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: P1596602

Luminaire Tested: HLB2SLSFS5-HI-5000K

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: | P1596602 |
| | 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-HI-5000K |
| Description: | HLB2 2" SQUARE SLIM LOW GLARE CANLESS LED DOWNLIGHT |
| Light Source: | 5000K CCT, 90 CRI LEDS |
| Ballast/Driver: | - |

**Summary**

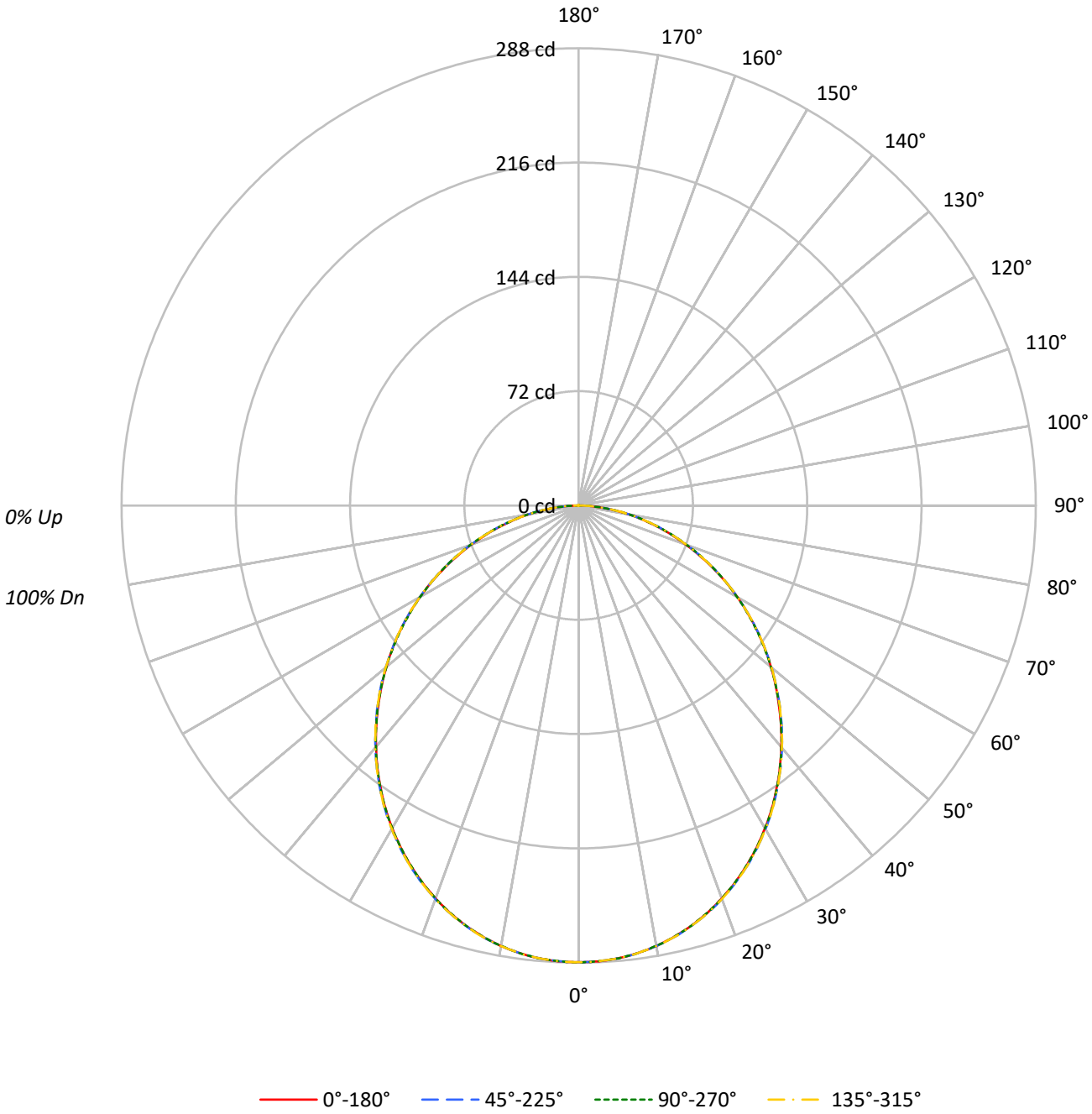
| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 780.0 lumens |
| Efficiency: | N/A |
| Efficacy: | 97.5 lumens/watt |
| Spacing Criteria (0/90/45): | 1.22 / 1.22 / 1.33 |
| Luminous Opening: | Rectangular (W 0.09' x L: 0.09' x H: 0') |
| CIE Type: | Direct |
| | |
| Input Watts (W): | 8 |
| 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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Scaled Data Report

TEST NUMBER: P1596602
CATALOG NUMBER: HLB2SLSFS5-HI-5000K

## Luminous Intensity Polar Plot



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Scaled Data Report

TEST NUMBER: P1596602
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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° | 382318 | 382318 | 382318 | 382318 |
| 5° | 381911 | 382045 | 381911 | 382045 |
| 10° | 380390 | 379985 | 380390 | 379985 |
| 15° | 377095 | 377095 | 377095 | 377095 |
| 20° | 372632 | 372632 | 372632 | 372632 |
| 25° | 367004 | 366857 | 367004 | 366857 |
| 30° | 360290 | 360290 | 360290 | 360290 |
| 35° | 352680 | 353004 | 352680 | 353004 |
| 40° | 344343 | 344690 | 344343 | 344690 |
| 45° | 335458 | 336022 | 335458 | 336022 |
| 50° | 326644 | 326851 | 326644 | 326851 |
| 55° | 317637 | 316710 | 317637 | 316710 |
| 60° | 306705 | 306439 | 306705 | 306439 |
| 65° | 293686 | 294944 | 293686 | 294944 |
| 70° | 277805 | 281302 | 277805 | 281302 |
| 75° | 261854 | 265961 | 261854 | 265961 |
| 80° | 241060 | 244887 | 241060 | 244887 |
| 85° | 201263 | 202787 | 201263 | 202787 |

## MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
Vertical Angle: 45°
Luminance: 336962 cd/sqm

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**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 27.2 | 3.5 |
| 10°-20° | 77.3 | 9.9 |
| 20°-30° | 115.4 | 14.8 |
| 30°-40° | 136.3 | 17.5 |
| 40°-50° | 138.1 | 17.7 |
| 50°-60° | 122.6 | 15.7 |
| 60°-70° | 92.8 | 11.9 |
| 70°-80° | 54.5 | 7.0 |
| 80°-90° | 15.1 | 1.9 |
| 90°-100° | 0.1 | 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° | 219.9 | 28.2 |
| 0°-40° | 356.2 | 45.7 |
| 0°-60° | 616.9 | 79.1 |
| 0°-90° | 779.3 | 99.9 |
| 90°-120° | 0.3 | 0.0 |
| 90°-150° | 0.6 | 0.1 |
| 90°-180° | 1.0 | 0.1 |
| 0°-180° | 780.0 | 100.0 |

**CANDELA DISTRIBUTION:**

| | 0° | 90° | 180° | 270° | 360° | Flux |
|---|---|---|---|---|---|---|
| 0° | 288 | 288 | 288 | 288 | 288 | |
| 5° | 286 | 286 | 286 | 286 | 286 | 27 |
| 15° | 274 | 274 | 274 | 274 | 274 | 77 |
| 25° | 250 | 250 | 250 | 250 | 250 | 115 |
| 35° | 217 | 218 | 217 | 218 | 217 | 136 |
| 45° | 178 | 179 | 178 | 179 | 178 | 138 |
| 55° | 137 | 137 | 137 | 137 | 137 | 122 |
| 65° | 93 | 94 | 93 | 94 | 93 | 92 |
| 75° | 51 | 52 | 51 | 52 | 51 | 54 |
| 85° | 13 | 13 | 13 | 13 | 13 | 14 |
| 90° | 0 | 1 | 0 | 1 | 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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TEST NUMBER: P1596602
CATALOG NUMBER: HLB2SLSFS5-HI-5000K

