

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: P583709

Luminaire Tested: **HCC8W10D010SL-HM80520827-81WWBB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P583709
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W10D010SL-HM80520827-81WWBB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

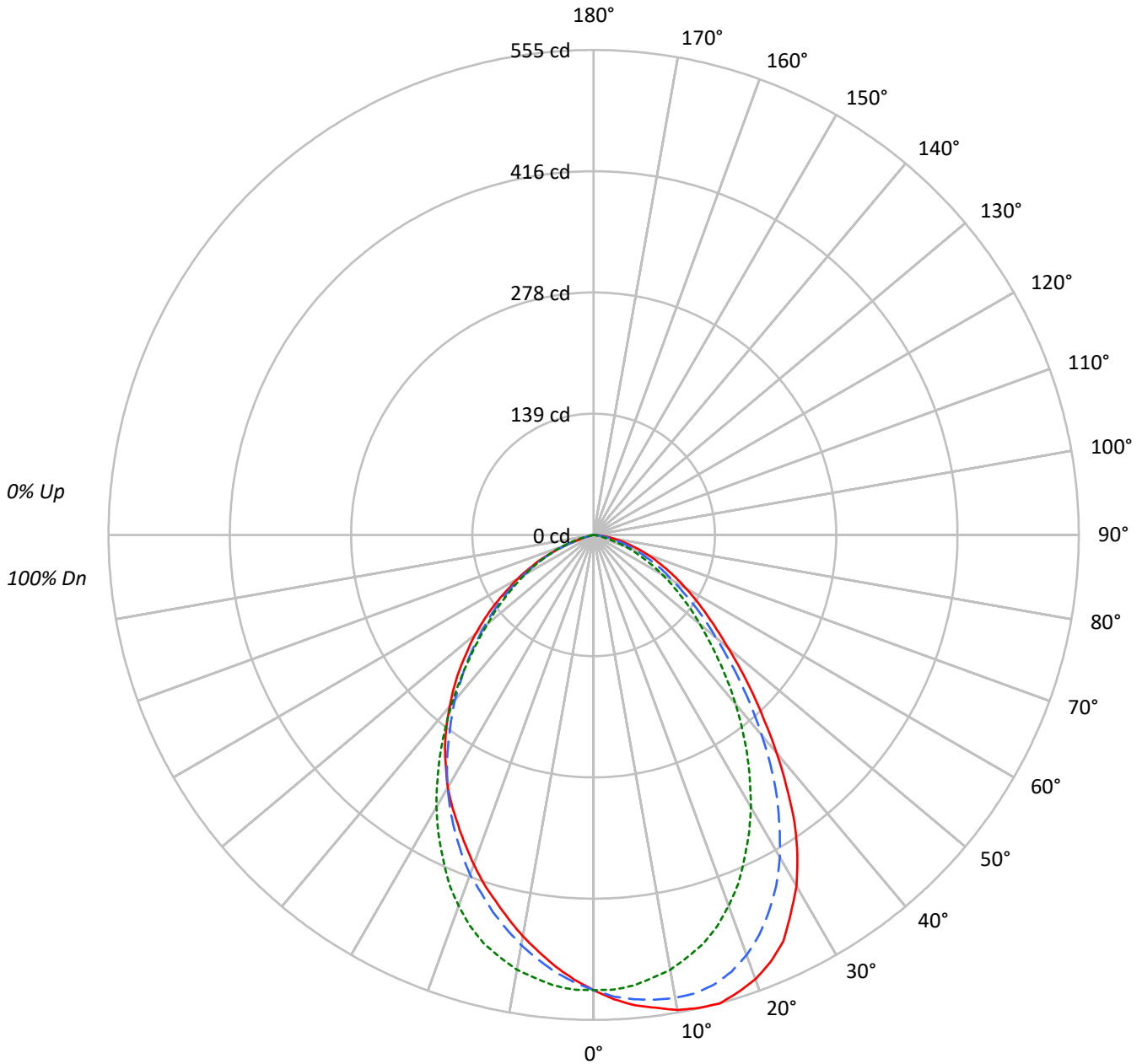
Lumens per Lamp: N/A
Luminaire Lumens: 970.3 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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: P583709
CATALOG NUMBER: HCC8W10D010SL-HM80520827-81WWBB

Luminous Intensity Polar Plot





TEST NUMBER: P583709

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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 | 86 | 100 | 94 | 89 | 85 | 91 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 77 | | | |
| 3 | 95 | 86 | 79 | 74 | 93 | 85 | 78 | 73 | 82 | 76 | 72 | 79 | 74 | 71 | 77 | 73 | 69 | 67 | | | |
| 4 | 88 | 78 | 70 | 64 | 86 | 76 | 69 | 64 | 74 | 68 | 63 | 72 | 66 | 62 | 70 | 65 | 61 | 59 | | | |
| 5 | 82 | 70 | 63 | 57 | 80 | 69 | 62 | 56 | 67 | 61 | 56 | 65 | 60 | 55 | 64 | 59 | 55 | 53 | | | |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 50 | 62 | 55 | 50 | 60 | 54 | 50 | 58 | 53 | 49 | 47 | | | |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 | | | |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 39 | | | |
| 9 | 62 | 50 | 43 | 38 | 61 | 50 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | | |
| 10 | 59 | 47 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 39 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 16063 | 16063 | 16063 |
| 5° | 16728 | 16028 | 15356 |
| 10° | 17287 | 15822 | 14604 |
| 15° | 17724 | 15461 | 13845 |
| 20° | 17756 | 14819 | 13159 |
| 25° | 17458 | 13885 | 12477 |
| 30° | 16525 | 12811 | 11893 |
| 35° | 15069 | 11519 | 11169 |
| 40° | 13103 | 10156 | 10309 |
| 45° | 11238 | 8796 | 9441 |
| 50° | 9599 | 7584 | 8482 |
| 55° | 8414 | 6532 | 7365 |
| 60° | 7493 | 5569 | 6198 |
| 65° | 6647 | 4546 | 4947 |
| 70° | 5896 | 3372 | 2804 |
| 75° | 4909 | 1763 | 834 |
| 80° | 3871 | 550 | 124 |
| 85° | 2760 | 248 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 49.1 | 5.1 |
| 10°-20° | 137.6 | 14.2 |
