Signify Classified - Internal

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

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: P1596610

Luminaire Tested: HLB2SLSFS5-MED-3500K

Issue Date: 10/7/2026

Report Generated By 670265710 / DESKTOP-98SHLC4

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

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | P1596610 |
| | TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ( A2600263B001) |
| Test Lab: | COOPER LIGHTING SOLUTIONS |
| Issue Date: | 10/7/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | HALO |
| | |
| Catalog Number: | HLB2SLSFS5-MED-3500K |
| Description: | HLB2 2" SQUARE SLIM LOW GLARE CANLESS LED DOWNLIGHT |
| Light Source: | 3500K CCT, 90 CRI LEDS |
| Ballast/Driver: | - |

**Summary**

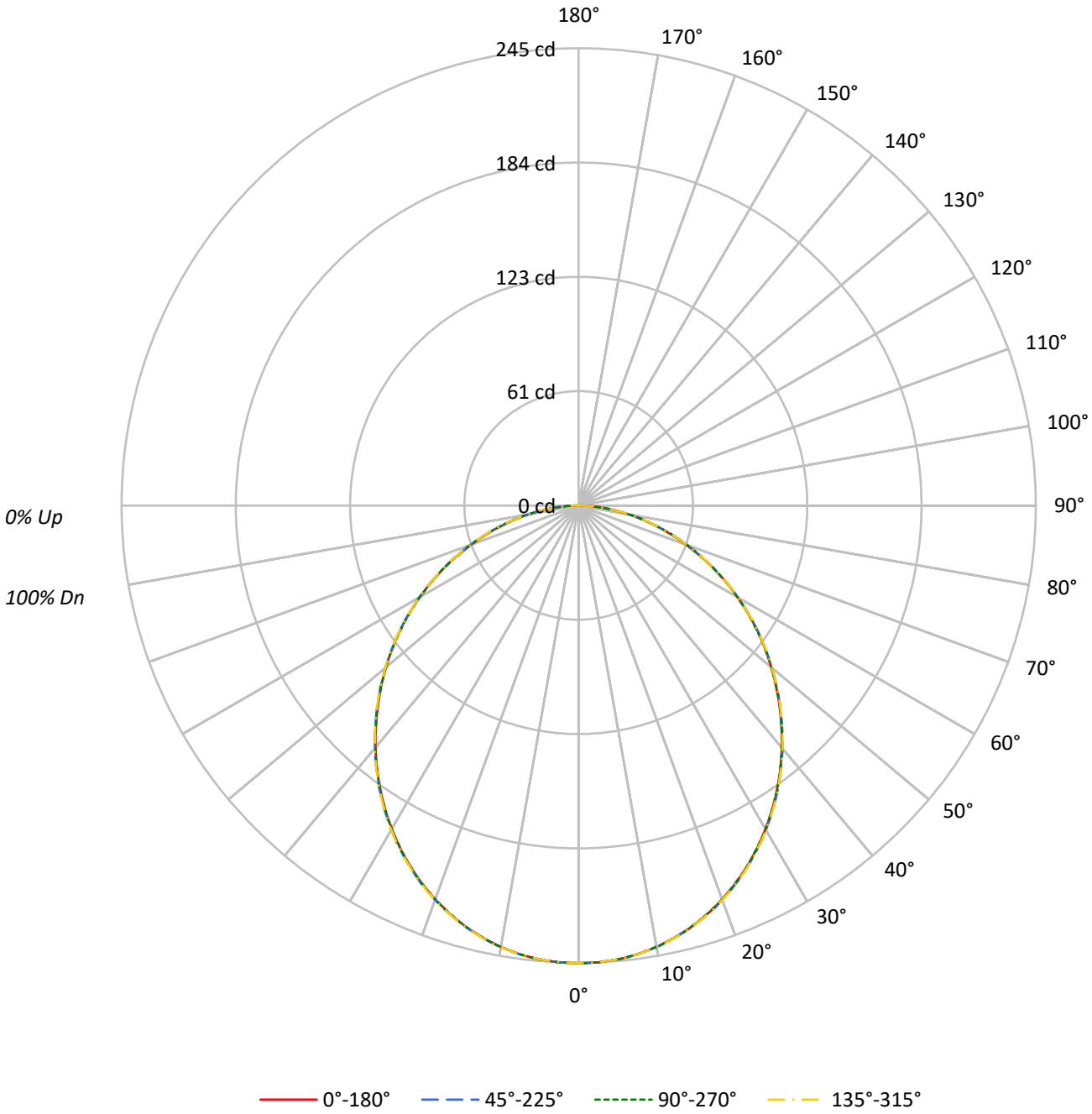
| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 665.0 lumens |
| Efficiency: | N/A |
| Efficacy: | 100.8 lumens/watt |
| Spacing Criteria (0/90/45): | 1.22 / 1.22 / 1.33 |
| Luminous Opening: | Rectangular (W 0.09' x L: 0.09' x H: 0') |
| CIE Type: | Direct |
| | |
| Input Watts (W): | 6.6 |
| Input Voltage (V): | 120 |
| 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 |

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## Luminous Intensity Polar Plot



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## COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| RF | 20 | | | | 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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 109 | 104 | 100 | 96 | 106 | 102 | 98 | 94 | 97 | 94 | 91 | 93 | 91 | 88 | 90 | 88 | 86 | 84 |
| 2 | 99 | 91 | 84 | 78 | 96 | 89 | 82 | 77 | 85 | 80 | 75 | 82 | 77 | 74 | 79 | 75 | 72 | 70 |
| 3 | 90 | 80 | 72 | 65 | 88 | 78 | 71 | 64 | 75 | 69 | 63 | 72 | 67 | 62 | 70 | 65 | 61 | 59 |
| 4 | 83 | 71 | 62 | 55 | 80 | 69 | 61 | 55 | 67 | 60 | 54 | 64 | 58 | 53 | 62 | 57 | 53 | 50 |
| 5 | 76 | 63 | 54 | 48 | 74 | 62 | 54 | 47 | 60 | 52 | 47 | 58 | 51 | 46 | 56 | 50 | 46 | 44 |
| 6 | 70 | 57 | 48 | 42 | 68 | 56 | 48 | 41 | 54 | 47 | 41 | 52 | 46 | 41 | 51 | 45 | 40 | 38 |
| 7 | 65 | 52 | 43 | 37 | 63 | 51 | 43 | 37 | 49 | 42 | 36 | 48 | 41 | 36 | 46 | 40 | 36 | 34 |
| 8 | 61 | 47 | 39 | 33 | 59 | 46 | 38 | 33 | 45 | 38 | 33 | 44 | 37 | 32 | 43 | 37 | 32 | 30 |
| 9 | 57 | 43 | 35 | 30 | 55 | 43 | 35 | 30 | 42 | 34 | 29 | 40 | 34 | 29 | 39 | 33 | 29 | 27 |
| 10 | 53 | 40 | 32 | 27 | 52 | 39 | 32 | 27 | 38 | 31 | 27 | 38 | 31 | 27 | 37 | 31 | 26 | 25 |

## AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|---|---|---|---|---|
| 0° | 325974 | 325974 | 325974 | 325974 |
| 5° | 325618 | 325618 | 325618 | 325618 |
| 10° | 324256 | 323986 | 324256 | 323986 |
| 15° | 321514 | 321377 | 321514 | 321377 |
| 20° | 317621 | 317762 | 317621 | 317762 |
| 25° | 312899 | 312752 | 312899 | 312752 |
| 30° | 307198 | 307198 | 307198 | 307198 |
| 35° | 300767 | 300929 | 300767 | 300929 |
| 40° | 293689 | 293863 | 293689 | 293863 |
| 45° | 286032 | 286408 | 286032 | 286408 |
| 50° | 278474 | 278681 | 278474 | 278681 |
| 55° | 270606 | 270142 | 270606 | 270142 |
| 60° | 261523 | 261257 | 261523 | 261257 |
| 65° | 250294 | 251552 | 250294 | 251552 |
| 70° | 237008 | 239728 | 237008 | 239728 |
| 75° | 222833 | 226427 | 222833 | 226427 |
| 80° | 205858 | 208154 | 205858 | 208154 |
| 85° | 170768 | 172293 | 170768 | 172293 |

## MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 287160 cd/sqm

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**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 23.2 | 3.5 |
| 10°-20° | 65.9 | 9.9 |
| 20°-30° | 98.4 | 14.8 |
| 30°-40° | 116.2 | 17.5 |
| 40°-50° | 117.8 | 17.7 |
| 50°-60° | 104.6 | 15.7 |
| 60°-70° | 79.1 | 11.9 |
| 70°-80° | 46.4 | 7.0 |
| 80°-90° | 12.9 | 1.9 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.1 | 0.0 |
| 110°-120° | 0.1 | 0.0 |
| 120°-130° | 0.1 | 0.0 |
| 130°-140° | 0.1 | 0.0 |
| 140°-150° | 0.1 | 0.0 |
| 150°-160° | 0.1 | 0.0 |
| 160°-170° | 0.1 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 187.5 | 28.2 |
| 0°-40° | 303.7 | 45.7 |
| 0°-60° | 526.0 | 79.1 |
| 0°-90° | 664.4 | 99.9 |
| 90°-120° | 0.2 | 0.0 |
| 90°-150° | 0.4 | 0.1 |
| 90°-180° | 1.0 | 0.2 |
| 0°-180° | 665.0 | 100.0 |