**CANDELA DISTRIBUTION (FULL):**

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 287.7 | 287.7 | 287.7 | 287.7 | *287.7* | 287.7 | 287.7 | 287.7 | 287.7 | 287.7 | 287.7 |
| 0.5° | *287.7* | *287.7* | *287.7* | *287.7* | *287.8* | *287.7* | *287.7* | *287.7* | *287.7* | *287.7* | *287.7* |
| 1° | 287.7 | 287.7 | 287.6 | 287.7 | *287.7* | 287.7 | 287.6 | 287.7 | 287.7 | 287.7 | 287.6 |
| 1.5° | 287.6 | 287.6 | 287.6 | 287.5 | *287.6* | 287.5 | 287.6 | 287.6 | 287.6 | 287.6 | 287.6 |
| 2° | 287.5 | 287.5 | 287.4 | 287.4 | *287.4* | 287.4 | 287.4 | 287.5 | 287.5 | 287.5 | 287.4 |
| 2.5° | 287.5 | 287.5 | 287.4 | 287.4 | *287.4* | 287.4 | 287.4 | 287.5 | 287.5 | 287.5 | 287.4 |
| 3° | 287.3 | 287.3 | 287.2 | 287.2 | *287.2* | 287.2 | 287.2 | 287.3 | 287.3 | 287.3 | 287.2 |
| 3.5° | 287.1 | 287.0 | 287.0 | 287.0 | *287.1* | 287.0 | 287.0 | 287.0 | 287.1 | 287.0 | 287.0 |
| 4° | 286.8 | 286.8 | 286.8 | 286.7 | *286.8* | 286.7 | 286.8 | 286.8 | 286.8 | 286.8 | 286.8 |
| 4.5° | 286.6 | 286.6 | 286.6 | 286.5 | *286.5* | 286.5 | 286.6 | 286.6 | 286.6 | 286.6 | 286.6 |
| 5° | 286.3 | 286.4 | 286.3 | 286.3 | *286.4* | 286.3 | 286.3 | 286.4 | 286.3 | 286.4 | 286.3 |
| 5.5° | 286.1 | 286.0 | 286.0 | 285.9 | *286.0* | 285.9 | 286.0 | 286.0 | 286.1 | 286.0 | 286.0 |
| 6° | 285.7 | 285.6 | 285.6 | 285.6 | *285.6* | 285.6 | 285.6 | 285.6 | 285.7 | 285.6 | 285.6 |
| 6.5° | 285.3 | 285.3 | 285.3 | 285.2 | *285.2* | 285.2 | 285.3 | 285.3 | 285.3 | 285.3 | 285.3 |
| 7° | 284.8 | 284.9 | 284.9 | 284.8 | *284.9* | 284.8 | 284.9 | 284.9 | 284.8 | 284.9 | 284.9 |
| 7.5° | 284.5 | 284.5 | 284.5 | 284.4 | *284.4* | 284.4 | 284.5 | 284.5 | 284.5 | 284.5 | 284.5 |
| 8° | 284.0 | 284.1 | 284.0 | 284.0 | *283.9* | 284.0 | 284.0 | 284.1 | 284.0 | 284.1 | 284.0 |
| 8.5° | 283.4 | 283.5 | 283.5 | 283.5 | *283.5* | 283.5 | 283.5 | 283.5 | 283.4 | 283.5 | 283.5 |
| 9° | 282.9 | 283.0 | 282.9 | 282.9 | *282.9* | 282.9 | 282.9 | 283.0 | 282.9 | 283.0 | 282.9 |
| 9.5° | 282.4 | 282.5 | 282.4 | 282.3 | *282.2* | 282.3 | 282.4 | 282.5 | 282.4 | 282.5 | 282.4 |
| 10° | 281.9 | 281.8 | 281.8 | 281.7 | *281.6* | 281.7 | 281.8 | 281.8 | 281.9 | 281.8 | 281.8 |
| 10.5° | 281.1 | 281.2 | 281.2 | 281.2 | *281.1* | 281.2 | 281.2 | 281.2 | 281.1 | 281.2 | 281.2 |
| 11° | 280.4 | 280.6 | 280.6 | 280.6 | *280.5* | 280.6 | 280.6 | 280.6 | 280.4 | 280.6 | 280.6 |
| 11.5° | 279.7 | 279.9 | 279.9 | 279.8 | *279.8* | 279.8 | 279.9 | 279.9 | 279.7 | 279.9 | 279.9 |
| 12° | 279.1 | 279.1 | 279.1 | 279.0 | *279.0* | 279.0 | 279.1 | 279.1 | 279.1 | 279.1 | 279.1 |
| 12.5° | 278.3 | 278.4 | 278.4 | 278.4 | *278.3* | 278.4 | 278.4 | 278.4 | 278.3 | 278.4 | 278.4 |
| 13° | 277.5 | 277.7 | 277.7 | 277.7 | *277.5* | 277.7 | 277.7 | 277.7 | 277.5 | 277.7 | 277.7 |
| 13.5° | 276.6 | 276.9 | 276.9 | 276.8 | *276.7* | 276.8 | 276.9 | 276.9 | 276.6 | 276.9 | 276.9 |
| 14° | 275.8 | 276.0 | 276.0 | 276.0 | *275.8* | 276.0 | 276.0 | 276.0 | 275.8 | 276.0 | 276.0 |
| 14.5° | 275.0 | 275.1 | 275.2 | 275.1 | *275.0* | 275.1 | 275.2 | 275.1 | 275.0 | 275.1 | 275.2 |
| 15° | 274.1 | 274.2 | 274.3 | 274.2 | *274.1* | 274.2 | 274.3 | 274.2 | 274.1 | 274.2 | 274.3 |
| 15.5° | 273.1 | 273.3 | 273.4 | 273.3 | *273.1* | 273.3 | 273.4 | 273.3 | 273.1 | 273.3 | 273.4 |
| 16° | 272.1 | 272.4 | 272.4 | 272.4 | *272.1* | 272.4 | 272.4 | 272.4 | 272.1 | 272.4 | 272.4 |
| 16.5° | 271.2 | 271.4 | 271.5 | 271.4 | *271.2* | 271.4 | 271.5 | 271.4 | 271.2 | 271.4 | 271.5 |
| 17° | 270.1 | 270.4 | 270.5 | 270.3 | *270.2* | 270.3 | 270.5 | 270.4 | 270.1 | 270.4 | 270.5 |
| 17.5° | 269.2 | 269.3 | 269.5 | 269.4 | *269.1* | 269.4 | 269.5 | 269.3 | 269.2 | 269.3 | 269.5 |
| 18° | 268.1 | 268.2 | 268.4 | 268.3 | *268.0* | 268.3 | 268.4 | 268.2 | 268.1 | 268.2 | 268.4 |
| 18.5° | 266.9 | 267.2 | 267.3 | 267.2 | *267.0* | 267.2 | 267.3 | 267.2 | 266.9 | 267.2 | 267.3 |
| 19° | 265.8 | 266.1 | 266.2 | 266.1 | *265.8* | 266.1 | 266.2 | 266.1 | 265.8 | 266.1 | 266.2 |
| 19.5° | 264.6 | 264.9 | 265.1 | 265.0 | *264.7* | 265.0 | 265.1 | 264.9 | 264.6 | 264.9 | 265.1 |
| 20° | 263.5 | 263.7 | 263.9 | 263.8 | *263.5* | 263.8 | 263.9 | 263.7 | 263.5 | 263.7 | 263.9 |
| 20.5° | 262.3 | 262.5 | 262.6 | 262.6 | *262.3* | 262.6 | 262.6 | 262.5 | 262.3 | 262.5 | 262.6 |
| 21° | 261.0 | 261.3 | 261.5 | 261.3 | *261.1* | 261.3 | 261.5 | 261.3 | 261.0 | 261.3 | 261.5 |
| 21.5° | 259.8 | 260.1 | 260.2 | 260.1 | *259.8* | 260.1 | 260.2 | 260.1 | 259.8 | 260.1 | 260.2 |
| 22° | 258.5 | 258.7 | 258.9 | 258.8 | *258.5* | 258.8 | 258.9 | 258.7 | 258.5 | 258.7 | 258.9 |

