

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: P710792

Luminaire Tested: RSQ4LS9FSD2W1EWH-900lm-3000K

Issue Date: 10/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P710792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2308194A001)
Test Lab:
Issue Date: 10/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: RSQ4LS9FSD2W1EWH-900lm-3000K
Description: 4IN SQUARE SELECTABLE LUMENS, ZERO TILT, DIMMABLE TO 5%
Light Source: SELECTABLE LUMEN/CCT LEDs 90CRI / 3000K CCT
Ballast/Driver: -

Summary

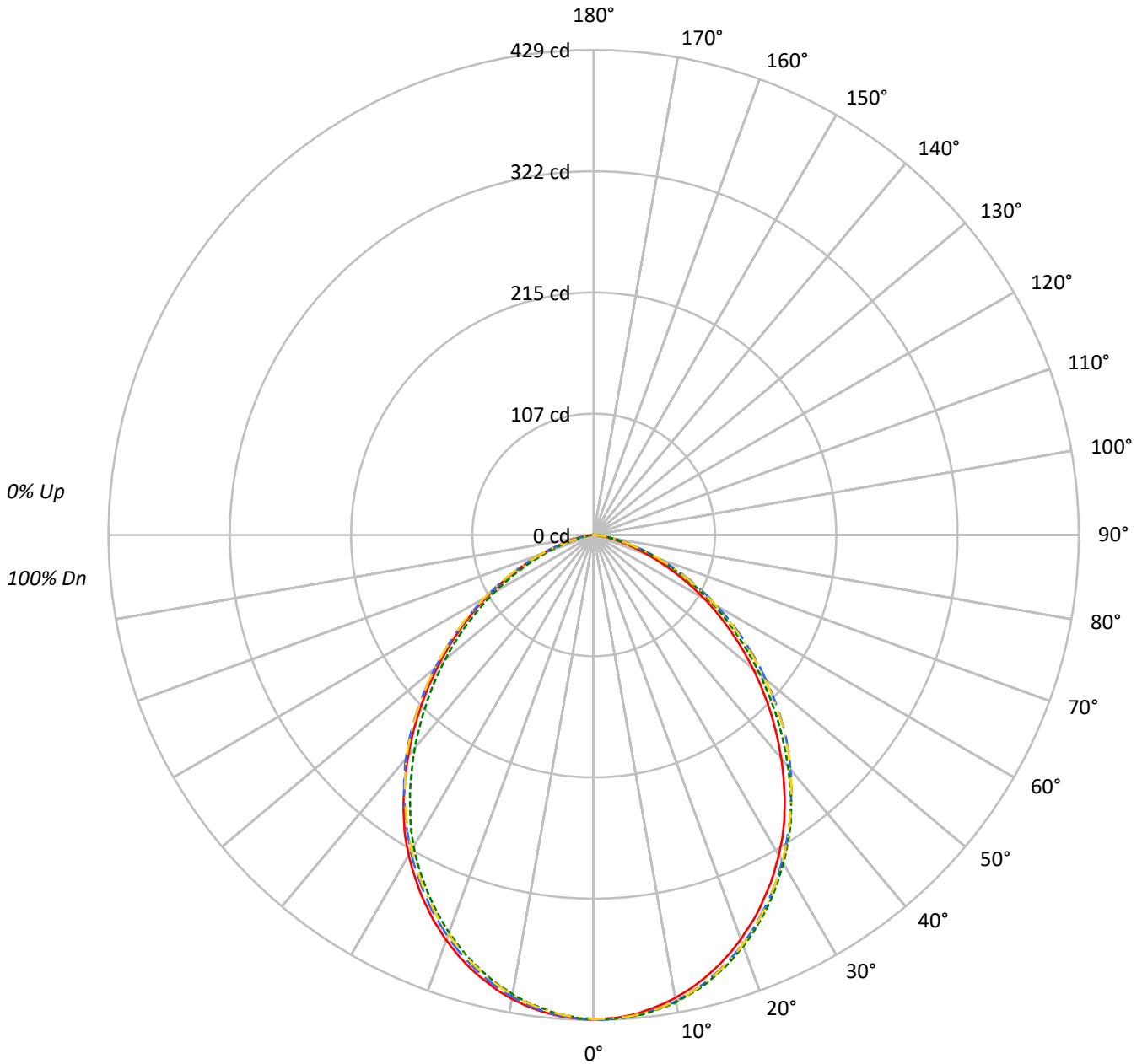
Lumens per Lamp: N/A
Luminaire Lumens: 927.3 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P710792
CATALOG NUMBER: RSQ4LS9FSD2W1EWH-900lm-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P710792

CATALOG NUMBER: RSQ4LS9FSD2W1EWH-900lm-3000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 110 | 106 | 103 | 99 | 108 | 104 | 101 | 98 | 100 | 97 | 95 | 96 | 94 | 92 | 92 | 91 | 89 | 87 |
| 2 | 101 | 94 | 88 | 83 | 99 | 92 | 87 | 82 | 89 | 84 | 80 | 86 | 82 | 78 | 83 | 79 | 77 | 75 |
| 3 | 93 | 84 | 77 | 71 | 91 | 82 | 76 | 70 | 79 | 74 | 69 | 77 | 72 | 68 | 74 | 70 | 66 | 64 |
| 4 | 86 | 75 | 67 | 61 | 84 | 74 | 66 | 61 | 71 | 65 | 60 | 69 | 63 | 59 | 67 | 62 | 58 | 56 |
| 5 | 80 | 68 | 59 | 53 | 78 | 67 | 59 | 53 | 65 | 58 | 52 | 63 | 57 | 52 | 61 | 56 | 51 | 49 |
| 6 | 74 | 61 | 53 | 47 | 72 | 60 | 53 | 47 | 59 | 52 | 46 | 57 | 51 | 46 | 55 | 50 | 46 | 44 |
| 7 | 69 | 56 | 48 | 42 | 67 | 55 | 47 | 42 | 54 | 47 | 42 | 52 | 46 | 41 | 51 | 45 | 41 | 39 |
| 8 | 64 | 51 | 43 | 38 | 63 | 51 | 43 | 38 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 35 |
| 9 | 60 | 47 | 39 | 34 | 59 | 47 | 39 | 34 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 32 |
| 10 | 56 | 44 | 36 | 31 | 55 | 43 | 36 | 31 | 42 | 36 | 31 | 41 | 35 | 31 | 40 | 35 | 31 | 29 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 42344 | 42344 | 42344 | 42344 |
| 5° | 42198 | 42357 | 42228 | 42039 |
| 10° | 41723 | 42134 | 41813 | 41401 |
| 15° | 40993 | 41535 | 41095 | 40492 |
| 20° | 40023 | 40717 | 40107 | 39350 |
| 25° | 38782 | 39633 | 38858 | 37953 |
| 30° | 37344 | 38292 | 37322 | 36329 |
| 35° | 35523 | 36706 | 35367 | 34172 |
| 40° | 33264 | 34490 | 32928 | 31741 |
| 45° | 30864 | 32066 | 30291 | 29117 |
| 50° | 28263 | 29524 | 27540 | 26341 |
| 55° | 25470 | 26814 | 24608 | 23367 |
| 60° | 22338 | 23900 | 21469 | 20006 |
| 65° | 18734 | 20698 | 17939 | 16161 |
