3049.3 | 3039.4 | 2994.6 | 2929.9 | 2870.2 | 2785.7 | 2721.0 | 2641.5 | 2581.8 | 2547.0 |
| 32.5° | 2845.4 | 2855.4 | 2825.5 | 2790.7 | 2740.9 | 2671.3 | 2601.7 | 2527.0 | 2452.4 | 2407.6 | 2382.8 |
| 35° | 2621.5 | 2631.5 | 2616.5 | 2581.8 | 2527.0 | 2467.3 | 2397.7 | 2342.9 | 2278.2 | 2223.5 | 2198.7 |
| 37.5° | 2387.7 | 2387.7 | 2377.8 | 2357.9 | 2318.1 | 2263.4 | 2193.7 | 2139.0 | 2084.3 | 2039.5 | 2024.6 |
| 40° | 2154.0 | 2144.0 | 2139.0 | 2124.0 | 2089.3 | 2039.5 | 1994.8 | 1950.0 | 1895.3 | 1865.4 | 1845.6 |
| 42.5° | 1925.1 | 1925.1 | 1915.1 | 1900.3 | 1865.4 | 1840.6 | 1795.7 | 1746.0 | 1706.2 | 1676.4 | 1676.4 |
| 45° | 1716.2 | 1721.2 | 1706.2 | 1696.2 | 1676.4 | 1636.5 | 1596.8 | 1562.0 | 1527.2 | 1507.3 | 1497.3 |
| 47.5° | 1532.1 | 1532.1 | 1517.2 | 1507.3 | 1487.3 | 1452.5 | 1417.8 | 1387.9 | 1363.0 | 1348.1 | 1343.1 |
| 50° | 1358.1 | 1358.1 | 1358.1 | 1333.1 | 1308.3 | 1283.4 | 1258.6 | 1223.7 | 1208.7 | 1198.9 | 1193.9 |
| 52.5° | 1208.7 | 1203.9 | 1203.9 | 1183.9 | 1159.0 | 1129.2 | 1104.3 | 1074.5 | 1059.5 | 1049.6 | 1054.5 |
| 55° | 1074.5 | 1074.5 | 1069.5 | 1044.7 | 1019.8 | 990.0 | 965.0 | 940.1 | 930.3 | 920.3 | 925.3 |
| 56° | 1019.8 | 1019.8 | 1014.8 | 994.8 | 965.0 | 940.1 | 910.3 | 885.4 | 870.6 | 875.5 | 875.5 |
| 57° | 980.0 | 970.0 | 970.0 | 945.1 | 920.3 | 885.4 | 860.6 | 835.7 | 825.8 | 820.8 | 820.8 |
| 58° | 930.3 | 925.3 | 920.3 | 895.4 | 870.6 | 840.6 | 815.8 | 790.9 | 776.1 | 776.1 | 771.1 |
| 59° | 880.5 | 880.5 | 870.6 | 850.6 | 825.8 | 795.9 | 771.1 | 746.2 | 731.2 | 726.2 | 726.2 |
| 60° | 835.7 | 840.6 | 825.8 | 805.9 | 785.9 | 751.1 | 721.2 | 701.4 | 686.5 | 681.5 | 681.5 |
| 61° | 795.9 | 795.9 | 785.9 | 761.1 | 736.2 | 711.4 | 681.5 | 656.7 | 646.7 | 636.7 | 636.7 |
| 62° | 761.1 | 751.1 | 746.2 | 721.2 | 696.4 | 666.6 | 641.7 | 616.9 | 601.9 | 592.0 | 596.9 |
| 63° | 716.4 | 711.4 | 701.4 | 681.5 | 656.7 | 626.7 | 596.9 | 577.0 | 562.2 | 547.2 | 552.2 |
| 64° | 681.5 | 676.5 | 661.6 | 641.7 | 616.9 | 587.0 | 557.2 | 537.2 | 527.3 | 512.3 | 507.3 |
| 65° | 636.7 | 631.7 | 626.7 | 601.9 | 577.0 | 547.2 | 522.3 | 502.5 | 487.5 | 477.5 | 467.6 |
| 66° | 596.9 | 601.9 | 592.0 | 572.0 | 542.2 | 517.3 | 482.5 | 462.6 | 452.7 | 437.8 | 427.8 |
| 67° | 562.2 | 562.2 | 552.2 | 532.3 | 502.5 | 477.5 | 452.7 | 427.8 | 412.8 | 398.0 | 393.0 |
| 67.5° | 542.2 | 542.2 | 532.3 | 507.3 | 487.5 | 457.6 | 432.8 | 412.8 | 393.0 | 383.0 | 373.1 |
| 68° | 522.3 | 522.3 | 517.3 | 497.5 | 472.6 | 442.8 | 417.8 | 393.0 | 373.1 | 358.1 | 353.1 |
| 69° | 487.5 | 492.5 | 482.5 | 462.6 | 437.8 | 407.9 | 383.0 | 363.1 | 343.3 | 328.3 | 318.4 |
| 70° | 457.6 | 452.7 | 442.8 | 422.8 | 398.0 | 378.1 | 353.1 | 328.3 | 308.4 | 288.6 | 283.6 |
| 71° | 417.8 | 417.8 | 407.9 | 393.0 | 368.1 | 343.3 | 318.4 | 298.4 | 278.6 | 253.7 | 248.7 |
| 72° | 388.0 | 388.0 | 378.1 | 358.1 | 338.3 | 313.4 | 288.6 | 263.6 | 248.7 | 223.9 | 213.9 |
| 72.5° | 368.1 | 373.1 | 363.1 | 343.3 | 323.3 | 293.4 | 273.6 | 253.7 | 228.9 | 208.9 | 198.9 |
| 73° | 358.1 | 353.1 | 348.3 | 328.3 | 303.4 | 283.6 | 258.7 | 238.8 | 213.9 | 194.0 | 184.1 |