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TEST NUMBER: P1596602
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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° | 257.2 | 257.5 | 257.7 | 257.5 | *257.2* | 257.5 | 257.7 | 257.5 | 257.2 | 257.5 | 257.7 |
| 23° | 255.8 | 256.1 | 256.4 | 256.2 | *255.8* | 256.2 | 256.4 | 256.1 | 255.8 | 256.1 | 256.4 |
| 23.5° | 254.5 | 254.9 | 255.0 | 254.9 | *254.5* | 254.9 | 255.0 | 254.9 | 254.5 | 254.9 | 255.0 |
| 24° | 253.1 | 253.5 | 253.6 | 253.5 | *253.2* | 253.5 | 253.6 | 253.5 | 253.1 | 253.5 | 253.6 |
| 24.5° | 251.7 | 252.1 | 252.2 | 252.1 | *251.7* | 252.1 | 252.2 | 252.1 | 251.7 | 252.1 | 252.2 |
| 25° | 250.3 | 250.6 | 250.8 | 250.8 | *250.2* | 250.8 | 250.8 | 250.6 | 250.3 | 250.6 | 250.8 |
| 25.5° | 248.8 | 249.1 | 249.4 | 249.3 | *248.9* | 249.3 | 249.4 | 249.1 | 248.8 | 249.1 | 249.4 |
| 26° | 247.3 | 247.7 | 247.9 | 247.8 | *247.4* | 247.8 | 247.9 | 247.7 | 247.3 | 247.7 | 247.9 |
| 26.5° | 245.9 | 246.2 | 246.4 | 246.3 | *245.9* | 246.3 | 246.4 | 246.2 | 245.9 | 246.2 | 246.4 |
| 27° | 244.3 | 244.8 | 244.9 | 244.9 | *244.4* | 244.9 | 244.9 | 244.8 | 244.3 | 244.8 | 244.9 |
| 27.5° | 242.9 | 243.2 | 243.4 | 243.3 | *242.8* | 243.3 | 243.4 | 243.2 | 242.9 | 243.2 | 243.4 |
| 28° | 241.2 | 241.7 | 241.8 | 241.7 | *241.2* | 241.7 | 241.8 | 241.7 | 241.2 | 241.7 | 241.8 |
| 28.5° | 239.7 | 240.1 | 240.3 | 240.1 | *239.7* | 240.1 | 240.3 | 240.1 | 239.7 | 240.1 | 240.3 |
| 29° | 238.1 | 238.5 | 238.7 | 238.6 | *238.1* | 238.6 | 238.7 | 238.5 | 238.1 | 238.5 | 238.7 |
| 29.5° | 236.4 | 236.9 | 237.1 | 237.0 | *236.5* | 237.0 | 237.1 | 236.9 | 236.4 | 236.9 | 237.1 |
| 30° | 234.8 | 235.3 | 235.4 | 235.4 | *234.8* | 235.4 | 235.4 | 235.3 | 234.8 | 235.3 | 235.4 |
| 30.5° | 233.2 | 233.6 | 233.8 | 233.7 | *233.2* | 233.7 | 233.8 | 233.6 | 233.2 | 233.6 | 233.8 |
| 31° | 231.6 | 231.9 | 232.1 | 232.0 | *231.6* | 232.0 | 232.1 | 231.9 | 231.6 | 231.9 | 232.1 |
| 31.5° | 229.8 | 230.3 | 230.5 | 230.3 | *230.0* | 230.3 | 230.5 | 230.3 | 229.8 | 230.3 | 230.5 |
| 32° | 228.1 | 228.6 | 228.7 | 228.7 | *228.2* | 228.7 | 228.7 | 228.6 | 228.1 | 228.6 | 228.7 |
| 32.5° | 226.4 | 226.8 | 227.0 | 226.9 | *226.5* | 226.9 | 227.0 | 226.8 | 226.4 | 226.8 | 227.0 |
| 33° | 224.7 | 225.1 | 225.3 | 225.1 | *224.7* | 225.1 | 225.3 | 225.1 | 224.7 | 225.1 | 225.3 |
| 33.5° | 222.9 | 223.3 | 223.5 | 223.4 | *223.0* | 223.4 | 223.5 | 223.3 | 222.9 | 223.3 | 223.5 |
| 34° | 221.1 | 221.6 | 221.7 | 221.7 | *221.1* | 221.7 | 221.7 | 221.6 | 221.1 | 221.6 | 221.7 |
| 34.5° | 219.3 | 219.8 | 219.9 | 219.9 | *219.4* | 219.9 | 219.9 | 219.8 | 219.3 | 219.8 | 219.9 |
| 35° | 217.4 | 218.0 | 218.1 | 218.1 | *217.6* | 218.1 | 218.1 | 218.0 | 217.4 | 218.0 | 218.1 |
| 35.5° | 215.7 | 216.1 | 216.3 | 216.2 | *215.8* | 216.2 | 216.3 | 216.1 | 215.7 | 216.1 | 216.3 |
| 36° | 213.8 | 214.3 | 214.4 | 214.4 | *213.9* | 214.4 | 214.4 | 214.3 | 213.8 | 214.3 | 214.4 |
| 36.5° | 212.0 | 212.5 | 212.5 | 212.5 | *212.1* | 212.5 | 212.5 | 212.5 | 212.0 | 212.5 | 212.5 |
| 37° | 210.1 | 210.6 | 210.7 | 210.6 | *210.2* | 210.6 | 210.7 | 210.6 | 210.1 | 210.6 | 210.7 |
| 37.5° | 208.2 | 208.7 | 208.9 | 208.8 | *208.3* | 208.8 | 208.9 | 208.7 | 208.2 | 208.7 | 208.9 |
| 38° | 206.3 | 206.8 | 206.9 | 206.9 | *206.4* | 206.9 | 206.9 | 206.8 | 206.3 | 206.8 | 206.9 |
| 38.5° | 204.4 | 204.9 | 205.0 | 205.0 | *204.5* | 205.0 | 205.0 | 204.9 | 204.4 | 204.9 | 205.0 |
| 39° | 202.5 | 203.0 | 203.1 | 203.0 | *202.6* | 203.0 | 203.1 | 203.0 | 202.5 | 203.0 | 203.1 |
| 39.5° | 200.5 | 201.0 | 201.2 | 201.1 | *200.6* | 201.1 | 201.2 | 201.0 | 200.5 | 201.0 | 201.2 |
| 40° | 198.5 | 199.1 | 199.3 | 199.2 | *198.7* | 199.2 | 199.3 | 199.1 | 198.5 | 199.1 | 199.3 |
| 40.5° | 196.6 | 197.2 | 197.3 | 197.2 | *196.8* | 197.2 | 197.3 | 197.2 | 196.6 | 197.2 | 197.3 |
| 41° | 194.7 | 195.2 | 195.3 | 195.2 | *194.8* | 195.2 | 195.3 | 195.2 | 194.7 | 195.2 | 195.3 |
| 41.5° | 192.7 | 193.2 | 193.3 | 193.2 | *192.8* | 193.2 | 193.3 | 193.2 | 192.7 | 193.2 | 193.3 |
| 42° | 190.7 | 191.3 | 191.3 | 191.2 | *190.8* | 191.2 | 191.3 | 191.3 | 190.7 | 191.3 | 191.3 |
| 42.5° | 188.7 | 189.3 | 189.4 | 189.3 | *188.8* | 189.3 | 189.4 | 189.3 | 188.7 | 189.3 | 189.4 |
| 43° | 186.7 | 187.3 | 187.4 | 187.2 | *186.8* | 187.2 | 187.4 | 187.3 | 186.7 | 187.3 | 187.4 |
| 43.5° | 184.6 | 185.3 | 185.3 | 185.2 | *184.9* | 185.2 | 185.3 | 185.3 | 184.6 | 185.3 | 185.3 |
| 44° | 182.6 | 183.2 | 183.2 | 183.2 | *182.9* | 183.2 | 183.2 | 183.2 | 182.6 | 183.2 | 183.2 |
| 44.5° | 180.6 | 181.2 | 181.3 | 181.2 | *180.9* | 181.2 | 181.3 | 181.2 | 180.6 | 181.2 | 181.3 |

