

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: A1914661B001

Luminaire Tested: **HLBSL6099FS351EMWR**

Test Date: 2019-08-30

Test Information

Test Method: LM-79-08
Report Number: A1914661B001
Test Lab: EVERFINE
Test Date: 2019-08-30
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: HLBSL6099FS351EMWR
Description: HLBSL6
Light Source: -
Ballast/Driver: -

Summary

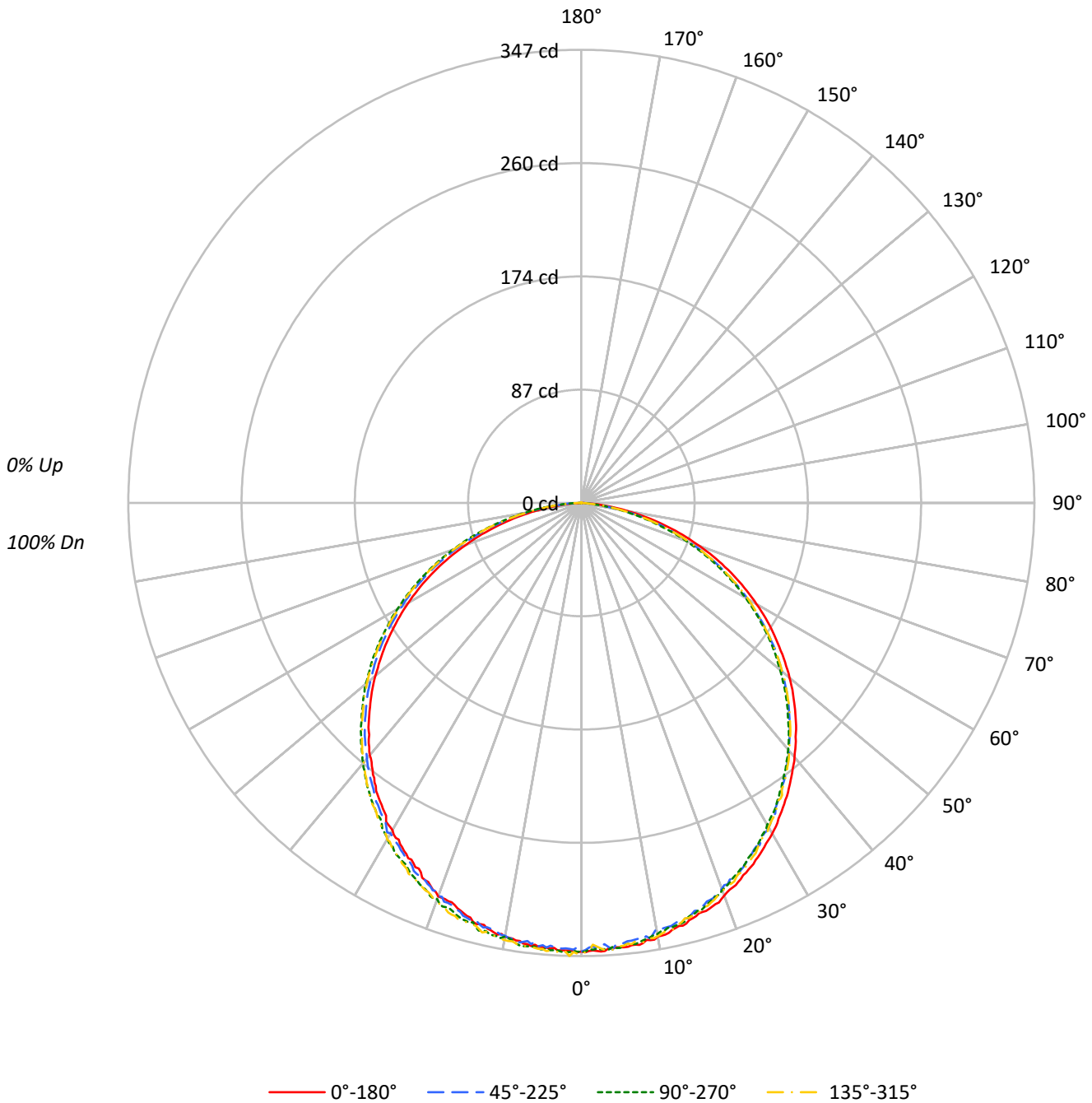
Lumens per Lamp: N/A
Luminaire Lumens: 986.2 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Point Source (0m x 0m x 0m)
CIE Type: Direct

Input Watts (W): 12.4192
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: A1914661B001
CATALOG NUMBER: HLBSL6099FS351EMWR

Luminous Intensity Polar Plot





TEST NUMBER: A1914661B001
 CATALOG NUMBER: HLBSL6099FS351EMWR

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | |
| 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 | 100 |
| 1 | 109 | 104 | 100 | 96 | 106 | 102 | 98 | 94 | 97 | 94 | 91 | 94 | 91 | 88 | 90 | 88 | 86 | 84 |
| 2 | 99 | 90 | 84 | 78 | 96 | 89 | 82 | 77 | 85 | 80 | 75 | 82 | 77 | 73 | 79 | 75 | 72 | 70 |
| 3 | 90 | 79 | 71 | 65 | 87 | 78 | 70 | 64 | 75 | 68 | 63 | 72 | 66 | 62 | 69 | 65 | 61 | 58 |
| 4 | 82 | 70 | 61 | 55 | 80 | 69 | 61 | 54 | 66 | 59 | 53 | 64 | 58 | 53 | 62 | 56 | 52 | 50 |
| 5 | 76 | 63 | 54 | 47 | 74 | 62 | 53 | 47 | 59 | 52 | 46 | 57 | 51 | 46 | 56 | 50 | 45 | 43 |
| 6 | 70 | 56 | 47 | 41 | 68 | 55 | 47 | 41 | 54 | 46 | 40 | 52 | 45 | 40 | 50 | 44 | 40 | 37 |
| 7 | 65 | 51 | 42 | 36 | 63 | 50 | 42 | 36 | 49 | 41 | 36 | 47 | 40 | 35 | 46 | 40 | 35 | 33 |
| 8 | 60 | 47 | 38 | 32 | 59 | 46 | 38 | 32 | 45 | 37 | 32 | 43 | 37 | 32 | 42 | 36 | 31 | 29 |
| 9 | 56 | 43 | 34 | 29 | 55 | 42 | 34 | 29 | 41 | 34 | 29 | 40 | 33 | 28 | 39 | 33 | 28 | 26 |
| 10 | 53 | 39 | 31 | 26 | 51 | 39 | 31 | 26 | 38 | 31 | 26 | 37 | 30 | 26 | 36 | 30 | 26 | 24 |

AVERAGE LUMINANCE (cd/sqm):

| | | | | |
|-----|--|-----|------|------|
| | 0° | 90° | 180° | 270° |
| 0° | Luminaire represents a point source (luminous area is zero). | | | |
| 5° | No luminance values can be calculated. | | | |
| 10° | | | | |
| 15° | | | | |
| 20° | | | | |
| 25° | | | | |
| 30° | | | | |
| 35° | | | | |
| 40° | | | | |
| 45° | | | | |
| 50° | | | | |
| 55° | | | | |
| 60° | | | | |
| 65° | | | | |
| 70° | | | | |
| 75° | | | | |
| 80° | | | | |
| 85° | | | | |



TEST NUMBER: A1914661B001
 CATALOG NUMBER: HLBSL6099FS351EMWR

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 32.4 | 3.3 |
| 10°-20° | 93.0 | 9.4 |
| 20°-30° | 141.1 | 14.3 |
| 30°-40° | 170.7 | 17.3 |
| 40°-50° | 177.9 | 18.0 |
| 50°-60° | 161.8 | 16.4 |
| 60°-70° | 123.8 | 12.6 |
| 70°-80° | 69.2 | 7.0 |
| 80°-90° | 15.8 | 1.6 |
| 90°-100° | 0.0 | 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° | 0.1 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 266.5 | 27.0 |
| 0°-40° | 437.2 | 44.3 |
| 0°-60° | 776.9 | 78.8 |
| 0°-90° | 985.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.3 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 986.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0° | 343 | 343 | 343 | 343 | 343 | |
| 5° | 342 | 342 | 342 | 343 | 342 | 33 |
| 15° | 329 | 326 | 329 | 333 | 329 | 93 |
| 25° | 307 | 301 | 304 | 312 | 307 | 142 |
| 35° | 274 | 267 | 272 | 279 | 274 | 172 |
| 45° | 232 | 223 | 230 | 238 | 232 | 179 |
| 55° | 182 | 173 | 180 | 190 | 182 | 163 |
| 65° | 127 | 116 | 124 | 135 | 127 | 125 |
| 75° | 66 | 56 | 65 | 75 | 66 | 70 |
| 85° | 12 | 7 | 12 | 19 | 12 | 15 |
| 90° | 0 | 0 | 0 | 2 | 0 | 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: A1914661B001
 CATALOG NUMBER: HLBSL6099FS351EMWR