| 20°-30° | 194.7 | 20.1 |
| 30°-40° | 203.7 | 21.0 |
| 40°-50° | 169.9 | 17.5 |
| 50°-60° | 120.5 | 12.4 |
| 60°-70° | 69.4 | 7.2 |
| 70°-80° | 22.3 | 2.3 |
| 80°-90° | 3.0 | 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° | 381.4 | 39.3 |
| 0°-40° | 585.1 | 60.3 |
| 0°-60° | 875.5 | 90.2 |
| 0°-90° | 970.3 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 970.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 521 | 521 | 521 | 521 | 521 | |
| 5° | 540 | 533 | 518 | 502 | 496 | 52 |
| 15° | 555 | 533 | 484 | 446 | 434 | 156 |
| 25° | 513 | 475 | 408 | 375 | 367 | 234 |
| 35° | 400 | 365 | 306 | 290 | 297 | 248 |
| 45° | 258 | 237 | 202 | 204 | 216 | 200 |
| 55° | 156 | 140 | 122 | 128 | 137 | 141 |
| 65° | 91 | 76 | 62 | 62 | 68 | 91 |
| 75° | 41 | 30 | 15 | 7 | 7 | 45 |
| 85° | 8 | 4 | 1 | 0 | 0 | 10 |
| 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° | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 |
| 2.5° | 531.9 | 531.0 | 530.3 | 531.0 | 530.3 | 531.0 | 530.3 | 530.3 | 529.5 | 528.8 | 528.8 |
| 5° | 540.4 | 539.6 | 539.6 | 539.6 | 538.9 | 538.0 | 538.0 | 537.3 | 535.7 | 534.9 | 533.4 |
| 7.5° | 545.8 | 546.7 | 546.7 | 546.7 | 545.1 | 545.1 | 543.5 | 542.0 | 540.4 | 538.9 | 536.5 |
| 10° | 552.1 | 552.1 | 551.4 | 550.5 | 549.0 | 548.2 | 547.4 | 545.8 | 543.5 | 540.4 | 538.0 |
| 12.5° | 554.4 | 554.4 | 553.6 | 552.1 | 551.4 | 550.5 | 549.8 | 547.4 | 544.3 | 540.4 | 537.3 |
| 15° | 555.2 | 553.6 | 552.8 | 552.1 | 550.5 | 548.2 | 548.2 | 545.1 | 541.1 | 536.5 | 532.6 |
| 17.5° | 549.0 | 549.8 | 548.2 | 546.7 | 544.3 | 542.7 | 540.4 | 538.0 | 533.4 | 527.9 | 524.1 |
| 20° | 541.1 | 540.4 | 539.6 | 537.3 | 534.2 | 533.4 | 531.0 | 527.2 | 523.2 | 517.0 | 511.6 |
| 22.5° | 528.8 | 527.9 | 526.4 | 524.8 | 521.7 | 520.1 | 517.8 | 513.1 | 507.7 | 501.5 | 495.2 |
| 25° | 513.1 | 511.6 | 509.3 | 506.2 | 503.8 | 502.2 | 499.1 | 494.5 | 488.3 | 481.2 | 475.0 |
| 27.5° | 488.3 | 490.5 | 489.0 | 484.3 | 482.0 | 478.9 | 478.2 | 471.9 | 466.4 | 459.4 | 452.4 |
| 30° | 464.1 | 464.1 | 461.8 | 459.4 | 455.6 | 453.2 | 450.0 | 445.3 | 439.9 | 431.4 | 426.0 |
| 32.5° | 433.7 | 433.0 | 429.8 | 429.0 | 426.0 | 421.3 | 420.5 | 414.2 | 408.8 | 402.5 | 395.6 |