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Scaled Data Report

TEST NUMBER: P1596602
CATALOG NUMBER: HLB2SLSFS5-HI-5000K

**CANDELA DISTRIBUTION (continued):**

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 45° | 178.5 | 179.2 | 179.3 | 179.2 | *178.8* | 179.2 | 179.3 | 179.2 | 178.5 | 179.2 | 179.3 |
| 45.5° | 176.5 | 177.1 | 177.2 | 177.1 | *176.8* | 177.1 | 177.2 | 177.1 | 176.5 | 177.1 | 177.2 |
| 46° | 174.5 | 175.1 | 175.1 | 175.1 | *174.7* | 175.1 | 175.1 | 175.1 | 174.5 | 175.1 | 175.1 |
| 46.5° | 172.5 | 173.1 | 173.1 | 173.0 | *172.6* | 173.0 | 173.1 | 173.1 | 172.5 | 173.1 | 173.1 |
| 47° | 170.4 | 171.0 | 171.0 | 170.9 | *170.6* | 170.9 | 171.0 | 171.0 | 170.4 | 171.0 | 171.0 |
| 47.5° | 168.4 | 168.9 | 169.0 | 168.8 | *168.6* | 168.8 | 169.0 | 168.9 | 168.4 | 168.9 | 169.0 |
| 48° | 166.3 | 166.9 | 166.9 | 166.9 | *166.5* | 166.9 | 166.9 | 166.9 | 166.3 | 166.9 | 166.9 |
| 48.5° | 164.3 | 164.8 | 164.8 | 164.7 | *164.4* | 164.7 | 164.8 | 164.8 | 164.3 | 164.8 | 164.8 |
| 49° | 162.2 | 162.7 | 162.7 | 162.6 | *162.2* | 162.6 | 162.7 | 162.7 | 162.2 | 162.7 | 162.7 |
| 49.5° | 160.1 | 160.6 | 160.7 | 160.6 | *160.2* | 160.6 | 160.7 | 160.6 | 160.1 | 160.6 | 160.7 |
| 50° | 158.0 | 158.5 | 158.6 | 158.6 | *158.1* | 158.6 | 158.6 | 158.5 | 158.0 | 158.5 | 158.6 |
| 50.5° | 156.0 | 156.4 | 156.5 | 156.4 | *156.0* | 156.4 | 156.5 | 156.4 | 156.0 | 156.4 | 156.5 |
| 51° | 154.0 | 154.2 | 154.3 | 154.3 | *153.8* | 154.3 | 154.3 | 154.2 | 154.0 | 154.2 | 154.3 |
| 51.5° | 151.9 | 152.1 | 152.2 | 152.2 | *151.8* | 152.2 | 152.2 | 152.1 | 151.9 | 152.1 | 152.2 |
| 52° | 149.8 | 150.0 | 150.1 | 150.2 | *149.6* | 150.2 | 150.1 | 150.0 | 149.8 | 150.0 | 150.1 |
| 52.5° | 147.7 | 147.9 | 148.0 | 148.1 | *147.4* | 148.1 | 148.0 | 147.9 | 147.7 | 147.9 | 148.0 |
| 53° | 145.6 | 145.7 | 145.8 | 146.0 | *145.3* | 146.0 | 145.8 | 145.7 | 145.6 | 145.7 | 145.8 |
| 53.5° | 143.5 | 143.5 | 143.7 | 143.9 | *143.2* | 143.9 | 143.7 | 143.5 | 143.5 | 143.5 | 143.7 |
| 54° | 141.4 | 141.4 | 141.6 | 141.8 | *141.1* | 141.8 | 141.6 | 141.4 | 141.4 | 141.4 | 141.6 |
| 54.5° | 139.3 | 139.2 | 139.5 | 139.6 | *138.9* | 139.6 | 139.5 | 139.2 | 139.3 | 139.2 | 139.5 |
| 55° | 137.1 | 137.1 | 137.3 | 137.5 | *136.7* | 137.5 | 137.3 | 137.1 | 137.1 | 137.1 | 137.3 |
| 55.5° | 134.9 | 134.9 | 135.1 | 135.4 | *134.6* | 135.4 | 135.1 | 134.9 | 134.9 | 134.9 | 135.1 |
| 56° | 132.8 | 132.8 | 133.0 | 133.2 | *132.5* | 133.2 | 133.0 | 132.8 | 132.8 | 132.8 | 133.0 |
| 56.5° | 130.7 | 130.6 | 130.9 | 131.0 | *130.3* | 131.0 | 130.9 | 130.6 | 130.7 | 130.6 | 130.9 |
| 57° | 128.4 | 128.5 | 128.7 | 128.9 | *128.1* | 128.9 | 128.7 | 128.5 | 128.4 | 128.5 | 128.7 |
| 57.5° | 126.2 | 126.3 | 126.5 | 126.7 | *125.9* | 126.7 | 126.5 | 126.3 | 126.2 | 126.3 | 126.5 |
| 58° | 124.1 | 124.1 | 124.3 | 124.6 | *123.8* | 124.6 | 124.3 | 124.1 | 124.1 | 124.1 | 124.3 |
| 58.5° | 122.0 | 122.0 | 122.2 | 122.4 | *121.7* | 122.4 | 122.2 | 122.0 | 122.0 | 122.0 | 122.2 |
| 59° | 119.7 | 119.9 | 120.0 | 120.2 | *119.5* | 120.2 | 120.0 | 119.9 | 119.7 | 119.9 | 120.0 |
| 59.5° | 117.5 | 117.7 | 117.8 | 118.0 | *117.4* | 118.0 | 117.8 | 117.7 | 117.5 | 117.7 | 117.8 |
| 60° | 115.4 | 115.5 | 115.6 | 115.8 | *115.3* | 115.8 | 115.6 | 115.5 | 115.4 | 115.5 | 115.6 |
| 60.5° | 113.2 | 113.3 | 113.5 | 113.6 | *113.1* | 113.6 | 113.5 | 113.3 | 113.2 | 113.3 | 113.5 |
| 61° | 111.0 | 111.2 | 111.3 | 111.4 | *111.0* | 111.4 | 111.3 | 111.2 | 111.0 | 111.2 | 111.3 |
| 61.5° | 108.8 | 109.0 | 109.1 | 109.2 | *108.9* | 109.2 | 109.1 | 109.0 | 108.8 | 109.0 | 109.1 |
| 62° | 106.6 | 106.8 | 106.9 | 107.0 | *106.7* | 107.0 | 106.9 | 106.8 | 106.6 | 106.8 | 106.9 |
| 62.5° | 104.4 | 104.7 | 104.7 | 104.8 | *104.6* | 104.8 | 104.7 | 104.7 | 104.4 | 104.7 | 104.7 |
| 63° | 102.2 | 102.5 | 102.5 | 102.6 | *102.4* | 102.6 | 102.5 | 102.5 | 102.2 | 102.5 | 102.5 |
| 63.5° | 100.0 | 100.3 | 100.3 | 100.4 | *100.3* | 100.4 | 100.3 | 100.3 | 100.0 | 100.3 | 100.3 |
| 64° | 97.8 | 98.2 | 98.1 | 98.2 | *98.0* | 98.2 | 98.1 | 98.2 | 97.8 | 98.2 | 98.1 |
| 64.5° | 95.6 | 96.0 | 95.9 | 96.0 | *95.9* | 96.0 | 95.9 | 96.0 | 95.6 | 96.0 | 95.9 |
| 65° | 93.4 | 93.9 | 93.8 | 93.8 | *93.8* | 93.8 | 93.8 | 93.9 | 93.4 | 93.9 | 93.8 |
| 65.5° | 91.2 | 91.7 | 91.6 | 91.6 | *91.7* | 91.6 | 91.6 | 91.7 | 91.2 | 91.7 | 91.6 |
| 66° | 89.0 | 89.5 | 89.4 | 89.4 | *89.5* | 89.4 | 89.4 | 89.5 | 89.0 | 89.5 | 89.4 |
| 66.5° | 86.8 | 87.3 | 87.2 | 87.2 | *87.4* | 87.2 | 87.2 | 87.3 | 86.8 | 87.3 | 87.2 |
| 67° | 84.5 | 85.1 | 85.1 | 85.0 | *85.3* | 85.0 | 85.1 | 85.1 | 84.5 | 85.1 | 85.1 |