**CANDELA DISTRIBUTION:**

| | 0° | 90° | 180° | 270° | 360° | Flux |
|---|---|---|---|---|---|---|
| 0° | 245 | 245 | 245 | 245 | 245 | |
| 5° | 244 | 244 | 244 | 244 | 244 | 23 |
| 15° | 234 | 234 | 234 | 234 | 234 | 66 |
| 25° | 213 | 213 | 213 | 213 | 213 | 98 |
| 35° | 185 | 186 | 185 | 186 | 185 | 116 |
| 45° | 152 | 152 | 152 | 152 | 152 | 117 |
| 55° | 117 | 117 | 117 | 117 | 117 | 104 |
| 65° | 80 | 80 | 80 | 80 | 80 | 79 |
| 75° | 43 | 44 | 43 | 44 | 43 | 46 |
| 85° | 11 | 11 | 11 | 11 | 11 | 12 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |
| 95° | 0 | 0 | 0 | 0 | 0 | 0 |
| 105° | 0 | 0 | 0 | 0 | 0 | 0 |
| 115° | 0 | 0 | 0 | 0 | 0 | 0 |
| 125° | 0 | 0 | 0 | 0 | 0 | 0 |
| 135° | 0 | 0 | 0 | 0 | 0 | 0 |
| 145° | 0 | 0 | 0 | 0 | 0 | 0 |
| 155° | 0 | 0 | 0 | 0 | 0 | 0 |
| 165° | 0 | 0 | 0 | 0 | 0 | 0 |
| 175° | 0 | 0 | 0 | 0 | 0 | 0 |
| 180° | 0 | 0 | 0 | 0 | 0 | |

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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 245.3 | 245.3 | 245.3 | 245.3 | 245.3 | 245.3 | 245.3 | 245.3 | 245.3 | 245.3 | 245.3 |
| 0.5° | 245.3 | 245.3 | 245.3 | 245.3 | 245.3 | 245.3 | 245.3 | 245.3 | 245.3 | 245.3 | 245.3 |
| 1° | 245.3 | 245.3 | 245.2 | 245.3 | 245.3 | 245.3 | 245.2 | 245.3 | 245.3 | 245.3 | 245.2 |
| 1.5° | 245.2 | 245.2 | 245.2 | 245.1 | 245.2 | 245.1 | 245.2 | 245.2 | 245.2 | 245.2 | 245.2 |
| 2° | 245.1 | 245.1 | 245.1 | 245.0 | 245.1 | 245.0 | 245.1 | 245.1 | 245.1 | 245.1 | 245.1 |
| 2.5° | 245.1 | 245.1 | 245.0 | 245.0 | 245.0 | 245.0 | 245.0 | 245.1 | 245.1 | 245.1 | 245.0 |
| 3° | 244.9 | 244.9 | 244.8 | 244.9 | 244.9 | 244.9 | 244.8 | 244.9 | 244.9 | 244.9 | 244.8 |
| 3.5° | 244.7 | 244.7 | 244.7 | 244.7 | 244.7 | 244.7 | 244.7 | 244.7 | 244.7 | 244.7 | 244.7 |
| 4° | 244.5 | 244.5 | 244.5 | 244.5 | 244.5 | 244.5 | 244.5 | 244.5 | 244.5 | 244.5 | 244.5 |
| 4.5° | 244.3 | 244.4 | 244.3 | 244.3 | 244.3 | 244.3 | 244.3 | 244.4 | 244.3 | 244.4 | 244.3 |
| 5° | 244.1 | 244.2 | 244.1 | 244.1 | 244.1 | 244.1 | 244.1 | 244.2 | 244.1 | 244.2 | 244.1 |
| 5.5° | 243.9 | 243.8 | 243.8 | 243.8 | 243.8 | 243.8 | 243.8 | 243.8 | 243.9 | 243.8 | 243.8 |
| 6° | 243.6 | 243.5 | 243.5 | 243.5 | 243.5 | 243.5 | 243.5 | 243.5 | 243.6 | 243.5 | 243.5 |
| 6.5° | 243.2 | 243.2 | 243.2 | 243.2 | 243.2 | 243.2 | 243.2 | 243.2 | 243.2 | 243.2 | 243.2 |
| 7° | 242.9 | 242.9 | 242.9 | 242.8 | 242.9 | 242.8 | 242.9 | 242.9 | 242.9 | 242.9 | 242.9 |
| 7.5° | 242.5 | 242.6 | 242.6 | 242.5 | 242.5 | 242.5 | 242.6 | 242.6 | 242.5 | 242.6 | 242.6 |
| 8° | 242.1 | 242.2 | 242.1 | 242.1 | 242.0 | 242.1 | 242.1 | 242.2 | 242.1 | 242.2 | 242.1 |
| 8.5° | 241.6 | 241.7 | 241.7 | 241.7 | 241.7 | 241.7 | 241.7 | 241.7 | 241.6 | 241.7 | 241.7 |
| 9° | 241.2 | 241.3 | 241.2 | 241.2 | 241.2 | 241.2 | 241.2 | 241.3 | 241.2 | 241.3 | 241.2 |
| 9.5° | 240.8 | 240.8 | 240.8 | 240.7 | 240.6 | 240.7 | 240.8 | 240.8 | 240.8 | 240.8 | 240.8 |
| 10° | 240.3 | 240.3 | 240.3 | 240.2 | 240.1 | 240.2 | 240.3 | 240.3 | 240.3 | 240.3 | 240.3 |
| 10.5° | 239.7 | 239.8 | 239.7 | 239.7 | 239.7 | 239.7 | 239.7 | 239.8 | 239.7 | 239.8 | 239.7 |
| 11° | 239.0 | 239.3 | 239.2 | 239.2 | 239.1 | 239.2 | 239.2 | 239.3 | 239.0 | 239.3 | 239.2 |
| 11.5° | 238.5 | 238.6 | 238.6 | 238.6 | 238.5 | 238.6 | 238.6 | 238.6 | 238.5 | 238.6 | 238.6 |
| 12° | 237.9 | 238.0 | 238.0 | 237.9 | 237.9 | 237.9 | 238.0 | 238.0 | 237.9 | 238.0 | 238.0 |
| 12.5° | 237.3 | 237.4 | 237.4 | 237.4 | 237.2 | 237.4 | 237.4 | 237.4 | 237.3 | 237.4 | 237.4 |
| 13° | 236.6 | 236.8 | 236.8 | 236.7 | 236.6 | 236.7 | 236.8 | 236.8 | 236.6 | 236.8 | 236.8 |
| 13.5° | 235.8 | 236.0 | 236.1 | 236.0 | 235.9 | 236.0 | 236.1 | 236.0 | 235.8 | 236.0 | 236.1 |
| 14° | 235.1 | 235.3 | 235.3 | 235.3 | 235.2 | 235.3 | 235.3 | 235.3 | 235.1 | 235.3 | 235.3 |
| 14.5° | 234.5 | 234.5 | 234.6 | 234.6 | 234.4 | 234.6 | 234.6 | 234.5 | 234.5 | 234.5 | 234.6 |
| 15° | 233.7 | 233.8 | 233.9 | 233.8 | 233.6 | 233.8 | 233.9 | 233.8 | 233.7 | 233.8 | 233.9 |
| 15.5° | 232.8 | 233.0 | 233.1 | 233.0 | 232.8 | 233.0 | 233.1 | 233.0 | 232.8 | 233.0 | 233.1 |
| 16° | 232.0 | 232.2 | 232.2 | 232.2 | 232.0 | 232.2 | 232.2 | 232.2 | 232.0 | 232.2 | 232.2 |
| 16.5° | 231.2 | 231.4 | 231.4 | 231.4 | 231.2 | 231.4 | 231.4 | 231.4 | 231.2 | 231.4 | 231.4 |
| 17° | 230.3 | 230.5 | 230.6 | 230.5 | 230.3 | 230.5 | 230.6 | 230.5 | 230.3 | 230.5 | 230.6 |
| 17.5° | 229.5 | 229.6 | 229.7 | 229.6 | 229.4 | 229.6 | 229.7 | 229.6 | 229.5 | 229.6 | 229.7 |
| 18° | 228.6 | 228.7 | 228.8 | 228.7 | 228.5 | 228.7 | 228.8 | 228.7 | 228.6 | 228.7 | 228.8 |
| 18.5° | 227.5 | 227.8 | 227.9 | 227.8 | 227.6 | 227.8 | 227.9 | 227.8 | 227.5 | 227.8 | 227.9 |
| 19° | 226.6 | 226.8 | 227.0 | 226.9 | 226.6 | 226.9 | 227.0 | 226.8 | 226.6 | 226.8 | 227.0 |
| 19.5° | 225.6 | 225.8 | 226.0 | 225.9 | 225.6 | 225.9 | 226.0 | 225.8 | 225.6 | 225.8 | 226.0 |
| 20° | 224.6 | 224.8 | 225.0 | 224.9 | 224.7 | 224.9 | 225.0 | 224.8 | 224.6 | 224.8 | 225.0 |
| 20.5° | 223.7 | 223.8 | 223.9 | 223.9 | 223.6 | 223.9 | 223.9 | 223.8 | 223.7 | 223.8 | 223.9 |
| 21° | 222.5 | 222.8 | 222.9 | 222.8 | 222.6 | 222.8 | 222.9 | 222.8 | 222.5 | 222.8 | 222.9 |
| 21.5° | 221.5 | 221.7 | 221.9 | 221.7 | 221.5 | 221.7 | 221.9 | 221.7 | 221.5 | 221.7 | 221.9 |
| 22° | 220.4 | 220.6 | 220.7 | 220.6 | 220.4 | 220.6 | 220.7 | 220.6 | 220.4 | 220.6 | 220.7 |

