

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: P593545

Luminaire Tested: **HCC8W10D010MB-HM80520950-81RWWC**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P593545
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: HCC8W10D010MB-HM80520950-81RWWC
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

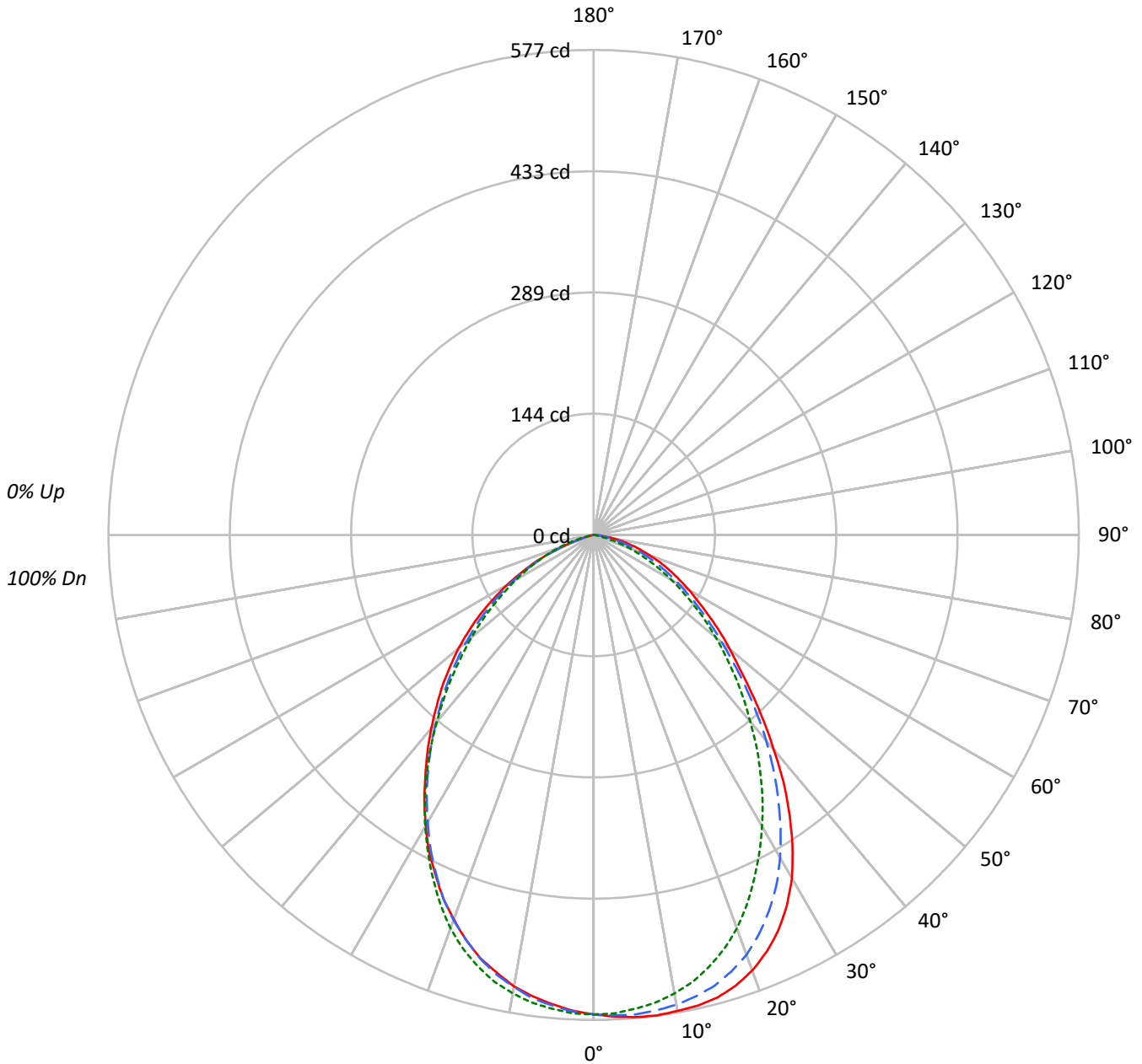
Lumens per Lamp: N/A
Luminaire Lumens: 1084.3 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.08 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P593545
CATALOG NUMBER: HCC8W10D010MB-HM80520950-81RWWC

Luminous Intensity Polar Plot





TEST NUMBER: P593545
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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 | 85 | 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° | 17592 | 17592 | 17592 |
| 5° | 17826 | 17517 | 17353 |
| 10° | 18004 | 17341 | 17074 |
| 15° | 18187 | 16971 | 16636 |
| 20° | 18098 | 16345 | 15971 |
| 25° | 17676 | 15369 | 15161 |
| 30° | 16789 | 14264 | 14214 |
| 35° | 15284 | 13017 | 13130 |
| 40° | 13397 | 11649 | 12080 |
| 45° | 11556 | 10362 | 11099 |
| 50° | 10122 | 9100 | 10050 |
| 55° | 8967 | 7817 | 8849 |
| 60° | 8079 | 6574 | 7333 |
| 65° | 7282 | 5283 | 5611 |
| 70° | 6383 | 3850 | 3092 |
| 75° | 5445 | 1990 | 822 |
| 80° | 4191 | 533 | 124 |
| 85° | 2689 | 0 | 0 |



TEST NUMBER: P593545
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 53.8 | 5.0 |
| 10°-20° | 151.3 | 14.0 |
| 20°-30° | 214.8 | 19.8 |
| 30°-40° | 226.1 | 20.9 |
| 40°-50° | 192.3 | 17.7 |
| 50°-60° | 139.0 | 12.8 |
| 60°-70° | 79.0 | 7.3 |
| 70°-80° | 24.9 | 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° | 419.9 | 38.7 |
| 0°-40° | 646.0 | 59.6 |
| 0°-60° | 977.3 | 90.1 |
| 0°-90° | 1084.3 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1084.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 570 | 570 | 570 | 570 | 570 | |
| 5° | 576 | 573 | 566 | 562 | 561 | 55 |
| 15° | 570 | 555 | 532 | 522 | 521 | 160 |
| 25° | 520 | 494 | 452 | 444 | 446 | 238 |
| 35° | 406 | 382 | 346 | 344 | 349 | 253 |
| 45° | 265 | 255 | 238 | 244 | 254 | 206 |