| 70° | 14565 | 16993 | 13987 | 11993 |
| 75° | 10197 | 13099 | 10082 | 7829 |
| 80° | 6489 | 9506 | 6774 | 4383 |
| 85° | 4310 | 6918 | 4536 | 2155 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 33017 cd/sqm



TEST NUMBER: P710792

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 40.3 | 4.3 |
| 10°-20° | 112.9 | 12.2 |
| 20°-30° | 163.8 | 17.7 |
| 30°-40° | 184.3 | 19.9 |
| 40°-50° | 171.9 | 18.5 |
| 50°-60° | 134.0 | 14.5 |
| 60°-70° | 81.8 | 8.8 |
| 70°-80° | 31.3 | 3.4 |
| 80°-90° | 5.3 | 0.6 |
| 90°-100° | 0.2 | 0.0 |
| 100°-110° | 0.4 | 0.0 |
| 110°-120° | 0.4 | 0.0 |
| 120°-130° | 0.2 | 0.0 |
| 130°-140° | 0.2 | 0.0 |
| 140°-150° | 0.2 | 0.0 |
| 150°-160° | 0.1 | 0.0 |
| 160°-170° | 0.1 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 317.0 | 34.2 |
| 0°-40° | 501.3 | 54.1 |
| 0°-60° | 807.2 | 87.0 |
| 0°-90° | 925.5 | 99.8 |
| 90°-120° | 1.0 | 0.1 |
| 90°-150° | 1.6 | 0.2 |
| 90°-180° | 2.0 | 0.2 |
| 0°-180° | 927.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0° | 428 | 428 | 428 | 428 | 428 | |
| 5° | 425 | 427 | 426 | 424 | 425 | 40 |
| 15° | 401 | 406 | 402 | 396 | 401 | 113 |
| 25° | 356 | 363 | 356 | 348 | 356 | 164 |
| 35° | 294 | 304 | 293 | 283 | 294 | 184 |
| 45° | 221 | 229 | 217 | 208 | 221 | 170 |
| 55° | 148 | 156 | 143 | 136 | 148 | 132 |
| 65° | 80 | 88 | 77 | 69 | 80 | 80 |
| 75° | 27 | 34 | 26 | 20 | 27 | 30 |
| 85° | 4 | 6 | 4 | 2 | 4 | 4 |
| 90° | 0 | 1 | 0 | 0 | 0 | 0 |
| 95° | 0 | 0 | 0 | 0 | 0 | 0 |
| 105° | 0 | 0 | 0 | 0 | 0 | 0 |
| 115° | 0 | 1 | 0 | 0 | 0 | 0 |
| 125° | 0 | 1 | 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: P710792

CATALOG NUMBER: RSQ4LS9FSD2W1EWH-900lm-3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 0° | 428.4 | 428.4 | 428.4 | 428.4 | 428.4 | 428.4 | 428.4 | 428.4 | 428.4 | 428.4 | 428.4 |
| 0.5° | 428.4 | 428.7 | 429.1 | 428.9 | 428.1 | 428.1 | 428.2 | 428.2 | 428.6 | 428.6 | 428.7 |
| 1° | 428.0 | 428.7 | 429.0 | 429.1 | 428.3 | 428.1 | 428.2 | 428.2 | 428.5 | 428.5 | 428.5 |
| 1.5° | 427.9 | 428.7 | 428.8 | 429.2 | 428.5 | 428.3 | 428.1 | 428.2 | 428.3 | 428.3 | 428.3 |
| 2° | 427.8 | 428.6 | 428.6 | 429.0 | 428.7 | 428.3 | 428.0 | 428.2 | 428.0 | 427.9 | 428.1 |
| 2.5° | 427.6 | 428.3 | 428.4 | 428.7 | 428.5 | 428.3 | 427.8 | 428.0 | 427.7 | 427.6 | 427.8 |
| 3° | 427.3 | 427.8 | 428.2 | 428.6 | 428.2 | 428.2 | 427.6 | 427.8 | 427.4 | 427.3 | 427.4 |
| 3.5° | 427.0 | 427.3 | 428.0 | 428.4 | 427.9 | 427.8 | 427.4 | 427.4 | 427.1 | 427.0 | 426.8 |