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**CANDELA DISTRIBUTION (continued):**

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 22.5° | 219.3 | 219.5 | 219.7 | 219.6 | 219.3 | 219.6 | 219.7 | 219.5 | 219.3 | 219.5 | 219.7 |
| 23° | 218.1 | 218.4 | 218.6 | 218.4 | 218.1 | 218.4 | 218.6 | 218.4 | 218.1 | 218.4 | 218.6 |
| 23.5° | 217.0 | 217.3 | 217.4 | 217.3 | 217.0 | 217.3 | 217.4 | 217.3 | 217.0 | 217.3 | 217.4 |
| 24° | 215.8 | 216.1 | 216.2 | 216.1 | 215.8 | 216.1 | 216.2 | 216.1 | 215.8 | 216.1 | 216.2 |
| 24.5° | 214.6 | 214.9 | 215.0 | 214.9 | 214.6 | 214.9 | 215.0 | 214.9 | 214.6 | 214.9 | 215.0 |
| 25° | 213.4 | 213.7 | 213.8 | 213.8 | 213.3 | 213.8 | 213.8 | 213.7 | 213.4 | 213.7 | 213.8 |
| 25.5° | 212.2 | 212.4 | 212.6 | 212.5 | 212.2 | 212.5 | 212.6 | 212.4 | 212.2 | 212.4 | 212.6 |
| 26° | 210.9 | 211.2 | 211.4 | 211.3 | 210.9 | 211.3 | 211.4 | 211.2 | 210.9 | 211.2 | 211.4 |
| 26.5° | 209.6 | 209.9 | 210.1 | 210.0 | 209.7 | 210.0 | 210.1 | 209.9 | 209.6 | 209.9 | 210.1 |
| 27° | 208.3 | 208.7 | 208.8 | 208.8 | 208.3 | 208.8 | 208.8 | 208.7 | 208.3 | 208.7 | 208.8 |
| 27.5° | 207.1 | 207.4 | 207.5 | 207.4 | 207.0 | 207.4 | 207.5 | 207.4 | 207.1 | 207.4 | 207.5 |
| 28° | 205.7 | 206.0 | 206.2 | 206.0 | 205.7 | 206.0 | 206.2 | 206.0 | 205.7 | 206.0 | 206.2 |
| 28.5° | 204.3 | 204.7 | 204.9 | 204.7 | 204.4 | 204.7 | 204.9 | 204.7 | 204.3 | 204.7 | 204.9 |
| 29° | 203.0 | 203.3 | 203.5 | 203.4 | 203.0 | 203.4 | 203.5 | 203.3 | 203.0 | 203.3 | 203.5 |
| 29.5° | 201.6 | 201.9 | 202.1 | 202.1 | 201.7 | 202.1 | 202.1 | 201.9 | 201.6 | 201.9 | 202.1 |
| 30° | 200.2 | 200.6 | 200.7 | 200.7 | 200.2 | 200.7 | 200.7 | 200.6 | 200.2 | 200.6 | 200.7 |
| 30.5° | 198.8 | 199.2 | 199.4 | 199.2 | 198.9 | 199.2 | 199.4 | 199.2 | 198.8 | 199.2 | 199.4 |
| 31° | 197.4 | 197.7 | 197.9 | 197.8 | 197.5 | 197.8 | 197.9 | 197.7 | 197.4 | 197.7 | 197.9 |
| 31.5° | 195.9 | 196.3 | 196.5 | 196.4 | 196.1 | 196.4 | 196.5 | 196.3 | 195.9 | 196.3 | 196.5 |
| 32° | 194.5 | 194.9 | 195.0 | 195.0 | 194.5 | 195.0 | 195.0 | 194.9 | 194.5 | 194.9 | 195.0 |
| 32.5° | 193.0 | 193.4 | 193.6 | 193.5 | 193.1 | 193.5 | 193.6 | 193.4 | 193.0 | 193.4 | 193.6 |
| 33° | 191.5 | 191.9 | 192.1 | 192.0 | 191.6 | 192.0 | 192.1 | 191.9 | 191.5 | 191.9 | 192.1 |
| 33.5° | 190.0 | 190.4 | 190.6 | 190.5 | 190.1 | 190.5 | 190.6 | 190.4 | 190.0 | 190.4 | 190.6 |
| 34° | 188.5 | 188.9 | 189.0 | 189.0 | 188.5 | 189.0 | 189.0 | 188.9 | 188.5 | 188.9 | 189.0 |
| 34.5° | 187.0 | 187.4 | 187.5 | 187.5 | 187.1 | 187.5 | 187.5 | 187.4 | 187.0 | 187.4 | 187.5 |
| 35° | 185.4 | 185.8 | 186.0 | 185.9 | 185.5 | 185.9 | 186.0 | 185.8 | 185.4 | 185.8 | 186.0 |
| 35.5° | 183.9 | 184.3 | 184.4 | 184.3 | 184.0 | 184.3 | 184.4 | 184.3 | 183.9 | 184.3 | 184.4 |
| 36° | 182.3 | 182.7 | 182.8 | 182.8 | 182.4 | 182.8 | 182.8 | 182.7 | 182.3 | 182.7 | 182.8 |
| 36.5° | 180.7 | 181.2 | 181.2 | 181.2 | 180.8 | 181.2 | 181.2 | 181.2 | 180.7 | 181.2 | 181.2 |
| 37° | 179.2 | 179.5 | 179.6 | 179.6 | 179.2 | 179.6 | 179.6 | 179.5 | 179.2 | 179.5 | 179.6 |
| 37.5° | 177.5 | 177.9 | 178.1 | 178.0 | 177.6 | 178.0 | 178.1 | 177.9 | 177.5 | 177.9 | 178.1 |
| 38° | 175.9 | 176.3 | 176.4 | 176.4 | 176.0 | 176.4 | 176.4 | 176.3 | 175.9 | 176.3 | 176.4 |
| 38.5° | 174.2 | 174.7 | 174.8 | 174.8 | 174.4 | 174.8 | 174.8 | 174.7 | 174.2 | 174.7 | 174.8 |
| 39° | 172.6 | 173.1 | 173.2 | 173.1 | 172.7 | 173.1 | 173.2 | 173.1 | 172.6 | 173.1 | 173.2 |
| 39.5° | 170.9 | 171.4 | 171.6 | 171.4 | 171.1 | 171.4 | 171.6 | 171.4 | 170.9 | 171.4 | 171.6 |
| 40° | 169.3 | 169.8 | 169.9 | 169.8 | 169.4 | 169.8 | 169.9 | 169.8 | 169.3 | 169.8 | 169.9 |
| 40.5° | 167.6 | 168.1 | 168.2 | 168.1 | 167.8 | 168.1 | 168.2 | 168.1 | 167.6 | 168.1 | 168.2 |
| 41° | 166.0 | 166.4 | 166.5 | 166.4 | 166.1 | 166.4 | 166.5 | 166.4 | 166.0 | 166.4 | 166.5 |
| 41.5° | 164.3 | 164.7 | 164.8 | 164.7 | 164.3 | 164.7 | 164.8 | 164.7 | 164.3 | 164.7 | 164.8 |
| 42° | 162.6 | 163.1 | 163.1 | 163.0 | 162.7 | 163.0 | 163.1 | 163.1 | 162.6 | 163.1 | 163.1 |
| 42.5° | 160.8 | 161.3 | 161.4 | 161.3 | 161.0 | 161.3 | 161.4 | 161.3 | 160.8 | 161.3 | 161.4 |
| 43° | 159.1 | 159.7 | 159.7 | 159.6 | 159.3 | 159.6 | 159.7 | 159.7 | 159.1 | 159.7 | 159.7 |
| 43.5° | 157.4 | 158.0 | 158.0 | 157.9 | 157.6 | 157.9 | 158.0 | 158.0 | 157.4 | 158.0 | 158.0 |
| 44° | 155.7 | 156.2 | 156.2 | 156.2 | 155.9 | 156.2 | 156.2 | 156.2 | 155.7 | 156.2 | 156.2 |
| 44.5° | 154.0 | 154.5 | 154.5 | 154.5 | 154.2 | 154.5 | 154.5 | 154.5 | 154.0 | 154.5 | 154.5 |