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 0° | 343.5 | 343.5 | 343.5 | 343.5 | 343.5 | 343.5 | 343.5 | 343.5 | 343.5 | 343.5 | 343.5 |
| 0.5° | 344.1 | 343.1 | 342.4 | 338.4 | 343.7 | 343.9 | 344.4 | 342.7 | 344.1 | 345.2 | 340.0 |
| 1° | 343.2 | 344.0 | 340.6 | 341.7 | 342.0 | 343.3 | 343.0 | 343.8 | 343.1 | 346.9 | 342.2 |
| 1.5° | 342.9 | 342.4 | 339.8 | 344.0 | 342.2 | 343.1 | 338.4 | 343.6 | 342.9 | 344.1 | 341.5 |
| 2° | 343.3 | 342.1 | 341.0 | 342.1 | 341.6 | 343.6 | 339.9 | 343.2 | 342.9 | 341.6 | 341.3 |
| 2.5° | 343.8 | 341.6 | 339.6 | 341.9 | 342.3 | 341.8 | 341.4 | 341.9 | 342.9 | 343.0 | 341.6 |
| 3° | 343.5 | 342.5 | 338.4 | 340.4 | 342.1 | 342.1 | 342.8 | 342.9 | 343.1 | 342.3 | 341.4 |
| 3.5° | 341.7 | 342.8 | 340.6 | 341.0 | 342.8 | 341.9 | 342.2 | 340.7 | 341.4 | 342.0 | 340.6 |
| 4° | 342.1 | 342.1 | 342.9 | 342.1 | 340.8 | 344.1 | 342.9 | 339.8 | 342.0 | 340.4 | 339.9 |
| 4.5° | 341.3 | 342.2 | 339.1 | 341.1 | 341.9 | 341.9 | 342.0 | 341.0 | 341.8 | 341.9 | 341.6 |
| 5° | 341.6 | 340.6 | 339.1 | 340.2 | 341.9 | 340.2 | 340.8 | 338.7 | 341.6 | 342.4 | 340.0 |
| 5.5° | 341.9 | 340.3 | 338.6 | 338.2 | 340.5 | 339.1 | 340.7 | 339.6 | 341.5 | 342.3 | 341.0 |
| 6° | 341.8 | 340.7 | 337.5 | 338.2 | 339.5 | 338.2 | 339.6 | 339.8 | 340.2 | 342.6 | 337.7 |
| 6.5° | 340.8 | 340.7 | 337.3 | 338.0 | 339.8 | 337.3 | 340.0 | 339.8 | 341.4 | 340.2 | 340.1 |
| 7° | 340.8 | 340.7 | 337.0 | 337.6 | 340.4 | 338.9 | 338.4 | 338.8 | 340.4 | 341.8 | 338.0 |
| 7.5° | 341.3 | 340.8 | 336.4 | 337.1 | 339.3 | 337.3 | 339.8 | 338.3 | 340.3 | 339.9 | 339.0 |
| 8° | 340.3 | 341.0 | 337.6 | 335.8 | 338.4 | 335.6 | 339.8 | 339.9 | 338.8 | 339.1 | 339.9 |
| 8.5° | 338.4 | 338.2 | 335.4 | 337.0 | 337.5 | 335.9 | 339.3 | 338.0 | 338.7 | 339.7 | 337.5 |
| 9° | 339.0 | 337.4 | 337.8 | 334.2 | 336.8 | 336.4 | 337.6 | 336.6 | 337.7 | 340.4 | 337.8 |
| 9.5° | 339.0 | 337.5 | 334.4 | 333.4 | 335.5 | 334.6 | 337.9 | 337.8 | 337.5 | 339.1 | 337.9 |
| 10° | 337.1 | 336.6 | 331.1 | 333.8 | 335.2 | 333.8 | 336.9 | 336.3 | 337.4 | 337.2 | 336.5 |
| 10.5° | 337.1 | 335.2 | 332.1 | 335.3 | 333.7 | 335.6 | 335.9 | 336.2 | 335.6 | 338.7 | 336.5 |
| 11° | 336.8 | 335.8 | 331.6 | 332.8 | 333.7 | 334.2 | 334.5 | 334.3 | 336.7 | 337.8 | 335.1 |
| 11.5° | 336.0 | 335.1 | 331.4 | 330.8 | 331.9 | 331.8 | 333.7 | 334.1 | 335.8 | 334.2 | 333.5 |
| 12° | 334.2 | 333.9 | 331.2 | 330.2 | 332.4 | 330.8 | 334.2 | 333.5 | 334.5 | 334.1 | 333.4 |
| 12.5° | 333.4 | 333.5 | 330.0 | 329.8 | 331.8 | 328.2 | 333.7 | 334.0 | 333.7 | 334.3 | 332.8 |
| 13° | 332.5 | 333.2 | 328.9 | 330.0 | 331.1 | 330.7 | 331.1 | 331.0 | 331.7 | 334.5 | 333.6 |
| 13.5° | 332.9 | 331.8 | 329.0 | 328.9 | 330.8 | 329.3 | 330.1 | 329.3 | 331.7 | 335.0 | 332.4 |
| 14° | 331.9 | 331.5 | 328.1 | 327.5 | 330.0 | 328.7 | 327.8 | 328.4 | 332.3 | 331.6 | 330.4 |
| 14.5° | 330.1 | 330.0 | 328.6 | 326.2 | 327.6 | 328.6 | 328.3 | 327.5 | 331.3 | 330.5 | 329.2 |
| 15° | 329.2 | 329.6 | 326.1 | 325.5 | 326.3 | 327.9 | 327.5 | 326.0 | 328.6 | 330.8 | 330.4 |
| 15.5° | 328.4 | 328.2 | 324.2 | 325.0 | 326.1 | 325.3 | 326.1 | 326.0 | 328.2 | 330.5 | 329.4 |
| 16° | 327.0 | 328.3 | 324.3 | 323.9 | 324.5 | 322.6 | 326.0 | 326.0 | 327.0 | 328.6 | 328.8 |
| 16.5° | 326.7 | 327.2 | 323.0 | 323.1 | 324.7 | 324.4 | 325.6 | 324.8 | 325.7 | 329.2 | 326.6 |
| 17° | 326.7 | 325.6 | 321.8 | 322.2 | 323.3 | 322.5 | 323.8 | 323.1 | 324.6 | 327.0 | 325.7 |
| 17.5° | 326.0 | 325.3 | 319.9 | 320.8 | 321.8 | 320.9 | 323.2 | 322.3 | 322.8 | 326.9 | 324.3 |
| 18° | 325.0 | 324.2 | 319.6 | 319.3 | 320.7 | 320.6 | 321.8 | 322.0 | 321.6 | 324.1 | 323.5 |
| 18.5° | 324.0 | 322.9 | 319.0 | 318.7 | 318.8 | 318.7 | 320.6 | 321.0 | 321.6 | 322.7 | 322.9 |
| 19° | 323.6 | 321.1 | 317.1 | 318.0 | 318.4 | 318.1 | 319.0 | 318.6 | 320.8 | 322.4 | 323.0 |
| 19.5° | 321.5 | 319.9 | 316.4 | 315.8 | 317.8 | 316.5 | 317.0 | 317.4 | 320.8 | 323.7 | 319.8 |
| 20° | 320.0 | 319.1 | 314.4 | 313.0 | 315.5 | 315.9 | 315.8 | 316.3 | 320.7 | 321.0 | 320.5 |
| 20.5° | 318.4 | 317.7 | 312.5 | 313.7 | 314.3 | 314.7 | 315.4 | 316.1 | 318.0 | 319.6 | 317.1 |
| 21° | 317.2 | 316.4 | 312.9 | 312.1 | 313.1 | 313.0 | 314.2 | 314.1 | 317.3 | 317.7 | 317.9 |
| 21.5° | 316.4 | 315.2 | 309.9 | 311.7 | 311.7 | 311.9 | 313.3 | 313.1 | 315.3 | 316.3 | 315.6 |
| 22° | 315.6 | 313.5 | 309.9 | 310.4 | 309.8 | 309.7 | 312.6 | 311.5 | 313.0 | 315.8 | 314.5 |