| 4° | 426.4 | 426.9 | 427.7 | 428.2 | 427.8 | 427.4 | 427.2 | 426.9 | 426.8 | 426.6 | 426.1 |
| 4.5° | 425.9 | 426.4 | 427.3 | 428.0 | 427.3 | 427.0 | 427.0 | 426.4 | 426.3 | 426.0 | 425.5 |
| 5° | 425.3 | 426.0 | 426.8 | 427.6 | 426.9 | 426.6 | 426.4 | 425.8 | 425.6 | 425.3 | 424.9 |
| 5.5° | 424.6 | 425.5 | 426.3 | 427.2 | 426.6 | 426.1 | 425.9 | 425.2 | 425.0 | 424.4 | 424.3 |
| 6° | 423.7 | 424.9 | 425.7 | 426.6 | 426.2 | 425.7 | 425.3 | 424.7 | 424.3 | 423.6 | 423.5 |
| 6.5° | 422.9 | 424.1 | 424.9 | 426.0 | 425.6 | 425.1 | 424.7 | 424.2 | 423.6 | 422.8 | 422.5 |
| 7° | 422.0 | 423.3 | 424.1 | 425.3 | 424.8 | 424.6 | 424.0 | 423.6 | 422.8 | 422.0 | 421.5 |
| 7.5° | 421.2 | 422.4 | 423.4 | 424.6 | 423.8 | 423.9 | 423.2 | 422.7 | 421.9 | 421.2 | 420.6 |
| 8° | 420.2 | 421.6 | 422.6 | 423.9 | 423.0 | 423.0 | 422.5 | 421.7 | 421.1 | 420.4 | 419.6 |
| 8.5° | 419.3 | 420.6 | 421.7 | 423.1 | 422.2 | 422.0 | 421.6 | 420.6 | 420.0 | 419.2 | 418.6 |
| 9° | 418.2 | 419.5 | 420.8 | 422.2 | 421.5 | 421.1 | 420.6 | 419.6 | 418.9 | 418.0 | 417.4 |
| 9.5° | 417.0 | 418.4 | 419.9 | 421.3 | 420.8 | 420.3 | 419.5 | 418.5 | 417.8 | 416.8 | 416.1 |
| 10° | 415.7 | 417.1 | 418.9 | 420.3 | 419.8 | 419.4 | 418.4 | 417.5 | 416.6 | 415.6 | 414.7 |
| 10.5° | 414.4 | 416.0 | 417.5 | 419.3 | 418.4 | 418.4 | 417.3 | 416.4 | 415.4 | 414.4 | 413.5 |
| 11° | 413.2 | 414.9 | 416.1 | 418.3 | 417.1 | 417.2 | 416.2 | 415.2 | 414.2 | 413.0 | 412.2 |
| 11.5° | 411.9 | 413.6 | 414.9 | 417.2 | 415.9 | 415.9 | 415.0 | 414.0 | 412.8 | 411.6 | 410.8 |
| 12° | 410.5 | 412.4 | 413.6 | 415.8 | 414.7 | 414.6 | 413.9 | 412.6 | 411.4 | 410.1 | 409.2 |
| 12.5° | 409.1 | 411.0 | 412.3 | 414.3 | 413.5 | 413.3 | 412.5 | 411.1 | 409.8 | 408.5 | 407.6 |
| 13° | 407.5 | 409.5 | 410.9 | 412.8 | 412.3 | 412.0 | 411.0 | 409.7 | 408.1 | 406.9 | 406.0 |
| 13.5° | 405.8 | 407.9 | 409.5 | 411.4 | 410.9 | 410.6 | 409.4 | 408.1 | 406.6 | 405.3 | 404.3 |
| 14° | 404.2 | 406.3 | 407.8 | 410.1 | 409.3 | 409.1 | 407.8 | 406.6 | 405.0 | 403.6 | 402.6 |
| 14.5° | 402.4 | 404.5 | 406.1 | 408.7 | 407.6 | 407.5 | 406.3 | 404.9 | 403.4 | 401.9 | 400.9 |
| 15° | 400.6 | 402.8 | 404.4 | 407.2 | 405.9 | 405.8 | 404.7 | 403.3 | 401.6 | 400.1 | 399.1 |
| 15.5° | 398.8 | 401.0 | 402.8 | 405.6 | 404.3 | 404.2 | 403.2 | 401.7 | 399.9 | 398.3 | 397.1 |
| 16° | 397.0 | 399.3 | 401.1 | 403.9 | 402.6 | 402.6 | 401.5 | 399.9 | 398.0 | 396.4 | 395.1 |