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CATALOG NUMBER: HLB2SLSFS5-MED-3500K

**CANDELA DISTRIBUTION (continued):**

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 45° | 152.2 | 152.8 | 152.8 | 152.7 | 152.4 | 152.7 | 152.8 | 152.8 | 152.2 | 152.8 | 152.8 |
| 45.5° | 150.5 | 151.0 | 151.1 | 151.0 | 150.7 | 151.0 | 151.1 | 151.0 | 150.5 | 151.0 | 151.1 |
| 46° | 148.8 | 149.3 | 149.3 | 149.3 | 149.0 | 149.3 | 149.3 | 149.3 | 148.8 | 149.3 | 149.3 |
| 46.5° | 147.0 | 147.5 | 147.6 | 147.5 | 147.2 | 147.5 | 147.6 | 147.5 | 147.0 | 147.5 | 147.6 |
| 47° | 145.2 | 145.8 | 145.8 | 145.7 | 145.4 | 145.7 | 145.8 | 145.8 | 145.2 | 145.8 | 145.8 |
| 47.5° | 143.5 | 144.0 | 144.1 | 143.9 | 143.7 | 143.9 | 144.1 | 144.0 | 143.5 | 144.0 | 144.1 |
| 48° | 141.8 | 142.3 | 142.3 | 142.3 | 141.9 | 142.3 | 142.3 | 142.3 | 141.8 | 142.3 | 142.3 |
| 48.5° | 140.0 | 140.5 | 140.5 | 140.4 | 140.1 | 140.4 | 140.5 | 140.5 | 140.0 | 140.5 | 140.5 |
| 49° | 138.3 | 138.7 | 138.7 | 138.7 | 138.3 | 138.7 | 138.7 | 138.7 | 138.3 | 138.7 | 138.7 |
| 49.5° | 136.5 | 136.9 | 137.0 | 136.9 | 136.6 | 136.9 | 137.0 | 136.9 | 136.5 | 136.9 | 137.0 |
| 50° | 134.7 | 135.1 | 135.2 | 135.2 | 134.8 | 135.2 | 135.2 | 135.1 | 134.7 | 135.1 | 135.2 |
| 50.5° | 133.0 | 133.3 | 133.4 | 133.4 | 133.0 | 133.4 | 133.4 | 133.3 | 133.0 | 133.3 | 133.4 |
| 51° | 131.3 | 131.5 | 131.6 | 131.6 | 131.2 | 131.6 | 131.6 | 131.5 | 131.3 | 131.5 | 131.6 |
| 51.5° | 129.5 | 129.7 | 129.8 | 129.8 | 129.4 | 129.8 | 129.8 | 129.7 | 129.5 | 129.7 | 129.8 |
| 52° | 127.7 | 127.9 | 128.0 | 128.1 | 127.6 | 128.1 | 128.0 | 127.9 | 127.7 | 127.9 | 128.0 |
| 52.5° | 125.9 | 126.1 | 126.2 | 126.2 | 125.7 | 126.2 | 126.2 | 126.1 | 125.9 | 126.1 | 126.2 |
| 53° | 124.1 | 124.2 | 124.3 | 124.5 | 123.9 | 124.5 | 124.3 | 124.2 | 124.1 | 124.2 | 124.3 |
| 53.5° | 122.3 | 122.4 | 122.5 | 122.7 | 122.1 | 122.7 | 122.5 | 122.4 | 122.3 | 122.4 | 122.5 |
| 54° | 120.5 | 120.5 | 120.7 | 120.9 | 120.3 | 120.9 | 120.7 | 120.5 | 120.5 | 120.5 | 120.7 |
| 54.5° | 118.7 | 118.7 | 118.9 | 119.1 | 118.4 | 119.1 | 118.9 | 118.7 | 118.7 | 118.7 | 118.9 |
| 55° | 116.8 | 116.9 | 117.1 | 117.2 | 116.6 | 117.2 | 117.1 | 116.9 | 116.8 | 116.9 | 117.1 |
| 55.5° | 115.0 | 115.1 | 115.2 | 115.4 | 114.7 | 115.4 | 115.2 | 115.1 | 115.0 | 115.1 | 115.2 |
| 56° | 113.2 | 113.2 | 113.4 | 113.6 | 112.9 | 113.6 | 113.4 | 113.2 | 113.2 | 113.2 | 113.4 |
| 56.5° | 111.4 | 111.4 | 111.6 | 111.7 | 111.1 | 111.7 | 111.6 | 111.4 | 111.4 | 111.4 | 111.6 |
| 57° | 109.5 | 109.5 | 109.7 | 109.9 | 109.2 | 109.9 | 109.7 | 109.5 | 109.5 | 109.5 | 109.7 |
| 57.5° | 107.6 | 107.7 | 107.8 | 108.0 | 107.4 | 108.0 | 107.8 | 107.7 | 107.6 | 107.7 | 107.8 |
| 58° | 105.8 | 105.8 | 106.0 | 106.2 | 105.6 | 106.2 | 106.0 | 105.8 | 105.8 | 105.8 | 106.0 |
| 58.5° | 104.0 | 104.0 | 104.2 | 104.3 | 103.8 | 104.3 | 104.2 | 104.0 | 104.0 | 104.0 | 104.2 |
| 59° | 102.1 | 102.2 | 102.3 | 102.4 | 101.9 | 102.4 | 102.3 | 102.2 | 102.1 | 102.2 | 102.3 |
| 59.5° | 100.2 | 100.3 | 100.4 | 100.6 | 100.1 | 100.6 | 100.4 | 100.3 | 100.2 | 100.3 | 100.4 |
| 60° | 98.4 | 98.4 | 98.6 | 98.7 | 98.3 | 98.7 | 98.6 | 98.4 | 98.4 | 98.4 | 98.6 |
| 60.5° | 96.5 | 96.6 | 96.7 | 96.8 | 96.5 | 96.8 | 96.7 | 96.6 | 96.5 | 96.6 | 96.7 |
| 61° | 94.6 | 94.8 | 94.9 | 95.0 | 94.6 | 95.0 | 94.9 | 94.8 | 94.6 | 94.8 | 94.9 |
| 61.5° | 92.8 | 92.9 | 93.0 | 93.1 | 92.8 | 93.1 | 93.0 | 92.9 | 92.8 | 92.9 | 93.0 |
| 62° | 90.9 | 91.1 | 91.1 | 91.3 | 91.0 | 91.3 | 91.1 | 91.1 | 90.9 | 91.1 | 91.1 |
| 62.5° | 89.0 | 89.2 | 89.3 | 89.4 | 89.2 | 89.4 | 89.3 | 89.2 | 89.0 | 89.2 | 89.3 |
| 63° | 87.1 | 87.4 | 87.4 | 87.5 | 87.3 | 87.5 | 87.4 | 87.4 | 87.1 | 87.4 | 87.4 |
| 63.5° | 85.2 | 85.5 | 85.5 | 85.6 | 85.5 | 85.6 | 85.5 | 85.5 | 85.2 | 85.5 | 85.5 |
| 64° | 83.4 | 83.7 | 83.6 | 83.7 | 83.6 | 83.7 | 83.6 | 83.7 | 83.4 | 83.7 | 83.6 |
| 64.5° | 81.5 | 81.9 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.9 | 81.5 | 81.9 | 81.8 |
| 65° | 79.6 | 80.0 | 79.9 | 80.0 | 80.0 | 80.0 | 79.9 | 80.0 | 79.6 | 80.0 | 79.9 |
| 65.5° | 77.7 | 78.2 | 78.1 | 78.1 | 78.2 | 78.1 | 78.1 | 78.2 | 77.7 | 78.2 | 78.1 |
| 66° | 75.9 | 76.3 | 76.2 | 76.2 | 76.3 | 76.2 | 76.2 | 76.3 | 75.9 | 76.3 | 76.2 |
| 66.5° | 74.0 | 74.4 | 74.3 | 74.3 | 74.5 | 74.3 | 74.3 | 74.4 | 74.0 | 74.4 | 74.3 |
| 67° | 72.1 | 72.6 | 72.5 | 72.5 | 72.7 | 72.5 | 72.5 | 72.6 | 72.1 | 72.6 | 72.5 |