TEST NUMBER: A1914661B001
 CATALOG NUMBER: HLBSL6099FS351EMWR

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 22.5° | 314.1 | 311.8 | 309.0 | 308.2 | 308.5 | 307.3 | 310.0 | 311.8 | 312.6 | 314.3 | 312.7 |
| 23° | 312.8 | 312.2 | 308.4 | 308.0 | 307.3 | 307.1 | 308.3 | 310.0 | 311.9 | 311.9 | 312.9 |
| 23.5° | 310.8 | 309.0 | 306.5 | 306.9 | 305.8 | 305.3 | 308.6 | 308.0 | 308.4 | 311.8 | 311.5 |
| 24° | 310.0 | 307.2 | 305.2 | 304.9 | 305.0 | 304.9 | 306.5 | 305.5 | 306.4 | 310.5 | 310.7 |
| 24.5° | 308.6 | 306.3 | 303.2 | 302.8 | 303.2 | 303.1 | 305.2 | 304.4 | 306.5 | 309.6 | 309.7 |
| 25° | 307.4 | 306.2 | 301.9 | 301.2 | 300.9 | 301.9 | 303.9 | 303.6 | 304.4 | 309.0 | 306.7 |
| 25.5° | 306.3 | 304.1 | 300.2 | 299.4 | 299.6 | 301.2 | 302.1 | 301.1 | 302.5 | 303.8 | 305.0 |
| 26° | 304.3 | 302.3 | 298.4 | 297.8 | 298.4 | 298.0 | 300.7 | 300.3 | 302.7 | 303.3 | 304.4 |
| 26.5° | 303.2 | 301.1 | 296.5 | 296.1 | 297.3 | 298.1 | 299.6 | 298.4 | 300.4 | 303.3 | 302.7 |
| 27° | 301.7 | 299.8 | 295.2 | 294.1 | 295.6 | 295.3 | 297.0 | 297.7 | 299.1 | 301.8 | 300.8 |
| 27.5° | 300.1 | 297.1 | 295.5 | 292.8 | 293.7 | 294.0 | 294.7 | 294.8 | 297.3 | 299.5 | 299.6 |
| 28° | 298.5 | 296.3 | 293.3 | 290.7 | 292.1 | 292.1 | 293.4 | 293.8 | 295.9 | 298.7 | 297.6 |
| 28.5° | 296.7 | 295.3 | 290.8 | 289.5 | 289.9 | 290.0 | 291.2 | 292.8 | 293.2 | 297.1 | 296.4 |
| 29° | 295.4 | 293.2 | 289.1 | 287.8 | 288.4 | 288.4 | 290.3 | 291.1 | 293.3 | 296.3 | 295.1 |
| 29.5° | 294.0 | 291.4 | 288.4 | 286.7 | 287.3 | 286.1 | 289.5 | 289.4 | 291.8 | 293.5 | 293.8 |
| 30° | 292.4 | 289.9 | 287.0 | 286.0 | 284.5 | 284.8 | 286.9 | 287.9 | 289.3 | 292.0 | 292.1 |
| 30.5° | 290.7 | 288.5 | 285.1 | 284.3 | 283.0 | 283.6 | 285.0 | 286.0 | 288.2 | 290.8 | 292.9 |
| 31° | 289.1 | 286.3 | 283.0 | 282.3 | 281.5 | 281.9 | 283.4 | 284.1 | 287.2 | 289.1 | 290.0 |
| 31.5° | 287.4 | 285.0 | 281.4 | 280.0 | 279.8 | 279.7 | 282.0 | 282.3 | 286.4 | 287.2 | 287.0 |
| 32° | 285.1 | 283.7 | 280.5 | 278.3 | 278.5 | 277.9 | 280.1 | 280.5 | 282.2 | 287.3 | 285.1 |
| 32.5° | 283.3 | 281.3 | 277.0 | 276.2 | 276.7 | 276.0 | 277.9 | 278.7 | 280.7 | 284.4 | 283.9 |
| 33° | 281.5 | 279.6 | 274.9 | 274.5 | 274.5 | 273.9 | 276.4 | 276.8 | 279.1 | 282.0 | 282.5 |
| 33.5° | 279.6 | 277.5 | 273.2 | 272.3 | 272.5 | 272.4 | 273.3 | 275.1 | 277.2 | 281.1 | 280.5 |
| 34° | 278.0 | 275.9 | 271.5 | 270.2 | 270.8 | 270.6 | 272.9 | 273.3 | 275.6 | 279.4 | 278.8 |
| 34.5° | 276.0 | 274.0 | 269.9 | 268.4 | 268.4 | 268.4 | 271.5 | 271.5 | 274.0 | 277.2 | 277.5 |
| 35° | 274.4 | 271.8 | 267.7 | 266.4 | 267.2 | 266.8 | 267.6 | 269.6 | 272.2 | 275.2 | 274.8 |
| 35.5° | 272.4 | 269.8 | 265.3 | 264.3 | 264.6 | 264.7 | 266.3 | 267.3 | 270.9 | 272.5 | 273.2 |
| 36° | 270.4 | 267.7 | 263.9 | 262.2 | 262.8 | 262.8 | 264.4 | 265.3 | 268.0 | 270.9 | 271.0 |
| 36.5° | 268.3 | 265.3 | 261.9 | 260.6 | 260.6 | 260.6 | 262.5 | 263.4 | 266.3 | 269.3 | 269.1 |
| 37° | 266.3 | 263.8 | 259.8 | 258.0 | 258.7 | 258.7 | 260.6 | 261.4 | 263.6 | 267.0 | 267.2 |
| 37.5° | 264.3 | 261.4 | 257.6 | 256.2 | 256.9 | 256.6 | 258.5 | 259.4 | 262.1 | 264.8 | 265.6 |
| 38° | 262.3 | 259.5 | 255.7 | 254.0 | 254.9 | 254.5 | 256.3 | 257.5 | 259.8 | 262.0 | 263.6 |
| 38.5° | 260.2 | 257.3 | 253.7 | 252.0 | 252.6 | 252.5 | 254.4 | 255.4 | 257.6 | 259.7 | 261.6 |
| 39° | 258.2 | 255.3 | 251.6 | 249.6 | 250.7 | 250.5 | 252.4 | 253.4 | 255.4 | 258.2 | 259.7 |
| 39.5° | 256.3 | 253.3 | 249.6 | 247.6 | 248.6 | 248.2 | 250.1 | 251.3 | 253.4 | 256.5 | 257.6 |
| 40° | 253.9 | 251.4 | 247.4 | 245.9 | 246.5 | 246.3 | 247.7 | 249.2 | 252.2 | 255.4 | 255.5 |
| 40.5° | 251.6 | 249.3 | 245.1 | 243.3 | 244.3 | 244.3 | 245.5 | 247.0 | 250.2 | 252.6 | 253.4 |
| 41° | 249.7 | 247.5 | 242.9 | 240.9 | 242.2 | 242.0 | 243.2 | 244.7 | 247.7 | 250.6 | 251.5 |
| 41.5° | 247.8 | 245.1 | 240.8 | 239.0 | 239.8 | 239.9 | 241.0 | 242.6 | 245.7 | 248.5 | 249.4 |
| 42° | 245.5 | 242.9 | 238.5 | 237.1 | 237.5 | 237.6 | 239.1 | 240.5 | 243.5 | 246.4 | 247.4 |
| 42.5° | 243.0 | 240.8 | 236.4 | 235.5 | 235.0 | 235.4 | 237.0 | 238.2 | 240.6 | 244.2 | 245.3 |
| 43° | 241.0 | 238.5 | 233.9 | 232.7 | 232.7 | 232.8 | 234.7 | 236.0 | 238.9 | 242.2 | 243.3 |
| 43.5° | 239.0 | 236.2 | 231.7 | 230.2 | 230.3 | 230.7 | 232.3 | 233.4 | 236.9 | 239.8 | 241.0 |
| 44° | 236.8 | 233.9 | 229.5 | 227.9 | 227.9 | 228.4 | 230.0 | 231.1 | 234.4 | 237.4 | 238.8 |
| 44.5° | 234.3 | 231.7 | 227.3 | 225.7 | 225.6 | 226.0 | 227.6 | 228.8 | 232.0 | 235.1 | 236.5 |