| 55° | 167 | 155 | 145 | 154 | 165 | 150 |
| 65° | 100 | 86 | 72 | 72 | 77 | 99 |
| 75° | 46 | 35 | 17 | 8 | 7 | 49 |
| 85° | 8 | 5 | 0 | 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° | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 |
| 2.5° | 573.6 | 574.3 | 572.8 | 572.8 | 574.3 | 572.8 | 573.6 | 573.6 | 572.8 | 572.8 | 572.0 |
| 5° | 575.9 | 575.0 | 575.0 | 575.0 | 575.9 | 574.3 | 573.6 | 574.3 | 572.8 | 572.8 | 572.8 |
| 7.5° | 576.6 | 576.6 | 575.9 | 575.0 | 575.0 | 575.0 | 574.3 | 573.6 | 572.8 | 571.3 | 570.5 |
| 10° | 575.0 | 575.0 | 575.9 | 574.3 | 574.3 | 572.8 | 572.8 | 571.3 | 571.3 | 569.7 | 567.5 |
| 12.5° | 573.6 | 572.8 | 572.8 | 571.3 | 571.3 | 569.7 | 569.7 | 567.5 | 566.7 | 564.5 | 562.2 |
| 15° | 569.7 | 569.0 | 567.5 | 566.7 | 565.9 | 565.2 | 563.6 | 562.9 | 560.6 | 557.6 | 555.3 |
| 17.5° | 562.2 | 561.3 | 560.6 | 559.1 | 557.6 | 556.8 | 556.0 | 553.8 | 550.8 | 548.5 | 544.6 |
| 20° | 551.5 | 550.8 | 550.8 | 548.5 | 547.6 | 545.3 | 544.6 | 541.6 | 539.3 | 534.8 | 531.6 |
| 22.5° | 537.1 | 537.8 | 536.2 | 534.8 | 533.2 | 530.9 | 529.4 | 526.4 | 522.5 | 517.9 | 514.1 |
| 25° | 519.5 | 520.2 | 518.8 | 517.2 | 514.9 | 513.4 | 511.8 | 507.2 | 503.5 | 498.1 | 493.5 |
| 27.5° | 497.4 | 497.4 | 497.4 | 495.8 | 492.1 | 491.3 | 489.8 | 485.2 | 479.8 | 475.3 | 470.7 |
| 30° | 471.5 | 470.7 | 470.7 | 468.4 | 467.0 | 463.9 | 461.6 | 457.8 | 454.0 | 448.7 | 443.3 |
| 32.5° | 440.3 | 441.0 | 438.7 | 437.2 | 434.9 | 434.9 | 431.9 | 428.9 | 424.3 | 418.9 | 413.6 |
| 35° | 406.0 | 406.8 | 405.2 | 404.5 | 400.6 | 399.9 | 399.2 | 395.3 | 392.3 | 388.5 | 382.4 |
| 37.5° | 370.9 | 370.2 | 369.4 | 369.4 | 367.1 | 365.6 | 364.1 | 361.8 | 357.2 | 354.2 | 351.1 |
| 40° | 332.8 | 332.8 | 332.8 | 332.1 | 331.4 | 329.8 | 329.1 | 327.5 | 324.5 | 321.4 | 319.1 |
| 42.5° | 298.6 | 298.6 | 297.9 | 297.0 | 295.6 | 296.3 | 294.7 | 293.3 | 290.2 | 287.9 | 286.4 |
| 45° | 265.0 | 265.0 | 265.0 | 265.9 | 264.3 | 262.0 | 262.0 | 260.5 | 259.0 | 257.5 | 255.2 |
| 47.5° | 235.4 | 237.6 | 236.1 | 235.4 | 236.1 | 233.1 | 233.1 | 231.5 | 230.1 | 228.5 | 225.5 |
