

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: HALO

Report Number: P710099

Luminaire Tested: RA6LS9FSD2W1EWHDM-900lm-3500K

Issue Date: 10/6/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P710099  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A23044405B001)  
Test Lab: EVERFINE  
Issue Date: 10/6/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: RA6LS9FSD2W1EWHDM-900lm-3500K  
Description: 6IN DM SELECTABLE LUMENS  
Light Source: SELECTABLE LUMEN/CCT LEDs 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

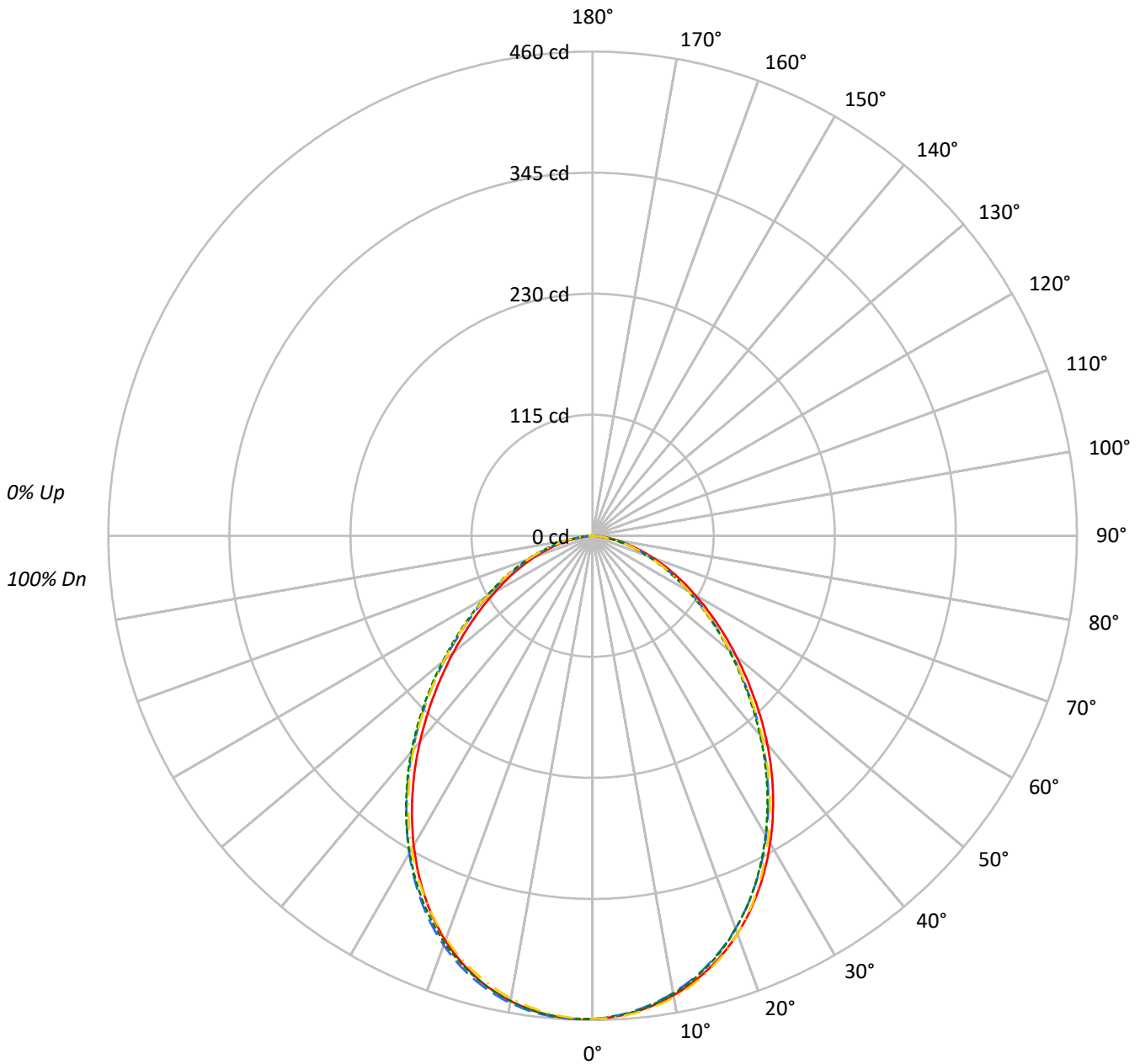
Lumens per Lamp: 939.74 (1 lamp)  
Luminaire Lumens: 950.0 lumens  
Efficiency: 101.1%  
Efficacy: 99.0 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.19  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.6  
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: 24 FT