TEST NUMBER: A1914661B001
 CATALOG NUMBER: HLBSL6099FS351EMWR

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 45° | 232.0 | 229.4 | 224.9 | 223.2 | 223.4 | 223.7 | 225.5 | 226.7 | 229.8 | 232.9 | 234.2 |
| 45.5° | 229.8 | 227.2 | 222.6 | 221.1 | 221.0 | 221.4 | 223.1 | 224.4 | 227.6 | 230.8 | 231.8 |
| 46° | 227.5 | 224.9 | 220.2 | 219.0 | 218.8 | 219.0 | 220.7 | 222.1 | 225.1 | 228.7 | 229.5 |
| 46.5° | 225.1 | 222.5 | 217.9 | 216.2 | 216.3 | 216.7 | 218.2 | 219.8 | 222.9 | 226.4 | 227.3 |
| 47° | 222.8 | 219.9 | 215.5 | 213.7 | 213.9 | 214.1 | 215.7 | 217.4 | 220.4 | 224.0 | 225.0 |
| 47.5° | 220.5 | 217.6 | 213.2 | 211.0 | 211.3 | 211.6 | 213.3 | 214.8 | 218.1 | 221.6 | 222.9 |
| 48° | 218.1 | 215.2 | 210.6 | 208.6 | 208.8 | 209.0 | 211.0 | 212.4 | 215.8 | 219.2 | 220.6 |
| 48.5° | 215.8 | 212.7 | 208.0 | 206.2 | 206.3 | 206.7 | 208.5 | 210.2 | 213.3 | 216.6 | 218.2 |
| 49° | 213.1 | 210.3 | 205.4 | 203.6 | 203.9 | 204.1 | 206.1 | 207.7 | 211.0 | 214.1 | 215.6 |
| 49.5° | 210.8 | 207.7 | 203.0 | 200.9 | 201.3 | 201.6 | 203.6 | 205.3 | 208.6 | 211.7 | 213.1 |
| 50° | 208.2 | 205.3 | 200.4 | 198.5 | 198.7 | 198.8 | 200.9 | 202.7 | 206.0 | 209.2 | 210.6 |
| 50.5° | 205.8 | 202.8 | 198.1 | 196.2 | 196.0 | 196.3 | 198.3 | 200.2 | 203.3 | 206.7 | 208.2 |
| 51° | 203.0 | 200.0 | 195.6 | 193.7 | 193.5 | 193.6 | 195.8 | 197.4 | 200.6 | 204.2 | 205.7 |
| 51.5° | 200.4 | 197.6 | 193.1 | 191.0 | 191.2 | 191.0 | 193.3 | 194.9 | 198.4 | 201.8 | 203.3 |
| 52° | 198.0 | 194.9 | 190.2 | 188.6 | 188.8 | 188.4 | 190.6 | 192.4 | 195.8 | 199.3 | 201.0 |
| 52.5° | 195.5 | 192.4 | 187.9 | 186.1 | 186.1 | 185.9 | 187.7 | 190.0 | 193.1 | 196.8 | 198.5 |
| 53° | 192.8 | 190.0 | 185.4 | 183.6 | 183.4 | 183.1 | 185.2 | 187.4 | 190.5 | 194.1 | 195.8 |
| 53.5° | 189.9 | 187.5 | 182.7 | 180.5 | 180.8 | 180.6 | 182.6 | 184.9 | 188.0 | 191.5 | 193.3 |
| 54° | 187.5 | 184.7 | 180.0 | 177.9 | 178.2 | 177.8 | 180.0 | 181.9 | 185.5 | 189.0 | 190.9 |
| 54.5° | 184.8 | 181.9 | 177.2 | 175.1 | 175.5 | 175.3 | 177.3 | 179.5 | 182.8 | 186.5 | 188.4 |
| 55° | 182.0 | 179.3 | 174.6 | 172.4 | 172.8 | 172.7 | 174.7 | 176.8 | 180.1 | 183.8 | 185.8 |
| 55.5° | 179.6 | 176.6 | 172.0 | 169.8 | 170.1 | 170.0 | 171.8 | 174.3 | 177.5 | 181.1 | 183.0 |
| 56° | 177.0 | 173.9 | 169.3 | 167.0 | 167.3 | 167.3 | 169.0 | 171.4 | 174.8 | 178.5 | 180.1 |
| 56.5° | 174.5 | 170.9 | 166.5 | 164.2 | 164.6 | 164.6 | 166.5 | 168.7 | 172.1 | 175.8 | 177.7 |
| 57° | 171.8 | 168.1 | 163.7 | 161.3 | 161.9 | 162.0 | 163.9 | 165.9 | 169.5 | 173.2 | 175.2 |
| 57.5° | 168.9 | 165.3 | 160.6 | 158.6 | 159.1 | 159.2 | 161.1 | 163.2 | 166.7 | 170.5 | 172.5 |
| 58° | 166.4 | 162.5 | 158.0 | 156.1 | 156.4 | 156.7 | 158.2 | 160.5 | 164.1 | 167.8 | 169.6 |
| 58.5° | 163.5 | 159.8 | 155.5 | 153.3 | 153.6 | 154.0 | 155.8 | 157.9 | 161.5 | 165.0 | 167.0 |
| 59° | 160.7 | 157.2 | 152.9 | 150.5 | 150.8 | 151.1 | 153.1 | 155.2 | 158.6 | 162.3 | 164.5 |
| 59.5° | 157.9 | 154.6 | 149.9 | 147.8 | 148.0 | 148.3 | 150.4 | 152.4 | 155.9 | 159.5 | 161.7 |
| 60° | 155.1 | 151.6 | 147.1 | 145.1 | 145.2 | 145.5 | 147.7 | 149.7 | 153.1 | 156.8 | 158.9 |
| 60.5° | 152.3 | 148.9 | 144.5 | 142.2 | 142.3 | 142.7 | 144.9 | 146.8 | 150.4 | 154.0 | 156.2 |
| 61° | 149.4 | 145.8 | 141.6 | 139.1 | 139.6 | 139.7 | 141.9 | 143.9 | 147.6 | 151.3 | 153.6 |
| 61.5° | 146.5 | 143.0 | 138.8 | 136.5 | 136.6 | 136.7 | 138.9 | 141.1 | 144.8 | 148.3 | 151.0 |
| 62° | 143.8 | 140.3 | 135.9 | 133.5 | 133.7 | 133.8 | 136.1 | 138.4 | 142.0 | 145.5 | 148.2 |
| 62.5° | 140.7 | 137.3 | 133.0 | 130.7 | 130.7 | 131.0 | 133.3 | 135.5 | 139.0 | 142.8 | 145.3 |
| 63° | 137.9 | 134.6 | 130.0 | 127.7 | 127.7 | 128.1 | 130.4 | 132.5 | 136.3 | 140.1 | 142.5 |
| 63.5° | 135.1 | 131.4 | 127.2 | 124.7 | 124.8 | 125.2 | 127.4 | 129.6 | 133.4 | 137.1 | 139.4 |
| 64° | 132.3 | 128.4 | 124.1 | 122.0 | 122.1 | 122.4 | 124.5 | 126.7 | 130.4 | 134.2 | 136.6 |
| 64.5° | 129.3 | 125.5 | 121.4 | 119.0 | 119.1 | 119.4 | 121.6 | 123.9 | 127.5 | 131.3 | 133.9 |
| 65° | 126.7 | 122.7 | 118.2 | 116.0 | 116.2 | 116.4 | 118.6 | 121.0 | 124.5 | 128.6 | 130.9 |
| 65.5° | 123.5 | 119.7 | 115.4 | 113.1 | 113.1 | 113.3 | 115.6 | 118.1 | 121.8 | 125.6 | 128.0 |
| 66° | 120.3 | 116.7 | 112.5 | 110.3 | 110.1 | 110.3 | 112.4 | 115.0 | 118.8 | 122.7 | 125.1 |
| 66.5° | 117.5 | 113.9 | 109.7 | 107.5 | 107.2 | 107.3 | 109.4 | 112.2 | 115.7 | 119.7 | 122.3 |
| 67° | 114.5 | 111.0 | 106.7 | 104.2 | 104.0 | 104.4 | 106.5 | 109.2 | 112.8 | 116.8 | 119.3 |