| 50° | 211.0 | 211.0 | 211.0 | 209.5 | 208.7 | 208.7 | 206.4 | 204.9 | 204.1 | 202.7 | 199.5 |
| 52.5° | 189.0 | 187.4 | 187.4 | 186.7 | 185.8 | 184.4 | 184.4 | 182.8 | 179.8 | 178.3 | 176.0 |
| 55° | 166.8 | 166.8 | 166.0 | 165.3 | 164.6 | 163.7 | 163.0 | 160.7 | 159.1 | 156.9 | 154.6 |
| 57.5° | 147.0 | 148.6 | 147.7 | 146.3 | 144.7 | 144.7 | 143.2 | 141.7 | 139.4 | 137.1 | 134.9 |
| 60° | 131.0 | 130.3 | 130.3 | 129.5 | 128.0 | 127.2 | 126.5 | 124.2 | 121.9 | 119.6 | 117.3 |
| 62.5° | 114.3 | 114.3 | 114.3 | 112.7 | 111.2 | 110.5 | 109.7 | 108.2 | 105.2 | 102.8 | 101.3 |
| 65° | 99.8 | 99.0 | 98.2 | 97.5 | 96.8 | 95.2 | 94.5 | 92.9 | 90.6 | 88.3 | 86.1 |
| 67.5° | 85.3 | 84.5 | 84.5 | 83.8 | 81.5 | 80.8 | 80.8 | 78.5 | 76.2 | 73.9 | 71.6 |
| 70° | 70.8 | 70.8 | 70.8 | 69.4 | 68.5 | 67.8 | 67.1 | 65.5 | 63.2 | 60.9 | 58.7 |
| 72.5° | 58.7 | 57.9 | 57.9 | 57.1 | 54.8 | 54.1 | 53.4 | 51.8 | 49.5 | 48.0 | 46.5 |
| 75° | 45.7 | 45.7 | 45.0 | 44.2 | 43.4 | 42.7 | 41.9 | 40.4 | 38.1 | 35.8 | 35.1 |
| 77.5° | 35.1 | 34.3 | 34.3 | 33.5 | 32.0 | 31.3 | 31.3 | 29.7 | 27.4 | 25.8 | 24.4 |
| 80° | 23.6 | 24.4 | 23.6 | 22.8 | 22.1 | 21.3 | 20.6 | 19.8 | 18.3 | 16.7 | 15.3 |
| 82.5° | 14.4 | 15.3 | 14.4 | 14.4 | 13.7 | 13.0 | 13.0 | 11.4 | 10.7 | 9.9 | 9.1 |
| 85° | 7.6 | 7.6 | 7.6 | 7.6 | 6.9 | 6.9 | 6.9 | 6.1 | 5.3 | 4.6 | 4.6 |
| 87.5° | 2.3 | 3.0 | 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° | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 |
| 2.5° | 572.8 | 572.0 | 571.3 | 571.3 | 571.3 | 571.3 | 571.3 | 570.5 | 569.7 | 569.7 | 569.7 |
| 5° | 571.3 | 571.3 | 571.3 | 570.5 | 569.7 | 569.7 | 568.2 | 567.5 | 566.7 | 565.9 | 565.2 |
| 7.5° | 569.7 | 568.2 | 567.5 | 566.7 | 565.9 | 565.9 | 564.5 | 562.9 | 562.9 | 561.3 | 559.9 |
| 10° | 565.2 | 564.5 | 562.9 | 561.3 | 560.6 | 559.9 | 558.3 | 556.0 | 555.3 | 553.8 | 552.2 |
| 12.5° | 559.9 | 558.3 | 556.8 | 553.8 | 553.0 | 552.2 | 549.2 | 546.9 | 545.3 | 544.6 | 540.8 |
| 15° | 553.0 | 549.9 | 547.6 | 543.9 | 543.1 | 541.6 | 539.3 | 537.1 | 533.9 | 531.6 | 530.2 |
| 17.5° | 540.8 | 537.8 | 533.9 | 530.2 | 528.6 | 528.6 | 524.8 | 521.8 | 517.9 | 516.4 | 513.4 |