TEST NUMBER: P710099  
CATALOG NUMBER: RA6LS9FSD2W1EWHDM-900lm-3500K

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF  | 20  |     |     |     |     |     |     |     |     | 20  |     |     |     |     |     |     |     |     | 20 |    |   |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |   |
| RC  | 80  |     |     |     |     |     |     |     |     | 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   | 120 | 120 | 120 | 120 | 118 | 118 | 118 | 118 | 112 | 112 | 112 | 108 | 108 | 108 | 103 | 103 | 103 | 101 |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 1   | 111 | 107 | 103 | 100 | 109 | 105 | 101 | 98  | 101 | 98  | 95  | 97  | 94  | 92  | 93  | 91  | 90  | 88  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 102 | 95  | 89  | 84  | 100 | 93  | 87  | 83  | 90  | 85  | 81  | 86  | 82  | 79  | 83  | 80  | 77  | 75  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 94  | 85  | 77  | 71  | 92  | 83  | 76  | 71  | 80  | 74  | 69  | 77  | 72  | 68  | 75  | 71  | 67  | 65  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 87  | 76  | 68  | 62  | 85  | 75  | 67  | 61  | 72  | 66  | 60  | 70  | 64  | 60  | 68  | 63  | 59  | 57  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 80  | 68  | 60  | 54  | 78  | 67  | 60  | 54  | 65  | 58  | 53  | 63  | 57  | 53  | 62  | 56  | 52  | 50  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 75  | 62  | 54  | 48  | 73  | 61  | 53  | 48  | 60  | 52  | 47  | 58  | 52  | 47  | 56  | 51  | 46  | 44  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 70  | 57  | 49  | 43  | 68  | 56  | 48  | 43  | 55  | 47  | 42  | 53  | 47  | 42  | 52  | 46  | 42  | 40  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 65  | 52  | 44  | 39  | 64  | 52  | 44  | 38  | 50  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 38  | 36  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 61  | 48  | 40  | 35  | 60  | 48  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 44  | 39  | 34  | 33  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 57  | 45  | 37  | 32  | 56  | 44  | 37  | 32  | 43  | 36  | 32  | 42  | 36  | 32  | 41  | 36  | 32  | 30  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 25168 | 25168 | 25168 | 25168 |
| 5°  | 25000 | 24972 | 25171 | 25171 |
| 10° | 24671 | 24599 | 24983 | 24983 |
| 15° | 24177 | 24013 | 24574 | 24609 |
| 20° | 23470 | 23184 | 23872 | 24006 |
| 25° | 22519 | 22108 | 22834 | 23130 |
| 30° | 21351 | 20801 | 21516 | 22003 |
| 35° | 19990 | 19327 | 19956 | 20673 |
| 40° | 18463 | 17712 | 18256 | 19164 |
| 45° | 16808 | 16017 | 16467 | 17513 |
| 50° | 15215 | 14396 | 14746 | 15854 |
| 55° | 13715 | 12884 | 13189 | 14346 |
| 60° | 12335 | 11501 | 11786 | 12970 |
| 65° | 11052 | 10157 | 10585 | 11739 |
| 70° | 9777  | 8800  | 9264  | 10515 |
| 75° | 8409  | 7265  | 7816  | 9150  |
| 80° | 6819  | 5430  | 6061  | 7577  |
| 85° | 4717  | 3397  | 3208  | 5850  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 240°  
 Vertical Angle: 45°  
 Luminance: 17513 cd/sqm