TEST NUMBER: A1914661B001
 CATALOG NUMBER: HLBSL6099FS351EMWR

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 67.5° | 111.6 | 107.9 | 103.6 | 101.2 | 100.9 | 101.3 | 103.6 | 106.0 | 109.7 | 113.8 | 116.4 |
| 68° | 108.6 | 104.8 | 100.7 | 98.0 | 98.0 | 98.4 | 100.6 | 102.9 | 106.6 | 110.8 | 113.3 |
| 68.5° | 105.6 | 102.0 | 97.6 | 95.1 | 95.0 | 95.4 | 97.5 | 100.0 | 103.6 | 107.8 | 110.4 |
| 69° | 102.4 | 98.8 | 94.5 | 91.9 | 92.0 | 92.5 | 94.5 | 96.9 | 100.6 | 104.7 | 107.3 |
| 69.5° | 99.4 | 95.7 | 91.3 | 88.9 | 89.0 | 89.4 | 91.4 | 93.9 | 97.6 | 101.8 | 104.5 |
| 70° | 96.5 | 92.6 | 88.6 | 86.2 | 86.0 | 86.5 | 88.6 | 91.0 | 94.6 | 98.8 | 101.5 |
| 70.5° | 93.3 | 89.6 | 85.4 | 83.1 | 83.0 | 83.5 | 85.6 | 88.2 | 91.6 | 95.7 | 98.5 |
| 71° | 90.2 | 86.7 | 82.4 | 79.9 | 79.9 | 80.5 | 82.6 | 85.2 | 88.7 | 92.6 | 95.4 |
| 71.5° | 87.6 | 83.5 | 79.5 | 76.9 | 77.0 | 77.5 | 79.5 | 82.1 | 85.8 | 89.7 | 92.5 |
| 72° | 84.5 | 80.4 | 76.4 | 73.9 | 74.0 | 74.6 | 76.4 | 79.2 | 82.9 | 86.7 | 89.5 |
| 72.5° | 81.4 | 77.5 | 73.5 | 70.9 | 71.0 | 71.6 | 73.6 | 76.2 | 80.0 | 83.8 | 86.7 |
| 73° | 78.3 | 74.6 | 70.3 | 67.9 | 67.8 | 68.5 | 70.4 | 73.3 | 76.9 | 80.7 | 83.6 |
| 73.5° | 75.4 | 71.4 | 67.6 | 65.1 | 64.9 | 65.5 | 67.4 | 70.3 | 73.8 | 77.9 | 80.7 |
| 74° | 72.3 | 68.4 | 64.6 | 62.1 | 62.1 | 62.6 | 64.5 | 67.3 | 70.8 | 75.0 | 77.8 |
| 74.5° | 69.2 | 65.4 | 61.4 | 59.0 | 59.2 | 59.6 | 61.5 | 64.2 | 67.9 | 72.0 | 74.8 |
| 75° | 66.2 | 62.3 | 58.4 | 56.0 | 56.2 | 56.6 | 58.6 | 61.2 | 64.9 | 68.8 | 71.8 |
| 75.5° | 63.1 | 59.4 | 55.5 | 53.1 | 53.4 | 53.8 | 55.6 | 58.3 | 62.0 | 65.8 | 68.8 |
| 76° | 60.2 | 56.3 | 52.6 | 50.2 | 50.5 | 50.9 | 52.7 | 55.5 | 59.1 | 62.8 | 65.7 |
| 76.5° | 57.2 | 53.5 | 49.6 | 47.3 | 47.6 | 48.0 | 49.9 | 52.6 | 56.1 | 59.8 | 62.7 |
| 77° | 54.1 | 50.6 | 46.7 | 44.4 | 44.9 | 45.1 | 47.0 | 49.8 | 53.2 | 57.0 | 59.9 |
| 77.5° | 51.2 | 47.7 | 43.9 | 41.5 | 42.1 | 42.4 | 44.2 | 46.9 | 50.5 | 54.2 | 56.9 |
| 78° | 48.3 | 44.6 | 40.9 | 38.8 | 39.3 | 39.6 | 41.4 | 44.1 | 47.5 | 51.2 | 54.2 |
| 78.5° | 45.4 | 41.9 | 38.3 | 36.0 | 36.5 | 36.9 | 38.6 | 41.2 | 44.6 | 48.3 | 51.2 |
| 79° | 42.5 | 39.0 | 35.4 | 33.2 | 33.8 | 34.1 | 35.9 | 38.5 | 41.8 | 45.5 | 48.3 |
| 79.5° | 39.6 | 36.2 | 32.7 | 30.4 | 31.1 | 31.4 | 33.2 | 35.8 | 39.1 | 42.7 | 45.5 |
| 80° | 36.8 | 33.3 | 30.0 | 27.9 | 28.4 | 28.8 | 30.6 | 33.1 | 36.3 | 39.8 | 42.7 |
| 80.5° | 34.0 | 30.7 | 27.4 | 25.4 | 26.0 | 26.3 | 28.0 | 30.4 | 33.6 | 37.2 | 39.8 |
| 81° | 31.4 | 28.1 | 24.9 | 22.9 | 23.5 | 23.9 | 25.4 | 27.8 | 31.0 | 34.4 | 37.2 |
| 81.5° | 28.6 | 25.4 | 22.5 | 20.6 | 21.2 | 21.4 | 23.0 | 25.3 | 28.4 | 31.7 | 34.4 |
| 82° | 26.0 | 23.0 | 20.0 | 18.2 | 18.9 | 19.1 | 20.7 | 22.8 | 25.9 | 29.0 | 31.8 |
| 82.5° | 23.6 | 20.7 | 17.8 | 16.0 | 16.6 | 17.0 | 18.5 | 20.6 | 23.4 | 26.5 | 29.1 |
| 83° | 21.2 | 18.3 | 15.6 | 13.9 | 14.4 | 14.8 | 16.1 | 18.3 | 21.0 | 24.1 | 26.6 |
| 83.5° | 18.9 | 16.0 | 13.5 | 11.9 | 12.4 | 12.6 | 13.9 | 16.1 | 18.8 | 21.6 | 24.1 |
| 84° | 16.6 | 13.9 | 11.4 | 10.0 | 10.4 | 10.6 | 11.8 | 13.8 | 16.5 | 19.4 | 21.6 |
| 84.5° | 14.4 | 11.8 | 9.6 | 8.2 | 8.6 | 8.8 | 9.9 | 11.7 | 14.3 | 17.2 | 19.5 |
| 85° | 12.4 | 9.9 | 7.8 | 6.6 | 6.9 | 7.1 | 8.2 | 9.9 | 12.2 | 14.9 | 17.2 |
| 85.5° | 10.4 | 8.1 | 6.2 | 5.0 | 5.2 | 5.4 | 6.4 | 8.1 | 10.2 | 12.8 | 15.0 |
| 86° | 8.7 | 6.6 | 4.8 | 3.7 | 3.8 | 4.1 | 4.8 | 6.2 | 8.4 | 10.8 | 12.9 |
| 86.5° | 7.0 | 5.0 | 3.5 | 2.7 | 2.6 | 2.7 | 3.6 | 4.8 | 6.6 | 9.0 | 11.0 |
| 87° | 5.4 | 3.8 | 2.5 | 1.7 | 1.4 | 1.7 | 2.2 | 3.4 | 5.1 | 7.2 | 9.1 |
| 87.5° | 4.0 | 2.6 | 1.5 | 1.0 | 0.7 | 0.6 | 1.0 | 2.1 | 3.8 | 5.5 | 7.3 |
| 88° | 2.9 | 1.7 | 0.9 | 0.5 | 0.0 | 0.0 | 0.3 | 1.1 | 2.4 | 4.1 | 5.6 |
| 88.5° | 1.9 | 1.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.3 | 2.8 | 4.1 |
| 89° | 1.2 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 1.7 | 2.9 |
| 89.5° | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 1.7 |



TEST NUMBER: A1914661B001
 CATALOG NUMBER: HLBSL6099FS351EMWR

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 90° | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 |
| 90.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 91° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 91.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 93° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 93.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 94° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 94.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 96° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 96.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 98° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 98.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 99° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 99.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 101° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 101.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102° | 0.0 | 0.0 | 0.0 | 0.0 | 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: A1914661B001
 CATALOG NUMBER: HLBSL6099FS351EMWR

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 | 0.1 | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115.5° | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 116° | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 116.5° | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117° | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 118° | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 118.5° | 0.1 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 119° | 0.1 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 119.5° | 0.1 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120.5° | 0.1 | 0.2 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 121° | 0.2 | 0.1 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 121.5° | 0.2 | 0.1 | 0.1 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122° | 0.2 | 0.1 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 123° | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 123.5° | 0.2 | 0.2 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 124° | 0.1 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 124.5° | 0.3 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.2 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125.5° | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 126° | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 126.5° | 0.2 | 0.1 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127° | 0.2 | 0.1 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.2 | 0.1 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 128° | 0.2 | 0.1 | 0.1 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 128.5° | 0.2 | 0.1 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 129° | 0.2 | 0.2 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 129.5° | 0.2 | 0.1 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.2 | 0.1 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130.5° | 0.2 | 0.3 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 131° | 0.2 | 0.3 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 131.5° | 0.2 | 0.2 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132° | 0.2 | 0.2 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.2 | 0.2 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 133° | 0.2 | 0.2 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 133.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 134° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 134.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: A1914661B001
 CATALOG NUMBER: HLBSL6099FS351EMWR