| 20° | 526.4 | 522.5 | 519.5 | 514.9 | 512.7 | 510.4 | 508.1 | 503.5 | 500.4 | 498.1 | 494.4 |
| 22.5° | 509.5 | 504.2 | 500.4 | 495.8 | 492.1 | 489.8 | 486.0 | 482.1 | 478.4 | 476.1 | 473.0 |
| 25° | 488.3 | 483.7 | 477.6 | 473.0 | 470.7 | 467.7 | 463.1 | 459.3 | 455.6 | 451.7 | 450.1 |
| 27.5° | 464.7 | 458.6 | 453.3 | 447.9 | 445.6 | 443.3 | 438.0 | 433.4 | 430.3 | 426.6 | 425.0 |
| 30° | 438.7 | 432.6 | 426.6 | 422.0 | 419.7 | 415.9 | 412.9 | 407.5 | 403.8 | 400.6 | 396.9 |
| 32.5° | 409.0 | 404.5 | 399.2 | 392.3 | 390.8 | 387.8 | 383.2 | 380.9 | 376.2 | 373.9 | 370.9 |
| 35° | 377.1 | 373.9 | 368.7 | 363.4 | 361.1 | 359.5 | 355.7 | 351.1 | 348.1 | 345.8 | 344.3 |
| 37.5° | 346.5 | 342.8 | 337.4 | 333.7 | 332.1 | 329.8 | 325.3 | 323.0 | 320.0 | 318.4 | 315.4 |
| 40° | 313.8 | 310.0 | 306.1 | 303.9 | 301.6 | 300.1 | 297.0 | 294.7 | 291.7 | 289.4 | 288.7 |
| 42.5° | 281.9 | 279.6 | 276.5 | 273.5 | 272.7 | 270.4 | 268.9 | 266.6 | 264.3 | 263.6 | 261.3 |
| 45° | 252.9 | 250.6 | 247.6 | 244.5 | 243.8 | 242.2 | 241.5 | 239.2 | 237.6 | 237.6 | 237.6 |
| 47.5° | 223.9 | 221.6 | 218.6 | 217.1 | 217.8 | 214.8 | 214.8 | 214.1 | 212.5 | 212.5 | 213.2 |
| 50° | 198.1 | 195.0 | 194.2 | 192.7 | 191.2 | 189.7 | 190.4 | 188.1 | 188.1 | 189.7 | 189.0 |
| 52.5° | 173.7 | 170.6 | 169.8 | 168.3 | 167.6 | 167.6 | 166.8 | 166.8 | 166.0 | 166.8 | 166.8 |
| 55° | 151.6 | 149.3 | 147.7 | 146.3 | 145.4 | 145.4 | 145.4 | 144.7 | 144.0 | 145.4 | 146.3 |
| 57.5° | 131.7 | 131.0 | 129.5 | 127.2 | 126.5 | 125.7 | 124.9 | 124.9 | 124.9 | 124.9 | 125.7 |
| 60° | 114.3 | 112.7 | 111.2 | 108.9 | 108.9 | 108.2 | 107.5 | 106.6 | 106.6 | 106.6 | 106.6 |
| 62.5° | 99.0 | 96.8 | 94.5 | 92.9 | 92.2 | 91.4 | 90.6 | 89.1 | 89.1 | 89.1 | 89.1 |
| 65° | 83.8 | 81.5 | 79.9 | 78.5 | 76.9 | 76.9 | 75.4 | 74.6 | 73.1 | 72.4 | 70.8 |
| 67.5° | 69.4 | 67.8 | 66.2 | 63.9 | 63.2 | 62.5 | 60.9 | 60.2 | 57.9 | 57.1 | 56.4 |
| 70° | 56.4 | 54.1 | 52.5 | 51.1 | 50.2 | 48.8 | 47.2 | 45.7 | 44.2 | 42.7 | 41.1 |
| 72.5° | 44.2 | 41.9 | 40.4 | 38.8 | 37.4 | 37.4 | 35.1 | 33.5 | 31.3 | 29.7 | 27.4 |