TEST NUMBER: P710099  
 CATALOG NUMBER: RA6LS9FSD2W1EWHDM-900lm-3500K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture | % Lamp |
|-----------|--------|-----------|--------|
| 0°-10°    | 43.2   | 4.5       | 4.6    |
| 10°-20°   | 120.6  | 12.7      | 12.8   |
| 20°-30°   | 172.0  | 18.1      | 18.3   |
| 30°-40°   | 186.6  | 19.6      | 19.9   |
| 40°-50°   | 166.6  | 17.5      | 17.7   |
| 50°-60°   | 127.3  | 13.4      | 13.6   |
| 60°-70°   | 83.5   | 8.8       | 8.9    |
| 70°-80°   | 41.3   | 4.3       | 4.4    |
| 80°-90°   | 8.9    | 0.9       | 0.9    |
| 90°-100°  | 0.0    | 0.0       | 0.0    |
| 100°-110° | 0.0    | 0.0       | 0.0    |
| 110°-120° | 0.0    | 0.0       | 0.0    |
| 120°-130° | 0.0    | 0.0       | 0.0    |
| 130°-140° | 0.0    | 0.0       | 0.0    |
| 140°-150° | 0.0    | 0.0       | 0.0    |
| 150°-160° | 0.0    | 0.0       | 0.0    |
| 160°-170° | 0.0    | 0.0       | 0.0    |
| 170°-180° | 0.0    | 0.0       | 0.0    |
| 0°-30°    | 335.8  | 35.3      | 35.7   |
| 0°-40°    | 522.4  | 55.0      | 55.6   |
| 0°-60°    | 816.3  | 85.9      | 86.9   |
| 0°-90°    | 950.0  | 100.0     | 101.1  |
| 90°-120°  | 0.0    | 0.0       | 0.0    |
| 90°-150°  | 0.0    | 0.0       | 0.0    |
| 90°-180°  | 0.0    | 0.0       | 0.0    |
| 0°-180°   | 950.0  | 100.0     | 101.1  |

**CANDELA DISTRIBUTION:**

|     | 0°  | 90° | 180° | 270° | 360° | Flux |
|-----|-----|-----|------|------|------|------|
| 0°  | 459 | 459 | 459  | 459  | 459  |      |
| 5°  | 454 | 454 | 457  | 457  | 454  | 43   |
| 15° | 426 | 423 | 433  | 434  | 426  | 120  |
| 25° | 372 | 366 | 378  | 382  | 372  | 171  |
| 35° | 299 | 289 | 298  | 309  | 299  | 186  |
| 45° | 217 | 207 | 212  | 226  | 217  | 167  |
| 55° | 144 | 135 | 138  | 150  | 144  | 129  |
| 65° | 85  | 78  | 82   | 90   | 85   | 85   |
| 75° | 40  | 34  | 37   | 43   | 40   | 42   |
| 85° | 8   | 5   | 5    | 9    | 8    | 9    |
| 90° | 0   | 0   | 0    | 1    | 0    |      |