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

Scaled Data Report

TEST NUMBER: P1596610
CATALOG NUMBER: HLB2SLSFS5-MED-3500K

**CANDELA DISTRIBUTION (continued):**

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 67.5° | 70.2 | 70.7 | 70.7 | 70.6 | 70.9 | 70.6 | 70.7 | 70.7 | 70.2 | 70.7 | 70.7 |
| 68° | 68.4 | 68.9 | 68.8 | 68.7 | 69.0 | 68.7 | 68.8 | 68.9 | 68.4 | 68.9 | 68.8 |
| 68.5° | 66.5 | 67.1 | 67.0 | 66.9 | 67.2 | 66.9 | 67.0 | 67.1 | 66.5 | 67.1 | 67.0 |
| 69° | 64.7 | 65.3 | 65.2 | 65.0 | 65.4 | 65.0 | 65.2 | 65.3 | 64.7 | 65.3 | 65.2 |
| 69.5° | 62.9 | 63.4 | 63.3 | 63.2 | 63.6 | 63.2 | 63.3 | 63.4 | 62.9 | 63.4 | 63.3 |
| 70° | 61.0 | 61.6 | 61.5 | 61.4 | 61.7 | 61.4 | 61.5 | 61.6 | 61.0 | 61.6 | 61.5 |
| 70.5° | 59.2 | 59.8 | 59.7 | 59.6 | 60.0 | 59.6 | 59.7 | 59.8 | 59.2 | 59.8 | 59.7 |
| 71° | 57.4 | 58.1 | 57.9 | 57.8 | 58.2 | 57.8 | 57.9 | 58.1 | 57.4 | 58.1 | 57.9 |
| 71.5° | 55.6 | 56.3 | 56.1 | 56.0 | 56.4 | 56.0 | 56.1 | 56.3 | 55.6 | 56.3 | 56.1 |
| 72° | 53.8 | 54.5 | 54.4 | 54.2 | 54.6 | 54.2 | 54.4 | 54.5 | 53.8 | 54.5 | 54.4 |
| 72.5° | 52.1 | 52.7 | 52.6 | 52.4 | 52.8 | 52.4 | 52.6 | 52.7 | 52.1 | 52.7 | 52.6 |
| 73° | 50.3 | 51.0 | 50.9 | 50.7 | 51.1 | 50.7 | 50.9 | 51.0 | 50.3 | 51.0 | 50.9 |
| 73.5° | 48.6 | 49.2 | 49.1 | 48.9 | 49.3 | 48.9 | 49.1 | 49.2 | 48.6 | 49.2 | 49.1 |
| 74° | 46.9 | 47.5 | 47.4 | 47.2 | 47.6 | 47.2 | 47.4 | 47.5 | 46.9 | 47.5 | 47.4 |
| 74.5° | 45.1 | 45.8 | 45.7 | 45.5 | 45.9 | 45.5 | 45.7 | 45.8 | 45.1 | 45.8 | 45.7 |
| 75° | 43.4 | 44.0 | 44.0 | 43.8 | 44.1 | 43.8 | 44.0 | 44.0 | 43.4 | 44.0 | 44.0 |
| 75.5° | 41.7 | 42.3 | 42.2 | 42.1 | 42.4 | 42.1 | 42.2 | 42.3 | 41.7 | 42.3 | 42.2 |
| 76° | 40.1 | 40.6 | 40.5 | 40.4 | 40.7 | 40.4 | 40.5 | 40.6 | 40.1 | 40.6 | 40.5 |
| 76.5° | 38.4 | 38.9 | 38.8 | 38.7 | 39.0 | 38.7 | 38.8 | 38.9 | 38.4 | 38.9 | 38.8 |
| 77° | 36.7 | 37.2 | 37.1 | 37.0 | 37.3 | 37.0 | 37.1 | 37.2 | 36.7 | 37.2 | 37.1 |
| 77.5° | 35.1 | 35.5 | 35.4 | 35.4 | 35.6 | 35.4 | 35.4 | 35.5 | 35.1 | 35.5 | 35.4 |
| 78° | 33.4 | 33.8 | 33.8 | 33.7 | 33.9 | 33.7 | 33.8 | 33.8 | 33.4 | 33.8 | 33.8 |
| 78.5° | 31.8 | 32.1 | 32.3 | 32.0 | 32.3 | 32.0 | 32.3 | 32.1 | 31.8 | 32.1 | 32.3 |
| 79° | 30.1 | 30.4 | 30.6 | 30.4 | 30.6 | 30.4 | 30.6 | 30.4 | 30.1 | 30.4 | 30.6 |
| 79.5° | 28.5 | 28.7 | 28.9 | 28.7 | 28.9 | 28.7 | 28.9 | 28.7 | 28.5 | 28.7 | 28.9 |
| 80° | 26.9 | 27.1 | 27.2 | 27.1 | 27.2 | 27.1 | 27.2 | 27.1 | 26.9 | 27.1 | 27.2 |
| 80.5° | 25.3 | 25.5 | 25.6 | 25.5 | 25.5 | 25.5 | 25.6 | 25.5 | 25.3 | 25.5 | 25.6 |
| 81° | 23.6 | 23.8 | 23.9 | 23.9 | 23.9 | 23.9 | 23.9 | 23.8 | 23.6 | 23.8 | 23.9 |
| 81.5° | 22.0 | 22.2 | 22.3 | 22.3 | 22.3 | 22.3 | 22.3 | 22.2 | 22.0 | 22.2 | 22.3 |
| 82° | 20.4 | 20.6 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.6 | 20.4 | 20.6 | 20.7 |
| 82.5° | 18.9 | 19.0 | 19.1 | 19.1 | 19.1 | 19.1 | 19.1 | 19.0 | 18.9 | 19.0 | 19.1 |
| 83° | 17.3 | 17.4 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.4 | 17.3 | 17.4 | 17.5 |
| 83.5° | 15.8 | 15.8 | 16.0 | 16.0 | 15.9 | 16.0 | 16.0 | 15.8 | 15.8 | 15.8 | 16.0 |
| 84° | 14.2 | 14.3 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.3 | 14.2 | 14.3 | 14.4 |
| 84.5° | 12.7 | 12.7 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 | 12.7 | 12.7 | 12.7 | 12.9 |
| 85° | 11.2 | 11.2 | 11.3 | 11.4 | 11.3 | 11.4 | 11.3 | 11.2 | 11.2 | 11.2 | 11.3 |
| 85.5° | 9.7 | 9.7 | 9.8 | 9.9 | 9.8 | 9.9 | 9.8 | 9.7 | 9.7 | 9.7 | 9.8 |
| 86° | 8.3 | 8.2 | 8.3 | 8.4 | 8.3 | 8.4 | 8.3 | 8.2 | 8.3 | 8.2 | 8.3 |
| 86.5° | 6.8 | 6.7 | 6.8 | 6.9 | 6.8 | 6.9 | 6.8 | 6.7 | 6.8 | 6.7 | 6.8 |
| 87° | 5.3 | 5.2 | 5.3 | 5.5 | 5.4 | 5.5 | 5.3 | 5.2 | 5.3 | 5.2 | 5.3 |
| 87.5° | 3.8 | 3.8 | 4.0 | 4.2 | 3.9 | 4.2 | 4.0 | 3.8 | 3.8 | 3.8 | 4.0 |
| 88° | 2.4 | 2.6 | 2.8 | 3.1 | 2.7 | 3.1 | 2.8 | 2.6 | 2.4 | 2.6 | 2.8 |
| 88.5° | 1.5 | 1.6 | 1.7 | 2.0 | 1.8 | 2.0 | 1.7 | 1.6 | 1.5 | 1.6 | 1.7 |
| 89° | 0.9 | 0.9 | 0.9 | 1.2 | 1.3 | 1.2 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 89.5° | 0.5 | 0.4 | 0.5 | 0.7 | 0.9 | 0.7 | 0.5 | 0.4 | 0.5 | 0.4 | 0.5 |

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

Scaled Data Report

TEST NUMBER: P1596610
CATALOG NUMBER: HLB2SLSFS5-MED-3500K

**CANDELA DISTRIBUTION (continued):**

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 90° | 0.0 | 0.2 | 0.3 | 0.3 | 0.5 | 0.3 | 0.3 | 0.2 | 0.0 | 0.2 | 0.3 |
| 90.5° | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 91° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 91.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 93° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 93.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 94° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 94.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 96° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 96.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 98° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 98.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 99° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 99.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 101° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 101.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102° | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 |
| 103° | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 |
| 103.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 104° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 104.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 105° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 105.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 106° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 106.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 107° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 107.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 108° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 108.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 109° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 109.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 110° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 110.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 111° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 111.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 112° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |

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

Scaled Data Report

TEST NUMBER: P1596610
CATALOG NUMBER: HLB2SLSFS5-MED-3500K

**CANDELA DISTRIBUTION (continued):**

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 112.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 113° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 113.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 114° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 114.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 115° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 115.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 116° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 116.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 117° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 117.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 118° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 118.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 119° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 119.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 120° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 120.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 121° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 121.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 122° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 122.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 123° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 123.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 124° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 124.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 125° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 125.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 126° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 126.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 127° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 127.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 128° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 128.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 129° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 129.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 130° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 130.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 131° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 131.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 132° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 132.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 133° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 133.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 134° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 134.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |

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

Scaled Data Report

TEST NUMBER: P1596610
CATALOG NUMBER: HLB2SLSFS5-MED-3500K

**CANDELA DISTRIBUTION (continued):**

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 135° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 135.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 136° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 136.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 137° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 137.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 138° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 138.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 139° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 139.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 140° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 140.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 141° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 141.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 142° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 142.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 143° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 143.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 144° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 144.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 145° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 145.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 146° | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 |
| 146.5° | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 | 0.2 |
| 147° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 147.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 148° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 148.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 149° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 149.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 150° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 150.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 151° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 151.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 152° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 152.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 153° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 153.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 154° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 154.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 155° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 155.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 156° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 156.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 157° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