| 16.5° | 395.1 | 397.5 | 399.2 | 402.1 | 400.9 | 400.8 | 399.6 | 398.0 | 396.1 | 394.4 | 393.1 |
| 17° | 393.2 | 395.7 | 397.2 | 400.2 | 399.1 | 398.9 | 397.5 | 395.9 | 394.1 | 392.4 | 390.9 |
| 17.5° | 391.2 | 393.7 | 395.3 | 398.3 | 397.2 | 396.9 | 395.6 | 393.8 | 392.1 | 390.3 | 388.9 |
| 18° | 389.2 | 391.7 | 393.4 | 396.3 | 395.3 | 395.0 | 393.7 | 391.8 | 390.0 | 388.2 | 386.9 |
| 18.5° | 387.1 | 389.6 | 391.4 | 394.3 | 393.3 | 393.0 | 391.8 | 389.8 | 388.0 | 386.1 | 384.7 |
| 19° | 384.9 | 387.5 | 389.4 | 392.4 | 391.1 | 391.1 | 389.8 | 388.0 | 385.8 | 383.9 | 382.5 |
| 19.5° | 382.7 | 385.4 | 387.3 | 390.4 | 389.0 | 389.2 | 387.8 | 385.9 | 383.5 | 381.7 | 380.2 |
| 20° | 380.5 | 383.1 | 385.2 | 388.3 | 387.1 | 387.0 | 385.5 | 383.6 | 381.3 | 379.4 | 377.8 |
| 20.5° | 378.1 | 381.0 | 383.0 | 386.1 | 385.1 | 384.7 | 383.3 | 381.3 | 378.9 | 376.9 | 375.3 |
| 21° | 375.7 | 378.8 | 380.8 | 383.7 | 382.9 | 382.4 | 381.0 | 378.8 | 376.5 | 374.3 | 372.8 |



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CATALOG NUMBER: RSQ4LS9FSD2W1EWH-900lm-3000K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 22.5° | 368.7 | 371.6 | 373.6 | 377.2 | 375.8 | 375.5 | 373.9 | 371.8 | 369.4 | 367.0 | 365.7 |
| 23° | 366.4 | 369.2 | 371.1 | 374.9 | 373.3 | 373.2 | 371.6 | 369.4 | 366.7 | 364.5 | 363.2 |
| 23.5° | 363.9 | 366.7 | 368.6 | 372.5 | 370.9 | 370.8 | 369.1 | 366.7 | 364.0 | 361.9 | 360.5 |
| 24° | 361.2 | 364.1 | 366.2 | 369.8 | 368.4 | 368.3 | 366.6 | 364.0 | 361.4 | 359.2 | 357.7 |
| 24.5° | 358.3 | 361.5 | 363.7 | 367.2 | 365.9 | 365.7 | 364.1 | 361.3 | 358.8 | 356.4 | 354.9 |
| 25° | 355.6 | 358.9 | 361.1 | 364.6 | 363.4 | 363.1 | 361.4 | 358.8 | 356.3 | 353.7 | 352.1 |
| 25.5° | 352.9 | 356.4 | 358.5 | 362.1 | 360.9 | 360.5 | 358.9 | 356.3 | 353.5 | 350.9 | 349.3 |
| 26° | 350.3 | 353.7 | 355.9 | 359.3 | 358.3 | 357.7 | 356.3 | 353.6 | 350.6 | 348.1 | 346.6 |
| 26.5° | 347.7 | 350.9 | 353.2 | 356.9 | 355.6 | 355.0 | 353.4 | 350.9 | 347.7 | 345.3 | 343.8 |
| 27° | 345.0 | 348.1 | 350.4 | 354.1 | 352.8 | 352.3 | 350.5 | 347.9 | 344.8 | 342.5 | 341.0 |
| 27.5° | 342.2 | 345.2 | 347.6 | 351.4 | 350.0 | 349.7 | 347.6 | 345.0 | 342.0 | 339.7 | 338.1 |
| 28° | 339.2 | 342.4 | 344.9 | 348.4 | 347.1 | 347.1 | 344.8 | 342.0 | 339.0 | 336.8 | 335.2 |
| 28.5° | 336.2 | 339.6 | 342.0 | 345.7 | 344.1 | 344.3 | 342.2 | 339.2 | 336.1 | 333.7 | 332.4 |
| 29° | 333.1 | 336.8 | 339.2 | 342.9 | 341.2 | 341.4 | 339.7 | 336.3 | 333.0 | 330.6 | 329.4 |