| 35° | 400.3 | 398.7 | 395.6 | 393.2 | 391.7 | 389.3 | 387.0 | 381.5 | 376.1 | 369.9 | 365.2 |
| 37.5° | 362.0 | 362.0 | 361.3 | 357.4 | 355.9 | 354.3 | 351.9 | 346.5 | 343.4 | 337.2 | 332.5 |
| 40° | 325.5 | 324.7 | 322.4 | 321.5 | 320.1 | 317.7 | 316.1 | 313.0 | 308.3 | 303.6 | 299.1 |
| 42.5° | 289.7 | 290.4 | 287.3 | 288.1 | 285.0 | 283.4 | 282.7 | 278.0 | 275.6 | 270.9 | 267.1 |
| 45° | 257.7 | 257.0 | 255.4 | 254.6 | 253.0 | 251.5 | 249.9 | 247.6 | 243.8 | 239.1 | 236.7 |
| 47.5° | 228.1 | 225.9 | 225.9 | 225.0 | 224.3 | 221.2 | 220.3 | 218.0 | 215.6 | 211.1 | 207.9 |
| 50° | 200.1 | 200.1 | 200.1 | 199.3 | 197.0 | 196.2 | 194.7 | 192.3 | 190.0 | 186.9 | 182.2 |
| 52.5° | 177.5 | 177.5 | 177.5 | 176.8 | 173.7 | 172.8 | 172.1 | 169.0 | 165.9 | 163.5 | 160.3 |
| 55° | 156.5 | 157.3 | 156.5 | 154.9 | 152.7 | 152.7 | 150.2 | 148.7 | 145.6 | 143.3 | 140.2 |
| 57.5° | 138.6 | 138.6 | 137.0 | 136.3 | 134.7 | 133.9 | 132.3 | 130.8 | 126.9 | 124.6 | 120.7 |
| 60° | 121.5 | 120.7 | 120.7 | 119.1 | 117.6 | 116.0 | 115.3 | 112.9 | 111.3 | 107.5 | 104.3 |
| 62.5° | 105.9 | 105.9 | 104.3 | 104.3 | 101.2 | 101.2 | 100.5 | 98.1 | 95.8 | 91.8 | 90.3 |
| 65° | 91.1 | 91.1 | 90.3 | 89.5 | 87.3 | 86.4 | 85.7 | 83.3 | 81.0 | 78.6 | 76.3 |
| 67.5° | 77.9 | 77.9 | 76.3 | 75.5 | 73.9 | 73.2 | 71.6 | 70.1 | 67.8 | 65.4 | 63.1 |
| 70° | 65.4 | 64.7 | 63.8 | 63.1 | 61.5 | 60.7 | 59.1 | 57.6 | 55.3 | 53.7 | 51.4 |
| 72.5° | 53.0 | 53.0 | 52.2 | 50.6 | 49.9 | 49.0 | 48.3 | 46.8 | 44.4 | 42.1 | 40.5 |
| 75° | 41.2 | 41.2 | 41.2 | 39.7 | 38.1 | 37.4 | 37.4 | 35.8 | 34.3 | 32.0 | 30.4 |
| 77.5° | 32.0 | 31.1 | 30.4 | 30.4 | 28.8 | 28.0 | 27.3 | 26.4 | 24.2 | 23.3 | 21.8 |
| 80° | 21.8 | 22.6 | 21.8 | 21.0 | 20.2 | 19.5 | 19.5 | 17.9 | 17.2 | 15.6 | 14.1 |
| 82.5° | 14.8 | 14.1 | 14.1 | 13.2 | 13.2 | 12.5 | 12.5 | 10.9 | 10.1 | 9.4 | 8.5 |
| 85° | 7.8 | 7.8 | 7.0 | 7.0 | 7.0 | 6.3 | 6.3 | 5.4 | 5.4 | 4.7 | 3.8 |
| 87.5° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 1.6 | 1.6 | 1.6 |
| 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):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 |
| 2.5° | 527.9 | 526.4 | 525.6 | 525.6 | 524.8 | 524.1 | 523.2 | 522.5 | 520.9 | 520.9 | 519.4 |