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

Scaled Data Report

TEST NUMBER: P1596602
CATALOG NUMBER: HLB2SLSFS5-HI-5000K

**CANDELA DISTRIBUTION (continued):**

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 67.5° | 82.4 | 83.0 | 82.9 | 82.8 | 83.1 | 82.8 | 82.9 | 83.0 | 82.4 | 83.0 | 82.9 |
| 68° | 80.2 | 80.8 | 80.7 | 80.6 | 80.9 | 80.6 | 80.7 | 80.8 | 80.2 | 80.8 | 80.7 |
| 68.5° | 78.0 | 78.7 | 78.6 | 78.5 | 78.8 | 78.5 | 78.6 | 78.7 | 78.0 | 78.7 | 78.6 |
| 69° | 75.9 | 76.5 | 76.4 | 76.3 | 76.7 | 76.3 | 76.4 | 76.5 | 75.9 | 76.5 | 76.4 |
| 69.5° | 73.7 | 74.4 | 74.3 | 74.1 | 74.5 | 74.1 | 74.3 | 74.4 | 73.7 | 74.4 | 74.3 |
| 70° | 71.5 | 72.3 | 72.1 | 72.0 | 72.4 | 72.0 | 72.1 | 72.3 | 71.5 | 72.3 | 72.1 |
| 70.5° | 69.4 | 70.2 | 70.0 | 69.9 | 70.3 | 69.9 | 70.0 | 70.2 | 69.4 | 70.2 | 70.0 |
| 71° | 67.3 | 68.1 | 67.9 | 67.8 | 68.3 | 67.8 | 67.9 | 68.1 | 67.3 | 68.1 | 67.9 |
| 71.5° | 65.2 | 66.0 | 65.9 | 65.7 | 66.2 | 65.7 | 65.9 | 66.0 | 65.2 | 66.0 | 65.9 |
| 72° | 63.1 | 63.9 | 63.8 | 63.6 | 64.0 | 63.6 | 63.8 | 63.9 | 63.1 | 63.9 | 63.8 |
| 72.5° | 61.1 | 61.8 | 61.7 | 61.5 | 62.0 | 61.5 | 61.7 | 61.8 | 61.1 | 61.8 | 61.7 |
| 73° | 59.0 | 59.8 | 59.7 | 59.5 | 59.9 | 59.5 | 59.7 | 59.8 | 59.0 | 59.8 | 59.7 |
| 73.5° | 57.0 | 57.7 | 57.6 | 57.4 | 57.9 | 57.4 | 57.6 | 57.7 | 57.0 | 57.7 | 57.6 |
| 74° | 55.0 | 55.7 | 55.6 | 55.4 | 55.9 | 55.4 | 55.6 | 55.7 | 55.0 | 55.7 | 55.6 |
| 74.5° | 52.9 | 53.7 | 53.6 | 53.4 | 53.8 | 53.4 | 53.6 | 53.7 | 52.9 | 53.7 | 53.6 |
| 75° | 51.0 | 51.6 | 51.6 | 51.4 | 51.8 | 51.4 | 51.6 | 51.6 | 51.0 | 51.6 | 51.6 |
| 75.5° | 49.0 | 49.6 | 49.5 | 49.4 | 49.8 | 49.4 | 49.5 | 49.6 | 49.0 | 49.6 | 49.5 |
| 76° | 47.0 | 47.6 | 47.5 | 47.4 | 47.7 | 47.4 | 47.5 | 47.6 | 47.0 | 47.6 | 47.5 |
| 76.5° | 45.0 | 45.6 | 45.5 | 45.4 | 45.7 | 45.4 | 45.5 | 45.6 | 45.0 | 45.6 | 45.5 |
| 77° | 43.1 | 43.6 | 43.6 | 43.5 | 43.7 | 43.5 | 43.6 | 43.6 | 43.1 | 43.6 | 43.6 |
| 77.5° | 41.2 | 41.6 | 41.6 | 41.5 | 41.7 | 41.5 | 41.6 | 41.6 | 41.2 | 41.6 | 41.6 |
| 78° | 39.2 | 39.6 | 39.6 | 39.6 | 39.7 | 39.6 | 39.6 | 39.6 | 39.2 | 39.6 | 39.6 |
| 78.5° | 37.3 | 37.7 | 37.8 | 37.6 | 37.9 | 37.6 | 37.8 | 37.7 | 37.3 | 37.7 | 37.8 |
| 79° | 35.3 | 35.7 | 35.8 | 35.6 | 35.9 | 35.6 | 35.8 | 35.7 | 35.3 | 35.7 | 35.8 |
| 79.5° | 33.4 | 33.7 | 33.9 | 33.7 | 33.9 | 33.7 | 33.9 | 33.7 | 33.4 | 33.7 | 33.9 |
| 80° | 31.5 | 31.8 | 31.9 | 31.8 | 32.0 | 31.8 | 31.9 | 31.8 | 31.5 | 31.8 | 31.9 |
| 80.5° | 29.6 | 29.9 | 30.0 | 29.9 | 30.0 | 29.9 | 30.0 | 29.9 | 29.6 | 29.9 | 30.0 |
| 81° | 27.7 | 27.9 | 28.1 | 28.0 | 28.1 | 28.0 | 28.1 | 27.9 | 27.7 | 27.9 | 28.1 |
| 81.5° | 25.8 | 26.0 | 26.1 | 26.2 | 26.1 | 26.2 | 26.1 | 26.0 | 25.8 | 26.0 | 26.1 |
| 82° | 24.0 | 24.1 | 24.3 | 24.3 | 24.2 | 24.3 | 24.3 | 24.1 | 24.0 | 24.1 | 24.3 |
| 82.5° | 22.1 | 22.2 | 22.4 | 22.4 | 22.3 | 22.4 | 22.4 | 22.2 | 22.1 | 22.2 | 22.4 |
| 83° | 20.3 | 20.4 | 20.6 | 20.6 | 20.5 | 20.6 | 20.6 | 20.4 | 20.3 | 20.4 | 20.6 |
| 83.5° | 18.5 | 18.5 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.5 | 18.5 | 18.5 | 18.7 |
| 84° | 16.7 | 16.7 | 16.9 | 16.9 | 16.8 | 16.9 | 16.9 | 16.7 | 16.7 | 16.7 | 16.9 |
| 84.5° | 14.9 | 14.9 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 14.9 | 14.9 | 14.9 | 15.1 |
| 85° | 13.2 | 13.1 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.1 | 13.2 | 13.1 | 13.3 |
| 85.5° | 11.4 | 11.4 | 11.5 | 11.6 | 11.5 | 11.6 | 11.5 | 11.4 | 11.4 | 11.4 | 11.5 |
| 86° | 9.7 | 9.6 | 9.7 | 9.8 | 9.7 | 9.8 | 9.7 | 9.6 | 9.7 | 9.6 | 9.7 |
| 86.5° | 7.9 | 7.9 | 7.9 | 8.1 | 8.0 | 8.1 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 |
| 87° | 6.2 | 6.1 | 6.2 | 6.5 | 6.3 | 6.5 | 6.2 | 6.1 | 6.2 | 6.1 | 6.2 |
| 87.5° | 4.5 | 4.5 | 4.7 | 5.0 | 4.6 | 5.0 | 4.7 | 4.5 | 4.5 | 4.5 | 4.7 |
| 88° | 2.9 | 3.0 | 3.2 | 3.6 | 3.1 | 3.6 | 3.2 | 3.0 | 2.9 | 3.0 | 3.2 |
| 88.5° | 1.7 | 1.9 | 2.0 | 2.4 | 2.1 | 2.4 | 2.0 | 1.9 | 1.7 | 1.9 | 2.0 |
| 89° | 1.0 | 1.1 | 1.1 | 1.4 | 1.6 | 1.4 | 1.1 | 1.1 | 1.0 | 1.1 | 1.1 |
| 89.5° | 0.5 | 0.5 | 0.6 | 0.8 | 1.1 | 0.8 | 0.6 | 0.5 | 0.5 | 0.5 | 0.6 |

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

Scaled Data Report

TEST NUMBER: P1596602
CATALOG NUMBER: HLB2SLSFS5-HI-5000K

**CANDELA DISTRIBUTION (continued):**

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 90° | 0.0 | 0.3 | 0.3 | 0.3 | 0.6 | 0.3 | 0.3 | 0.3 | 0.0 | 0.3 | 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 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95.5° | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 96° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 96.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 97° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 97.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 98° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 98.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 99° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 99.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 100° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 100.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 101° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 101.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 102° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 102.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 103° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 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: P1596602
CATALOG NUMBER: HLB2SLSFS5-HI-5000K

