

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: P1175576

Luminaire Tested: HLA305FS5-3500K

Issue Date: 8/26/2025

**Test Information**

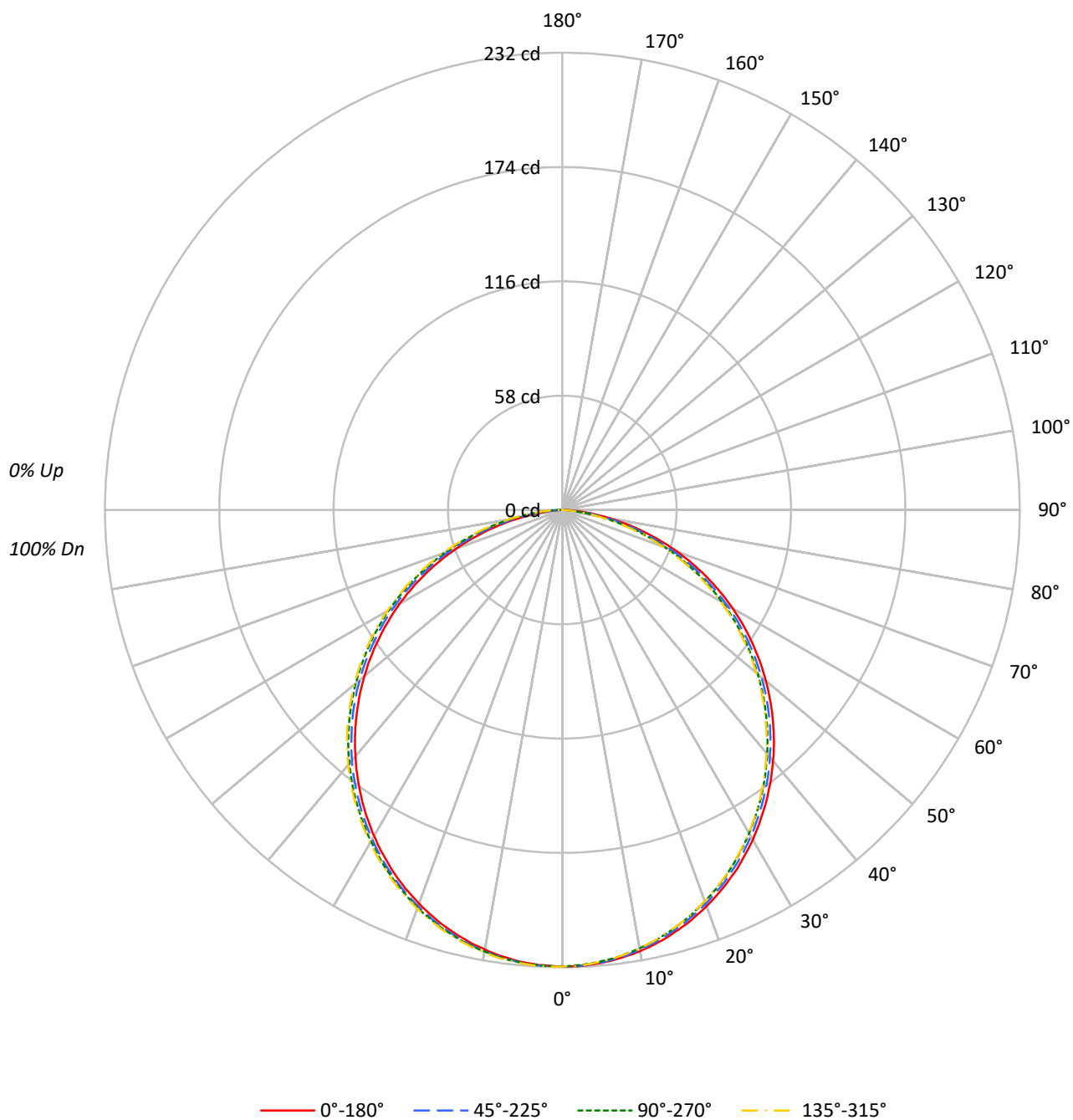
Test Method: LM-79-2019  
Report Number: P1175576  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2501308A001)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/26/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: HLA305FS5-3500K  
Description: HLA SUPER ADJUSTABLE GIMBAL 3 inch at 3500K CCT  
  
Light Source:  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 640.0 lumens  
Efficiency: N/A  
Efficacy: 95.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.35  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 6.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: >0.9  
Total Harmonic Distortion (THDi): <20  
Frequency (hertz): 60  
Stabilization Time: HR  
Operation Time: HR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1175576  
CATALOG NUMBER: HLA305FS5-3500K

### Luminous Intensity Polar Plot



TEST NUMBER: P1175576

CATALOG NUMBER: HLA305FS5-3500K

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

|     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |  |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|-----|-----|--|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     |  | 20  |     |     |  |     | 20  |     |  |     |     | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     |  | 50  |     |     |  |     | 30  |     |  |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |  |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 |  | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 |
| 1   | 109 | 104 | 100 | 96  | 106 | 102 | 98  | 95  |  | 98  | 94  | 92  |  | 94  | 91  | 89  |  | 90  | 88  | 86  |
| 2   | 99  | 91  | 84  | 78  | 96  | 89  | 83  | 77  |  | 85  | 80  | 76  |  | 82  | 78  | 74  |  | 79  | 75  | 72  |
| 3   | 90  | 80  | 72  | 65  | 88  | 78  | 71  | 65  |  | 75  | 69  | 63  |  | 72  | 67  | 62  |  | 70  | 65  | 61  |
| 4   | 83  | 71  | 62  | 55  | 80  | 69  | 61  | 55  |  | 67  | 60  | 54  |  | 64  | 58  | 53  |  | 62  | 57  | 53  |
| 5   | 76  | 63  | 54  | 48  | 74  | 62  | 54  | 47  |  | 60  | 52  | 47  |  | 58  | 51  | 46  |  | 56  | 50  | 46  |
| 6   | 70  | 57  | 48  | 41  | 68  | 56  | 47  | 41  |  | 54  | 47  | 41  |  | 52  | 46  | 41  |  | 51  | 45  | 40  |
| 7   | 65  | 52  | 43  | 37  | 63  | 51  | 42  | 37  |  | 49  | 42  | 36  |  | 48  | 41  | 36  |  | 46  | 40  | 36  |
| 8   | 61  | 47  | 39  | 33  | 59  | 46  | 38  | 33  |  | 45  | 38  | 32  |  | 44  | 37  | 32  |  | 43  | 37  | 32  |
| 9   | 57  | 43  | 35  | 29  | 55  | 43  | 35  | 29  |  | 41  | 34  | 29  |  | 40  | 34  | 29  |  | 39  | 33  | 29  |
| 10  | 53  | 40  | 32  | 27  | 52  | 39  | 32  | 27  |  | 38  | 31  | 26  |  | 37  | 31  | 26  |  | 36  | 31  | 26  |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 50807 | 50807 | 50807 | 50807 |
| 5°  | 50781 | 50583 | 50693 | 50803 |
| 10° | 50611 | 50300 | 50411 | 50656 |
| 15° | 50284 | 49853 | 50080 | 50420 |
| 20° | 49938 | 49331 | 49611 | 50101 |
| 25° | 49454 | 48704 | 49043 | 49648 |
| 30° | 48919 | 47982 | 48362 | 49172 |
| 35° | 48292 | 47194 | 47596 | 48640 |
| 40° | 47603 | 46258 | 46745 | 48090 |
| 45° | 46858 | 45276 | 45772 | 47416 |
| 50° | 45986 | 44109 | 44689 | 46634 |
| 55° | 44997 | 42780 | 43392 | 45685 |
| 60° | 43725 | 41049 | 41795 | 44470 |
| 65° | 42028 | 38811 | 39641 | 42910 |
| 70° | 39750 | 35583 | 36609 | 40648 |
| 75° | 36346 | 30839 | 32110 | 37533 |
| 80° | 31317 | 23614 | 25256 | 33085 |
| 85° | 24405 | 12580 | 15096 | 27172 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 292.5°