| 5° | 531.9 | 530.3 | 529.5 | 527.2 | 525.6 | 525.6 | 522.5 | 521.7 | 519.4 | 517.8 | 516.3 |
| 7.5° | 534.9 | 531.9 | 529.5 | 527.2 | 525.6 | 524.1 | 520.9 | 517.8 | 514.7 | 511.6 | 510.0 |
| 10° | 534.9 | 531.9 | 527.9 | 524.1 | 522.5 | 520.9 | 517.0 | 512.4 | 508.4 | 505.3 | 501.5 |
| 12.5° | 533.4 | 528.8 | 524.1 | 520.9 | 517.8 | 515.5 | 510.8 | 506.2 | 501.5 | 495.2 | 492.1 |
| 15° | 528.8 | 522.5 | 517.8 | 512.4 | 510.0 | 506.2 | 502.2 | 495.2 | 489.8 | 484.3 | 480.4 |
| 17.5° | 519.4 | 511.6 | 506.2 | 500.6 | 496.8 | 494.5 | 488.3 | 482.0 | 475.8 | 469.5 | 464.8 |
| 20° | 505.3 | 498.3 | 492.1 | 485.1 | 482.0 | 478.9 | 471.1 | 464.8 | 458.7 | 451.6 | 446.9 |
| 22.5° | 488.3 | 481.2 | 472.6 | 467.2 | 462.5 | 458.7 | 451.6 | 444.6 | 438.4 | 432.1 | 426.0 |
| 25° | 467.2 | 460.2 | 452.4 | 443.9 | 440.8 | 436.8 | 429.0 | 422.0 | 415.1 | 408.1 | 402.5 |
| 27.5° | 444.6 | 435.2 | 429.0 | 419.7 | 416.6 | 412.6 | 404.1 | 396.3 | 390.2 | 384.6 | 378.4 |
| 30° | 417.3 | 410.4 | 401.8 | 393.2 | 390.2 | 386.2 | 379.2 | 372.3 | 366.0 | 359.8 | 353.5 |
| 32.5° | 387.8 | 380.8 | 372.3 | 366.0 | 361.3 | 358.2 | 351.2 | 345.0 | 338.7 | 332.5 | 327.1 |
| 35° | 356.6 | 348.8 | 342.6 | 336.4 | 332.5 | 328.6 | 321.5 | 316.1 | 311.4 | 306.0 | 300.6 |
| 37.5° | 324.7 | 319.3 | 313.0 | 306.0 | 302.2 | 299.1 | 293.5 | 287.3 | 283.4 | 278.7 | 274.9 |
| 40° | 293.5 | 287.3 | 281.9 | 275.6 | 272.5 | 270.2 | 264.8 | 260.1 | 256.1 | 252.3 | 249.9 |
| 42.5° | 261.7 | 256.1 | 250.7 | 246.9 | 244.5 | 242.2 | 238.2 | 232.8 | 230.5 | 226.6 | 224.3 |
| 45° | 232.0 | 227.4 | 223.5 | 218.0 | 216.5 | 214.9 | 210.2 | 206.4 | 204.0 | 201.7 | 200.1 |
| 47.5° | 204.0 | 200.9 | 196.2 | 193.2 | 190.8 | 189.2 | 186.1 | 182.9 | 180.7 | 179.1 | 177.5 |
| 50° | 179.8 | 176.0 | 172.8 | 169.7 | 168.2 | 165.9 | 162.8 | 161.2 | 159.6 | 158.1 | 158.1 |
| 52.5° | 157.3 | 153.4 | 150.2 | 148.0 | 146.4 | 144.8 | 142.4 | 141.7 | 140.2 | 140.2 | 139.4 |
| 55° | 136.3 | 133.9 | 130.8 | 127.7 | 126.9 | 126.1 | 124.6 | 123.1 | 122.2 | 121.5 | 122.2 |
| 57.5° | 118.4 | 116.0 | 112.9 | 110.6 | 109.7 | 109.0 | 108.2 | 106.7 | 105.9 | 105.9 | 105.9 |
| 60° | 102.0 | 99.6 | 97.4 | 95.0 | 95.0 | 93.4 | 92.7 | 91.8 | 91.1 | 90.3 | 90.3 |