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 CATALOG NUMBER: HCC8W80D010SL-HM86080835-81RWWH

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 77.5° | 223.9 | 223.9 | 218.9 | 198.9 | 179.1 | 159.2 | 139.2 | 119.4 | 99.5 | 79.5 | 69.7 |
| 80° | 154.2 | 159.2 | 149.2 | 139.2 | 124.4 | 104.5 | 84.5 | 69.7 | 49.7 | 39.8 | 29.8 |
| 82.5° | 99.5 | 99.5 | 94.5 | 84.5 | 74.7 | 59.7 | 49.7 | 34.8 | 24.9 | 19.9 | 15.0 |
| 85° | 49.7 | 54.7 | 49.7 | 44.8 | 34.8 | 29.8 | 24.9 | 15.0 | 10.0 | 5.0 | 5.0 |
| 87.5° | 19.9 | 19.9 | 19.9 | 15.0 | 15.0 | 10.0 | 5.0 | 5.0 | 5.0 | 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 |



TEST NUMBER: P585229

CATALOG NUMBER: HCC8W80D010SL-HM86080835-81RWWH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3671.2 | 3671.2 | 3671.2 | 3671.2 | 3671.2 | 3671.2 | 3671.2 | 3671.2 | 3671.2 | 3671.2 |
| 2.5° | 3656.2 | 3656.2 | 3646.3 | 3641.3 | 3636.3 | 3631.3 | 3626.3 | 3621.3 | 3621.3 | 3626.3 |
| 5° | 3626.3 | 3616.5 | 3596.5 | 3591.5 | 3576.6 | 3571.6 | 3561.6 | 3556.8 | 3561.6 | 3556.8 |
| 7.5° | 3581.6 | 3561.6 | 3536.8 | 3526.9 | 3507.0 | 3497.1 | 3482.1 | 3482.1 | 3472.1 | 3477.1 |
| 10° | 3521.9 | 3492.1 | 3462.2 | 3442.3 | 3427.4 | 3412.4 | 3402.6 | 3392.6 | 3387.6 | 3387.6 |
| 12.5° | 3447.3 | 3412.4 | 3382.6 | 3352.7 | 3327.9 | 3317.9 | 3298.0 | 3298.0 | 3288.1 | 3283.2 |
| 15° | 3362.7 | 3317.9 | 3283.2 | 3253.3 | 3233.4 | 3213.5 | 3198.5 | 3188.7 | 3178.7 | 3178.7 |
| 17.5° | 3253.3 | 3213.5 | 3178.7 | 3143.8 | 3114.0 | 3099.1 | 3084.1 | 3069.3 | 3069.3 | 3059.3 |
| 20° | 3133.8 | 3089.1 | 3059.3 | 3024.5 | 2999.6 | 2974.8 | 2954.8 | 2954.8 | 2944.9 | 2949.8 |
| 22.5° | 2999.6 | 2944.9 | 2915.1 | 2890.1 | 2865.3 | 2845.4 | 2825.5 | 2825.5 | 2820.5 | 2815.6 |
| 25° | 2850.4 | 2805.6 | 2770.7 | 2740.9 | 2726.0 | 2706.0 | 2701.2 | 2691.2 | 2686.2 | 2686.2 |
| 27.5° | 2691.2 | 2656.3 | 2611.6 | 2596.7 | 2576.8 | 2566.8 | 2566.8 | 2561.8 | 2551.8 | 2556.8 |