Vertical Angle: 89.5°

Luminance: 97999 cd/sqm

TEST NUMBER: P1175576

CATALOG NUMBER: HLA305FS5-3500K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 21.9   | 3.4       |
| 10°-20°   | 62.4   | 9.7       |
| 20°-30°   | 93.7   | 14.6      |
| 30°-40°   | 112.0  | 17.5      |
| 40°-50°   | 115.3  | 18.0      |
| 50°-60°   | 103.3  | 16.1      |
| 60°-70°   | 77.8   | 12.2      |
| 70°-80°   | 42.8   | 6.7       |
| 80°-90°   | 10.1   | 1.6       |
| 90°-100°  | 0.2    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 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° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 178.0  | 27.8      |
| 0°-40°    | 290.0  | 45.3      |
| 0°-60°    | 508.6  | 79.5      |
| 0°-90°    | 639.4  | 99.9      |
| 90°-120°  | 0.2    | 0.0       |
| 90°-150°  | 0.4    | 0.1       |
| 90°-180°  | 1.0    | 0.2       |
| 0°-180°   | 640.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0°   | 232 | 232 | 232  | 232  | 232  |      |
| 5°   | 231 | 230 | 230  | 231  | 231  | 22   |
| 15°  | 222 | 220 | 221  | 222  | 222  | 63   |
| 25°  | 204 | 201 | 203  | 205  | 204  | 94   |
| 35°  | 180 | 176 | 178  | 182  | 180  | 113  |
| 45°  | 151 | 146 | 148  | 153  | 151  | 117  |
| 55°  | 118 | 112 | 114  | 120  | 118  | 105  |
| 65°  | 81  | 75  | 76   | 83   | 81   | 80   |
| 75°  | 43  | 36  | 38   | 44   | 43   | 45   |
| 85°  | 10  | 5   | 6    | 11   | 10   | 11   |
| 90°  | 2   | 0   | 0    | 3    | 2    | 1    |
| 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    | 0    |

TEST NUMBER: P1175576

CATALOG NUMBER: HLA305FS5-3500K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  | 202.5° | 225°  |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 0°    | 231.7 | 231.7 | 231.7 | 231.7 | 231.7 | 231.7  | 231.7 | 231.7  | 231.7 | 231.7  | 231.7 |
| 0.5°  | 231.6 | 231.8 | 231.6 | 231.8 | 231.5 | 231.5  | 231.5 | 231.7  | 231.6 | 231.7  | 231.7 |
| 1°    | 231.6 | 231.7 | 231.7 | 231.6 | 231.4 | 231.4  | 231.6 | 231.6  | 231.5 | 231.6  | 231.8 |
| 1.5°  | 231.6 | 231.5 | 231.6 | 231.5 | 231.2 | 231.3  | 231.6 | 231.4  | 231.4 | 231.6  | 231.7 |
| 2°    | 231.6 | 231.5 | 231.6 | 231.5 | 231.1 | 231.2  | 231.4 | 231.3  | 231.3 | 231.5  | 231.6 |
| 2.5°  | 231.5 | 231.4 | 231.4 | 231.4 | 231.0 | 231.0  | 231.2 | 231.2  | 231.2 | 231.5  | 231.5 |
| 3°    | 231.4 | 231.3 | 231.2 | 231.2 | 230.8 | 230.7  | 231.0 | 231.0  | 231.1 | 231.3  | 231.4 |
| 3.5°  | 231.2 | 231.2 | 231.0 | 231.0 | 230.6 | 230.5  | 230.7 | 230.9  | 230.9 | 231.1  | 231.3 |
| 4°    | 231.0 | 230.9 | 230.8 | 230.9 | 230.4 | 230.3  | 230.5 | 230.6  | 230.7 | 230.9  | 231.2 |
| 4.5°  | 230.8 | 230.6 | 230.7 | 230.6 | 230.1 | 230.1  | 230.3 | 230.3  | 230.5 | 230.7  | 231.0 |
| 5°    | 230.7 | 230.4 | 230.5 | 230.4 | 229.8 | 229.7  | 230.0 | 230.0  | 230.3 | 230.4  | 230.8 |
| 5.5°  | 230.4 | 230.2 | 230.1 | 230.1 | 229.5 | 229.4  | 229.7 | 229.7  | 230.1 | 230.2  | 230.5 |
| 6°    | 230.2 | 229.9 | 229.8 | 229.8 | 229.2 | 229.0  | 229.3 | 229.5  | 229.8 | 230.0  | 230.2 |
| 6.5°  | 229.9 | 229.6 | 229.5 | 229.4 | 228.9 | 228.7  | 228.9 | 229.2  | 229.4 | 229.7  | 229.9 |
| 7°    | 229.5 | 229.3 | 229.2 | 229.0 | 228.5 | 228.3  | 228.5 | 228.8  | 229.0 | 229.3  | 229.6 |
| 7.5°  | 229.2 | 229.0 | 228.8 | 228.7 | 228.1 | 227.9  | 228.2 | 228.4  | 228.7 | 229.0  | 229.2 |
| 8°    | 228.8 | 228.6 | 228.5 | 228.3 | 227.7 | 227.5  | 227.8 | 228.0  | 228.3 | 228.6  | 228.9 |
| 8.5°  | 228.5 | 228.2 | 228.0 | 227.9 | 227.2 | 227.1  | 227.3 | 227.5  | 227.9 | 228.3  | 228.6 |
| 9°    | 228.2 | 227.8 | 227.5 | 227.4 | 226.8 | 226.6  | 226.9 | 227.0  | 227.5 | 227.9  | 228.2 |
| 9.5°  | 227.7 | 227.4 | 227.0 | 226.9 | 226.3 | 226.1  | 226.4 | 226.6  | 227.0 | 227.4  | 227.8 |
| 10°   | 227.3 | 227.0 | 226.6 | 226.4 | 225.9 | 225.5  | 225.8 | 226.2  | 226.4 | 226.9  | 227.4 |
| 10.5° | 226.8 | 226.5 | 226.1 | 226.0 | 225.3 | 225.0  | 225.2 | 225.7  | 225.9 | 226.5  | 226.8 |
| 11°   | 226.3 | 225.9 | 225.6 | 225.4 | 224.8 | 224.4  | 224.8 | 225.1  | 225.5 | 226.0  | 226.4 |
| 11.5° | 225.8 | 225.4 | 225.0 | 224.8 | 224.2 | 223.9  | 224.2 | 224.5  | 225.0 | 225.5  | 225.9 |
| 12°   | 225.3 | 224.8 | 224.5 | 224.3 | 223.6 | 223.3  | 223.6 | 223.9  | 224.4 | 224.9  | 225.4 |
| 12.5° | 224.7 | 224.3 | 223.9 | 223.7 | 223.1 | 222.6  | 223.0 | 223.4  | 223.8 | 224.2  | 224.8 |
| 13°   | 224.2 | 223.6 | 223.3 | 223.1 | 222.4 | 221.9  | 222.3 | 222.7  | 223.2 | 223.6  | 224.2 |
| 13.5° | 223.6 | 223.0 | 222.7 | 222.4 | 221.7 | 221.3  | 221.7 | 222.1  | 222.6 | 223.0  | 223.6 |
| 14°   | 223.0 | 222.4 | 222.0 | 221.8 | 221.0 | 220.6  | 220.9 | 221.4  | 222.0 | 222.4  | 222.9 |
| 14.5° | 222.3 | 221.7 | 221.3 | 221.1 | 220.3 | 220.0  | 220.2 | 220.7  | 221.3 | 221.8  | 222.3 |
| 15°   | 221.5 | 221.1 | 220.6 | 220.5 | 219.6 | 219.2  | 219.5 | 220.0  | 220.6 | 221.1  | 221.6 |
| 15.5° | 220.9 | 220.5 | 219.9 | 219.7 | 218.9 | 218.4  | 218.8 | 219.3  | 219.9 | 220.4  | 221.0 |
| 16°   | 220.2 | 219.8 | 219.2 | 219.0 | 218.1 | 217.6  | 218.0 | 218.5  | 219.2 | 219.7  | 220.3 |
| 16.5° | 219.6 | 219.0 | 218.5 | 218.2 | 217.4 | 216.8  | 217.3 | 217.8  | 218.4 | 219.0  | 219.5 |
| 17°   | 218.9 | 218.1 | 217.7 | 217.5 | 216.6 | 216.1  | 216.5 | 217.0  | 217.6 | 218.2  | 218.8 |
| 17.5° | 218.1 | 217.4 | 216.8 | 216.7 | 215.8 | 215.2  | 215.7 | 216.2  | 216.7 | 217.4  | 218.1 |
| 18°   | 217.2 | 216.6 | 216.0 | 215.8 | 215.0 | 214.3  | 214.8 | 215.3  | 216.0 | 216.6  | 217.3 |
| 18.5° | 216.3 | 215.9 | 215.2 | 214.9 | 214.0 | 213.4  | 213.9 | 214.5  | 215.1 | 215.8  | 216.4 |
| 19°   | 215.6 | 215.1 | 214.4 | 214.1 | 213.2 | 212.5  | 213.0 | 213.7  | 214.3 | 215.0  | 215.6 |
| 19.5° | 214.8 | 214.2 | 213.5 | 213.2 | 212.3 | 211.7  | 212.1 | 212.8  | 213.5 | 214.1  | 214.8 |
| 20°   | 214.0 | 213.2 | 212.7 | 212.3 | 211.4 | 210.8  | 211.3 | 211.9  | 212.6 | 213.2  | 213.9 |
| 20.5° | 213.1 | 212.4 | 211.8 | 211.4 | 210.4 | 209.9  | 210.3 | 211.0  | 211.6 | 212.3  | 213.1 |
| 21°   | 212.2 | 211.4 | 210.8 | 210.5 | 209.5 | 208.8  | 209.3 | 210.0  | 210.6 | 211.4  | 212.1 |
| 21.5° | 211.2 | 210.5 | 209.8 | 209.5 | 208.5 | 207.8  | 208.3 | 209.0  | 209.7 | 210.5  | 211.2 |
| 22°   | 210.3 | 209.6 | 208.8 | 208.6 | 207.6 | 206.8  | 207.3 | 208.1  | 208.8 | 209.5  | 210.3 |