| 75° | 32.7 | 30.4 | 29.0 | 26.7 | 25.8 | 25.1 | 22.8 | 21.3 | 19.0 | 16.7 | 15.3 |
| 77.5° | 22.1 | 20.6 | 19.0 | 16.7 | 15.3 | 15.3 | 13.0 | 11.4 | 9.9 | 7.6 | 6.9 |
| 80° | 13.7 | 12.1 | 10.7 | 9.1 | 9.1 | 7.6 | 6.9 | 5.3 | 3.8 | 3.0 | 2.3 |
| 82.5° | 7.6 | 6.9 | 6.1 | 4.6 | 4.6 | 3.8 | 3.0 | 2.3 | 1.6 | 0.7 | 0.7 |
| 85° | 3.8 | 3.0 | 2.3 | 2.3 | 1.6 | 1.6 | 1.6 | 0.7 | 0.7 | 0.0 | 0.0 |
| 87.5° | 1.6 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 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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CATALOG NUMBER: HCC8W10D010MB-HM80520950-81RWWC

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 |
| 2.5° | 569.0 | 569.0 | 568.2 | 568.2 | 568.2 | 567.5 | 568.2 | 567.5 | 567.5 | 567.5 | 568.2 |
| 5° | 565.9 | 564.5 | 564.5 | 563.6 | 563.6 | 562.9 | 563.6 | 562.9 | 562.2 | 561.3 | 562.2 |
| 7.5° | 559.9 | 558.3 | 557.6 | 556.8 | 556.8 | 556.8 | 556.0 | 555.3 | 556.0 | 553.8 | 555.3 |
| 10° | 551.5 | 550.8 | 549.2 | 548.5 | 547.6 | 548.5 | 547.6 | 546.2 | 546.2 | 546.2 | 545.3 |
| 12.5° | 540.8 | 539.3 | 538.5 | 537.8 | 536.2 | 536.2 | 537.1 | 535.5 | 535.5 | 533.9 | 533.9 |
| 15° | 527.9 | 526.4 | 524.8 | 524.8 | 523.4 | 523.4 | 522.5 | 522.5 | 521.8 | 521.1 | 521.1 |
| 17.5° | 511.8 | 509.5 | 508.1 | 508.8 | 508.1 | 507.2 | 507.2 | 505.8 | 505.0 | 505.8 | 505.8 |
| 20° | 492.8 | 491.3 | 489.8 | 490.5 | 489.0 | 488.3 | 489.0 | 486.7 | 487.5 | 487.5 | 487.5 |
| 22.5° | 471.5 | 470.7 | 468.4 | 468.4 | 467.0 | 466.1 | 467.0 | 467.0 | 467.7 | 467.0 | 467.0 |
| 25° | 447.9 | 446.3 | 444.9 | 444.9 | 444.0 | 443.3 | 444.0 | 444.9 | 444.0 | 444.9 | 444.9 |
| 27.5° | 422.7 | 420.5 | 420.5 | 418.9 | 418.9 | 419.7 | 418.9 | 419.7 | 420.5 | 420.5 | 422.0 |
| 30° | 395.3 | 394.6 | 393.8 | 393.1 | 393.1 | 393.8 | 393.8 | 393.8 | 394.6 | 396.1 | 396.1 |
| 32.5° | 369.4 | 367.9 | 366.4 | 366.4 | 367.9 | 367.1 | 367.9 | 367.9 | 369.4 | 369.4 | 370.9 |
| 35° | 341.2 | 341.2 | 339.7 | 340.5 | 340.5 | 340.5 | 340.5 | 342.0 | 343.5 | 344.3 | 345.8 |
| 37.5° | 315.4 | 313.1 | 313.8 | 313.8 | 314.6 | 313.8 | 316.1 | 316.1 | 317.7 | 317.7 | 319.1 |