| 30° | 2522.0 | 2482.3 | 2457.4 | 2447.4 | 2427.6 | 2427.6 | 2422.6 | 2412.6 | 2412.6 | 2417.6 |
| 32.5° | 2357.9 | 2318.1 | 2298.2 | 2293.2 | 2273.4 | 2273.4 | 2268.4 | 2273.4 | 2273.4 | 2278.2 |
| 35° | 2178.8 | 2144.0 | 2139.0 | 2124.0 | 2119.2 | 2119.2 | 2119.2 | 2129.0 | 2139.0 | 2124.0 |
| 37.5° | 2009.6 | 1984.8 | 1969.9 | 1964.9 | 1969.9 | 1969.9 | 1974.8 | 1989.8 | 1984.8 | 1979.8 |
| 40° | 1835.6 | 1815.7 | 1805.7 | 1805.7 | 1815.7 | 1825.6 | 1825.6 | 1840.6 | 1845.6 | 1840.6 |
| 42.5° | 1661.5 | 1646.5 | 1646.5 | 1651.5 | 1661.5 | 1666.4 | 1681.4 | 1696.2 | 1701.2 | 1706.2 |
| 45° | 1497.3 | 1497.3 | 1497.3 | 1502.3 | 1507.3 | 1517.2 | 1537.1 | 1552.0 | 1557.0 | 1562.0 |
| 47.5° | 1338.1 | 1333.1 | 1348.1 | 1353.1 | 1367.9 | 1372.9 | 1387.9 | 1407.8 | 1412.8 | 1417.8 |
| 50° | 1188.9 | 1198.9 | 1203.9 | 1218.7 | 1228.7 | 1228.7 | 1248.6 | 1258.6 | 1273.4 | 1273.4 |
| 52.5° | 1049.6 | 1064.5 | 1069.5 | 1084.5 | 1089.4 | 1094.4 | 1104.3 | 1119.2 | 1129.2 | 1129.2 |
| 55° | 925.3 | 930.3 | 940.1 | 945.1 | 960.1 | 965.0 | 975.0 | 980.0 | 994.8 | 990.0 |
| 56° | 870.6 | 880.5 | 885.4 | 895.4 | 905.3 | 910.3 | 920.3 | 925.3 | 935.1 | 940.1 |
| 57° | 820.8 | 825.8 | 840.6 | 845.6 | 855.6 | 855.6 | 860.6 | 875.5 | 875.5 | 880.5 |
| 58° | 771.1 | 780.9 | 785.9 | 790.9 | 800.9 | 805.9 | 815.8 | 820.8 | 825.8 | 820.8 |
| 59° | 726.2 | 731.2 | 736.2 | 736.2 | 746.2 | 746.2 | 761.1 | 771.1 | 776.1 | 776.1 |
| 60° | 681.5 | 681.5 | 686.5 | 691.4 | 701.4 | 706.4 | 706.4 | 716.4 | 716.4 | 716.4 |
| 61° | 636.7 | 636.7 | 641.7 | 646.7 | 651.7 | 651.7 | 661.6 | 661.6 | 666.6 | 671.5 |
| 62° | 596.9 | 592.0 | 592.0 | 596.9 | 596.9 | 606.9 | 611.9 | 616.9 | 621.8 | 616.9 |
| 63° | 552.2 | 547.2 | 547.2 | 547.2 | 547.2 | 557.2 | 557.2 | 562.2 | 572.0 | 567.0 |
| 64° | 502.5 | 502.5 | 502.5 | 502.5 | 507.3 | 507.3 | 517.3 | 522.3 | 527.3 | 532.3 |
| 65° | 467.6 | 457.6 | 452.7 | 452.7 | 457.6 | 462.6 | 467.6 | 472.6 | 477.5 | 477.5 |