TEST NUMBER: P710099

CATALOG NUMBER: RA6LS9FSD2W1EWHDM-900lm-3500K

**CANDELA DISTRIBUTION (FULL):**

|     | 0°    | 30°   | 60°   | 90°   | 120°  | 150°  | 180°  | 210°  | 240°  | 270°  | 300°  |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°  | 459.1 | 459.1 | 459.1 | 459.1 | 459.1 | 459.1 | 459.1 | 459.1 | 459.1 | 459.1 | 459.1 |
| 1°  | 458.7 | 458.4 | 458.4 | 458.4 | 458.6 | 459.1 | 459.3 | 459.5 | 459.4 | 459.1 | 459.1 |
| 2°  | 458.0 | 457.4 | 457.5 | 457.7 | 458.1 | 458.8 | 459.2 | 459.6 | 459.4 | 459.0 | 458.8 |
| 3°  | 457.1 | 456.3 | 456.4 | 456.7 | 457.2 | 458.2 | 458.9 | 459.5 | 459.3 | 458.8 | 458.4 |
| 4°  | 455.9 | 454.8 | 454.9 | 455.4 | 455.9 | 457.4 | 458.3 | 459.0 | 458.8 | 458.3 | 457.7 |
| 5°  | 454.3 | 453.1 | 453.2 | 453.8 | 454.5 | 456.4 | 457.4 | 458.4 | 458.2 | 457.4 | 456.7 |
| 6°  | 452.7 | 451.2 | 451.2 | 451.9 | 452.9 | 454.9 | 456.3 | 457.4 | 457.3 | 456.2 | 455.3 |
| 7°  | 450.7 | 449.1 | 449.0 | 449.8 | 450.9 | 453.3 | 454.8 | 456.3 | 455.9 | 454.8 | 453.7 |
| 8°  | 448.5 | 446.6 | 446.5 | 447.3 | 448.5 | 451.4 | 453.2 | 454.7 | 454.4 | 453.0 | 452.0 |
| 9°  | 445.9 | 443.9 | 443.8 | 444.7 | 446.0 | 449.4 | 451.2 | 452.9 | 452.6 | 451.1 | 450.0 |
| 10° | 443.2 | 441.0 | 440.8 | 441.9 | 443.2 | 446.8 | 448.8 | 450.9 | 450.6 | 448.8 | 447.6 |
| 11° | 440.3 | 437.8 | 437.5 | 438.6 | 440.0 | 444.1 | 446.3 | 448.6 | 448.2 | 446.3 | 445.0 |
| 12° | 437.1 | 434.4 | 434.1 | 435.2 | 436.8 | 441.0 | 443.4 | 445.8 | 445.6 | 443.6 | 442.0 |
| 13° | 433.6 | 430.7 | 430.2 | 431.4 | 433.1 | 437.7 | 440.3 | 442.9 | 442.6 | 440.5 | 438.9 |
| 14° | 430.0 | 426.8 | 426.3 | 427.4 | 429.1 | 434.0 | 436.8 | 439.7 | 439.4 | 437.2 | 435.6 |
| 15° | 426.0 | 422.6 | 421.9 | 423.1 | 424.8 | 430.0 | 433.0 | 436.2 | 435.9 | 433.6 | 431.9 |
| 16° | 421.9 | 418.1 | 417.4 | 418.6 | 420.2 | 425.7 | 428.8 | 432.3 | 432.1 | 429.7 | 428.0 |
| 17° | 417.3 | 413.3 | 412.5 | 413.7 | 415.5 | 421.2 | 424.4 | 428.1 | 428.0 | 425.6 | 423.8 |
| 18° | 412.6 | 408.4 | 407.4 | 408.6 | 410.4 | 416.3 | 419.6 | 423.7 | 423.6 | 421.2 | 419.5 |
| 19° | 407.6 | 403.2 | 402.0 | 403.1 | 405.0 | 411.1 | 414.6 | 418.9 | 418.9 | 416.5 | 414.7 |