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 135° | 0.2 | 0.2 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135.5° | 0.2 | 0.2 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 136° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 136.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 |
| 137° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 |
| 137.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 |
| 138° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 |
| 138.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 |
| 139° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 |
| 139.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 |
| 140° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 |
| 140.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 141° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 |
| 141.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 142° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 142.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 |
| 143° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 143.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 144° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 |
| 144.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 |
| 145° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 145.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 |
| 146° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.3 | 0.2 |
| 146.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.3 | 0.2 |
| 147° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.3 |
| 147.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 |
| 148° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 |
| 148.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.2 |
| 149° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.3 | 0.2 |
| 149.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 | 0.2 | 0.3 | 0.2 |
| 150° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 |
| 150.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 |
| 151° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 151.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 152° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 152.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 153° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 153.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 154° | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 154.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 155° | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 155.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 156° | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 156.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 157° | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |



TEST NUMBER: A1914661B001
 CATALOG NUMBER: HLBSL6099FS351EMWR

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 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 158° | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 158.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 159° | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 159.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 160° | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 160.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 161° | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 161.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 162° | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 162.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 163° | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 163.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 164° | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 164.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 165° | 0.2 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 165.5° | 0.2 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 166° | 0.2 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 166.5° | 0.2 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 167° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 167.5° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 168° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 168.5° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 169° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 169.5° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 170° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 170.5° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 171° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 171.5° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 172° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 172.5° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 173° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 173.5° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 174° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 174.5° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 175° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 175.5° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 176° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 176.5° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 177° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 177.5° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 178° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 178.5° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 179° | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |
| 179.5° | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 |



TEST NUMBER: A1914661B001
CATALOG NUMBER: HLBSL6099FS351EMWR

CANDELA DISTRIBUTION (continued):

| | | | | | | | | | | | |
|------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
| 180° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |



TEST NUMBER: A1914661B001
 CATALOG NUMBER: HLBSL6099FS351EMWR

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 0° | 343.5 | 343.5 | 343.5 | 343.5 | 343.5 | 343.5 |
| 0.5° | 341.6 | 343.8 | 345.0 | 345.4 | 342.0 | 344.1 |
| 1° | 340.1 | 343.2 | 344.1 | 343.9 | 342.5 | 343.2 |
| 1.5° | 342.3 | 344.1 | 343.5 | 347.1 | 344.1 | 342.9 |
| 2° | 342.2 | 344.3 | 343.8 | 344.0 | 343.3 | 343.3 |
| 2.5° | 342.2 | 344.0 | 342.8 | 345.4 | 343.8 | 343.8 |
| 3° | 342.8 | 343.2 | 343.0 | 344.1 | 343.1 | 343.5 |
| 3.5° | 340.6 | 343.1 | 343.2 | 344.3 | 342.9 | 341.7 |
| 4° | 341.7 | 343.3 | 343.1 | 343.8 | 342.0 | 342.1 |
| 4.5° | 342.0 | 342.3 | 342.7 | 344.2 | 343.3 | 341.3 |
| 5° | 340.0 | 343.1 | 342.7 | 342.8 | 342.6 | 341.6 |
| 5.5° | 340.9 | 343.2 | 342.4 | 343.1 | 341.5 | 341.9 |
| 6° | 340.0 | 341.5 | 342.9 | 342.6 | 342.1 | 341.8 |
| 6.5° | 339.9 | 342.1 | 341.2 | 342.0 | 340.3 | 340.8 |
| 7° | 340.0 | 342.0 | 340.3 | 342.0 | 339.9 | 340.8 |
| 7.5° | 338.8 | 342.3 | 341.1 | 342.2 | 340.5 | 341.3 |
| 8° | 339.1 | 342.0 | 340.6 | 342.6 | 340.1 | 340.3 |
| 8.5° | 338.4 | 340.8 | 340.3 | 340.7 | 339.8 | 338.4 |
| 9° | 336.6 | 338.9 | 339.5 | 339.8 | 338.8 | 339.0 |
| 9.5° | 336.3 | 338.0 | 339.8 | 340.0 | 338.6 | 339.0 |
| 10° | 337.7 | 337.1 | 338.8 | 339.8 | 338.6 | 337.1 |
| 10.5° | 337.0 | 338.8 | 337.8 | 339.4 | 337.9 | 337.1 |
| 11° | 334.8 | 338.1 | 338.6 | 338.6 | 337.0 | 336.8 |
| 11.5° | 332.3 | 338.0 | 336.9 | 338.0 | 335.9 | 336.0 |
| 12° | 333.5 | 337.6 | 336.6 | 337.6 | 335.3 | 334.2 |
| 12.5° | 332.7 | 336.1 | 335.5 | 336.4 | 335.2 | 333.4 |
| 13° | 333.3 | 335.8 | 334.9 | 337.6 | 332.9 | 332.5 |
| 13.5° | 333.3 | 336.8 | 334.8 | 335.7 | 333.3 | 332.9 |
| 14° | 331.6 | 334.7 | 335.3 | 333.9 | 333.8 | 331.9 |
| 14.5° | 330.6 | 331.7 | 335.1 | 333.3 | 330.8 | 330.1 |
| 15° | 330.5 | 332.7 | 334.5 | 333.2 | 331.1 | 329.2 |
| 15.5° | 329.4 | 332.0 | 333.4 | 332.8 | 330.0 | 328.4 |
| 16° | 329.8 | 331.5 | 332.4 | 332.9 | 329.9 | 327.0 |
| 16.5° | 327.7 | 330.5 | 330.9 | 332.4 | 330.0 | 326.7 |
| 17° | 326.9 | 329.4 | 329.6 | 330.7 | 328.3 | 326.7 |
| 17.5° | 325.6 | 327.8 | 328.0 | 330.6 | 326.7 | 326.0 |
| 18° | 325.6 | 326.6 | 327.2 | 329.7 | 326.2 | 325.0 |
| 18.5° | 324.2 | 326.5 | 326.8 | 327.9 | 325.5 | 324.0 |
| 19° | 323.0 | 326.9 | 325.9 | 326.6 | 323.4 | 323.6 |
| 19.5° | 322.5 | 325.6 | 324.2 | 325.7 | 322.2 | 321.5 |
| 20° | 321.1 | 322.9 | 323.1 | 324.8 | 321.5 | 320.0 |
| 20.5° | 319.0 | 323.5 | 322.6 | 323.4 | 320.3 | 318.4 |
| 21° | 319.3 | 322.5 | 321.4 | 321.5 | 319.3 | 317.2 |
| 21.5° | 317.7 | 320.7 | 319.8 | 320.1 | 318.3 | 316.4 |
| 22° | 315.9 | 319.2 | 318.9 | 319.8 | 316.8 | 315.6 |