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

Scaled Data Report

TEST NUMBER: P1596610
CATALOG NUMBER: HLB2SLSFS5-MED-3500K

**CANDELA DISTRIBUTION (continued):**

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 157.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 158° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 158.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 159° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 159.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 160° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 160.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 161° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 161.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 162° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 162.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 163° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 163.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 164° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 164.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 165° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 165.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 166° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 166.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 167° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 167.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 168° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 168.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 169° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 169.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 170° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 170.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 171° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 171.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 172° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 172.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 173° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 173.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 174° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 174.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 175° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 175.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 176° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 176.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 177° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 177.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 178° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 178.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 179° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 179.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1596610
CATALOG NUMBER: HLB2SLSFS5-MED-3500K

**CANDELA DISTRIBUTION (continued):**

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 180° | *0.2* | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

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

Scaled Data Report

TEST NUMBER: P1596610
CATALOG NUMBER: HLB2SLSFS5-MED-3500K

**CANDELA DISTRIBUTION (continued):**

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|---|---|---|---|---|---|---|
| 0° | *245.3* | *245.3* | *245.3* | *245.3* | *245.3* | *245.3* |
| 0.5° | 245.3 | 245.3 | 245.3 | 245.3 | 245.3 | 245.3 |
| 1° | 245.3 | 245.3 | 245.3 | 245.2 | 245.3 | 245.3 |
| 1.5° | 245.1 | 245.2 | 245.1 | 245.2 | 245.2 | 245.2 |
| 2° | 245.0 | 245.1 | 245.0 | 245.1 | 245.1 | 245.1 |
| 2.5° | 245.0 | 245.0 | 245.0 | 245.0 | 245.1 | 245.1 |
| 3° | 244.9 | 244.9 | 244.9 | 244.8 | 244.9 | 244.9 |
| 3.5° | 244.7 | 244.7 | 244.7 | 244.7 | 244.7 | 244.7 |
| 4° | 244.5 | 244.5 | 244.5 | 244.5 | 244.5 | 244.5 |
| 4.5° | 244.3 | 244.3 | 244.3 | 244.3 | 244.4 | 244.3 |
| 5° | 244.1 | 244.1 | 244.1 | 244.1 | 244.2 | 244.1 |
| 5.5° | 243.8 | 243.8 | 243.8 | 243.8 | 243.8 | 243.9 |
| 6° | 243.5 | 243.5 | 243.5 | 243.5 | 243.5 | 243.6 |
| 6.5° | 243.2 | 243.2 | 243.2 | 243.2 | 243.2 | 243.2 |
| 7° | 242.8 | 242.9 | 242.8 | 242.9 | 242.9 | 242.9 |
| 7.5° | 242.5 | 242.5 | 242.5 | 242.6 | 242.6 | 242.5 |
| 8° | 242.1 | 242.0 | 242.1 | 242.1 | 242.2 | 242.1 |
| 8.5° | 241.7 | 241.7 | 241.7 | 241.7 | 241.7 | 241.6 |
| 9° | 241.2 | 241.2 | 241.2 | 241.2 | 241.3 | 241.2 |
| 9.5° | 240.7 | 240.6 | 240.7 | 240.8 | 240.8 | 240.8 |
| 10° | 240.2 | 240.1 | 240.2 | 240.3 | 240.3 | 240.3 |
| 10.5° | 239.7 | 239.7 | 239.7 | 239.7 | 239.8 | 239.7 |
| 11° | 239.2 | 239.1 | 239.2 | 239.2 | 239.3 | 239.0 |
| 11.5° | 238.6 | 238.5 | 238.6 | 238.6 | 238.6 | 238.5 |
| 12° | 237.9 | 237.9 | 237.9 | 238.0 | 238.0 | 237.9 |
| 12.5° | 237.4 | 237.2 | 237.4 | 237.4 | 237.4 | 237.3 |
| 13° | 236.7 | 236.6 | 236.7 | 236.8 | 236.8 | 236.6 |
| 13.5° | 236.0 | 235.9 | 236.0 | 236.1 | 236.0 | 235.8 |
| 14° | 235.3 | 235.2 | 235.3 | 235.3 | 235.3 | 235.1 |
| 14.5° | 234.6 | 234.4 | 234.6 | 234.6 | 234.5 | 234.5 |
| 15° | 233.8 | 233.6 | 233.8 | 233.9 | 233.8 | 233.7 |
| 15.5° | 233.0 | 232.8 | 233.0 | 233.1 | 233.0 | 232.8 |
| 16° | 232.2 | 232.0 | 232.2 | 232.2 | 232.2 | 232.0 |
| 16.5° | 231.4 | 231.2 | 231.4 | 231.4 | 231.4 | 231.2 |
| 17° | 230.5 | 230.3 | 230.5 | 230.6 | 230.5 | 230.3 |
| 17.5° | 229.6 | 229.4 | 229.6 | 229.7 | 229.6 | 229.5 |
| 18° | 228.7 | 228.5 | 228.7 | 228.8 | 228.7 | 228.6 |
| 18.5° | 227.8 | 227.6 | 227.8 | 227.9 | 227.8 | 227.5 |
| 19° | 226.9 | 226.6 | 226.9 | 227.0 | 226.8 | 226.6 |
| 19.5° | 225.9 | 225.6 | 225.9 | 226.0 | 225.8 | 225.6 |
| 20° | 224.9 | 224.7 | 224.9 | 225.0 | 224.8 | 224.6 |
| 20.5° | 223.9 | 223.6 | 223.9 | 223.9 | 223.8 | 223.7 |
| 21° | 222.8 | 222.6 | 222.8 | 222.9 | 222.8 | 222.5 |
| 21.5° | 221.7 | 221.5 | 221.7 | 221.9 | 221.7 | 221.5 |
| 22° | 220.6 | 220.4 | 220.6 | 220.7 | 220.6 | 220.4 |

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1596610
CATALOG NUMBER: HLB2SLSFS5-MED-3500K

**CANDELA DISTRIBUTION (continued):**

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|---|---|---|---|---|---|---|
| 22.5° | 219.6 | 219.3 | 219.6 | 219.7 | 219.5 | 219.3 |
| 23° | 218.4 | 218.1 | 218.4 | 218.6 | 218.4 | 218.1 |
| 23.5° | 217.3 | 217.0 | 217.3 | 217.4 | 217.3 | 217.0 |
| 24° | 216.1 | 215.8 | 216.1 | 216.2 | 216.1 | 215.8 |
| 24.5° | 214.9 | 214.6 | 214.9 | 215.0 | 214.9 | 214.6 |
| 25° | 213.8 | 213.3 | 213.8 | 213.8 | 213.7 | 213.4 |
| 25.5° | 212.5 | 212.2 | 212.5 | 212.6 | 212.4 | 212.2 |
| 26° | 211.3 | 210.9 | 211.3 | 211.4 | 211.2 | 210.9 |
| 26.5° | 210.0 | 209.7 | 210.0 | 210.1 | 209.9 | 209.6 |
| 27° | 208.8 | 208.3 | 208.8 | 208.8 | 208.7 | 208.3 |
| 27.5° | 207.4 | 207.0 | 207.4 | 207.5 | 207.4 | 207.1 |
| 28° | 206.0 | 205.7 | 206.0 | 206.2 | 206.0 | 205.7 |
| 28.5° | 204.7 | 204.4 | 204.7 | 204.9 | 204.7 | 204.3 |
| 29° | 203.4 | 203.0 | 203.4 | 203.5 | 203.3 | 203.0 |
| 29.5° | 202.1 | 201.7 | 202.1 | 202.1 | 201.9 | 201.6 |
| 30° | 200.7 | 200.2 | 200.7 | 200.7 | 200.6 | 200.2 |
| 30.5° | 199.2 | 198.9 | 199.2 | 199.4 | 199.2 | 198.8 |
| 31° | 197.8 | 197.5 | 197.8 | 197.9 | 197.7 | 197.4 |
| 31.5° | 196.4 | 196.1 | 196.4 | 196.5 | 196.3 | 195.9 |
| 32° | 195.0 | 194.5 | 195.0 | 195.0 | 194.9 | 194.5 |
| 32.5° | 193.5 | 193.1 | 193.5 | 193.6 | 193.4 | 193.0 |
| 33° | 192.0 | 191.6 | 192.0 | 192.1 | 191.9 | 191.5 |
| 33.5° | 190.5 | 190.1 | 190.5 | 190.6 | 190.4 | 190.0 |
| 34° | 189.0 | 188.5 | 189.0 | 189.0 | 188.9 | 188.5 |
| 34.5° | 187.5 | 187.1 | 187.5 | 187.5 | 187.4 | 187.0 |
| 35° | 185.9 | 185.5 | 185.9 | 186.0 | 185.8 | 185.4 |
| 35.5° | 184.3 | 184.0 | 184.3 | 184.4 | 184.3 | 183.9 |
| 36° | 182.8 | 182.4 | 182.8 | 182.8 | 182.7 | 182.3 |
| 36.5° | 181.2 | 180.8 | 181.2 | 181.2 | 181.2 | 180.7 |
| 37° | 179.6 | 179.2 | 179.6 | 179.6 | 179.5 | 179.2 |
| 37.5° | 178.0 | 177.6 | 178.0 | 178.1 | 177.9 | 177.5 |
| 38° | 176.4 | 176.0 | 176.4 | 176.4 | 176.3 | 175.9 |
| 38.5° | 174.8 | 174.4 | 174.8 | 174.8 | 174.7 | 174.2 |
| 39° | 173.1 | 172.7 | 173.1 | 173.2 | 173.1 | 172.6 |
| 39.5° | 171.4 | 171.1 | 171.4 | 171.6 | 171.4 | 170.9 |
| 40° | 169.8 | 169.4 | 169.8 | 169.9 | 169.8 | 169.3 |
| 40.5° | 168.1 | 167.8 | 168.1 | 168.2 | 168.1 | 167.6 |
| 41° | 166.4 | 166.1 | 166.4 | 166.5 | 166.4 | 166.0 |
| 41.5° | 164.7 | 164.3 | 164.7 | 164.8 | 164.7 | 164.3 |
| 42° | 163.0 | 162.7 | 163.0 | 163.1 | 163.1 | 162.6 |
| 42.5° | 161.3 | 161.0 | 161.3 | 161.4 | 161.3 | 160.8 |
| 43° | 159.6 | 159.3 | 159.6 | 159.7 | 159.7 | 159.1 |
| 43.5° | 157.9 | 157.6 | 157.9 | 158.0 | 158.0 | 157.4 |
| 44° | 156.2 | 155.9 | 156.2 | 156.2 | 156.2 | 155.7 |
| 44.5° | 154.5 | 154.2 | 154.5 | 154.5 | 154.5 | 154.0 |