**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: P1596602
CATALOG NUMBER: HLB2SLSFS5-HI-5000K

**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 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 |
| 138° | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 | 0.2 |
| 138.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 139° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 139.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 140° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 140.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 141° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 141.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 142° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 142.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 143° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 143.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 144° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 144.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 145° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 145.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 146° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 146.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 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: P1596602
CATALOG NUMBER: HLB2SLSFS5-HI-5000K

**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: P1596602
CATALOG NUMBER: HLB2SLSFS5-HI-5000K

**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 |

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Scaled Data Report

TEST NUMBER: P1596602
CATALOG NUMBER: HLB2SLSFS5-HI-5000K

**CANDELA DISTRIBUTION (continued):**

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|---|---|---|---|---|---|---|
| 0° | 287.7 | 287.7 | 287.7 | 287.7 | 287.7 | 287.7 |
| 0.5° | *287.7* | *287.8* | *287.7* | *287.7* | *287.7* | *287.7* |
| 1° | 287.7 | 287.7 | 287.7 | 287.6 | 287.7 | 287.7 |
| 1.5° | 287.5 | 287.6 | 287.5 | 287.6 | 287.6 | 287.6 |
| 2° | 287.4 | 287.4 | 287.4 | 287.4 | 287.5 | 287.5 |
| 2.5° | 287.4 | 287.4 | 287.4 | 287.4 | 287.5 | 287.5 |
| 3° | 287.2 | 287.2 | 287.2 | 287.2 | 287.3 | 287.3 |
| 3.5° | 287.0 | 287.1 | 287.0 | 287.0 | 287.0 | 287.1 |
| 4° | 286.7 | 286.8 | 286.7 | 286.8 | 286.8 | 286.8 |
| 4.5° | 286.5 | 286.5 | 286.5 | 286.6 | 286.6 | 286.6 |
| 5° | 286.3 | 286.4 | 286.3 | 286.3 | 286.4 | 286.3 |
| 5.5° | 285.9 | 286.0 | 285.9 | 286.0 | 286.0 | 286.1 |
| 6° | 285.6 | 285.6 | 285.6 | 285.6 | 285.6 | 285.7 |
| 6.5° | 285.2 | 285.2 | 285.2 | 285.3 | 285.3 | 285.3 |
| 7° | 284.8 | 284.9 | 284.8 | 284.9 | 284.9 | 284.8 |
| 7.5° | 284.4 | 284.4 | 284.4 | 284.5 | 284.5 | 284.5 |
| 8° | 284.0 | 283.9 | 284.0 | 284.0 | 284.1 | 284.0 |
| 8.5° | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 | 283.4 |
| 9° | 282.9 | 282.9 | 282.9 | 282.9 | 283.0 | 282.9 |
| 9.5° | 282.3 | 282.2 | 282.3 | 282.4 | 282.5 | 282.4 |
| 10° | 281.7 | 281.6 | 281.7 | 281.8 | 281.8 | 281.9 |
| 10.5° | 281.2 | 281.1 | 281.2 | 281.2 | 281.2 | 281.1 |
| 11° | 280.6 | 280.5 | 280.6 | 280.6 | 280.6 | 280.4 |
| 11.5° | 279.8 | 279.8 | 279.8 | 279.9 | 279.9 | 279.7 |
| 12° | 279.0 | 279.0 | 279.0 | 279.1 | 279.1 | 279.1 |
| 12.5° | 278.4 | 278.3 | 278.4 | 278.4 | 278.4 | 278.3 |
| 13° | 277.7 | 277.5 | 277.7 | 277.7 | 277.7 | 277.5 |
| 13.5° | 276.8 | 276.7 | 276.8 | 276.9 | 276.9 | 276.6 |
| 14° | 276.0 | 275.8 | 276.0 | 276.0 | 276.0 | 275.8 |
| 14.5° | 275.1 | 275.0 | 275.1 | 275.2 | 275.1 | 275.0 |
| 15° | 274.2 | 274.1 | 274.2 | 274.3 | 274.2 | 274.1 |
| 15.5° | 273.3 | 273.1 | 273.3 | 273.4 | 273.3 | 273.1 |
| 16° | 272.4 | 272.1 | 272.4 | 272.4 | 272.4 | 272.1 |
| 16.5° | 271.4 | 271.2 | 271.4 | 271.5 | 271.4 | 271.2 |
| 17° | 270.3 | 270.2 | 270.3 | 270.5 | 270.4 | 270.1 |
| 17.5° | 269.4 | 269.1 | 269.4 | 269.5 | 269.3 | 269.2 |
| 18° | 268.3 | 268.0 | 268.3 | 268.4 | 268.2 | 268.1 |
| 18.5° | 267.2 | 267.0 | 267.2 | 267.3 | 267.2 | 266.9 |
| 19° | 266.1 | 265.8 | 266.1 | 266.2 | 266.1 | 265.8 |
| 19.5° | 265.0 | 264.7 | 265.0 | 265.1 | 264.9 | 264.6 |
| 20° | 263.8 | 263.5 | 263.8 | 263.9 | 263.7 | 263.5 |
| 20.5° | 262.6 | 262.3 | 262.6 | 262.6 | 262.5 | 262.3 |
| 21° | 261.3 | 261.1 | 261.3 | 261.5 | 261.3 | 261.0 |
| 21.5° | 260.1 | 259.8 | 260.1 | 260.2 | 260.1 | 259.8 |
| 22° | 258.8 | 258.5 | 258.8 | 258.9 | 258.7 | 258.5 |

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

Scaled Data Report

TEST NUMBER: P1596602
CATALOG NUMBER: HLB2SLSFS5-HI-5000K

**CANDELA DISTRIBUTION (continued):**

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|---|---|---|---|---|---|---|
| 22.5° | 257.5 | 257.2 | 257.5 | 257.7 | 257.5 | 257.2 |
| 23° | 256.2 | 255.8 | 256.2 | 256.4 | 256.1 | 255.8 |
| 23.5° | 254.9 | 254.5 | 254.9 | 255.0 | 254.9 | 254.5 |
| 24° | 253.5 | 253.2 | 253.5 | 253.6 | 253.5 | 253.1 |
| 24.5° | 252.1 | 251.7 | 252.1 | 252.2 | 252.1 | 251.7 |
| 25° | 250.8 | 250.2 | 250.8 | 250.8 | 250.6 | 250.3 |
| 25.5° | 249.3 | 248.9 | 249.3 | 249.4 | 249.1 | 248.8 |
| 26° | 247.8 | 247.4 | 247.8 | 247.9 | 247.7 | 247.3 |
| 26.5° | 246.3 | 245.9 | 246.3 | 246.4 | 246.2 | 245.9 |
| 27° | 244.9 | 244.4 | 244.9 | 244.9 | 244.8 | 244.3 |
| 27.5° | 243.3 | 242.8 | 243.3 | 243.4 | 243.2 | 242.9 |
| 28° | 241.7 | 241.2 | 241.7 | 241.8 | 241.7 | 241.2 |
| 28.5° | 240.1 | 239.7 | 240.1 | 240.3 | 240.1 | 239.7 |
| 29° | 238.6 | 238.1 | 238.6 | 238.7 | 238.5 | 238.1 |
| 29.5° | 237.0 | 236.5 | 237.0 | 237.1 | 236.9 | 236.4 |
| 30° | 235.4 | 234.8 | 235.4 | 235.4 | 235.3 | 234.8 |
| 30.5° | 233.7 | 233.2 | 233.7 | 233.8 | 233.6 | 233.2 |
| 31° | 232.0 | 231.6 | 232.0 | 232.1 | 231.9 | 231.6 |
| 31.5° | 230.3 | 230.0 | 230.3 | 230.5 | 230.3 | 229.8 |
| 32° | 228.7 | 228.2 | 228.7 | 228.7 | 228.6 | 228.1 |
| 32.5° | 226.9 | 226.5 | 226.9 | 227.0 | 226.8 | 226.4 |
| 33° | 225.1 | 224.7 | 225.1 | 225.3 | 225.1 | 224.7 |
| 33.5° | 223.4 | 223.0 | 223.4 | 223.5 | 223.3 | 222.9 |
| 34° | 221.7 | 221.1 | 221.7 | 221.7 | 221.6 | 221.1 |
| 34.5° | 219.9 | 219.4 | 219.9 | 219.9 | 219.8 | 219.3 |
| 35° | 218.1 | 217.6 | 218.1 | 218.1 | 218.0 | 217.4 |
| 35.5° | 216.2 | 215.8 | 216.2 | 216.3 | 216.1 | 215.7 |
| 36° | 214.4 | 213.9 | 214.4 | 214.4 | 214.3 | 213.8 |
| 36.5° | 212.5 | 212.1 | 212.5 | 212.5 | 212.5 | 212.0 |
| 37° | 210.6 | 210.2 | 210.6 | 210.7 | 210.6 | 210.1 |
| 37.5° | 208.8 | 208.3 | 208.8 | 208.9 | 208.7 | 208.2 |
| 38° | 206.9 | 206.4 | 206.9 | 206.9 | 206.8 | 206.3 |
| 38.5° | 205.0 | 204.5 | 205.0 | 205.0 | 204.9 | 204.4 |
| 39° | 203.0 | 202.6 | 203.0 | 203.1 | 203.0 | 202.5 |
| 39.5° | 201.1 | 200.6 | 201.1 | 201.2 | 201.0 | 200.5 |
| 40° | 199.2 | 198.7 | 199.2 | 199.3 | 199.1 | 198.5 |
| 40.5° | 197.2 | 196.8 | 197.2 | 197.3 | 197.2 | 196.6 |
| 41° | 195.2 | 194.8 | 195.2 | 195.3 | 195.2 | 194.7 |
| 41.5° | 193.2 | 192.8 | 193.2 | 193.3 | 193.2 | 192.7 |
| 42° | 191.2 | 190.8 | 191.2 | 191.3 | 191.3 | 190.7 |
| 42.5° | 189.3 | 188.8 | 189.3 | 189.4 | 189.3 | 188.7 |
| 43° | 187.2 | 186.8 | 187.2 | 187.4 | 187.3 | 186.7 |
| 43.5° | 185.2 | 184.9 | 185.2 | 185.3 | 185.3 | 184.6 |
| 44° | 183.2 | 182.9 | 183.2 | 183.2 | 183.2 | 182.6 |
| 44.5° | 181.2 | 180.9 | 181.2 | 181.3 | 181.2 | 180.6 |