| 29.5° | 330.2 | 334.0 | 336.3 | 340.1 | 338.4 | 338.4 | 336.9 | 333.4 | 330.1 | 327.5 | 326.4 |
| 30° | 327.2 | 331.0 | 333.4 | 337.1 | 335.5 | 335.4 | 333.8 | 330.3 | 327.0 | 324.5 | 323.3 |
| 30.5° | 324.2 | 328.0 | 330.5 | 334.4 | 332.6 | 332.5 | 330.8 | 327.2 | 323.9 | 321.4 | 320.2 |
| 31° | 321.2 | 324.9 | 327.6 | 331.5 | 329.4 | 329.5 | 327.6 | 324.2 | 320.8 | 318.3 | 316.9 |
| 31.5° | 318.1 | 321.9 | 324.6 | 328.4 | 326.3 | 326.5 | 324.5 | 321.2 | 317.6 | 315.1 | 313.8 |
| 32° | 315.0 | 318.7 | 321.5 | 325.3 | 323.3 | 323.4 | 321.6 | 318.1 | 314.5 | 312.0 | 310.7 |
| 32.5° | 311.7 | 315.8 | 318.4 | 322.1 | 320.4 | 320.3 | 318.7 | 314.9 | 311.1 | 308.9 | 307.7 |
| 33° | 308.3 | 312.8 | 315.4 | 318.9 | 317.3 | 317.0 | 315.6 | 311.6 | 307.5 | 305.6 | 304.4 |
| 33.5° | 305.0 | 309.6 | 312.3 | 315.9 | 314.1 | 313.9 | 312.5 | 308.3 | 303.9 | 302.4 | 301.2 |
| 34° | 301.4 | 306.5 | 309.3 | 312.7 | 310.9 | 310.7 | 309.3 | 305.1 | 300.3 | 299.2 | 298.0 |
| 34.5° | 297.9 | 303.1 | 306.2 | 309.6 | 307.7 | 307.6 | 306.0 | 301.9 | 296.7 | 295.7 | 294.9 |
| 35° | 294.4 | 299.7 | 303.2 | 306.6 | 304.2 | 304.5 | 302.8 | 298.5 | 293.1 | 292.1 | 291.6 |
| 35.5° | 290.9 | 296.3 | 299.9 | 303.4 | 300.7 | 301.4 | 299.6 | 295.2 | 289.5 | 288.4 | 288.4 |
| 36° | 287.3 | 292.8 | 296.6 | 300.2 | 297.0 | 298.2 | 296.5 | 291.6 | 285.7 | 284.8 | 285.1 |
| 36.5° | 283.7 | 289.4 | 293.5 | 297.0 | 293.4 | 295.0 | 293.5 | 288.0 | 281.9 | 281.2 | 281.7 |
| 37° | 280.0 | 285.8 | 290.3 | 293.5 | 289.6 | 291.4 | 290.1 | 284.1 | 277.9 | 277.5 | 278.4 |
| 37.5° | 276.4 | 282.3 | 287.2 | 290.0 | 285.9 | 287.8 | 286.9 | 280.5 | 274.1 | 273.8 | 275.2 |
| 38° | 272.6 | 278.7 | 283.9 | 286.5 | 282.3 | 284.1 | 283.6 | 276.7 | 270.5 | 270.1 | 271.8 |
| 38.5° | 269.0 | 275.2 | 280.6 | 282.9 | 278.6 | 280.5 | 280.2 | 273.0 | 266.8 | 266.3 | 268.5 |
| 39° | 265.3 | 271.6 | 277.3 | 279.4 | 274.9 | 276.8 | 276.8 | 269.4 | 263.0 | 262.5 | 265.2 |
| 39.5° | 261.6 | 268.0 | 274.1 | 275.7 | 271.1 | 273.2 | 273.5 | 265.7 | 259.1 | 258.9 | 261.9 |
| 40° | 257.8 | 264.2 | 270.7 | 272.1 | 267.3 | 269.6 | 270.2 | 262.0 | 255.2 | 255.1 | 258.3 |
| 40.5° | 254.2 | 260.6 | 267.5 | 268.4 | 263.5 | 265.9 | 266.9 | 258.2 | 251.3 | 251.3 | 254.7 |
| 41° | 250.6 | 256.9 | 264.2 | 264.7 | 259.6 | 262.1 | 263.6 | 254.3 | 247.5 | 247.4 | 251.2 |
| 41.5° | 246.8 | 253.5 | 261.0 | 261.0 | 255.8 | 258.4 | 260.3 | 250.6 | 243.7 | 243.8 | 247.6 |
| 42° | 243.2 | 249.7 | 257.6 | 257.2 | 252.1 | 254.7 | 256.9 | 246.8 | 239.8 | 240.0 | 243.9 |