TEST NUMBER: P1175576

CATALOG NUMBER: HLA305FS5-3500K

**CANDELA DISTRIBUTION (continued):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  | 202.5° | 225°  |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 22.5° | 209.4 | 208.6 | 207.9 | 207.6 | 206.6 | 205.8  | 206.4 | 207.1  | 207.9 | 208.6  | 209.4 |
| 23°   | 208.5 | 207.6 | 207.0 | 206.6 | 205.6 | 204.8  | 205.3 | 206.1  | 206.9 | 207.6  | 208.4 |
| 23.5° | 207.5 | 206.6 | 206.0 | 205.5 | 204.6 | 203.8  | 204.3 | 205.0  | 205.9 | 206.6  | 207.4 |
| 24°   | 206.4 | 205.6 | 204.9 | 204.5 | 203.5 | 202.7  | 203.2 | 203.9  | 204.8 | 205.6  | 206.4 |
| 24.5° | 205.4 | 204.6 | 203.8 | 203.4 | 202.4 | 201.6  | 202.1 | 202.8  | 203.7 | 204.6  | 205.3 |
| 25°   | 204.4 | 203.5 | 202.7 | 202.4 | 201.3 | 200.5  | 201.0 | 201.8  | 202.7 | 203.5  | 204.2 |
| 25.5° | 203.4 | 202.5 | 201.6 | 201.3 | 200.2 | 199.4  | 199.9 | 200.7  | 201.6 | 202.5  | 203.2 |
| 26°   | 202.4 | 201.5 | 200.6 | 200.1 | 199.1 | 198.3  | 198.7 | 199.5  | 200.4 | 201.3  | 202.1 |
| 26.5° | 201.3 | 200.4 | 199.5 | 198.9 | 197.9 | 197.2  | 197.6 | 198.4  | 199.3 | 200.2  | 201.1 |
| 27°   | 200.1 | 199.2 | 198.4 | 197.8 | 196.8 | 196.0  | 196.5 | 197.2  | 198.1 | 199.1  | 200.0 |
| 27.5° | 198.9 | 198.0 | 197.3 | 196.6 | 195.6 | 194.8  | 195.3 | 196.1  | 197.0 | 198.0  | 198.8 |
| 28°   | 197.8 | 196.8 | 196.1 | 195.6 | 194.4 | 193.5  | 194.1 | 194.9  | 195.9 | 196.8  | 197.6 |
| 28.5° | 196.7 | 195.6 | 194.8 | 194.4 | 193.2 | 192.3  | 192.9 | 193.7  | 194.7 | 195.6  | 196.5 |
| 29°   | 195.6 | 194.5 | 193.7 | 193.1 | 192.0 | 191.1  | 191.6 | 192.4  | 193.5 | 194.4  | 195.3 |
| 29.5° | 194.4 | 193.3 | 192.4 | 191.8 | 190.7 | 189.9  | 190.4 | 191.2  | 192.2 | 193.2  | 194.1 |
| 30°   | 193.2 | 192.1 | 191.2 | 190.6 | 189.5 | 188.6  | 189.2 | 190.0  | 191.0 | 191.9  | 192.9 |
| 30.5° | 191.9 | 190.9 | 190.0 | 189.4 | 188.2 | 187.3  | 187.9 | 188.7  | 189.8 | 190.8  | 191.7 |
| 31°   | 190.7 | 189.7 | 188.8 | 188.2 | 187.0 | 186.0  | 186.6 | 187.4  | 188.5 | 189.5  | 190.4 |
| 31.5° | 189.4 | 188.4 | 187.5 | 186.9 | 185.6 | 184.7  | 185.3 | 186.1  | 187.1 | 188.2  | 189.1 |
| 32°   | 188.2 | 187.1 | 186.1 | 185.6 | 184.4 | 183.5  | 184.0 | 184.7  | 185.8 | 187.0  | 187.9 |
| 32.5° | 186.9 | 185.8 | 184.8 | 184.2 | 183.0 | 182.1  | 182.6 | 183.5  | 184.6 | 185.7  | 186.6 |
| 33°   | 185.6 | 184.5 | 183.5 | 182.9 | 181.7 | 180.7  | 181.3 | 182.2  | 183.3 | 184.4  | 185.4 |
| 33.5° | 184.3 | 183.2 | 182.2 | 181.6 | 180.3 | 179.3  | 179.9 | 180.8  | 182.0 | 183.1  | 184.0 |
| 34°   | 183.0 | 181.9 | 180.9 | 180.3 | 179.0 | 177.9  | 178.5 | 179.4  | 180.6 | 181.7  | 182.7 |
| 34.5° | 181.7 | 180.6 | 179.5 | 178.8 | 177.6 | 176.6  | 177.2 | 178.1  | 179.2 | 180.3  | 181.4 |
| 35°   | 180.4 | 179.2 | 178.1 | 177.4 | 176.3 | 175.2  | 175.8 | 176.7  | 177.8 | 179.0  | 180.0 |
| 35.5° | 179.0 | 177.8 | 176.7 | 176.1 | 174.9 | 173.8  | 174.4 | 175.3  | 176.4 | 177.6  | 178.7 |
| 36°   | 177.6 | 176.4 | 175.4 | 174.7 | 173.4 | 172.3  | 173.0 | 174.0  | 175.0 | 176.3  | 177.3 |
| 36.5° | 176.2 | 175.0 | 174.0 | 173.3 | 172.0 | 170.9  | 171.5 | 172.4  | 173.6 | 174.8  | 176.0 |
| 37°   | 174.9 | 173.6 | 172.6 | 171.9 | 170.6 | 169.5  | 170.1 | 171.0  | 172.1 | 173.3  | 174.6 |
| 37.5° | 173.5 | 172.2 | 171.2 | 170.4 | 169.1 | 168.0  | 168.6 | 169.5  | 170.7 | 171.9  | 173.2 |
| 38°   | 172.1 | 170.7 | 169.8 | 169.0 | 167.6 | 166.5  | 167.1 | 168.1  | 169.2 | 170.5  | 171.8 |
| 38.5° | 170.6 | 169.3 | 168.3 | 167.5 | 166.1 | 165.0  | 165.6 | 166.6  | 167.8 | 169.1  | 170.4 |
| 39°   | 169.2 | 167.9 | 166.8 | 166.0 | 164.6 | 163.5  | 164.1 | 165.1  | 166.3 | 167.6  | 169.0 |
| 39.5° | 167.8 | 166.4 | 165.3 | 164.5 | 163.2 | 162.0  | 162.6 | 163.6  | 164.8 | 166.2  | 167.5 |
| 40°   | 166.3 | 164.9 | 163.7 | 163.0 | 161.6 | 160.4  | 161.0 | 162.0  | 163.3 | 164.6  | 166.0 |
| 40.5° | 164.9 | 163.5 | 162.2 | 161.5 | 160.2 | 158.9  | 159.5 | 160.5  | 161.8 | 163.1  | 164.5 |
| 41°   | 163.4 | 161.9 | 160.8 | 160.0 | 158.6 | 157.4  | 158.0 | 159.0  | 160.3 | 161.6  | 163.0 |
| 41.5° | 161.9 | 160.4 | 159.3 | 158.5 | 157.1 | 155.8  | 156.4 | 157.5  | 158.7 | 160.1  | 161.5 |
| 42°   | 160.4 | 158.8 | 157.7 | 157.0 | 155.5 | 154.3  | 154.9 | 155.9  | 157.1 | 158.6  | 160.0 |
| 42.5° | 158.9 | 157.3 | 156.2 | 155.4 | 154.0 | 152.7  | 153.3 | 154.3  | 155.6 | 157.0  | 158.4 |
| 43°   | 157.3 | 155.8 | 154.6 | 153.8 | 152.4 | 151.1  | 151.7 | 152.7  | 154.1 | 155.5  | 156.9 |
| 43.5° | 155.7 | 154.3 | 153.1 | 152.2 | 150.8 | 149.4  | 150.1 | 151.2  | 152.5 | 154.0  | 155.3 |
| 44°   | 154.2 | 152.7 | 151.5 | 150.6 | 149.2 | 147.9  | 148.5 | 149.5  | 150.9 | 152.3  | 153.8 |
| 44.5° | 152.7 | 151.1 | 149.9 | 149.0 | 147.6 | 146.3  | 146.9 | 147.9  | 149.3 | 150.7  | 152.2 |