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

Scaled Data Report

TEST NUMBER: P1596602
CATALOG NUMBER: HLB2SLSFS5-HI-5000K

**CANDELA DISTRIBUTION (continued):**

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|---|---|---|---|---|---|---|
| 45° | 179.2 | 178.8 | 179.2 | 179.3 | 179.2 | 178.5 |
| 45.5° | 177.1 | 176.8 | 177.1 | 177.2 | 177.1 | 176.5 |
| 46° | 175.1 | 174.7 | 175.1 | 175.1 | 175.1 | 174.5 |
| 46.5° | 173.0 | 172.6 | 173.0 | 173.1 | 173.1 | 172.5 |
| 47° | 170.9 | 170.6 | 170.9 | 171.0 | 171.0 | 170.4 |
| 47.5° | 168.8 | 168.6 | 168.8 | 169.0 | 168.9 | 168.4 |
| 48° | 166.9 | 166.5 | 166.9 | 166.9 | 166.9 | 166.3 |
| 48.5° | 164.7 | 164.4 | 164.7 | 164.8 | 164.8 | 164.3 |
| 49° | 162.6 | 162.2 | 162.6 | 162.7 | 162.7 | 162.2 |
| 49.5° | 160.6 | 160.2 | 160.6 | 160.7 | 160.6 | 160.1 |
| 50° | 158.6 | 158.1 | 158.6 | 158.6 | 158.5 | 158.0 |
| 50.5° | 156.4 | 156.0 | 156.4 | 156.5 | 156.4 | 156.0 |
| 51° | 154.3 | 153.8 | 154.3 | 154.3 | 154.2 | 154.0 |
| 51.5° | 152.2 | 151.8 | 152.2 | 152.2 | 152.1 | 151.9 |
| 52° | 150.2 | 149.6 | 150.2 | 150.1 | 150.0 | 149.8 |
| 52.5° | 148.1 | 147.4 | 148.1 | 148.0 | 147.9 | 147.7 |
| 53° | 146.0 | 145.3 | 146.0 | 145.8 | 145.7 | 145.6 |
| 53.5° | 143.9 | 143.2 | 143.9 | 143.7 | 143.5 | 143.5 |
| 54° | 141.8 | 141.1 | 141.8 | 141.6 | 141.4 | 141.4 |
| 54.5° | 139.6 | 138.9 | 139.6 | 139.5 | 139.2 | 139.3 |
| 55° | 137.5 | 136.7 | 137.5 | 137.3 | 137.1 | 137.1 |
| 55.5° | 135.4 | 134.6 | 135.4 | 135.1 | 134.9 | 134.9 |
| 56° | 133.2 | 132.5 | 133.2 | 133.0 | 132.8 | 132.8 |
| 56.5° | 131.0 | 130.3 | 131.0 | 130.9 | 130.6 | 130.7 |
| 57° | 128.9 | 128.1 | 128.9 | 128.7 | 128.5 | 128.4 |
| 57.5° | 126.7 | 125.9 | 126.7 | 126.5 | 126.3 | 126.2 |
| 58° | 124.6 | 123.8 | 124.6 | 124.3 | 124.1 | 124.1 |
| 58.5° | 122.4 | 121.7 | 122.4 | 122.2 | 122.0 | 122.0 |
| 59° | 120.2 | 119.5 | 120.2 | 120.0 | 119.9 | 119.7 |
| 59.5° | 118.0 | 117.4 | 118.0 | 117.8 | 117.7 | 117.5 |
| 60° | 115.8 | 115.3 | 115.8 | 115.6 | 115.5 | 115.4 |
| 60.5° | 113.6 | 113.1 | 113.6 | 113.5 | 113.3 | 113.2 |
| 61° | 111.4 | 111.0 | 111.4 | 111.3 | 111.2 | 111.0 |
| 61.5° | 109.2 | 108.9 | 109.2 | 109.1 | 109.0 | 108.8 |
| 62° | 107.0 | 106.7 | 107.0 | 106.9 | 106.8 | 106.6 |
| 62.5° | 104.8 | 104.6 | 104.8 | 104.7 | 104.7 | 104.4 |
| 63° | 102.6 | 102.4 | 102.6 | 102.5 | 102.5 | 102.2 |
| 63.5° | 100.4 | 100.3 | 100.4 | 100.3 | 100.3 | 100.0 |
| 64° | 98.2 | 98.0 | 98.2 | 98.1 | 98.2 | 97.8 |
| 64.5° | 96.0 | 95.9 | 96.0 | 95.9 | 96.0 | 95.6 |
| 65° | 93.8 | 93.8 | 93.8 | 93.8 | 93.9 | 93.4 |
| 65.5° | 91.6 | 91.7 | 91.6 | 91.6 | 91.7 | 91.2 |
| 66° | 89.4 | 89.5 | 89.4 | 89.4 | 89.5 | 89.0 |
| 66.5° | 87.2 | 87.4 | 87.2 | 87.2 | 87.3 | 86.8 |
| 67° | 85.0 | 85.3 | 85.0 | 85.1 | 85.1 | 84.5 |