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

Scaled Data Report

TEST NUMBER: P1596610
CATALOG NUMBER: HLB2SLSFS5-MED-3500K

**CANDELA DISTRIBUTION (continued):**

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|---|---|---|---|---|---|---|
| 45° | 152.7 | 152.4 | 152.7 | 152.8 | 152.8 | 152.2 |
| 45.5° | 151.0 | 150.7 | 151.0 | 151.1 | 151.0 | 150.5 |
| 46° | 149.3 | 149.0 | 149.3 | 149.3 | 149.3 | 148.8 |
| 46.5° | 147.5 | 147.2 | 147.5 | 147.6 | 147.5 | 147.0 |
| 47° | 145.7 | 145.4 | 145.7 | 145.8 | 145.8 | 145.2 |
| 47.5° | 143.9 | 143.7 | 143.9 | 144.1 | 144.0 | 143.5 |
| 48° | 142.3 | 141.9 | 142.3 | 142.3 | 142.3 | 141.8 |
| 48.5° | 140.4 | 140.1 | 140.4 | 140.5 | 140.5 | 140.0 |
| 49° | 138.7 | 138.3 | 138.7 | 138.7 | 138.7 | 138.3 |
| 49.5° | 136.9 | 136.6 | 136.9 | 137.0 | 136.9 | 136.5 |
| 50° | 135.2 | 134.8 | 135.2 | 135.2 | 135.1 | 134.7 |
| 50.5° | 133.4 | 133.0 | 133.4 | 133.4 | 133.3 | 133.0 |
| 51° | 131.6 | 131.2 | 131.6 | 131.6 | 131.5 | 131.3 |
| 51.5° | 129.8 | 129.4 | 129.8 | 129.8 | 129.7 | 129.5 |
| 52° | 128.1 | 127.6 | 128.1 | 128.0 | 127.9 | 127.7 |
| 52.5° | 126.2 | 125.7 | 126.2 | 126.2 | 126.1 | 125.9 |
| 53° | 124.5 | 123.9 | 124.5 | 124.3 | 124.2 | 124.1 |
| 53.5° | 122.7 | 122.1 | 122.7 | 122.5 | 122.4 | 122.3 |
| 54° | 120.9 | 120.3 | 120.9 | 120.7 | 120.5 | 120.5 |
| 54.5° | 119.1 | 118.4 | 119.1 | 118.9 | 118.7 | 118.7 |
| 55° | 117.2 | 116.6 | 117.2 | 117.1 | 116.9 | 116.8 |
| 55.5° | 115.4 | 114.7 | 115.4 | 115.2 | 115.1 | 115.0 |
| 56° | 113.6 | 112.9 | 113.6 | 113.4 | 113.2 | 113.2 |
| 56.5° | 111.7 | 111.1 | 111.7 | 111.6 | 111.4 | 111.4 |
| 57° | 109.9 | 109.2 | 109.9 | 109.7 | 109.5 | 109.5 |
| 57.5° | 108.0 | 107.4 | 108.0 | 107.8 | 107.7 | 107.6 |
| 58° | 106.2 | 105.6 | 106.2 | 106.0 | 105.8 | 105.8 |
| 58.5° | 104.3 | 103.8 | 104.3 | 104.2 | 104.0 | 104.0 |
| 59° | 102.4 | 101.9 | 102.4 | 102.3 | 102.2 | 102.1 |
| 59.5° | 100.6 | 100.1 | 100.6 | 100.4 | 100.3 | 100.2 |
| 60° | 98.7 | 98.3 | 98.7 | 98.6 | 98.4 | 98.4 |
| 60.5° | 96.8 | 96.5 | 96.8 | 96.7 | 96.6 | 96.5 |
| 61° | 95.0 | 94.6 | 95.0 | 94.9 | 94.8 | 94.6 |
| 61.5° | 93.1 | 92.8 | 93.1 | 93.0 | 92.9 | 92.8 |
| 62° | 91.3 | 91.0 | 91.3 | 91.1 | 91.1 | 90.9 |
| 62.5° | 89.4 | 89.2 | 89.4 | 89.3 | 89.2 | 89.0 |
| 63° | 87.5 | 87.3 | 87.5 | 87.4 | 87.4 | 87.1 |
| 63.5° | 85.6 | 85.5 | 85.6 | 85.5 | 85.5 | 85.2 |
| 64° | 83.7 | 83.6 | 83.7 | 83.6 | 83.7 | 83.4 |
| 64.5° | 81.8 | 81.8 | 81.8 | 81.8 | 81.9 | 81.5 |
| 65° | 80.0 | 80.0 | 80.0 | 79.9 | 80.0 | 79.6 |
| 65.5° | 78.1 | 78.2 | 78.1 | 78.1 | 78.2 | 77.7 |
| 66° | 76.2 | 76.3 | 76.2 | 76.2 | 76.3 | 75.9 |
| 66.5° | 74.3 | 74.5 | 74.3 | 74.3 | 74.4 | 74.0 |
| 67° | 72.5 | 72.7 | 72.5 | 72.5 | 72.6 | 72.1 |