TEST NUMBER: A1914661B001
 CATALOG NUMBER: HLBSL6099FS351EMWR

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 22.5° | 315.1 | 318.3 | 317.6 | 318.4 | 316.0 | 314.1 |
| 23° | 313.9 | 317.0 | 316.4 | 316.9 | 314.8 | 312.8 |
| 23.5° | 312.7 | 315.3 | 315.1 | 315.8 | 313.3 | 310.8 |
| 24° | 311.4 | 314.2 | 313.7 | 314.9 | 311.8 | 310.0 |
| 24.5° | 310.3 | 313.0 | 312.8 | 314.1 | 311.4 | 308.6 |
| 25° | 308.8 | 311.6 | 311.2 | 313.2 | 310.2 | 307.4 |
| 25.5° | 307.2 | 309.4 | 309.2 | 310.6 | 309.0 | 306.3 |
| 26° | 306.3 | 307.6 | 308.4 | 309.3 | 306.5 | 304.3 |
| 26.5° | 304.5 | 306.9 | 307.3 | 308.2 | 305.0 | 303.2 |
| 27° | 303.2 | 305.7 | 305.7 | 306.0 | 303.4 | 301.7 |
| 27.5° | 301.7 | 304.8 | 304.2 | 304.6 | 302.1 | 300.1 |
| 28° | 300.4 | 304.0 | 302.9 | 303.4 | 300.8 | 298.5 |
| 28.5° | 298.9 | 301.5 | 301.0 | 302.4 | 299.7 | 296.7 |
| 29° | 296.6 | 299.1 | 299.2 | 300.3 | 297.9 | 295.4 |
| 29.5° | 295.6 | 299.1 | 297.6 | 298.1 | 296.2 | 294.0 |
| 30° | 294.0 | 297.2 | 296.2 | 297.6 | 294.2 | 292.4 |
| 30.5° | 292.0 | 295.1 | 294.6 | 294.8 | 293.2 | 290.7 |
| 31° | 290.9 | 293.6 | 292.9 | 293.6 | 291.7 | 289.1 |
| 31.5° | 289.1 | 292.0 | 291.7 | 292.4 | 290.0 | 287.4 |
| 32° | 287.1 | 288.6 | 290.1 | 290.3 | 288.0 | 285.1 |
| 32.5° | 285.5 | 286.6 | 288.0 | 288.4 | 285.9 | 283.3 |
| 33° | 283.9 | 285.7 | 286.2 | 286.7 | 283.7 | 281.5 |
| 33.5° | 282.4 | 284.4 | 284.5 | 284.4 | 282.2 | 279.6 |
| 34° | 280.4 | 282.5 | 282.8 | 282.7 | 280.4 | 278.0 |
| 34.5° | 278.3 | 281.0 | 280.3 | 281.4 | 278.4 | 276.0 |
| 35° | 277.2 | 279.4 | 279.4 | 280.2 | 276.6 | 274.4 |
| 35.5° | 275.6 | 277.6 | 277.7 | 278.2 | 274.7 | 272.4 |
| 36° | 273.7 | 275.8 | 275.9 | 275.9 | 272.7 | 270.4 |
| 36.5° | 271.7 | 273.9 | 274.0 | 273.9 | 270.7 | 268.3 |
| 37° | 270.0 | 272.3 | 271.8 | 272.0 | 268.7 | 266.3 |
| 37.5° | 268.0 | 270.1 | 270.0 | 270.1 | 267.1 | 264.3 |
| 38° | 266.0 | 268.2 | 267.9 | 267.5 | 265.3 | 262.3 |
| 38.5° | 264.0 | 266.3 | 266.0 | 265.9 | 262.9 | 260.2 |
| 39° | 262.0 | 263.8 | 264.2 | 263.5 | 260.1 | 258.2 |
| 39.5° | 259.9 | 262.3 | 262.4 | 261.3 | 258.6 | 256.3 |
| 40° | 257.7 | 260.1 | 259.8 | 259.4 | 256.7 | 253.9 |
| 40.5° | 255.7 | 258.1 | 257.7 | 257.6 | 254.5 | 251.6 |
| 41° | 253.7 | 255.7 | 255.6 | 255.4 | 252.8 | 249.7 |
| 41.5° | 251.8 | 253.7 | 253.4 | 253.4 | 250.0 | 247.8 |
| 42° | 249.7 | 251.6 | 251.6 | 251.0 | 247.7 | 245.5 |
| 42.5° | 247.4 | 249.7 | 249.4 | 248.7 | 245.8 | 243.0 |
| 43° | 245.4 | 247.7 | 247.1 | 246.5 | 244.2 | 241.0 |
| 43.5° | 243.0 | 245.2 | 245.1 | 244.4 | 241.7 | 239.0 |
| 44° | 240.7 | 243.1 | 243.0 | 242.1 | 239.6 | 236.8 |
| 44.5° | 238.3 | 240.9 | 240.8 | 239.9 | 237.6 | 234.3 |



TEST NUMBER: A1914661B001
 CATALOG NUMBER: HLBSL6099FS351EMWR

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 45° | 236.2 | 238.2 | 238.6 | 237.5 | 234.9 | 232.0 |
| 45.5° | 234.0 | 236.0 | 236.4 | 235.3 | 232.3 | 229.8 |
| 46° | 231.7 | 233.9 | 233.9 | 232.9 | 230.2 | 227.5 |
| 46.5° | 229.6 | 231.8 | 231.6 | 230.6 | 227.9 | 225.1 |
| 47° | 227.6 | 229.1 | 229.3 | 228.2 | 225.3 | 222.8 |
| 47.5° | 225.0 | 226.9 | 227.0 | 226.0 | 223.4 | 220.5 |
| 48° | 222.8 | 224.8 | 224.5 | 224.0 | 221.2 | 218.1 |
| 48.5° | 220.6 | 222.2 | 222.2 | 221.6 | 218.8 | 215.8 |
| 49° | 218.1 | 220.1 | 219.8 | 219.2 | 216.3 | 213.1 |
| 49.5° | 215.8 | 218.2 | 217.5 | 216.7 | 213.6 | 210.8 |
| 50° | 213.6 | 215.7 | 215.0 | 214.4 | 211.4 | 208.2 |
| 50.5° | 211.2 | 212.7 | 212.5 | 211.8 | 209.1 | 205.8 |
| 51° | 208.6 | 210.5 | 210.3 | 209.4 | 206.7 | 203.0 |
| 51.5° | 206.1 | 207.7 | 207.9 | 207.0 | 204.3 | 200.4 |
| 52° | 203.4 | 205.3 | 205.4 | 204.5 | 201.6 | 198.0 |
| 52.5° | 201.0 | 203.1 | 202.8 | 201.6 | 198.8 | 195.5 |
| 53° | 198.4 | 200.6 | 200.0 | 198.9 | 196.4 | 192.8 |
| 53.5° | 195.8 | 198.1 | 197.6 | 196.3 | 194.0 | 189.9 |
| 54° | 193.3 | 195.1 | 194.7 | 193.6 | 190.9 | 187.5 |
| 54.5° | 190.8 | 192.7 | 192.2 | 191.3 | 188.4 | 184.8 |
| 55° | 188.3 | 190.1 | 189.6 | 188.6 | 186.0 | 182.0 |
| 55.5° | 185.7 | 187.5 | 186.9 | 185.9 | 183.1 | 179.6 |
| 56° | 183.1 | 184.6 | 184.4 | 183.3 | 180.3 | 177.0 |
| 56.5° | 180.4 | 181.8 | 181.8 | 180.8 | 178.0 | 174.5 |
| 57° | 177.6 | 179.0 | 179.3 | 178.2 | 174.6 | 171.8 |
| 57.5° | 174.7 | 176.1 | 176.9 | 175.3 | 172.2 | 168.9 |
| 58° | 172.2 | 173.7 | 174.2 | 172.8 | 169.4 | 166.4 |
| 58.5° | 169.6 | 171.1 | 171.0 | 170.1 | 166.8 | 163.5 |
| 59° | 166.9 | 168.5 | 168.0 | 167.3 | 163.9 | 160.7 |
| 59.5° | 164.2 | 165.6 | 165.2 | 164.3 | 161.4 | 157.9 |
| 60° | 161.5 | 162.7 | 162.4 | 161.6 | 158.6 | 155.1 |
| 60.5° | 158.8 | 160.0 | 159.6 | 158.9 | 155.5 | 152.3 |
| 61° | 156.1 | 157.1 | 157.3 | 156.2 | 152.8 | 149.4 |
| 61.5° | 153.4 | 154.8 | 154.5 | 153.5 | 150.0 | 146.5 |
| 62° | 150.9 | 151.7 | 151.7 | 150.6 | 147.2 | 143.8 |
| 62.5° | 148.0 | 148.8 | 148.6 | 147.6 | 144.3 | 140.7 |
| 63° | 145.2 | 146.2 | 145.9 | 144.7 | 141.2 | 137.9 |
| 63.5° | 142.3 | 143.3 | 143.0 | 141.8 | 138.5 | 135.1 |
| 64° | 139.3 | 140.4 | 140.2 | 138.8 | 135.6 | 132.3 |
| 64.5° | 136.3 | 137.6 | 137.1 | 136.1 | 132.8 | 129.3 |
| 65° | 133.2 | 134.7 | 134.4 | 133.3 | 130.0 | 126.7 |
| 65.5° | 130.4 | 131.6 | 131.5 | 130.3 | 127.2 | 123.5 |
| 66° | 127.6 | 128.8 | 128.6 | 127.5 | 123.8 | 120.3 |
| 66.5° | 124.8 | 125.9 | 125.7 | 124.2 | 121.1 | 117.5 |
| 67° | 122.0 | 122.8 | 122.6 | 121.5 | 118.3 | 114.5 |