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

Scaled Data Report

TEST NUMBER: P1596602
CATALOG NUMBER: HLB2SLSFS5-HI-5000K

**CANDELA DISTRIBUTION (continued):**

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|---|---|---|---|---|---|---|
| 67.5° | 82.8 | 83.1 | 82.8 | 82.9 | 83.0 | 82.4 |
| 68° | 80.6 | 80.9 | 80.6 | 80.7 | 80.8 | 80.2 |
| 68.5° | 78.5 | 78.8 | 78.5 | 78.6 | 78.7 | 78.0 |
| 69° | 76.3 | 76.7 | 76.3 | 76.4 | 76.5 | 75.9 |
| 69.5° | 74.1 | 74.5 | 74.1 | 74.3 | 74.4 | 73.7 |
| 70° | 72.0 | 72.4 | 72.0 | 72.1 | 72.3 | 71.5 |
| 70.5° | 69.9 | 70.3 | 69.9 | 70.0 | 70.2 | 69.4 |
| 71° | 67.8 | 68.3 | 67.8 | 67.9 | 68.1 | 67.3 |
| 71.5° | 65.7 | 66.2 | 65.7 | 65.9 | 66.0 | 65.2 |
| 72° | 63.6 | 64.0 | 63.6 | 63.8 | 63.9 | 63.1 |
| 72.5° | 61.5 | 62.0 | 61.5 | 61.7 | 61.8 | 61.1 |
| 73° | 59.5 | 59.9 | 59.5 | 59.7 | 59.8 | 59.0 |
| 73.5° | 57.4 | 57.9 | 57.4 | 57.6 | 57.7 | 57.0 |
| 74° | 55.4 | 55.9 | 55.4 | 55.6 | 55.7 | 55.0 |
| 74.5° | 53.4 | 53.8 | 53.4 | 53.6 | 53.7 | 52.9 |
| 75° | 51.4 | 51.8 | 51.4 | 51.6 | 51.6 | 51.0 |
| 75.5° | 49.4 | 49.8 | 49.4 | 49.5 | 49.6 | 49.0 |
| 76° | 47.4 | 47.7 | 47.4 | 47.5 | 47.6 | 47.0 |
| 76.5° | 45.4 | 45.7 | 45.4 | 45.5 | 45.6 | 45.0 |
| 77° | 43.5 | 43.7 | 43.5 | 43.6 | 43.6 | 43.1 |
| 77.5° | 41.5 | 41.7 | 41.5 | 41.6 | 41.6 | 41.2 |
| 78° | 39.6 | 39.7 | 39.6 | 39.6 | 39.6 | 39.2 |
| 78.5° | 37.6 | 37.9 | 37.6 | 37.8 | 37.7 | 37.3 |
| 79° | 35.6 | 35.9 | 35.6 | 35.8 | 35.7 | 35.3 |
| 79.5° | 33.7 | 33.9 | 33.7 | 33.9 | 33.7 | 33.4 |
| 80° | 31.8 | 32.0 | 31.8 | 31.9 | 31.8 | 31.5 |
| 80.5° | 29.9 | 30.0 | 29.9 | 30.0 | 29.9 | 29.6 |
| 81° | 28.0 | 28.1 | 28.0 | 28.1 | 27.9 | 27.7 |
| 81.5° | 26.2 | 26.1 | 26.2 | 26.1 | 26.0 | 25.8 |
| 82° | 24.3 | 24.2 | 24.3 | 24.3 | 24.1 | 24.0 |
| 82.5° | 22.4 | 22.3 | 22.4 | 22.4 | 22.2 | 22.1 |
| 83° | 20.6 | 20.5 | 20.6 | 20.6 | 20.4 | 20.3 |
| 83.5° | 18.7 | 18.7 | 18.7 | 18.7 | 18.5 | 18.5 |
| 84° | 16.9 | 16.8 | 16.9 | 16.9 | 16.7 | 16.7 |
| 84.5° | 15.1 | 15.1 | 15.1 | 15.1 | 14.9 | 14.9 |
| 85° | 13.3 | 13.3 | 13.3 | 13.3 | 13.1 | 13.2 |
| 85.5° | 11.6 | 11.5 | 11.6 | 11.5 | 11.4 | 11.4 |
| 86° | 9.8 | 9.7 | 9.8 | 9.7 | 9.6 | 9.7 |
| 86.5° | 8.1 | 8.0 | 8.1 | 7.9 | 7.9 | 7.9 |
| 87° | 6.5 | 6.3 | 6.5 | 6.2 | 6.1 | 6.2 |
| 87.5° | 5.0 | 4.6 | 5.0 | 4.7 | 4.5 | 4.5 |
| 88° | 3.6 | 3.1 | 3.6 | 3.2 | 3.0 | 2.9 |
| 88.5° | 2.4 | 2.1 | 2.4 | 2.0 | 1.9 | 1.7 |
| 89° | 1.4 | 1.6 | 1.4 | 1.1 | 1.1 | 1.0 |
| 89.5° | 0.8 | 1.1 | 0.8 | 0.6 | 0.5 | 0.5 |

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1596602
CATALOG NUMBER: HLB2SLSFS5-HI-5000K

**CANDELA DISTRIBUTION (continued):**

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|---|---|---|---|---|---|---|
| 90° | 0.3 | 0.6 | 0.3 | 0.3 | 0.3 | 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° | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 95.5° | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 96° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 96.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 97° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 97.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 98° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 98.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 99° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 99.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 100° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 100.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 101° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 101.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 102° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 102.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 103° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 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
1121 Highway 74 South
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Scaled Data Report

TEST NUMBER: P1596602
CATALOG NUMBER: HLB2SLSFS5-HI-5000K

**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: P1596602
CATALOG NUMBER: HLB2SLSFS5-HI-5000K

**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 | 0.2 | 0.1 | 0.1 |
| 138° | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 |
| 138.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 139° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 139.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 140° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 140.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 141° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 141.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 142° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 142.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 143° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 143.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 144° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 144.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 145° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 145.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 146° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 146.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 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: P1596602
CATALOG NUMBER: HLB2SLSFS5-HI-5000K

**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: P1596602
CATALOG NUMBER: HLB2SLSFS5-HI-5000K

**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 |

Cooper Lighting Solutions Photometric Lab
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TEST NUMBER: P1596602
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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 | 32.06 | 33.69 | 32.43 | 34.01 | 34.32 | 32.08 | 33.71 | 32.44 | 34.02 | 34.34 |
| | 3H | 33.86 | 35.34 | 34.24 | 35.66 | 36.03 | 33.88 | 35.36 | 34.26 | 35.69 | 36.05 |
| | 4H | 34.55 | 35.94 | 34.95 | 36.29 | 36.67 | 34.58 | 35.97 | 34.98 | 36.32 | 36.70 |
| | 6H | 35.08 | 36.37 | 35.49 | 36.73 | 37.13 | 35.11 | 36.40 | 35.53 | 36.77 | 37.16 |
| | 8H | 35.25 | 36.48 | 35.68 | 36.87 | 37.27 | 35.29 | 36.52 | 35.71 | 36.91 | 37.31 |
| | 12H | 35.33 | 36.50 | 35.76 | 36.89 | 37.32 | 35.36 | 36.54 | 35.79 | 36.92 | 37.35 |
| 4H | 2H | 32.70 | 34.08 | 33.09 | 34.43 | 34.81 | 32.71 | 34.10 | 33.11 | 34.45 | 34.82 |
| | 3H | 34.72 | 35.89 | 35.14 | 36.29 | 36.69 | 34.74 | 35.90 | 35.15 | 36.30 | 36.70 |
| | 4H | 35.55 | 36.61 | 35.98 | 37.02 | 37.46 | 35.57 | 36.62 | 36.00 | 37.04 | 37.47 |
| | 6H | 36.21 | 37.14 | 36.67 | 37.58 | 38.03 | 36.24 | 37.16 | 36.69 | 37.60 | 38.06 |
| | 8H | 36.43 | 37.30 | 36.90 | 37.74 | 38.21 | 36.46 | 37.32 | 36.92 | 37.77 | 38.23 |
| | 12H | 36.56 | 37.34 | 37.05 | 37.82 | 38.29 | 36.59 | 37.37 | 37.07 | 37.84 | 38.32 |
| 8H | 4H | 35.88 | 36.74 | 36.34 | 37.19 | 37.65 | 35.90 | 36.76 | 36.36 | 37.20 | 37.67 |
| | 6H | 36.67 | 37.39 | 37.17 | 37.88 | 38.36 | 36.69 | 37.41 | 37.19 | 37.90 | 38.38 |
| | 8H | 36.97 | 37.61 | 37.48 | 38.12 | 38.61 | 36.99 | 37.64 | 37.50 | 38.14 | 38.63 |
| | 12H | 37.18 | 37.75 | 37.68 | 38.24 | 38.80 | 37.20 | 37.77 | 37.71 | 38.26 | 38.83 |
| 12H | 4H | 35.92 | 36.70 | 36.40 | 37.17 | 37.64 | 35.93 | 36.71 | 36.42 | 37.19 | 37.66 |
| | 6H | 36.74 | 37.38 | 37.25 | 37.89 | 38.38 | 36.75 | 37.40 | 37.26 | 37.91 | 38.40 |
| | 8H | 37.09 | 37.66 | 37.60 | 38.15 | 38.72 | 37.12 | 37.69 | 37.62 | 38.18 | 38.74 |

END OF REPORT