| 42.5° | 239.4 | 246.1 | 254.2 | 253.6 | 248.4 | 250.9 | 253.4 | 243.1 | 236.1 | 236.3 | 240.1 |
| 43° | 235.7 | 242.2 | 250.6 | 249.9 | 244.7 | 247.2 | 249.9 | 239.3 | 232.2 | 232.5 | 236.3 |
| 43.5° | 231.9 | 238.7 | 247.1 | 246.2 | 240.8 | 243.4 | 246.4 | 235.5 | 228.4 | 228.7 | 232.5 |



TEST NUMBER: P710792

CATALOG NUMBER: RSQ4LS9FSD2W1EWH-900lm-3000K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 45° | 220.8 | 227.7 | 236.2 | 235.0 | 229.4 | 232.4 | 235.5 | 224.3 | 216.7 | 217.3 | 221.0 |
| 45.5° | 217.1 | 224.2 | 232.6 | 231.3 | 225.6 | 228.6 | 231.6 | 220.5 | 213.0 | 213.6 | 217.1 |
| 46° | 213.4 | 220.6 | 228.8 | 227.6 | 221.8 | 224.8 | 227.8 | 216.8 | 209.3 | 209.8 | 213.3 |
| 46.5° | 209.6 | 216.9 | 224.9 | 223.9 | 218.1 | 221.1 | 224.0 | 213.0 | 205.6 | 206.1 | 209.4 |
| 47° | 205.9 | 212.9 | 221.1 | 220.1 | 214.4 | 217.4 | 220.1 | 209.3 | 201.6 | 202.3 | 205.6 |
| 47.5° | 202.3 | 209.5 | 217.4 | 216.5 | 210.6 | 213.7 | 216.2 | 205.5 | 197.8 | 198.6 | 201.7 |
| 48° | 198.6 | 205.9 | 213.6 | 212.8 | 206.8 | 210.0 | 212.4 | 201.8 | 193.9 | 194.8 | 198.1 |
| 48.5° | 195.0 | 202.4 | 209.9 | 209.1 | 202.9 | 206.3 | 208.6 | 198.1 | 190.2 | 191.2 | 194.3 |
| 49° | 191.3 | 198.8 | 206.3 | 205.4 | 199.2 | 202.7 | 204.8 | 194.4 | 186.4 | 187.5 | 190.5 |
| 49.5° | 187.6 | 195.3 | 202.6 | 201.8 | 195.7 | 199.0 | 201.0 | 190.8 | 182.8 | 183.8 | 186.8 |
| 50° | 183.8 | 191.7 | 198.7 | 198.2 | 192.0 | 195.4 | 197.2 | 187.2 | 179.1 | 180.2 | 182.9 |
| 50.5° | 180.1 | 188.1 | 194.9 | 194.5 | 188.3 | 191.7 | 193.4 | 183.5 | 175.4 | 176.5 | 179.1 |
| 51° | 176.5 | 184.5 | 191.3 | 190.9 | 184.5 | 188.0 | 189.5 | 179.8 | 171.7 | 172.8 | 175.3 |
| 51.5° | 172.9 | 180.9 | 187.6 | 187.2 | 180.9 | 184.4 | 185.8 | 176.2 | 168.0 | 169.2 | 171.6 |
| 52° | 169.4 | 177.3 | 183.9 | 183.6 | 177.3 | 180.9 | 182.1 | 172.7 | 164.4 | 165.8 | 168.0 |
| 52.5° | 165.8 | 173.7 | 180.2 | 180.0 | 173.6 | 177.2 | 178.3 | 169.0 | 160.7 | 162.1 | 164.3 |
| 53° | 162.2 | 170.2 | 176.4 | 176.5 | 169.9 | 173.7 | 174.6 | 165.4 | 157.0 | 158.6 | 160.6 |
| 53.5° | 158.5 | 166.7 | 172.7 | 172.9 | 166.2 | 170.1 | 170.9 | 161.8 | 153.5 | 154.9 | 157.0 |
| 54° | 154.9 | 163.1 | 169.0 | 169.3 | 162.6 | 166.6 | 167.3 | 158.5 | 149.8 | 151.4 | 153.3 |
| 54.5° | 151.3 | 159.6 | 165.5 | 165.7 | 159.0 | 163.0 | 163.5 | 154.7 | 146.2 | 147.8 | 149.7 |
| 55° | 147.8 | 156.1 | 161.9 | 162.2 | 155.6 | 159.4 | 159.9 | 151.3 | 142.8 | 144.3 | 146.1 |