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

Scaled Data Report

TEST NUMBER: P1596610
CATALOG NUMBER: HLB2SLSFS5-MED-3500K

**CANDELA DISTRIBUTION (continued):**

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|---|---|---|---|---|---|---|
| 67.5° | 70.6 | 70.9 | 70.6 | 70.7 | 70.7 | 70.2 |
| 68° | 68.7 | 69.0 | 68.7 | 68.8 | 68.9 | 68.4 |
| 68.5° | 66.9 | 67.2 | 66.9 | 67.0 | 67.1 | 66.5 |
| 69° | 65.0 | 65.4 | 65.0 | 65.2 | 65.3 | 64.7 |
| 69.5° | 63.2 | 63.6 | 63.2 | 63.3 | 63.4 | 62.9 |
| 70° | 61.4 | 61.7 | 61.4 | 61.5 | 61.6 | 61.0 |
| 70.5° | 59.6 | 60.0 | 59.6 | 59.7 | 59.8 | 59.2 |
| 71° | 57.8 | 58.2 | 57.8 | 57.9 | 58.1 | 57.4 |
| 71.5° | 56.0 | 56.4 | 56.0 | 56.1 | 56.3 | 55.6 |
| 72° | 54.2 | 54.6 | 54.2 | 54.4 | 54.5 | 53.8 |
| 72.5° | 52.4 | 52.8 | 52.4 | 52.6 | 52.7 | 52.1 |
| 73° | 50.7 | 51.1 | 50.7 | 50.9 | 51.0 | 50.3 |
| 73.5° | 48.9 | 49.3 | 48.9 | 49.1 | 49.2 | 48.6 |
| 74° | 47.2 | 47.6 | 47.2 | 47.4 | 47.5 | 46.9 |
| 74.5° | 45.5 | 45.9 | 45.5 | 45.7 | 45.8 | 45.1 |
| 75° | 43.8 | 44.1 | 43.8 | 44.0 | 44.0 | 43.4 |
| 75.5° | 42.1 | 42.4 | 42.1 | 42.2 | 42.3 | 41.7 |
| 76° | 40.4 | 40.7 | 40.4 | 40.5 | 40.6 | 40.1 |
| 76.5° | 38.7 | 39.0 | 38.7 | 38.8 | 38.9 | 38.4 |
| 77° | 37.0 | 37.3 | 37.0 | 37.1 | 37.2 | 36.7 |
| 77.5° | 35.4 | 35.6 | 35.4 | 35.4 | 35.5 | 35.1 |
| 78° | 33.7 | 33.9 | 33.7 | 33.8 | 33.8 | 33.4 |
| 78.5° | 32.0 | 32.3 | 32.0 | 32.3 | 32.1 | 31.8 |
| 79° | 30.4 | 30.6 | 30.4 | 30.6 | 30.4 | 30.1 |
| 79.5° | 28.7 | 28.9 | 28.7 | 28.9 | 28.7 | 28.5 |
| 80° | 27.1 | 27.2 | 27.1 | 27.2 | 27.1 | 26.9 |
| 80.5° | 25.5 | 25.5 | 25.5 | 25.6 | 25.5 | 25.3 |
| 81° | 23.9 | 23.9 | 23.9 | 23.9 | 23.8 | 23.6 |
| 81.5° | 22.3 | 22.3 | 22.3 | 22.3 | 22.2 | 22.0 |
| 82° | 20.7 | 20.7 | 20.7 | 20.7 | 20.6 | 20.4 |
| 82.5° | 19.1 | 19.1 | 19.1 | 19.1 | 19.0 | 18.9 |
| 83° | 17.5 | 17.5 | 17.5 | 17.5 | 17.4 | 17.3 |
| 83.5° | 16.0 | 15.9 | 16.0 | 16.0 | 15.8 | 15.8 |
| 84° | 14.4 | 14.4 | 14.4 | 14.4 | 14.3 | 14.2 |
| 84.5° | 12.9 | 12.9 | 12.9 | 12.9 | 12.7 | 12.7 |
| 85° | 11.4 | 11.3 | 11.4 | 11.3 | 11.2 | 11.2 |
| 85.5° | 9.9 | 9.8 | 9.9 | 9.8 | 9.7 | 9.7 |
| 86° | 8.4 | 8.3 | 8.4 | 8.3 | 8.2 | 8.3 |
| 86.5° | 6.9 | 6.8 | 6.9 | 6.8 | 6.7 | 6.8 |
| 87° | 5.5 | 5.4 | 5.5 | 5.3 | 5.2 | 5.3 |
| 87.5° | 4.2 | 3.9 | 4.2 | 4.0 | 3.8 | 3.8 |
| 88° | 3.1 | 2.7 | 3.1 | 2.8 | 2.6 | 2.4 |
| 88.5° | 2.0 | 1.8 | 2.0 | 1.7 | 1.6 | 1.5 |
| 89° | 1.2 | 1.3 | 1.2 | 0.9 | 0.9 | 0.9 |
| 89.5° | 0.7 | 0.9 | 0.7 | 0.5 | 0.4 | 0.5 |

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

Scaled Data Report

TEST NUMBER: P1596610
CATALOG NUMBER: HLB2SLSFS5-MED-3500K

**CANDELA DISTRIBUTION (continued):**

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|---|---|---|---|---|---|---|
| 90° | 0.3 | 0.5 | 0.3 | 0.3 | 0.2 | 0.0 |
| 90.5° | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 91° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 91.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 93° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 93.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 94° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 94.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 96° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 96.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 98° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 98.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 99° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 99.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 101° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 101.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102° | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 |
| 103° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 |
| 103.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 104° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 104.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 105° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 105.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 106° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 106.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 107° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 107.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 108° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 108.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 109° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 109.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 110° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 110.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 111° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 111.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 112° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596610
CATALOG NUMBER: HLB2SLSFS5-MED-3500K

**CANDELA DISTRIBUTION (continued):**

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|---|---|---|---|---|---|---|
| 112.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 113° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 113.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 114° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 114.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 115° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 115.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 116° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 116.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 117° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 117.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 118° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 118.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 119° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 119.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 120° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 120.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 121° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 121.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 122° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 122.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 123° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 123.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 124° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 124.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 125° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 125.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 126° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 126.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 127° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 127.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 128° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 128.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 129° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 129.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 130° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 130.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 131° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 131.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 132° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 132.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 133° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 133.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 134° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 134.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |

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

Scaled Data Report

TEST NUMBER: P1596610
CATALOG NUMBER: HLB2SLSFS5-MED-3500K

**CANDELA DISTRIBUTION (continued):**

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|---|---|---|---|---|---|---|
| 135° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 135.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 136° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 136.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 137° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 137.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 138° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 138.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 139° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 139.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 140° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 140.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 141° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 141.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 142° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 142.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 143° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 143.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 144° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 144.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 145° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 145.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 146° | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 |
| 146.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 147° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 147.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 148° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 148.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 149° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 149.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 150° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 150.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 151° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 151.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 152° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 152.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 153° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 153.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 154° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 154.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 155° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 155.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 156° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 156.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 157° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

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

Scaled Data Report

TEST NUMBER: P1596610
CATALOG NUMBER: HLB2SLSFS5-MED-3500K

**CANDELA DISTRIBUTION (continued):**

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|---|---|---|---|---|---|---|
| 157.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 158° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 158.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 159° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 159.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 160° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 160.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 161° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 161.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 162° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 162.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 163° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 163.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 164° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 164.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 165° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 165.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 166° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 166.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 167° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 167.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 168° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 168.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 169° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 169.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 170° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 170.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 171° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 171.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 172° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 172.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 173° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 173.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 174° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 174.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 175° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 175.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 176° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 176.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 177° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 177.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 178° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 178.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 179° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 179.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

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Scaled Data Report

TEST NUMBER: P1596610
CATALOG NUMBER: HLB2SLSFS5-MED-3500K

**CANDELA DISTRIBUTION (continued):**

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|---|---|---|---|---|---|---|
| 180° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

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TEST NUMBER: P1596610
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**CIE UGR TABLE:**

| Reflectances: | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ceiling | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| | Wall | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| | Reference plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H | Y=2H | 31.51 | 33.14 | 31.87 | 33.45 | 33.77 | 31.52 | 33.15 | 31.89 | 33.47 | 33.78 |
| | 3H | 33.31 | 34.78 | 33.69 | 35.11 | 35.47 | 33.33 | 34.80 | 33.71 | 35.13 | 35.49 |
| | 4H | 34.00 | 35.39 | 34.40 | 35.74 | 36.11 | 34.03 | 35.41 | 34.43 | 35.76 | 36.14 |
| | 6H | 34.53 | 35.81 | 34.94 | 36.18 | 36.57 | 34.56 | 35.85 | 34.97 | 36.21 | 36.61 |
| | 8H | 34.70 | 35.93 | 35.13 | 36.32 | 36.72 | 34.73 | 35.96 | 35.16 | 36.35 | 36.75 |
| | 12H | 34.77 | 35.95 | 35.20 | 36.33 | 36.76 | 34.81 | 35.99 | 35.24 | 36.37 | 36.80 |
| 4H | 2H | 32.14 | 33.53 | 32.54 | 33.88 | 34.26 | 32.15 | 33.54 | 32.55 | 33.89 | 34.27 |
| | 3H | 34.17 | 35.34 | 34.58 | 35.74 | 36.14 | 34.18 | 35.35 | 34.59 | 35.75 | 36.15 |
| | 4H | 35.00 | 36.05 | 35.43 | 36.47 | 36.91 | 35.01 | 36.07 | 35.44 | 36.48 | 36.92 |
| | 6H | 35.66 | 36.58 | 36.12 | 37.02 | 37.48 | 35.68 | 36.60 | 36.13 | 37.04 | 37.50 |
| | 8H | 35.88 | 36.74 | 36.34 | 37.19 | 37.66 | 35.90 | 36.77 | 36.37 | 37.21 | 37.68 |
| | 12H | 36.01 | 36.79 | 36.49 | 37.26 | 37.74 | 36.04 | 36.81 | 36.52 | 37.29 | 37.76 |
| 8H | 4H | 35.33 | 36.19 | 35.79 | 36.63 | 37.10 | 35.34 | 36.20 | 35.80 | 36.65 | 37.11 |
| | 6H | 36.12 | 36.84 | 36.61 | 37.33 | 37.80 | 36.14 | 36.85 | 36.63 | 37.34 | 37.82 |
| | 8H | 36.42 | 37.06 | 36.93 | 37.57 | 38.06 | 36.44 | 37.08 | 36.95 | 37.59 | 38.08 |
| | 12H | 36.62 | 37.19 | 37.13 | 37.69 | 38.25 | 36.65 | 37.22 | 37.16 | 37.71 | 38.27 |
| 12H | 4H | 35.37 | 36.14 | 35.85 | 36.62 | 37.09 | 35.38 | 36.15 | 35.86 | 36.63 | 37.10 |
| | 6H | 36.18 | 36.83 | 36.69 | 37.34 | 37.82 | 36.20 | 36.84 | 36.71 | 37.35 | 37.84 |
| | 8H | 36.54 | 37.11 | 37.05 | 37.60 | 38.16 | 36.56 | 37.13 | 37.07 | 37.62 | 38.18 |

END OF REPORT