| 20° | 402.3 | 397.6 | 396.4 | 397.4 | 399.3 | 405.6 | 409.2 | 413.8 | 414.0 | 411.5 | 409.7 |
| 21° | 396.8 | 391.8 | 390.6 | 391.4 | 393.2 | 399.9 | 403.3 | 408.4 | 408.7 | 406.1 | 404.4 |
| 22° | 390.9 | 386.0 | 384.5 | 385.2 | 387.1 | 393.8 | 397.3 | 402.7 | 403.1 | 400.6 | 398.7 |
| 23° | 385.1 | 379.6 | 378.1 | 378.9 | 380.7 | 387.5 | 391.2 | 396.5 | 397.3 | 394.7 | 393.1 |
| 24° | 378.7 | 373.4 | 371.6 | 372.2 | 374.0 | 380.9 | 384.4 | 390.2 | 391.2 | 388.7 | 387.0 |
| 25° | 372.3 | 366.6 | 364.8 | 365.5 | 367.1 | 374.0 | 377.5 | 383.7 | 384.9 | 382.4 | 380.8 |
| 26° | 365.7 | 359.9 | 357.9 | 358.4 | 359.9 | 367.0 | 370.4 | 376.8 | 378.1 | 375.8 | 374.3 |
| 27° | 358.8 | 352.9 | 350.7 | 351.1 | 352.6 | 359.7 | 363.1 | 369.6 | 371.4 | 369.0 | 367.7 |
| 28° | 351.8 | 345.7 | 343.5 | 343.9 | 345.2 | 352.3 | 355.5 | 362.3 | 364.3 | 362.2 | 360.8 |
| 29° | 344.6 | 338.3 | 336.0 | 336.3 | 337.7 | 344.8 | 347.8 | 354.9 | 357.1 | 355.0 | 353.7 |
| 30° | 337.3 | 330.7 | 328.4 | 328.6 | 329.9 | 336.9 | 339.9 | 347.1 | 349.7 | 347.6 | 346.5 |
| 31° | 329.8 | 323.3 | 320.7 | 320.9 | 322.0 | 329.0 | 331.7 | 339.2 | 342.0 | 340.2 | 339.1 |
| 32° | 322.2 | 315.4 | 312.8 | 313.0 | 314.0 | 320.8 | 323.5 | 331.1 | 334.2 | 332.5 | 331.5 |
| 33° | 314.4 | 307.6 | 304.9 | 304.9 | 305.9 | 312.6 | 315.2 | 322.9 | 326.2 | 324.8 | 323.8 |
| 34° | 306.8 | 299.7 | 296.9 | 296.9 | 297.8 | 304.3 | 306.6 | 314.6 | 318.2 | 316.8 | 316.0 |
| 35° | 298.7 | 291.7 | 289.0 | 288.8 | 289.6 | 296.1 | 298.2 | 306.2 | 310.0 | 308.9 | 308.1 |
| 36° | 290.6 | 283.7 | 280.7 | 280.7 | 281.4 | 287.7 | 289.6 | 297.8 | 301.8 | 300.7 | 300.1 |
| 37° | 282.7 | 275.5 | 272.6 | 272.5 | 272.9 | 279.3 | 281.1 | 289.3 | 293.6 | 292.7 | 292.1 |
| 38° | 274.5 | 267.3 | 264.5 | 264.2 | 264.6 | 270.8 | 272.4 | 280.8 | 285.3 | 284.5 | 283.9 |
| 39° | 266.2 | 259.1 | 256.1 | 255.9 | 256.2 | 262.3 | 263.8 | 272.2 | 276.8 | 276.2 | 275.8 |
| 40° | 258.0 | 250.8 | 247.9 | 247.5 | 247.8 | 253.8 | 255.1 | 263.5 | 268.3 | 267.8 | 267.4 |
| 41° | 249.7 | 242.6 | 239.6 | 239.2 | 239.4 | 245.3 | 246.4 | 254.9 | 259.9 | 259.5 | 259.1 |
| 42° | 241.4 | 234.3 | 231.3 | 231.0 | 231.1 | 236.8 | 237.8 | 246.2 | 251.4 | 251.0 | 250.6 |