| 66° | 427.8 | 417.8 | 412.8 | 412.8 | 412.8 | 412.8 | 422.8 | 422.8 | 432.8 | 432.8 |
| 67° | 383.0 | 373.1 | 368.1 | 363.1 | 363.1 | 363.1 | 378.1 | 373.1 | 373.1 | 373.1 |
| 67.5° | 368.1 | 353.1 | 348.3 | 343.3 | 338.3 | 348.3 | 343.3 | 348.3 | 348.3 | 343.3 |
| 68° | 348.3 | 338.3 | 328.3 | 318.4 | 318.4 | 318.4 | 323.3 | 328.3 | 323.3 | 318.4 |
| 69° | 308.4 | 303.4 | 288.6 | 278.6 | 273.6 | 278.6 | 273.6 | 278.6 | 273.6 | 278.6 |
| 70° | 273.6 | 258.7 | 243.7 | 238.8 | 233.8 | 233.8 | 233.8 | 228.9 | 233.8 | 228.9 |
| 71° | 238.8 | 223.9 | 208.9 | 198.9 | 194.0 | 194.0 | 189.1 | 194.0 | 189.1 | 194.0 |
| 72° | 203.9 | 189.1 | 169.1 | 159.2 | 159.2 | 159.2 | 159.2 | 154.2 | 159.2 | 154.2 |
| 72.5° | 189.1 | 169.1 | 154.2 | 144.2 | 139.2 | 139.2 | 139.2 | 139.2 | 134.4 | 139.2 |
| 73° | 174.1 | 154.2 | 134.4 | 129.4 | 129.4 | 129.4 | 124.4 | 119.4 | 124.4 | 124.4 |



TEST NUMBER: P585229
 CATALOG NUMBER: HCC8W80D010SL-HM86080835-81RWWH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 77.5° | 59.7 | 44.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 34.8 | 34.8 |
| 80° | 24.9 | 19.9 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 |
| 82.5° | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| 85° | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 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° | 323.3 | 323.3 | 313.4 | 298.4 | 273.6 | 248.7 | 228.9 | 208.9 | 184.1 | 159.2 | 149.2 |
| 75° | 298.4 | 293.4 | 283.6 | 268.6 | 248.7 | 223.9 | 203.9 | 179.1 | 159.2 | 134.4 | 124.4 |

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| | | | | | | | | | | |
|-----|-------|-------|-------|------|------|------|------|------|------|------|
| 74° | 144.2 | 119.4 | 109.4 | 99.5 | 99.5 | 99.5 | 94.5 | 94.5 | 94.5 | 99.5 |
| 75° | 114.4 | 94.5 | 84.5 | 74.7 | 79.5 | 74.7 | 79.5 | 74.7 | 74.7 | 74.7 |

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(END OF REPORT)