| 40° | 287.2 | 287.2 | 287.9 | 287.2 | 287.9 | 287.9 | 289.4 | 291.0 | 291.7 | 293.3 | 294.0 |
| 42.5° | 260.5 | 262.0 | 260.5 | 261.3 | 262.0 | 262.8 | 263.6 | 264.3 | 267.3 | 268.9 | 271.2 |
| 45° | 236.1 | 236.9 | 237.6 | 238.4 | 237.6 | 239.2 | 239.9 | 241.5 | 243.8 | 244.5 | 245.3 |
| 47.5° | 212.5 | 213.2 | 214.1 | 214.8 | 214.8 | 216.4 | 217.1 | 218.6 | 220.1 | 220.9 | 221.6 |
| 50° | 189.7 | 191.2 | 192.0 | 192.0 | 192.7 | 194.2 | 195.8 | 195.8 | 197.2 | 199.5 | 200.4 |
| 52.5° | 169.1 | 169.1 | 170.6 | 171.4 | 172.1 | 172.1 | 174.4 | 175.3 | 176.0 | 177.5 | 179.0 |
| 55° | 146.3 | 148.6 | 149.3 | 149.3 | 150.9 | 152.3 | 153.1 | 153.9 | 153.9 | 156.9 | 156.9 |
| 57.5° | 126.5 | 127.2 | 128.7 | 128.7 | 128.7 | 131.0 | 131.0 | 132.6 | 133.3 | 134.0 | 135.6 |
| 60° | 106.6 | 108.2 | 108.2 | 108.9 | 108.2 | 109.7 | 110.5 | 112.0 | 112.7 | 113.5 | 114.3 |
| 62.5° | 88.3 | 88.3 | 89.1 | 89.1 | 89.1 | 89.1 | 90.6 | 90.6 | 92.2 | 92.9 | 93.6 |
| 65° | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 71.6 | 71.6 | 73.1 |
| 67.5° | 54.8 | 54.1 | 52.5 | 53.4 | 52.5 | 52.5 | 51.8 | 51.8 | 52.5 | 52.5 | 54.1 |
| 70° | 39.7 | 38.8 | 37.4 | 37.4 | 36.5 | 35.8 | 35.1 | 34.3 | 33.5 | 33.5 | 33.5 |
| 72.5° | 25.8 | 24.4 | 22.1 | 21.3 | 21.3 | 19.8 | 18.3 | 17.5 | 17.5 | 17.5 | 17.5 |
| 75° | 13.0 | 11.4 | 9.9 | 9.1 | 9.1 | 7.6 | 8.4 | 7.6 | 7.6 | 7.6 | 7.6 |
| 77.5° | 5.3 | 3.8 | 3.0 | 3.0 | 3.0 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 80° | 1.6 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 82.5° | 0.7 | 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: P593545

CATALOG NUMBER: HCC8W10D010MB-HM80520950-81RWWC

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 | 570.5 |
| 2.5° | 567.5 | 567.5 | 565.9 | 566.7 | 566.7 | 566.7 | 566.7 | 566.7 |
| 5° | 560.6 | 561.3 | 560.6 | 561.3 | 561.3 | 560.6 | 560.6 | 560.6 |
| 7.5° | 553.8 | 554.5 | 553.8 | 554.5 | 554.5 | 554.5 | 553.8 | 553.8 |
| 10° | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 544.6 | 545.3 | 545.3 |
| 12.5° | 533.9 | 533.9 | 533.9 | 534.8 | 534.8 | 533.9 | 533.9 | 533.2 |