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**CANDELA DISTRIBUTION (continued):**

|     | 0°    | 30°   | 60°   | 90°   | 120°  | 150°  | 180°  | 210°  | 240°  | 270°  | 300°  |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 45° | 216.8 | 209.9 | 207.1 | 206.6 | 206.5 | 211.8 | 212.4 | 220.7 | 225.9 | 225.9 | 225.8 |
| 46° | 208.8 | 201.9 | 199.3 | 198.7 | 198.6 | 203.5 | 204.2 | 212.3 | 217.5 | 217.6 | 217.7 |
| 47° | 201.0 | 194.2 | 191.6 | 191.0 | 190.8 | 195.7 | 196.0 | 204.2 | 209.5 | 209.5 | 209.7 |
| 48° | 193.2 | 186.5 | 184.2 | 183.6 | 183.1 | 188.0 | 188.2 | 196.2 | 201.3 | 201.6 | 201.7 |
| 49° | 185.8 | 179.0 | 176.8 | 176.2 | 175.5 | 180.6 | 180.5 | 188.4 | 193.5 | 193.6 | 194.0 |
| 50° | 178.4 | 171.7 | 169.5 | 168.8 | 168.3 | 173.1 | 172.9 | 180.9 | 185.7 | 185.9 | 186.5 |
| 51° | 171.0 | 164.4 | 162.4 | 161.8 | 161.1 | 165.6 | 165.7 | 173.4 | 178.2 | 178.5 | 178.9 |
| 52° | 163.9 | 157.5 | 155.4 | 154.8 | 154.2 | 158.5 | 158.4 | 165.9 | 170.8 | 171.2 | 171.3 |
| 53° | 157.0 | 150.6 | 148.6 | 147.9 | 147.3 | 151.5 | 151.4 | 158.7 | 163.5 | 163.9 | 164.6 |
| 54° | 150.1 | 143.9 | 142.0 | 141.3 | 140.6 | 144.8 | 144.7 | 151.9 | 156.4 | 156.9 | 157.5 |
| 55° | 143.5 | 137.5 | 135.5 | 134.8 | 134.1 | 138.2 | 138.0 | 145.0 | 149.5 | 150.1 | 150.7 |
| 56° | 136.9 | 131.1 | 129.2 | 128.5 | 127.9 | 131.7 | 131.6 | 138.4 | 142.8 | 143.4 | 144.0 |
| 57° | 130.6 | 124.9 | 123.1 | 122.4 | 121.7 | 125.5 | 125.4 | 132.1 | 136.3 | 136.8 | 137.5 |
| 58° | 124.4 | 118.8 | 117.0 | 116.4 | 115.7 | 119.4 | 119.3 | 125.8 | 129.9 | 130.5 | 131.1 |
| 59° | 118.4 | 113.0 | 111.3 | 110.5 | 109.8 | 113.4 | 113.4 | 119.7 | 123.7 | 124.3 | 125.0 |
| 60° | 112.5 | 107.2 | 105.6 | 104.9 | 104.1 | 107.6 | 107.5 | 113.7 | 117.7 | 118.3 | 118.9 |
| 61° | 106.8 | 101.5 | 100.0 | 99.3  | 98.6  | 102.0 | 102.0 | 107.9 | 111.7 | 112.3 | 113.1 |
| 62° | 101.2 | 96.0  | 94.6  | 93.8  | 93.5  | 96.5  | 96.5  | 102.3 | 105.8 | 106.6 | 107.3 |
| 63° | 95.8  | 91.1  | 89.3  | 88.6  | 88.4  | 91.1  | 91.5  | 96.7  | 100.1 | 101.0 | 101.7 |
| 64° | 90.4  | 86.2  | 84.1  | 83.4  | 83.3  | 85.9  | 86.6  | 91.4  | 94.5  | 95.5  | 96.2  |
| 65° | 85.2  | 81.0  | 79.0  | 78.3  | 78.3  | 80.7  | 81.6  | 86.0  | 89.5  | 90.5  | 90.9  |
| 66° | 80.2  | 76.1  | 74.2  | 73.4  | 73.3  | 75.8  | 76.6  | 80.8  | 84.4  | 85.5  | 85.7  |
| 67° | 75.1  | 71.3  | 69.3  | 68.6  | 68.5  | 70.9  | 71.7  | 75.8  | 79.2  | 80.3  | 80.5  |
| 68° | 70.3  | 66.5  | 64.6  | 64.0  | 63.9  | 66.2  | 67.0  | 70.9  | 74.1  | 75.3  | 75.6  |
| 69° | 65.6  | 62.0  | 60.1  | 59.3  | 59.3  | 61.5  | 62.4  | 66.1  | 69.2  | 70.4  | 70.8  |
| 70° | 61.0  | 57.5  | 55.6  | 54.9  | 54.8  | 57.1  | 57.8  | 61.4  | 64.4  | 65.6  | 66.0  |
| 71° | 56.5  | 53.1  | 51.3  | 50.5  | 50.5  | 52.6  | 53.4  | 56.8  | 59.7  | 60.9  | 61.4  |
| 72° | 52.1  | 48.8  | 47.0  | 46.3  | 46.2  | 48.3  | 49.1  | 52.3  | 55.1  | 56.3  | 56.8  |
| 73° | 47.9  | 44.6  | 42.9  | 42.2  | 42.1  | 44.1  | 44.9  | 48.0  | 50.6  | 51.9  | 52.4  |
| 74° | 43.7  | 40.5  | 38.9  | 38.2  | 38.1  | 40.0  | 40.8  | 43.8  | 46.2  | 47.5  | 48.1  |
| 75° | 39.7  | 36.7  | 35.1  | 34.3  | 34.3  | 36.0  | 36.9  | 39.6  | 42.0  | 43.2  | 43.9  |
| 76° | 35.8  | 32.9  | 31.3  | 30.6  | 30.5  | 32.2  | 33.0  | 35.6  | 37.9  | 39.2  | 39.7  |
| 77° | 32.0  | 29.2  | 27.7  | 27.0  | 27.0  | 28.5  | 29.4  | 31.8  | 33.9  | 35.2  | 35.7  |
| 78° | 28.4  | 25.7  | 24.3  | 23.6  | 23.5  | 24.9  | 25.8  | 28.1  | 30.1  | 31.3  | 31.9  |
| 79° | 24.9  | 22.4  | 21.0  | 20.3  | 20.2  | 21.5  | 22.4  | 24.6  | 26.4  | 27.6  | 28.2  |
| 80° | 21.6  | 19.2  | 17.9  | 17.2  | 17.2  | 18.3  | 19.2  | 21.2  | 22.9  | 24.0  | 24.6  |
| 81° | 18.4  | 16.3  | 15.0  | 14.3  | 14.3  | 15.3  | 16.1  | 18.0  | 19.6  | 20.6  | 21.2  |
| 82° | 15.5  | 13.5  | 12.3  | 11.7  | 11.6  | 12.5  | 13.3  | 15.0  | 16.4  | 17.5  | 18.0  |
| 83° | 12.7  | 10.9  | 9.8   | 9.3   | 9.1   | 9.9   | 10.1  | 12.2  | 13.5  | 14.5  | 15.0  |
| 84° | 10.1  | 8.6   | 7.7   | 7.2   | 7.0   | 7.5   | 7.2   | 9.5   | 10.8  | 11.7  | 12.2  |
| 85° | 7.5   | 6.6   | 5.9   | 5.4   | 5.2   | 5.4   | 5.1   | 7.1   | 8.4   | 9.3   | 9.7   |
| 86° | 5.2   | 4.7   | 4.2   | 3.8   | 3.6   | 3.6   | 3.4   | 5.1   | 6.4   | 7.1   | 7.4   |
| 87° | 3.3   | 2.9   | 2.7   | 2.2   | 2.1   | 2.2   | 1.6   | 3.3   | 4.7   | 5.3   | 5.6   |