| 62.5° | 87.3 | 84.9 | 82.6 | 81.0 | 80.2 | 79.5 | 77.9 | 77.0 | 76.3 | 76.3 | 75.5 |
| 65° | 73.9 | 70.9 | 70.1 | 67.8 | 67.0 | 66.2 | 65.4 | 63.8 | 63.1 | 62.3 | 61.5 |
| 67.5° | 60.7 | 59.1 | 56.9 | 55.3 | 54.5 | 53.7 | 53.0 | 51.4 | 50.6 | 49.9 | 48.3 |
| 70° | 49.0 | 47.5 | 45.9 | 44.4 | 43.6 | 42.8 | 41.2 | 39.7 | 38.9 | 37.4 | 35.1 |
| 72.5° | 38.1 | 36.5 | 35.1 | 33.5 | 32.7 | 32.0 | 30.4 | 28.8 | 27.3 | 25.7 | 24.2 |
| 75° | 28.8 | 27.3 | 24.9 | 23.3 | 22.6 | 22.6 | 20.2 | 18.6 | 17.2 | 14.8 | 13.2 |
| 77.5° | 20.2 | 17.9 | 17.2 | 15.6 | 14.8 | 13.2 | 11.7 | 10.1 | 8.5 | 7.8 | 6.3 |
| 80° | 13.2 | 11.7 | 10.1 | 9.4 | 8.5 | 7.8 | 7.0 | 5.4 | 3.8 | 3.1 | 2.3 |
| 82.5° | 7.8 | 7.0 | 6.3 | 5.4 | 4.7 | 3.8 | 3.1 | 3.1 | 2.3 | 1.6 | 0.7 |
| 85° | 3.8 | 3.1 | 2.3 | 2.3 | 1.6 | 1.6 | 1.6 | 0.7 | 0.7 | 0.7 | 0.7 |
| 87.5° | 1.6 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 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° | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 |
| 2.5° | 518.5 | 517.8 | 517.0 | 516.3 | 516.3 | 514.7 | 514.7 | 514.0 | 512.4 | 511.6 | 511.6 |
| 5° | 514.0 | 511.6 | 510.0 | 509.3 | 508.4 | 506.2 | 505.3 | 503.8 | 502.2 | 500.6 | 499.9 |
| 7.5° | 506.9 | 503.0 | 501.5 | 500.6 | 498.3 | 496.1 | 494.5 | 492.1 | 489.8 | 487.4 | 486.7 |
| 10° | 498.3 | 494.5 | 490.5 | 489.0 | 486.7 | 485.1 | 482.0 | 478.9 | 476.6 | 474.2 | 471.9 |
| 12.5° | 487.4 | 482.7 | 478.9 | 477.3 | 475.0 | 471.9 | 467.2 | 465.7 | 461.8 | 460.2 | 457.1 |
| 15° | 475.0 | 469.5 | 465.7 | 463.3 | 461.0 | 456.3 | 453.2 | 450.0 | 446.2 | 444.6 | 441.5 |
| 17.5° | 459.4 | 453.2 | 449.3 | 446.9 | 445.3 | 441.5 | 436.8 | 433.0 | 429.0 | 427.4 | 425.1 |
| 20° | 440.8 | 436.8 | 431.4 | 429.0 | 427.4 | 422.9 | 418.2 | 416.6 | 413.5 | 410.4 | 408.1 |
| 22.5° | 419.7 | 415.8 | 410.4 | 408.1 | 407.2 | 403.4 | 399.4 | 397.1 | 394.7 | 392.5 | 390.2 |
| 25° | 397.9 | 393.2 | 388.6 | 387.0 | 385.5 | 382.4 | 379.2 | 377.7 | 375.3 | 373.8 | 372.3 |
| 27.5° | 374.5 | 369.9 | 366.0 | 363.6 | 362.0 | 359.8 | 358.2 | 356.6 | 355.1 | 353.5 | 352.8 |
| 30° | 349.7 | 345.0 | 341.8 | 340.3 | 338.7 | 338.0 | 335.6 | 334.9 | 334.0 | 332.5 | 333.3 |
| 32.5° | 324.7 | 320.8 | 317.7 | 315.4 | 315.4 | 313.8 | 313.0 | 313.0 | 312.3 | 312.3 | 312.3 |