| 55.5° | 144.2 | 152.6 | 158.3 | 158.6 | 151.9 | 155.9 | 156.3 | 147.7 | 139.3 | 140.8 | 142.4 |
| 56° | 140.8 | 149.2 | 154.7 | 155.1 | 148.4 | 152.5 | 152.6 | 144.5 | 135.8 | 137.4 | 139.0 |
| 56.5° | 137.2 | 145.7 | 151.1 | 151.7 | 145.0 | 149.0 | 149.0 | 140.8 | 132.2 | 133.9 | 135.4 |
| 57° | 133.7 | 142.1 | 147.5 | 148.2 | 141.6 | 145.5 | 145.5 | 137.5 | 128.7 | 130.5 | 131.9 |
| 57.5° | 130.2 | 138.8 | 143.8 | 144.7 | 138.0 | 142.0 | 141.9 | 134.1 | 125.2 | 127.0 | 128.3 |
| 58° | 126.8 | 135.4 | 140.4 | 141.3 | 134.5 | 138.7 | 138.4 | 130.8 | 121.9 | 123.5 | 124.9 |
| 58.5° | 123.3 | 132.0 | 136.9 | 137.9 | 131.1 | 135.2 | 134.9 | 127.2 | 118.6 | 120.0 | 121.4 |
| 59° | 119.9 | 128.6 | 133.4 | 134.4 | 127.7 | 131.8 | 131.4 | 123.8 | 115.2 | 116.7 | 118.0 |
| 59.5° | 116.4 | 125.2 | 129.9 | 130.9 | 124.2 | 128.5 | 127.8 | 120.4 | 111.9 | 113.2 | 114.6 |
| 60° | 113.0 | 121.8 | 126.4 | 127.6 | 120.9 | 125.2 | 124.4 | 117.2 | 108.6 | 109.8 | 111.2 |
| 60.5° | 109.5 | 118.4 | 122.9 | 124.2 | 117.5 | 121.7 | 121.0 | 113.9 | 105.3 | 106.4 | 107.8 |
| 61° | 106.3 | 115.1 | 119.6 | 120.9 | 114.3 | 118.4 | 117.6 | 110.6 | 101.9 | 103.0 | 104.4 |
| 61.5° | 103.0 | 111.7 | 116.2 | 117.5 | 111.0 | 115.0 | 114.3 | 107.4 | 98.7 | 99.8 | 101.0 |
| 62° | 99.7 | 108.3 | 112.9 | 114.0 | 107.7 | 111.7 | 111.0 | 104.1 | 95.6 | 96.5 | 97.8 |
| 62.5° | 96.3 | 104.9 | 109.5 | 110.8 | 104.4 | 108.4 | 107.7 | 100.8 | 92.4 | 93.2 | 94.4 |
| 63° | 93.0 | 101.6 | 106.1 | 107.4 | 101.2 | 105.0 | 104.3 | 97.5 | 89.0 | 89.9 | 91.2 |
| 63.5° | 89.8 | 98.2 | 102.8 | 104.1 | 98.0 | 101.7 | 101.0 | 94.2 | 85.9 | 86.6 | 87.9 |
| 64° | 86.5 | 94.9 | 99.5 | 100.6 | 94.8 | 98.4 | 97.7 | 91.0 | 82.8 | 83.4 | 84.6 |
| 64.5° | 83.3 | 91.5 | 96.2 | 97.4 | 91.6 | 95.2 | 94.4 | 87.8 | 79.7 | 80.3 | 81.4 |
| 65° | 80.1 | 88.3 | 93.0 | 94.2 | 88.5 | 92.0 | 91.2 | 84.6 | 76.7 | 77.1 | 78.2 |
| 65.5° | 77.0 | 85.0 | 89.7 | 91.0 | 85.3 | 88.7 | 88.0 | 81.4 | 73.7 | 74.0 | 75.1 |
| 66° | 73.8 | 81.8 | 86.5 | 87.7 | 82.2 | 85.5 | 84.9 | 78.3 | 70.7 | 70.9 | 72.0 |



TEST NUMBER: P710792

CATALOG NUMBER: RSQ4LS9FSD2W1EWH-900lm-3000K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|------|-------|------|-------|------|--------|------|--------|------|--------|------|
| 67.5° | 64.8 | 72.3 | 77.0 | 78.2 | 73.1 | 76.2 | 75.5 | 69.1 | 61.9 | 62.0 | 62.8 |
| 68° | 61.8 | 69.2 | 73.9 | 75.1 | 70.2 | 73.1 | 72.4 | 66.1 | 59.1 | 59.0 | 59.8 |