| 15° | 521.8 | 520.2 | 521.1 | 521.8 | 521.1 | 521.1 | 521.1 | 521.1 |
| 17.5° | 505.0 | 505.8 | 505.0 | 505.0 | 505.0 | 505.0 | 505.8 | 505.0 |
| 20° | 487.5 | 487.5 | 488.3 | 487.5 | 487.5 | 487.5 | 487.5 | 486.7 |
| 22.5° | 467.7 | 467.0 | 467.0 | 467.7 | 467.7 | 467.0 | 467.7 | 467.7 |
| 25° | 445.6 | 446.3 | 445.6 | 445.6 | 446.3 | 446.3 | 446.3 | 445.6 |
| 27.5° | 422.0 | 422.7 | 423.5 | 422.7 | 422.7 | 422.7 | 423.5 | 424.3 |
| 30° | 397.6 | 399.2 | 397.6 | 397.6 | 399.2 | 398.3 | 399.2 | 399.2 |
| 32.5° | 371.7 | 373.9 | 372.5 | 373.9 | 373.9 | 374.8 | 373.9 | 374.8 |
| 35° | 345.8 | 348.1 | 348.1 | 348.1 | 348.8 | 349.7 | 349.7 | 348.8 |
| 37.5° | 321.4 | 322.3 | 322.3 | 323.7 | 324.5 | 325.3 | 325.3 | 324.5 |
| 40° | 296.3 | 297.9 | 298.6 | 298.6 | 298.6 | 300.1 | 301.6 | 300.1 |
| 42.5° | 271.9 | 272.7 | 273.5 | 273.5 | 275.0 | 275.7 | 276.5 | 276.5 |
| 45° | 248.3 | 249.9 | 250.6 | 251.3 | 252.2 | 253.6 | 252.9 | 254.5 |
| 47.5° | 223.9 | 226.2 | 226.9 | 227.8 | 229.2 | 230.1 | 230.8 | 231.5 |
| 50° | 201.8 | 203.4 | 203.4 | 204.9 | 207.2 | 207.2 | 208.7 | 209.5 |
| 52.5° | 179.8 | 180.5 | 181.3 | 182.1 | 183.5 | 185.1 | 185.1 | 186.7 |
| 55° | 158.4 | 159.1 | 159.1 | 160.0 | 160.7 | 163.7 | 164.6 | 164.6 |
| 57.5° | 136.3 | 136.3 | 137.9 | 138.6 | 139.4 | 140.9 | 140.9 | 140.9 |
| 60° | 115.0 | 115.8 | 115.8 | 116.6 | 117.3 | 118.9 | 119.6 | 118.9 |
| 62.5° | 93.6 | 94.5 | 94.5 | 95.2 | 96.8 | 97.5 | 96.8 | 96.8 |
| 65° | 73.9 | 74.6 | 74.6 | 75.4 | 76.9 | 76.9 | 76.2 | 76.9 |
| 67.5° | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 |
| 70° | 34.3 | 33.5 | 32.7 | 33.5 | 33.5 | 33.5 | 32.7 | 34.3 |
| 72.5° | 16.7 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 16.7 |
| 75° | 7.6 | 7.6 | 6.9 | 6.9 | 6.9 | 7.6 | 7.6 | 6.9 |
| 77.5° | 2.3 | 2.3 | 2.3 | 2.3 | 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° | 0.0 | 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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Scaled Data Report



— 0°-180° - - 45°-225° - - - - 90°-270°

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(END OF REPORT)