| 35° | 297.5 | 295.1 | 292.8 | 292.0 | 291.2 | 290.4 | 289.7 | 290.4 | 289.7 | 290.4 | 291.2 |
| 37.5° | 272.5 | 270.2 | 268.6 | 267.8 | 267.1 | 267.8 | 267.1 | 267.1 | 267.8 | 269.4 | 270.2 |
| 40° | 246.9 | 245.3 | 243.8 | 244.5 | 243.8 | 243.8 | 243.8 | 246.0 | 246.9 | 247.6 | 248.5 |
| 42.5° | 222.7 | 221.2 | 220.3 | 220.3 | 221.2 | 220.3 | 221.9 | 222.7 | 224.3 | 226.6 | 228.1 |
| 45° | 199.3 | 198.6 | 198.6 | 199.3 | 198.6 | 200.1 | 200.1 | 201.7 | 204.0 | 205.5 | 207.1 |
| 47.5° | 177.5 | 177.5 | 177.5 | 178.3 | 178.3 | 179.1 | 180.7 | 181.4 | 182.9 | 184.5 | 186.1 |
| 50° | 157.3 | 158.1 | 158.9 | 158.9 | 158.9 | 160.3 | 161.9 | 162.8 | 163.5 | 164.3 | 166.6 |
| 52.5° | 139.4 | 140.2 | 140.2 | 141.0 | 141.7 | 142.4 | 143.3 | 144.8 | 145.6 | 147.1 | 148.0 |
| 55° | 122.2 | 122.2 | 123.8 | 124.6 | 124.6 | 124.6 | 126.1 | 126.1 | 127.7 | 128.5 | 130.1 |
| 57.5° | 105.9 | 106.7 | 106.7 | 107.5 | 107.5 | 108.2 | 109.0 | 109.7 | 110.6 | 111.3 | 112.1 |
| 60° | 90.3 | 90.3 | 90.3 | 91.1 | 91.8 | 92.7 | 91.8 | 93.4 | 93.4 | 95.0 | 95.8 |
| 62.5° | 75.5 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 77.0 | 77.9 | 78.6 | 79.5 |
| 65° | 61.5 | 61.5 | 61.5 | 60.7 | 61.5 | 60.7 | 61.5 | 62.3 | 62.3 | 63.1 | 63.8 |
| 67.5° | 47.5 | 47.5 | 45.9 | 45.9 | 46.8 | 46.8 | 46.8 | 46.8 | 45.9 | 47.5 | 47.5 |
| 70° | 34.3 | 33.5 | 32.7 | 32.0 | 32.0 | 31.1 | 31.1 | 30.4 | 30.4 | 30.4 | 30.4 |
| 72.5° | 22.6 | 21.0 | 19.5 | 18.6 | 17.9 | 17.9 | 16.3 | 15.6 | 16.3 | 16.3 | 16.3 |
| 75° | 11.7 | 10.1 | 9.4 | 8.5 | 7.8 | 7.8 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 77.5° | 4.7 | 3.8 | 3.1 | 3.1 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 80° | 1.6 | 1.6 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 82.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 85° | 0.7 | 0.0 | 0.0 | 0.7 | 0.0 | 0.7 | 0.7 | 0.7 | 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: P583709

CATALOG NUMBER: HCC8W10D010SL-HM80520827-81WWBB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 |
| 2.5° | 510.8 | 510.8 | 510.0 | 510.8 | 509.3 | 510.0 | 509.3 | 509.3 |
| 5° | 499.1 | 497.6 | 497.6 | 497.6 | 496.8 | 496.8 | 496.1 | 496.1 |