TEST NUMBER: P1175576

CATALOG NUMBER: HLA305FS5-3500K

**CANDELA DISTRIBUTION (continued):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  | 202.5° | 225°  |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 45°   | 151.1 | 149.4 | 148.3 | 147.5 | 146.0 | 144.6  | 145.2 | 146.3  | 147.6 | 149.1  | 150.6 |
| 45.5° | 149.5 | 147.9 | 146.7 | 145.9 | 144.3 | 143.0  | 143.6 | 144.7  | 146.0 | 147.6  | 149.0 |
| 46°   | 147.9 | 146.4 | 145.1 | 144.2 | 142.7 | 141.4  | 142.0 | 143.1  | 144.4 | 146.0  | 147.4 |
| 46.5° | 146.3 | 144.8 | 143.5 | 142.6 | 141.1 | 139.7  | 140.3 | 141.5  | 142.7 | 144.3  | 145.8 |
| 47°   | 144.6 | 143.1 | 141.9 | 140.9 | 139.5 | 138.1  | 138.7 | 139.8  | 141.1 | 142.6  | 144.2 |
| 47.5° | 143.0 | 141.5 | 140.2 | 139.2 | 137.8 | 136.4  | 137.0 | 138.1  | 139.5 | 141.0  | 142.5 |
| 48°   | 141.4 | 139.9 | 138.5 | 137.6 | 136.1 | 134.7  | 135.3 | 136.4  | 137.8 | 139.4  | 140.9 |
| 48.5° | 139.8 | 138.2 | 136.8 | 136.0 | 134.4 | 132.9  | 133.6 | 134.7  | 136.1 | 137.7  | 139.3 |
| 49°   | 138.2 | 136.6 | 135.2 | 134.3 | 132.7 | 131.3  | 131.9 | 133.0  | 134.4 | 136.0  | 137.6 |
| 49.5° | 136.5 | 134.9 | 133.5 | 132.6 | 131.0 | 129.5  | 130.2 | 131.3  | 132.7 | 134.3  | 135.8 |
| 50°   | 134.8 | 133.2 | 131.9 | 130.9 | 129.3 | 127.8  | 128.5 | 129.6  | 131.0 | 132.6  | 134.1 |
| 50.5° | 133.1 | 131.5 | 130.1 | 129.1 | 127.6 | 126.1  | 126.7 | 127.9  | 129.3 | 130.9  | 132.4 |
| 51°   | 131.4 | 129.8 | 128.3 | 127.4 | 125.9 | 124.4  | 125.0 | 126.1  | 127.6 | 129.2  | 130.7 |
| 51.5° | 129.8 | 128.1 | 126.6 | 125.7 | 124.2 | 122.7  | 123.3 | 124.4  | 125.9 | 127.4  | 129.1 |
| 52°   | 128.1 | 126.4 | 124.9 | 124.0 | 122.5 | 120.9  | 121.5 | 122.7  | 124.1 | 125.7  | 127.3 |
| 52.5° | 126.3 | 124.6 | 123.2 | 122.3 | 120.6 | 119.1  | 119.7 | 120.9  | 122.3 | 124.0  | 125.6 |
| 53°   | 124.6 | 122.9 | 121.5 | 120.6 | 118.9 | 117.4  | 118.0 | 119.2  | 120.6 | 122.3  | 123.8 |
| 53.5° | 122.8 | 121.2 | 119.7 | 118.8 | 117.1 | 115.6  | 116.3 | 117.4  | 118.9 | 120.6  | 122.0 |
| 54°   | 121.1 | 119.4 | 118.0 | 117.0 | 115.4 | 113.8  | 114.5 | 115.6  | 117.1 | 118.8  | 120.3 |
| 54.5° | 119.4 | 117.7 | 116.2 | 115.3 | 113.6 | 112.0  | 112.6 | 113.8  | 115.3 | 117.0  | 118.6 |
| 55°   | 117.7 | 115.9 | 114.5 | 113.5 | 111.9 | 110.2  | 110.9 | 112.0  | 113.5 | 115.2  | 116.8 |
| 55.5° | 115.9 | 114.2 | 112.7 | 111.7 | 110.1 | 108.5  | 109.0 | 110.2  | 111.7 | 113.4  | 115.0 |
| 56°   | 114.1 | 112.4 | 110.9 | 109.9 | 108.2 | 106.6  | 107.2 | 108.4  | 109.9 | 111.6  | 113.2 |
| 56.5° | 112.3 | 110.6 | 109.1 | 108.1 | 106.4 | 104.8  | 105.4 | 106.6  | 108.1 | 109.8  | 111.4 |
| 57°   | 110.5 | 108.8 | 107.3 | 106.3 | 104.6 | 102.9  | 103.6 | 104.7  | 106.3 | 108.0  | 109.6 |
| 57.5° | 108.8 | 107.0 | 105.5 | 104.5 | 102.8 | 101.1  | 101.8 | 102.9  | 104.4 | 106.2  | 107.8 |
| 58°   | 106.9 | 105.2 | 103.7 | 102.6 | 101.0 | 99.3   | 99.9  | 101.1  | 102.7 | 104.4  | 106.0 |
| 58.5° | 105.1 | 103.4 | 101.9 | 100.8 | 99.2  | 97.5   | 98.1  | 99.3   | 100.9 | 102.5  | 104.1 |
| 59°   | 103.3 | 101.6 | 100.0 | 99.0  | 97.3  | 95.7   | 96.3  | 97.5   | 99.0  | 100.7  | 102.3 |
| 59.5° | 101.5 | 99.7  | 98.2  | 97.1  | 95.5  | 93.8   | 94.4  | 95.6   | 97.1  | 98.9   | 100.5 |
| 60°   | 99.7  | 97.8  | 96.4  | 95.3  | 93.6  | 92.0   | 92.6  | 93.8   | 95.3  | 97.0   | 98.7  |
| 60.5° | 97.8  | 96.1  | 94.5  | 93.4  | 91.8  | 90.1   | 90.7  | 92.0   | 93.4  | 95.1   | 96.8  |
| 61°   | 95.9  | 94.3  | 92.7  | 91.5  | 90.0  | 88.3   | 88.8  | 90.1   | 91.5  | 93.2   | 95.0  |
| 61.5° | 94.1  | 92.4  | 90.8  | 89.7  | 88.1  | 86.4   | 87.0  | 88.2   | 89.8  | 91.4   | 93.2  |
| 62°   | 92.3  | 90.5  | 89.0  | 87.8  | 86.2  | 84.4   | 85.1  | 86.3   | 87.9  | 89.6   | 91.3  |
| 62.5° | 90.4  | 88.7  | 87.1  | 85.9  | 84.4  | 82.5   | 83.2  | 84.4   | 85.9  | 87.7   | 89.4  |
| 63°   | 88.5  | 86.8  | 85.2  | 84.1  | 82.4  | 80.6   | 81.2  | 82.5   | 84.1  | 85.8   | 87.5  |
| 63.5° | 86.7  | 84.9  | 83.3  | 82.2  | 80.5  | 78.8   | 79.3  | 80.6   | 82.2  | 83.9   | 85.6  |
| 64°   | 84.8  | 83.0  | 81.4  | 80.3  | 78.6  | 76.8   | 77.4  | 78.7   | 80.3  | 82.0   | 83.7  |
| 64.5° | 82.9  | 81.1  | 79.5  | 78.4  | 76.7  | 75.0   | 75.5  | 76.7   | 78.4  | 80.1   | 81.8  |
| 65°   | 81.0  | 79.3  | 77.7  | 76.5  | 74.8  | 73.0   | 73.5  | 74.8   | 76.4  | 78.2   | 79.9  |
| 65.5° | 79.2  | 77.3  | 75.8  | 74.6  | 72.8  | 71.1   | 71.6  | 72.9   | 74.5  | 76.3   | 78.0  |
| 66°   | 77.2  | 75.4  | 73.8  | 72.7  | 70.9  | 69.2   | 69.7  | 71.0   | 72.6  | 74.4   | 76.0  |
| 66.5° | 75.3  | 73.5  | 71.9  | 70.7  | 69.0  | 67.2   | 67.7  | 69.1   | 70.7  | 72.5   | 74.1  |
| 67°   | 73.4  | 71.6  | 70.0  | 68.8  | 67.1  | 65.3   | 65.8  | 67.1   | 68.7  | 70.5   | 72.2  |