TEST NUMBER: P710099  
CATALOG NUMBER: RA6LS9FSD2W1EWHDM-900lm-3500K

**CANDELA DISTRIBUTION (continued):**

|     | 0°  | 30° | 60° | 90° | 120° | 150° | 180° | 210° | 240° | 270° | 300° |
|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| 90° | 0.2 | 0.1 | 0.1 | 0.1 | 0.1  | 0.0  | 0.0  | 0.0  | 0.2  | 0.8  | 1.0  |





TEST NUMBER: P710099

CATALOG NUMBER: RA6LS9FSD2W1EWHDM-900lm-3500K

**CANDELA DISTRIBUTION (continued):**

|     | 330°  | 360°  |
|-----|-------|-------|
| 0°  | 459.1 | 459.1 |
| 1°  | 458.9 | 458.7 |
| 2°  | 458.2 | 458.0 |
| 3°  | 457.6 | 457.1 |
| 4°  | 456.5 | 455.9 |
| 5°  | 455.1 | 454.3 |
| 6°  | 453.6 | 452.7 |
| 7°  | 451.7 | 450.7 |
| 8°  | 449.6 | 448.5 |
| 9°  | 447.3 | 445.9 |
| 10° | 444.7 | 443.2 |
| 11° | 442.0 | 440.3 |
| 12° | 438.9 | 437.1 |
| 13° | 435.5 | 433.6 |
| 14° | 431.9 | 430.0 |
| 15° | 428.1 | 426.0 |
| 16° | 424.0 | 421.9 |
| 17° | 419.6 | 417.3 |
| 18° | 415.0 | 412.6 |
| 19° | 410.1 | 407.6 |
| 20° | 404.9 | 402.3 |
| 21° | 399.4 | 396.8 |
| 22° | 393.8 | 390.9 |
| 23° | 388.0 | 385.1 |
| 24° | 381.8 | 378.7 |
| 25° | 375.4 | 372.3 |
| 26° | 368.8 | 365.7 |
| 27° | 362.0 | 358.8 |
| 28° | 355.2 | 351.8 |
| 29° | 348.0 | 344.6 |
| 30° | 340.6 | 337.3 |
| 31° | 333.2 | 329.8 |
| 32° | 325.6 | 322.2 |
| 33° | 317.9 | 314.4 |
| 34° | 310.1 | 306.8 |
| 35° | 302.2 | 298.7 |
| 36° | 294.1 | 290.6 |
| 37° | 286.2 | 282.7 |
| 38° | 278.0 | 274.5 |
| 39° | 269.8 | 266.2 |
| 40° | 261.6 | 258.0 |
| 41° | 253.2 | 249.7 |
| 42° | 244.9 | 241.4 |