TEST NUMBER: A1914661B001
 CATALOG NUMBER: HLBSL6099FS351EMWR

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 67.5° | 119.1 | 120.0 | 119.6 | 118.5 | 115.4 | 111.6 |
| 68° | 116.1 | 117.0 | 116.8 | 115.4 | 112.4 | 108.6 |
| 68.5° | 113.2 | 113.9 | 113.6 | 112.7 | 109.5 | 105.6 |
| 69° | 110.4 | 110.8 | 110.9 | 109.7 | 106.4 | 102.4 |
| 69.5° | 107.2 | 107.8 | 107.8 | 106.7 | 103.5 | 99.4 |
| 70° | 104.3 | 105.1 | 104.9 | 103.7 | 100.2 | 96.5 |
| 70.5° | 101.2 | 101.8 | 101.8 | 100.6 | 97.1 | 93.3 |
| 71° | 98.2 | 98.8 | 98.9 | 97.4 | 94.0 | 90.2 |
| 71.5° | 95.2 | 96.0 | 95.8 | 94.4 | 91.0 | 87.6 |
| 72° | 92.2 | 93.2 | 92.8 | 91.2 | 88.2 | 84.5 |
| 72.5° | 89.2 | 90.0 | 89.7 | 88.3 | 85.0 | 81.4 |
| 73° | 86.3 | 86.8 | 86.8 | 85.2 | 82.1 | 78.3 |
| 73.5° | 83.3 | 83.9 | 83.7 | 82.2 | 79.0 | 75.4 |
| 74° | 80.2 | 80.8 | 80.6 | 79.2 | 76.1 | 72.3 |
| 74.5° | 77.3 | 77.7 | 77.5 | 76.4 | 72.9 | 69.2 |
| 75° | 74.3 | 74.6 | 74.5 | 73.3 | 69.7 | 66.2 |
| 75.5° | 71.3 | 71.7 | 71.2 | 70.2 | 66.7 | 63.1 |
| 76° | 68.2 | 68.7 | 68.3 | 67.0 | 63.7 | 60.2 |
| 76.5° | 65.2 | 65.7 | 65.4 | 63.8 | 60.6 | 57.2 |
| 77° | 62.3 | 62.5 | 62.3 | 60.7 | 57.5 | 54.1 |
| 77.5° | 59.4 | 59.6 | 59.4 | 57.7 | 54.9 | 51.2 |
| 78° | 56.4 | 56.4 | 56.4 | 55.0 | 51.9 | 48.3 |
| 78.5° | 53.6 | 53.5 | 53.5 | 52.0 | 48.8 | 45.4 |
| 79° | 50.7 | 50.8 | 50.6 | 48.9 | 45.9 | 42.5 |
| 79.5° | 47.8 | 47.7 | 47.5 | 45.9 | 43.0 | 39.6 |
| 80° | 45.1 | 44.9 | 44.8 | 43.0 | 40.1 | 36.8 |
| 80.5° | 42.2 | 42.2 | 41.8 | 40.2 | 37.6 | 34.0 |
| 81° | 39.5 | 39.1 | 39.0 | 37.4 | 34.6 | 31.4 |
| 81.5° | 36.7 | 36.3 | 36.2 | 34.7 | 31.8 | 28.6 |
| 82° | 34.0 | 33.8 | 33.4 | 32.0 | 29.2 | 26.0 |
| 82.5° | 31.4 | 30.9 | 30.7 | 29.2 | 26.6 | 23.6 |
| 83° | 28.8 | 28.3 | 28.1 | 26.7 | 24.1 | 21.2 |
| 83.5° | 26.2 | 25.8 | 25.5 | 24.1 | 21.8 | 18.9 |
| 84° | 23.8 | 23.2 | 23.0 | 21.9 | 19.5 | 16.6 |
| 84.5° | 21.4 | 21.0 | 20.8 | 19.4 | 17.2 | 14.4 |
| 85° | 19.2 | 18.6 | 18.4 | 17.2 | 15.0 | 12.4 |
| 85.5° | 16.8 | 16.4 | 16.2 | 15.0 | 12.8 | 10.4 |
| 86° | 14.7 | 14.2 | 14.0 | 12.8 | 10.8 | 8.7 |
| 86.5° | 12.6 | 12.1 | 11.9 | 10.9 | 9.1 | 7.0 |
| 87° | 10.6 | 10.2 | 9.9 | 9.0 | 7.3 | 5.4 |
| 87.5° | 8.8 | 8.5 | 8.3 | 7.2 | 5.7 | 4.0 |
| 88° | 7.0 | 6.7 | 6.6 | 5.8 | 4.5 | 2.9 |
| 88.5° | 5.5 | 5.2 | 5.1 | 4.4 | 3.1 | 1.9 |
| 89° | 4.0 | 3.8 | 3.8 | 3.1 | 2.1 | 1.2 |
| 89.5° | 2.7 | 2.7 | 2.7 | 2.1 | 1.4 | 0.9 |



TEST NUMBER: A1914661B001
 CATALOG NUMBER: HLBSL6099FS351EMWR

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 90° | 1.7 | 1.8 | 1.7 | 1.4 | 1.1 | 0.3 |
| 90.5° | 0.7 | 1.1 | 1.1 | 1.0 | 0.4 | 0.0 |
| 91° | 0.0 | 0.6 | 0.7 | 0.4 | 0.0 | 0.0 |
| 91.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 93° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 93.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 94° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 94.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 96° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 96.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 98° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 98.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 99° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 99.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 101° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 101.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102° | 0.0 | 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: A1914661B001
 CATALOG NUMBER: HLBSL6099FS351EMWR

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 | 0.1 |
| 116° | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 116.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 117° | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| 117.5° | 0.0 | 0.1 | 0.0 | 0.1 | 0.2 | 0.1 |
| 118° | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 |
| 118.5° | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 |
| 119° | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 |
| 119.5° | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 |
| 120° | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 |
| 120.5° | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 |
| 121° | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 |
| 121.5° | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 |
| 122° | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 |
| 122.5° | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 |
| 123° | 0.0 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 |
| 123.5° | 0.0 | 0.2 | 0.2 | 0.1 | 0.1 | 0.2 |
| 124° | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 |
| 124.5° | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 |
| 125° | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 |
| 125.5° | 0.0 | 0.2 | 0.2 | 0.1 | 0.1 | 0.2 |
| 126° | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 |
| 126.5° | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 |
| 127° | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 |
| 127.5° | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 |
| 128° | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 |
| 128.5° | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 |
| 129° | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 |
| 129.5° | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 |
| 130° | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 |
| 130.5° | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 |
| 131° | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 |
| 131.5° | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 |
| 132° | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 |
| 132.5° | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 |
| 133° | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 |
| 133.5° | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 |
| 134° | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 |
| 134.5° | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 |



TEST NUMBER: A1914661B001
 CATALOG NUMBER: HLBSL6099FS351EMWR

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 135° | 0.0 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 135.5° | 0.0 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 136° | 0.0 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 136.5° | 0.0 | 0.3 | 0.2 | 0.2 | 0.1 | 0.2 |
| 137° | 0.0 | 0.3 | 0.2 | 0.2 | 0.1 | 0.2 |
| 137.5° | 0.0 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 138° | 0.0 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 138.5° | 0.0 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 139° | 0.0 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 139.5° | 0.0 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 140° | 0.0 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 140.5° | 0.0 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 141° | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 141.5° | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 142° | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 142.5° | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 143° | 0.0 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 143.5° | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 144° | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 144.5° | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 145° | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 145.5° | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 146° | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 146.5° | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 147° | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 147.5° | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 148° | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 148.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 149° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 149.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 150° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 150.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 151° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 151.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 152° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 152.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 153° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 153.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 154° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 154.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 155° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 155.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 156° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 156.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 157° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |



TEST NUMBER: A1914661B001
 CATALOG NUMBER: HLBSL6099FS351EMWR

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 157.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 158° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 158.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 159° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 159.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 160° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 160.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 161° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 161.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 162° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 162.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 163° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 163.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 164° | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 164.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 165° | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 165.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 |
| 166° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 |
| 166.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 |
| 167° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| 167.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| 168° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| 168.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| 169° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| 169.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| 170° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| 170.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| 171° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| 171.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| 172° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| 172.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| 173° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| 173.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| 174° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| 174.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| 175° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| 175.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| 176° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| 176.5° | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 | 0.3 |
| 177° | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 | 0.3 |
| 177.5° | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 |
| 178° | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 | 0.3 |
| 178.5° | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 | 0.3 |
| 179° | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 |
| 179.5° | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 |



TEST NUMBER: A1914661B001
CATALOG NUMBER: HLBSL6099FS351EMWR

CANDELA DISTRIBUTION (continued):

| | | | | | | |
|------|--------|------|--------|------|--------|------|
| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
| 180° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |

(END OF REPORT)