TEST NUMBER: P1175576

CATALOG NUMBER: HLA305FS5-3500K

**CANDELA DISTRIBUTION (continued):**

|       | 0°   | 22.5° | 45°  | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|------|-------|------|-------|------|--------|------|--------|------|--------|------|
| 67.5° | 71.5 | 69.7  | 68.0 | 66.9  | 65.2 | 63.3   | 63.9 | 65.2   | 66.8 | 68.6   | 70.3 |
| 68°   | 69.7 | 67.8  | 66.2 | 65.0  | 63.2 | 61.4   | 61.9 | 63.3   | 64.9 | 66.6   | 68.4 |
| 68.5° | 67.7 | 65.9  | 64.3 | 63.1  | 61.3 | 59.4   | 60.0 | 61.3   | 62.9 | 64.7   | 66.4 |
| 69°   | 65.8 | 64.0  | 62.3 | 61.1  | 59.4 | 57.5   | 58.1 | 59.4   | 60.9 | 62.8   | 64.5 |
| 69.5° | 63.9 | 62.1  | 60.4 | 59.2  | 57.4 | 55.6   | 56.1 | 57.4   | 59.0 | 60.8   | 62.6 |
| 70°   | 62.0 | 60.1  | 58.5 | 57.2  | 55.5 | 53.6   | 54.2 | 55.5   | 57.1 | 58.9   | 60.6 |
| 70.5° | 60.1 | 58.2  | 56.6 | 55.3  | 53.6 | 51.7   | 52.2 | 53.5   | 55.2 | 57.0   | 58.6 |
| 71°   | 58.1 | 56.3  | 54.7 | 53.4  | 51.7 | 49.8   | 50.3 | 51.6   | 53.2 | 55.0   | 56.7 |
| 71.5° | 56.3 | 54.4  | 52.7 | 51.5  | 49.7 | 47.8   | 48.4 | 49.6   | 51.3 | 53.1   | 54.8 |
| 72°   | 54.3 | 52.5  | 50.8 | 49.6  | 47.8 | 45.9   | 46.5 | 47.8   | 49.4 | 51.2   | 52.9 |
| 72.5° | 52.4 | 50.6  | 48.9 | 47.7  | 45.9 | 44.0   | 44.5 | 45.8   | 47.4 | 49.2   | 50.9 |
| 73°   | 50.5 | 48.7  | 47.0 | 45.8  | 44.0 | 42.0   | 42.6 | 43.9   | 45.5 | 47.3   | 49.0 |
| 73.5° | 48.6 | 46.8  | 45.0 | 43.8  | 42.0 | 40.2   | 40.7 | 42.0   | 43.5 | 45.4   | 47.1 |
| 74°   | 46.7 | 44.9  | 43.2 | 42.1  | 40.2 | 38.3   | 38.8 | 40.1   | 41.7 | 43.5   | 45.2 |
| 74.5° | 44.8 | 43.0  | 41.3 | 40.2  | 38.3 | 36.4   | 36.9 | 38.2   | 39.8 | 41.6   | 43.3 |
| 75°   | 42.9 | 41.2  | 39.5 | 38.4  | 36.4 | 34.6   | 35.1 | 36.3   | 37.9 | 39.7   | 41.4 |
| 75.5° | 41.1 | 39.3  | 37.7 | 36.5  | 34.5 | 32.7   | 33.2 | 34.4   | 36.0 | 37.9   | 39.5 |
| 76°   | 39.3 | 37.5  | 35.8 | 34.6  | 32.7 | 30.9   | 31.4 | 32.6   | 34.2 | 35.9   | 37.6 |
| 76.5° | 37.4 | 35.7  | 34.0 | 32.8  | 30.9 | 29.0   | 29.5 | 30.7   | 32.3 | 34.1   | 35.8 |
| 77°   | 35.6 | 33.8  | 32.2 | 30.9  | 29.1 | 27.3   | 27.8 | 28.9   | 30.5 | 32.3   | 33.9 |
| 77.5° | 33.8 | 32.0  | 30.4 | 29.1  | 27.3 | 25.5   | 26.0 | 27.2   | 28.7 | 30.5   | 32.1 |
| 78°   | 32.0 | 30.2  | 28.6 | 27.4  | 25.5 | 23.7   | 24.3 | 25.4   | 26.9 | 28.6   | 30.2 |
| 78.5° | 30.2 | 28.4  | 26.8 | 25.6  | 23.7 | 22.0   | 22.5 | 23.7   | 25.1 | 26.8   | 28.4 |
| 79°   | 28.3 | 26.7  | 25.0 | 23.8  | 22.0 | 20.3   | 20.8 | 21.9   | 23.4 | 25.1   | 26.7 |
| 79.5° | 26.6 | 24.9  | 23.3 | 22.1  | 20.3 | 18.7   | 19.1 | 20.2   | 21.7 | 23.4   | 25.0 |
| 80°   | 24.8 | 23.2  | 21.6 | 20.4  | 18.7 | 17.1   | 17.5 | 18.6   | 20.0 | 21.7   | 23.3 |
| 80.5° | 23.2 | 21.5  | 20.0 | 18.8  | 17.1 | 15.5   | 15.9 | 17.0   | 18.4 | 20.0   | 21.6 |
| 81°   | 21.5 | 19.9  | 18.4 | 17.2  | 15.5 | 14.0   | 14.4 | 15.4   | 16.8 | 18.4   | 19.9 |
| 81.5° | 19.9 | 18.3  | 16.7 | 15.6  | 14.0 | 12.5   | 12.9 | 13.9   | 15.3 | 16.8   | 18.3 |
| 82°   | 18.3 | 16.7  | 15.2 | 14.1  | 12.5 | 11.2   | 11.5 | 12.4   | 13.7 | 15.3   | 16.7 |
| 82.5° | 16.7 | 15.2  | 13.7 | 12.6  | 11.2 | 9.9    | 10.2 | 11.1   | 12.3 | 13.8   | 15.2 |
| 83°   | 15.2 | 13.7  | 12.3 | 11.2  | 9.9  | 8.6    | 8.9  | 9.8    | 11.1 | 12.3   | 13.7 |
| 83.5° | 13.7 | 12.3  | 10.8 | 9.8   | 8.6  | 7.3    | 7.6  | 8.6    | 9.8  | 11.1   | 12.3 |
| 84°   | 12.3 | 10.9  | 9.5  | 8.5   | 7.3  | 6.0    | 6.3  | 7.3    | 8.5  | 9.8    | 11.1 |
| 84.5° | 11.0 | 9.6   | 8.3  | 7.3   | 6.0  | 4.9    | 5.2  | 6.0    | 7.3  | 8.6    | 9.9  |
| 85°   | 9.7  | 8.3   | 7.1  | 6.2   | 5.0  | 4.0    | 4.2  | 5.0    | 6.0  | 7.4    | 8.7  |
| 85.5° | 8.5  | 7.2   | 6.0  | 5.1   | 4.0  | 3.1    | 3.4  | 4.0    | 5.0  | 6.1    | 7.5  |
| 86°   | 7.3  | 6.1   | 4.9  | 4.1   | 3.1  | 2.4    | 2.6  | 3.2    | 4.0  | 5.1    | 6.3  |
| 86.5° | 6.3  | 5.1   | 4.0  | 3.4   | 2.4  | 1.8    | 2.0  | 2.4    | 3.2  | 4.2    | 5.3  |
| 87°   | 5.3  | 4.2   | 3.4  | 2.7   | 1.8  | 1.1    | 1.3  | 1.8    | 2.5  | 3.5    | 4.5  |
| 87.5° | 4.5  | 3.6   | 2.8  | 2.1   | 1.2  | 0.6    | 0.8  | 1.3    | 1.9  | 2.8    | 3.8  |
| 88°   | 4.0  | 3.0   | 2.1  | 1.4   | 0.7  | 0.1    | 0.3  | 0.8    | 1.5  | 2.3    | 3.1  |
| 88.5° | 3.4  | 2.4   | 1.5  | 0.9   | 0.2  | 0.0    | 0.1  | 0.5    | 1.1  | 1.8    | 2.7  |
| 89°   | 2.9  | 1.8   | 1.1  | 0.5   | 0.0  | 0.0    | 0.0  | 0.3    | 0.8  | 1.5    | 2.3  |
| 89.5° | 2.3  | 1.5   | 0.7  | 0.1   | 0.0  | 0.0    | 0.0  | 0.1    | 0.6  | 1.2    | 2.0  |