TEST NUMBER: P710099

CATALOG NUMBER: RA6LS9FSD2W1EWHDM-900lm-3500K

**CANDELA DISTRIBUTION (continued):**

|     | 330°  | 360°  |
|-----|-------|-------|
| 45° | 220.2 | 216.8 |
| 46° | 212.1 | 208.8 |
| 47° | 204.2 | 201.0 |
| 48° | 196.3 | 193.2 |
| 49° | 188.6 | 185.8 |
| 50° | 181.0 | 178.4 |
| 51° | 173.7 | 171.0 |
| 52° | 166.5 | 163.9 |
| 53° | 159.5 | 157.0 |
| 54° | 152.5 | 150.1 |
| 55° | 145.9 | 143.5 |
| 56° | 139.3 | 136.9 |
| 57° | 132.8 | 130.6 |
| 58° | 126.7 | 124.4 |
| 59° | 120.5 | 118.4 |
| 60° | 114.6 | 112.5 |
| 61° | 108.8 | 106.8 |
| 62° | 103.1 | 101.2 |
| 63° | 97.7  | 95.8  |
| 64° | 92.6  | 90.4  |
| 65° | 87.5  | 85.2  |
| 66° | 82.5  | 80.2  |
| 67° | 77.5  | 75.1  |
| 68° | 72.7  | 70.3  |
| 69° | 67.9  | 65.6  |
| 70° | 63.3  | 61.0  |
| 71° | 58.7  | 56.5  |
| 72° | 54.3  | 52.1  |
| 73° | 50.0  | 47.9  |
| 74° | 45.8  | 43.7  |
| 75° | 41.7  | 39.7  |
| 76° | 37.8  | 35.8  |
| 77° | 33.9  | 32.0  |
| 78° | 30.2  | 28.4  |
| 79° | 26.6  | 24.9  |
| 80° | 23.2  | 21.6  |
| 81° | 19.9  | 18.4  |
| 82° | 16.9  | 15.5  |
| 83° | 14.0  | 12.7  |
| 84° | 11.3  | 10.1  |
| 85° | 8.8   | 7.5   |
| 86° | 6.7   | 5.2   |
| 87° | 4.7   | 3.3   |



TEST NUMBER: P710099

CATALOG NUMBER: RA6LS9FSD2W1EWHDM-900lm-3500K

**CANDELA DISTRIBUTION (continued):**

|     |      |      |
|-----|------|------|
|     | 330° | 360° |
| 90° | 0.5  | 0.2  |

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°    - - 45°-225°    - - - - 90°-270°    - · - 135°-315°

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report







|     |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 43° | 233.1 | 226.0 | 223.2 | 222.7 | 222.8 | 228.2 | 229.2 | 237.6 | 242.9 | 242.4 | 242.4 |
| 44° | 224.9 | 218.0 | 215.1 | 214.6 | 214.6 | 220.1 | 220.7 | 229.1 | 234.3 | 234.2 | 234.1 |



|     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 88° | 1.6 | 1.5 | 1.4 | 0.9 | 0.8 | 1.2 | 0.6 | 1.8 | 3.2 | 3.8 | 3.9 |
| 89° | 0.5 | 0.4 | 0.3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.8 | 1.7 | 2.2 | 2.3 |

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Scaled Data Report





|     |       |       |
|-----|-------|-------|
| 43° | 236.5 | 233.1 |
| 44° | 228.3 | 224.9 |

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Peachtree City, GA 30269

Scaled Data Report



|     |     |     |
|-----|-----|-----|
| 88° | 2.9 | 1.6 |
| 89° | 1.4 | 0.5 |

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

Scaled Data Report



(END OF REPORT)