| 7.5° | 485.1 | 484.3 | 483.6 | 482.7 | 482.0 | 481.2 | 481.2 | 481.2 |
| 10° | 471.1 | 469.5 | 469.5 | 468.8 | 467.2 | 466.4 | 466.4 | 466.4 |
| 12.5° | 454.7 | 454.0 | 453.2 | 453.2 | 450.0 | 450.9 | 450.0 | 450.0 |
| 15° | 439.2 | 438.4 | 438.4 | 436.1 | 434.5 | 434.5 | 434.5 | 433.7 |
| 17.5° | 422.9 | 422.0 | 421.3 | 419.7 | 418.2 | 418.2 | 417.3 | 418.2 |
| 20° | 405.7 | 405.0 | 403.4 | 403.4 | 402.5 | 401.8 | 400.3 | 401.0 |
| 22.5° | 388.6 | 387.0 | 386.2 | 386.2 | 385.5 | 385.5 | 383.9 | 383.9 |
| 25° | 370.7 | 369.9 | 369.1 | 369.9 | 368.3 | 368.3 | 366.7 | 366.7 |
| 27.5° | 351.9 | 351.2 | 351.2 | 351.2 | 350.4 | 351.2 | 350.4 | 350.4 |
| 30° | 333.3 | 333.3 | 332.5 | 332.5 | 333.3 | 332.5 | 333.3 | 334.0 |
| 32.5° | 313.0 | 313.0 | 313.8 | 313.8 | 314.6 | 314.6 | 314.6 | 314.6 |
| 35° | 292.0 | 293.5 | 293.5 | 294.4 | 295.1 | 295.9 | 295.9 | 296.7 |
| 37.5° | 272.5 | 273.3 | 274.1 | 274.9 | 276.5 | 276.5 | 276.5 | 276.5 |
| 40° | 251.5 | 252.3 | 253.9 | 253.0 | 256.1 | 257.0 | 256.1 | 256.1 |
| 42.5° | 229.7 | 231.3 | 232.0 | 233.5 | 234.4 | 236.0 | 236.7 | 236.7 |
| 45° | 209.5 | 210.2 | 211.8 | 213.4 | 214.1 | 216.5 | 216.5 | 216.5 |
| 47.5° | 188.5 | 190.0 | 190.8 | 192.3 | 193.2 | 195.4 | 196.2 | 195.4 |
| 50° | 168.2 | 169.7 | 171.3 | 171.3 | 173.7 | 174.4 | 176.0 | 176.8 |
| 52.5° | 148.7 | 149.5 | 151.1 | 151.8 | 153.4 | 154.9 | 155.8 | 156.5 |
| 55° | 130.1 | 130.8 | 132.3 | 132.3 | 134.7 | 135.5 | 137.0 | 137.0 |
| 57.5° | 112.9 | 113.7 | 115.3 | 114.4 | 116.0 | 117.6 | 117.6 | 116.8 |
| 60° | 96.5 | 96.5 | 96.5 | 98.1 | 98.9 | 99.6 | 100.5 | 100.5 |
| 62.5° | 79.5 | 81.0 | 81.7 | 81.7 | 82.6 | 83.3 | 83.3 | 82.6 |
| 65° | 63.8 | 65.4 | 66.2 | 66.2 | 67.0 | 67.0 | 67.0 | 67.8 |
| 67.5° | 48.3 | 48.3 | 48.3 | 49.0 | 48.3 | 48.3 | 48.3 | 48.3 |
| 70° | 30.4 | 30.4 | 30.4 | 30.4 | 29.6 | 30.4 | 30.4 | 31.1 |
| 72.5° | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 |
| 75° | 7.0 | 7.0 | 7.0 | 7.8 | 7.0 | 7.0 | 7.0 | 7.0 |
| 77.5° | 3.1 | 2.3 | 3.1 | 3.1 | 2.3 | 2.3 | 2.3 | 2.3 |
| 80° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 82.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 85° | 0.0 | 0.7 | 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)