TEST NUMBER: P1175576

CATALOG NUMBER: HLA305FS5-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 90°    | 1.9 | 1.1   | 0.2 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.3  | 1.0    | 1.7  |
| 90.5°  | 1.4 | 0.6   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.1  | 0.6    | 1.3  |
| 91°    | 0.9 | 0.2   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.2    | 0.9  |
| 91.5°  | 0.4 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.4  |
| 92°    | 0.1 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.1  |
| 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 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 102.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 103°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 103.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 104°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 104.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 105°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 105.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 106°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 106.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 107°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 107.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 108°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 108.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 109°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 109.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 110°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 110.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 111°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 111.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 112°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

TEST NUMBER: P1175576

CATALOG NUMBER: HLA305FS5-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 112.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 113°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 113.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 114°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 114.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 115°   | 0.0 | 0.0   | 0.1 | 0.1   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 115.5° | 0.0 | 0.1   | 0.1 | 0.1   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 116°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 116.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 117°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 117.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 118°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 118.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 119°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 119.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.0 | 0.1    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 120°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.0 | 0.1    | 0.1  | 0.0    | 0.0  | 0.0    | 0.0  |
| 120.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.0    | 0.0  |
| 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  |

TEST NUMBER: P1175576

CATALOG NUMBER: HLA305FS5-3500K

**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   | 0.1 | 0.1   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 146.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 147°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 147.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 148°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 148.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 149°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 149.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 150°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 150.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 151°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 151.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 152°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 152.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 | 0.1    | 0.2  | 0.2    | 0.2  | 0.2    | 0.1  |
| 153°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 153.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 154°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 154.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 155°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 155.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 156°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 156.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 157°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |

TEST NUMBER: P1175576

CATALOG NUMBER: HLA305FS5-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 157.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 158°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 158.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 159°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 159.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 160°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 160.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 161°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 161.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 162°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 162.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 163°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 163.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 164°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 164.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 165°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 165.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 166°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 166.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 167°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 167.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 168°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 168.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 169°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 169.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 170°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 170.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 171°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 171.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 172°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 172.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 173°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 173.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 174°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 174.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 175°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 175.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 176°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 176.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 177°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 177.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 178°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 178.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 179°   | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |
| 179.5° | 0.1 | 0.1   | 0.1 | 0.1   | 0.2 | 0.2    | 0.2  | 0.2    | 0.2  | 0.2    | 0.2  |



TEST NUMBER: P1175576

CATALOG NUMBER: HLA305FS5-3500K

**CANDELA DISTRIBUTION (continued):**

|      | 0°  | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 180° | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |

TEST NUMBER: P1175576

CATALOG NUMBER: HLA305FS5-3500K

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 270°  | 292.5° | 315°  | 337.5° | 360°  |
|-------|--------|-------|--------|-------|--------|-------|
| 0°    | 231.7  | 231.7 | 231.7  | 231.7 | 231.7  | 231.7 |
| 0.5°  | 231.9  | 231.6 | 231.8  | 231.7 | 231.7  | 231.6 |
| 1°    | 231.8  | 231.6 | 231.8  | 231.8 | 231.7  | 231.6 |
| 1.5°  | 231.8  | 231.5 | 231.7  | 231.8 | 231.7  | 231.6 |
| 2°    | 231.7  | 231.5 | 231.6  | 231.7 | 231.6  | 231.6 |
| 2.5°  | 231.6  | 231.4 | 231.6  | 231.7 | 231.5  | 231.5 |
| 3°    | 231.5  | 231.4 | 231.6  | 231.6 | 231.5  | 231.4 |
| 3.5°  | 231.4  | 231.2 | 231.5  | 231.5 | 231.4  | 231.2 |
| 4°    | 231.3  | 231.1 | 231.4  | 231.4 | 231.2  | 231.0 |
| 4.5°  | 231.1  | 231.0 | 231.2  | 231.2 | 231.0  | 230.8 |
| 5°    | 230.9  | 230.8 | 231.0  | 231.1 | 230.8  | 230.7 |
| 5.5°  | 230.6  | 230.5 | 230.8  | 230.9 | 230.6  | 230.4 |
| 6°    | 230.4  | 230.2 | 230.6  | 230.6 | 230.4  | 230.2 |
| 6.5°  | 230.1  | 230.0 | 230.3  | 230.3 | 230.2  | 229.9 |
| 7°    | 229.9  | 229.8 | 230.0  | 230.0 | 229.9  | 229.5 |
| 7.5°  | 229.6  | 229.5 | 229.8  | 229.8 | 229.5  | 229.2 |
| 8°    | 229.2  | 229.1 | 229.4  | 229.6 | 229.2  | 228.8 |
| 8.5°  | 228.8  | 228.7 | 229.2  | 229.2 | 228.8  | 228.5 |
| 9°    | 228.4  | 228.3 | 228.8  | 228.8 | 228.5  | 228.2 |
| 9.5°  | 228.0  | 227.9 | 228.5  | 228.4 | 228.1  | 227.7 |
| 10°   | 227.6  | 227.5 | 228.0  | 228.0 | 227.7  | 227.3 |
| 10.5° | 227.1  | 227.1 | 227.5  | 227.5 | 227.2  | 226.8 |
| 11°   | 226.7  | 226.6 | 227.1  | 227.0 | 226.7  | 226.3 |
| 11.5° | 226.1  | 226.1 | 226.6  | 226.6 | 226.2  | 225.8 |
| 12°   | 225.6  | 225.6 | 226.2  | 226.1 | 225.7  | 225.3 |
| 12.5° | 225.0  | 225.2 | 225.7  | 225.6 | 225.2  | 224.7 |
| 13°   | 224.5  | 224.6 | 225.2  | 225.1 | 224.7  | 224.2 |
| 13.5° | 223.9  | 224.0 | 224.6  | 224.5 | 224.1  | 223.6 |
| 14°   | 223.4  | 223.4 | 224.0  | 223.9 | 223.5  | 223.0 |
| 14.5° | 222.7  | 222.8 | 223.3  | 223.3 | 222.8  | 222.3 |
| 15°   | 222.0  | 222.1 | 222.7  | 222.7 | 222.2  | 221.5 |
| 15.5° | 221.4  | 221.5 | 222.1  | 222.1 | 221.5  | 220.9 |
| 16°   | 220.7  | 220.8 | 221.5  | 221.4 | 220.8  | 220.2 |
| 16.5° | 219.9  | 220.2 | 220.9  | 220.7 | 220.1  | 219.6 |
| 17°   | 219.2  | 219.4 | 220.1  | 219.9 | 219.4  | 218.9 |
| 17.5° | 218.5  | 218.6 | 219.4  | 219.2 | 218.7  | 218.1 |
| 18°   | 217.7  | 217.8 | 218.6  | 218.5 | 217.9  | 217.2 |
| 18.5° | 216.9  | 217.1 | 217.8  | 217.8 | 217.1  | 216.3 |
| 19°   | 216.1  | 216.4 | 217.0  | 216.9 | 216.4  | 215.6 |
| 19.5° | 215.4  | 215.6 | 216.3  | 216.1 | 215.6  | 214.8 |
| 20°   | 214.5  | 214.7 | 215.5  | 215.3 | 214.7  | 214.0 |
| 20.5° | 213.5  | 213.8 | 214.7  | 214.4 | 213.8  | 213.1 |
| 21°   | 212.6  | 212.9 | 213.8  | 213.5 | 212.9  | 212.2 |
| 21.5° | 211.7  | 212.0 | 212.9  | 212.6 | 212.0  | 211.2 |
| 22°   | 210.8  | 211.1 | 211.9  | 211.7 | 211.1  | 210.3 |

TEST NUMBER: P1175576

CATALOG NUMBER: HLA305FS5-3500K

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 270°  | 292.5° | 315°  | 337.5° | 360°  |
|-------|--------|-------|--------|-------|--------|-------|
| 22.5° | 209.9  | 210.2 | 211.0  | 210.9 | 210.2  | 209.4 |
| 23°   | 208.9  | 209.2 | 210.1  | 209.9 | 209.3  | 208.5 |
| 23.5° | 207.8  | 208.3 | 209.1  | 208.9 | 208.3  | 207.5 |
| 24°   | 206.8  | 207.3 | 208.2  | 207.9 | 207.2  | 206.4 |
| 24.5° | 205.8  | 206.3 | 207.2  | 207.0 | 206.2  | 205.4 |
| 25°   | 204.8  | 205.2 | 206.2  | 206.0 | 205.2  | 204.4 |
| 25.5° | 203.8  | 204.1 | 205.2  | 204.9 | 204.2  | 203.4 |
| 26°   | 202.6  | 203.1 | 204.1  | 203.8 | 203.1  | 202.4 |
| 26.5° | 201.6  | 202.1 | 203.1  | 202.8 | 202.1  | 201.3 |
| 27°   | 200.5  | 201.0 | 202.0  | 201.7 | 201.0  | 200.1 |
| 27.5° | 199.4  | 199.9 | 200.9  | 200.6 | 199.9  | 198.9 |
| 28°   | 198.2  | 198.7 | 199.8  | 199.5 | 198.8  | 197.8 |
| 28.5° | 197.1  | 197.6 | 198.7  | 198.4 | 197.6  | 196.7 |
| 29°   | 195.9  | 196.4 | 197.6  | 197.3 | 196.4  | 195.6 |
| 29.5° | 194.7  | 195.3 | 196.4  | 196.1 | 195.3  | 194.4 |
| 30°   | 193.6  | 194.2 | 195.3  | 194.9 | 194.1  | 193.2 |
| 30.5° | 192.4  | 193.0 | 194.2  | 193.7 | 192.9  | 191.9 |
| 31°   | 191.2  | 191.8 | 193.0  | 192.5 | 191.7  | 190.7 |
| 31.5° | 189.9  | 190.6 | 191.8  | 191.4 | 190.5  | 189.4 |
| 32°   | 188.7  | 189.3 | 190.5  | 190.2 | 189.2  | 188.2 |
| 32.5° | 187.4  | 188.1 | 189.3  | 188.9 | 187.9  | 186.9 |
| 33°   | 186.1  | 186.9 | 188.1  | 187.7 | 186.6  | 185.6 |
| 33.5° | 184.8  | 185.6 | 186.9  | 186.4 | 185.4  | 184.3 |
| 34°   | 183.5  | 184.4 | 185.6  | 185.1 | 184.2  | 183.0 |
| 34.5° | 182.2  | 183.1 | 184.3  | 183.9 | 182.9  | 181.7 |
| 35°   | 180.9  | 181.7 | 183.0  | 182.6 | 181.5  | 180.4 |
| 35.5° | 179.6  | 180.5 | 181.7  | 181.3 | 180.2  | 179.0 |
| 36°   | 178.2  | 179.1 | 180.4  | 180.0 | 178.9  | 177.6 |
| 36.5° | 176.9  | 177.8 | 179.1  | 178.6 | 177.5  | 176.2 |
| 37°   | 175.5  | 176.4 | 177.8  | 177.3 | 176.2  | 174.9 |
| 37.5° | 174.1  | 175.1 | 176.4  | 176.0 | 174.9  | 173.5 |
| 38°   | 172.8  | 173.7 | 175.0  | 174.6 | 173.5  | 172.1 |
| 38.5° | 171.4  | 172.3 | 173.7  | 173.2 | 172.1  | 170.6 |
| 39°   | 170.0  | 170.9 | 172.4  | 171.8 | 170.6  | 169.2 |
| 39.5° | 168.5  | 169.5 | 171.0  | 170.4 | 169.2  | 167.8 |
| 40°   | 167.0  | 168.0 | 169.6  | 169.0 | 167.7  | 166.3 |
| 40.5° | 165.6  | 166.6 | 168.1  | 167.5 | 166.2  | 164.9 |
| 41°   | 164.1  | 165.2 | 166.6  | 166.1 | 164.8  | 163.4 |
| 41.5° | 162.6  | 163.7 | 165.2  | 164.6 | 163.4  | 161.9 |
| 42°   | 161.1  | 162.2 | 163.7  | 163.1 | 161.9  | 160.4 |
| 42.5° | 159.6  | 160.8 | 162.3  | 161.6 | 160.3  | 158.9 |
| 43°   | 158.0  | 159.2 | 160.8  | 160.2 | 158.8  | 157.3 |
| 43.5° | 156.5  | 157.6 | 159.2  | 158.6 | 157.2  | 155.7 |
| 44°   | 154.9  | 156.1 | 157.7  | 157.1 | 155.7  | 154.2 |
| 44.5° | 153.4  | 154.5 | 156.1  | 155.5 | 154.2  | 152.7 |

TEST NUMBER: P1175576

CATALOG NUMBER: HLA305FS5-3500K

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 270°  | 292.5° | 315°  | 337.5° | 360°  |
|-------|--------|-------|--------|-------|--------|-------|
| 45°   | 151.8  | 152.9 | 154.5  | 154.0 | 152.6  | 151.1 |
| 45.5° | 150.2  | 151.4 | 153.0  | 152.4 | 151.0  | 149.5 |
| 46°   | 148.6  | 149.8 | 151.4  | 150.8 | 149.4  | 147.9 |
| 46.5° | 147.0  | 148.2 | 149.8  | 149.2 | 147.8  | 146.3 |
| 47°   | 145.4  | 146.6 | 148.2  | 147.6 | 146.2  | 144.6 |
| 47.5° | 143.7  | 144.9 | 146.6  | 146.0 | 144.6  | 143.0 |
| 48°   | 142.1  | 143.3 | 144.9  | 144.3 | 143.0  | 141.4 |
| 48.5° | 140.4  | 141.7 | 143.3  | 142.7 | 141.3  | 139.8 |
| 49°   | 138.8  | 140.1 | 141.7  | 141.0 | 139.7  | 138.2 |
| 49.5° | 137.1  | 138.4 | 140.1  | 139.4 | 138.1  | 136.5 |
| 50°   | 135.4  | 136.7 | 138.4  | 137.8 | 136.4  | 134.8 |
| 50.5° | 133.6  | 135.0 | 136.7  | 136.1 | 134.7  | 133.1 |
| 51°   | 132.0  | 133.3 | 135.0  | 134.4 | 133.0  | 131.4 |
| 51.5° | 130.2  | 131.6 | 133.3  | 132.7 | 131.3  | 129.8 |
| 52°   | 128.5  | 129.9 | 131.7  | 131.0 | 129.6  | 128.1 |
| 52.5° | 126.8  | 128.2 | 129.9  | 129.3 | 127.9  | 126.3 |
| 53°   | 125.0  | 126.4 | 128.2  | 127.6 | 126.2  | 124.6 |
| 53.5° | 123.3  | 124.7 | 126.4  | 125.8 | 124.5  | 122.8 |
| 54°   | 121.5  | 123.0 | 124.7  | 124.1 | 122.7  | 121.1 |
| 54.5° | 119.8  | 121.2 | 122.9  | 122.3 | 121.0  | 119.4 |
| 55°   | 118.0  | 119.5 | 121.2  | 120.6 | 119.3  | 117.7 |
| 55.5° | 116.3  | 117.6 | 119.4  | 118.9 | 117.5  | 115.9 |
| 56°   | 114.5  | 115.9 | 117.7  | 117.1 | 115.7  | 114.1 |
| 56.5° | 112.6  | 114.2 | 115.9  | 115.3 | 113.9  | 112.3 |
| 57°   | 110.8  | 112.3 | 114.0  | 113.5 | 112.2  | 110.5 |
| 57.5° | 109.0  | 110.5 | 112.2  | 111.7 | 110.3  | 108.8 |
| 58°   | 107.2  | 108.7 | 110.5  | 109.9 | 108.5  | 106.9 |
| 58.5° | 105.4  | 106.9 | 108.8  | 108.2 | 106.7  | 105.1 |
| 59°   | 103.6  | 105.1 | 106.9  | 106.3 | 104.9  | 103.3 |
| 59.5° | 101.7  | 103.2 | 105.1  | 104.5 | 103.1  | 101.5 |
| 60°   | 99.9   | 101.4 | 103.2  | 102.7 | 101.3  | 99.7  |
| 60.5° | 98.0   | 99.6  | 101.4  | 100.8 | 99.5   | 97.8  |
| 61°   | 96.2   | 97.7  | 99.5   | 99.0  | 97.6   | 95.9  |
| 61.5° | 94.3   | 95.9  | 97.7   | 97.2  | 95.7   | 94.1  |
| 62°   | 92.5   | 94.0  | 95.8   | 95.3  | 94.0   | 92.3  |
| 62.5° | 90.6   | 92.1  | 94.0   | 93.4  | 92.1   | 90.4  |
| 63°   | 88.7   | 90.2  | 92.0   | 91.5  | 90.2   | 88.5  |
| 63.5° | 86.9   | 88.3  | 90.2   | 89.7  | 88.3   | 86.7  |
| 64°   | 85.0   | 86.4  | 88.4   | 87.8  | 86.5   | 84.8  |
| 64.5° | 83.1   | 84.6  | 86.4   | 85.9  | 84.6   | 82.9  |
| 65°   | 81.2   | 82.7  | 84.6   | 84.0  | 82.7   | 81.0  |
| 65.5° | 79.3   | 80.7  | 82.6   | 82.1  | 80.8   | 79.2  |
| 66°   | 77.3   | 78.8  | 80.8   | 80.2  | 78.9   | 77.2  |
| 66.5° | 75.4   | 76.9  | 78.8   | 78.3  | 77.0   | 75.3  |
| 67°   | 73.5   | 75.0  | 76.9   | 76.4  | 75.1   | 73.4  |

TEST NUMBER: P1175576

CATALOG NUMBER: HLA305FS5-3500K

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|------|--------|------|--------|------|
| 67.5° | 71.6   | 73.1 | 75.0   | 74.5 | 73.2   | 71.5 |
| 68°   | 69.6   | 71.2 | 73.1   | 72.6 | 71.3   | 69.7 |
| 68.5° | 67.8   | 69.2 | 71.2   | 70.7 | 69.4   | 67.7 |
| 69°   | 65.8   | 67.3 | 69.3   | 68.8 | 67.5   | 65.8 |
| 69.5° | 63.9   | 65.3 | 67.4   | 66.8 | 65.6   | 63.9 |
| 70°   | 61.9   | 63.4 | 65.4   | 65.0 | 63.6   | 62.0 |
| 70.5° | 60.0   | 61.5 | 63.5   | 63.0 | 61.7   | 60.1 |
| 71°   | 58.0   | 59.5 | 61.5   | 61.1 | 59.8   | 58.1 |
| 71.5° | 56.1   | 57.7 | 59.6   | 59.2 | 57.9   | 56.3 |
| 72°   | 54.2   | 55.8 | 57.8   | 57.3 | 56.0   | 54.3 |
| 72.5° | 52.2   | 53.8 | 55.8   | 55.4 | 54.1   | 52.4 |
| 73°   | 50.3   | 51.8 | 53.9   | 53.4 | 52.1   | 50.5 |
| 73.5° | 48.3   | 50.0 | 52.0   | 51.5 | 50.2   | 48.6 |
| 74°   | 46.4   | 48.1 | 50.1   | 49.6 | 48.3   | 46.7 |
| 74.5° | 44.5   | 46.2 | 48.1   | 47.7 | 46.4   | 44.8 |
| 75°   | 42.6   | 44.3 | 46.2   | 45.8 | 44.5   | 42.9 |
| 75.5° | 40.8   | 42.4 | 44.4   | 43.9 | 42.7   | 41.1 |
| 76°   | 38.9   | 40.6 | 42.6   | 41.8 | 40.9   | 39.3 |
| 76.5° | 37.0   | 38.8 | 40.7   | 40.1 | 39.1   | 37.4 |
| 77°   | 35.2   | 37.0 | 38.9   | 38.3 | 37.2   | 35.6 |
| 77.5° | 33.3   | 35.1 | 37.0   | 36.6 | 35.4   | 33.8 |
| 78°   | 31.5   | 33.3 | 35.2   | 34.8 | 33.6   | 32.0 |
| 78.5° | 29.7   | 31.5 | 33.4   | 33.0 | 31.7   | 30.2 |
| 79°   | 27.9   | 29.7 | 31.6   | 31.2 | 29.9   | 28.3 |
| 79.5° | 26.2   | 27.9 | 29.8   | 29.4 | 28.2   | 26.6 |
| 80°   | 24.4   | 26.2 | 28.0   | 27.6 | 26.4   | 24.8 |
| 80.5° | 22.7   | 24.5 | 26.3   | 25.9 | 24.7   | 23.2 |
| 81°   | 21.1   | 22.8 | 24.6   | 24.2 | 23.0   | 21.5 |
| 81.5° | 19.5   | 21.1 | 22.9   | 22.5 | 21.4   | 19.9 |
| 82°   | 17.9   | 19.5 | 21.2   | 20.9 | 19.7   | 18.3 |
| 82.5° | 16.3   | 18.0 | 19.6   | 19.3 | 18.2   | 16.7 |
| 83°   | 14.8   | 16.4 | 18.1   | 17.7 | 16.6   | 15.2 |
| 83.5° | 13.4   | 14.9 | 16.5   | 16.1 | 15.1   | 13.7 |
| 84°   | 12.0   | 13.5 | 15.1   | 14.7 | 13.7   | 12.3 |
| 84.5° | 10.9   | 12.1 | 13.6   | 13.2 | 12.3   | 11.0 |
| 85°   | 9.7    | 10.8 | 12.3   | 11.9 | 11.0   | 9.7  |
| 85.5° | 8.5    | 9.6  | 10.9   | 10.6 | 9.7    | 8.5  |
| 86°   | 7.4    | 8.5  | 9.7    | 9.4  | 8.5    | 7.3  |
| 86.5° | 6.2    | 7.4  | 8.6    | 8.3  | 7.4    | 6.3  |
| 87°   | 5.3    | 6.4  | 7.5    | 7.2  | 6.4    | 5.3  |
| 87.5° | 4.6    | 5.6  | 6.6    | 6.3  | 5.5    | 4.5  |
| 88°   | 3.9    | 4.9  | 5.7    | 5.5  | 4.7    | 4.0  |
| 88.5° | 3.4    | 4.2  | 5.0    | 4.8  | 4.2    | 3.4  |
| 89°   | 3.0    | 3.7  | 4.4    | 4.3  | 3.7    | 2.9  |
| 89.5° | 2.6    | 3.2  | 3.9    | 3.8  | 3.2    | 2.3  |

TEST NUMBER: P1175576

CATALOG NUMBER: HLA305FS5-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 90°    | 2.3    | 2.8  | 3.5    | 3.3  | 2.7    | 1.9  |
| 90.5°  | 2.0    | 2.4  | 3.1    | 2.9  | 2.2    | 1.4  |
| 91°    | 1.5    | 1.9  | 2.6    | 2.4  | 1.8    | 0.9  |
| 91.5°  | 0.9    | 1.5  | 2.1    | 1.8  | 1.2    | 0.4  |
| 92°    | 0.5    | 0.9  | 1.5    | 1.2  | 0.6    | 0.1  |
| 92.5°  | 0.2    | 0.5  | 0.9    | 0.7  | 0.2    | 0.0  |
| 93°    | 0.0    | 0.1  | 0.4    | 0.3  | 0.0    | 0.0  |
| 93.5°  | 0.0    | 0.0  | 0.1    | 0.1  | 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°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 102.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 103°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 103.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 104°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 104.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 105°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 105.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 106°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 106.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 107°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 107.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 108°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 108.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 109°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 109.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 110°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 110.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 111°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 111.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 112°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

TEST NUMBER: P1175576

CATALOG NUMBER: HLA305FS5-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 112.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 113°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 113.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 114°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 114.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 115°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 115.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 116°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.1  |
| 116.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.1    | 0.1  |
| 117°   | 0.0    | 0.1  | 0.0    | 0.1  | 0.1    | 0.1  |
| 117.5° | 0.0    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 118°   | 0.0    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 118.5° | 0.0    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 119°   | 0.0    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 119.5° | 0.0    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 120°   | 0.0    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 120.5° | 0.0    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 121°   | 0.0    | 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  |

TEST NUMBER: P1175576

CATALOG NUMBER: HLA305FS5-3500K

**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°   | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 146.5° | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 147°   | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 147.5° | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 148°   | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 148.5° | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 149°   | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 149.5° | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 150°   | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 150.5° | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 151°   | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 151.5° | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 152°   | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 152.5° | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 153°   | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 153.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 154°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 154.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 155°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 155.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 156°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 156.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 157°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |

TEST NUMBER: P1175576

CATALOG NUMBER: HLA305FS5-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 157.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 158°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 158.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 159°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 159.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 160°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 160.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 161°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 161.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 162°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 162.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 163°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 163.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 164°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 164.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 165°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 165.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 166°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 166.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 167°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 167.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 168°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 168.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 169°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 169.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 170°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 170.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 171°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 171.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 172°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 172.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 173°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 173.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 174°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 174.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 175°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 175.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 176°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 176.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 177°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 177.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 178°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 178.5° | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 179°   | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 179.5° | 0.2    | 0.2  | 0.1    | 0.1  | 0.1    | 0.1  |



TEST NUMBER: P1175576

CATALOG NUMBER: HLA305FS5-3500K

**CANDELA DISTRIBUTION (continued):**

|      | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|------|--------|------|--------|------|--------|------|
| 180° | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |













































(END OF REPORT)