| 68.5° | 58.8 | 66.1 | 70.8 | 72.1 | 67.2 | 70.1 | 69.4 | 63.2 | 56.4 | 56.2 | 56.9 |
| 69° | 55.9 | 63.1 | 67.8 | 69.1 | 64.4 | 67.1 | 66.4 | 60.4 | 53.8 | 53.4 | 54.1 |
| 69.5° | 53.1 | 60.1 | 64.8 | 66.1 | 61.6 | 64.2 | 63.4 | 57.5 | 51.0 | 50.7 | 51.2 |
| 70° | 50.4 | 57.1 | 61.7 | 63.2 | 58.8 | 61.3 | 60.5 | 54.7 | 48.4 | 48.0 | 48.4 |
| 70.5° | 47.8 | 54.3 | 58.8 | 60.4 | 56.1 | 58.4 | 57.6 | 51.9 | 45.9 | 45.4 | 45.7 |
| 71° | 45.3 | 51.4 | 55.9 | 57.4 | 53.3 | 55.7 | 54.8 | 49.3 | 43.5 | 42.8 | 43.1 |
| 71.5° | 42.8 | 48.7 | 53.1 | 54.7 | 50.7 | 52.9 | 52.0 | 46.6 | 41.1 | 40.3 | 40.4 |
| 72° | 40.3 | 46.1 | 50.3 | 51.9 | 48.1 | 50.2 | 49.3 | 44.1 | 38.7 | 37.9 | 37.8 |
| 72.5° | 37.7 | 43.6 | 47.7 | 49.2 | 45.7 | 47.6 | 46.6 | 41.6 | 36.5 | 35.6 | 35.3 |
| 73° | 35.4 | 41.0 | 45.1 | 46.8 | 43.3 | 44.9 | 44.0 | 39.2 | 34.3 | 33.3 | 32.9 |
| 73.5° | 33.1 | 38.5 | 42.5 | 44.4 | 40.9 | 42.4 | 41.4 | 36.9 | 32.3 | 31.1 | 30.6 |
| 74° | 30.9 | 35.9 | 39.8 | 42.0 | 38.7 | 40.0 | 38.9 | 34.7 | 30.2 | 29.1 | 28.4 |
| 74.5° | 28.7 | 33.6 | 37.2 | 39.5 | 36.5 | 37.7 | 36.5 | 32.5 | 28.3 | 27.1 | 26.3 |
| 75° | 26.7 | 31.3 | 34.8 | 37.1 | 34.3 | 35.4 | 34.1 | 30.3 | 26.4 | 25.2 | 24.2 |
| 75.5° | 24.8 | 29.0 | 32.4 | 34.9 | 32.2 | 33.3 | 31.9 | 28.3 | 24.5 | 23.4 | 22.4 |
| 76° | 22.9 | 26.9 | 30.1 | 32.7 | 30.1 | 31.1 | 29.6 | 26.3 | 22.8 | 21.5 | 20.6 |
| 76.5° | 21.2 | 24.9 | 27.9 | 30.5 | 28.2 | 29.1 | 27.5 | 24.5 | 21.1 | 19.9 | 18.9 |
| 77° | 19.6 | 23.0 | 25.8 | 28.4 | 26.2 | 27.1 | 25.5 | 22.7 | 19.6 | 18.3 | 17.3 |
| 77.5° | 18.2 | 21.2 | 23.8 | 26.4 | 24.4 | 25.1 | 23.6 | 21.0 | 18.1 | 16.9 | 15.8 |
| 78° | 16.8 | 19.6 | 22.0 | 24.5 | 22.7 | 23.3 | 21.8 | 19.4 | 16.8 | 15.5 | 14.4 |
| 78.5° | 15.3 | 18.0 | 20.3 | 22.7 | 21.1 | 21.5 | 20.2 | 17.9 | 15.5 | 14.3 | 13.1 |
| 79° | 14.0 | 16.5 | 18.6 | 21.0 | 19.5 | 19.9 | 18.7 | 16.5 | 14.2 | 13.0 | 12.0 |
| 79.5° | 12.7 | 15.2 | 17.0 | 19.4 | 18.1 | 18.3 | 17.2 | 15.2 | 12.9 | 12.0 | 11.0 |
| 80° | 11.4 | 13.9 | 15.5 | 17.9 | 16.7 | 16.9 | 15.7 | 14.0 | 11.9 | 11.0 | 9.9 |
| 80.5° | 10.7 | 12.7 | 14.1 | 16.4 | 15.5 | 15.6 | 14.4 | 12.8 | 10.9 | 10.0 | 8.9 |
| 81° | 9.5 | 11.4 | 12.8 | 15.1 | 14.1 | 14.3 | 13.1 | 11.8 | 9.9 | 9.0 | 7.8 |
| 81.5° | 8.4 | 10.3 | 11.7 | 13.9 | 12.9 | 13.1 | 12.1 | 10.8 | 8.9 | 8.0 | 7.0 |
| 82° | 7.4 | 9.5 | 10.6 | 12.7 | 11.9 | 12.1 | 11.1 | 9.8 | 7.9 | 7.1 | 6.3 |
| 82.5° | 6.5 | 8.5 | 9.6 | 11.5 | 10.9 | 11.1 | 10.1 | 8.8 | 7.0 | 6.3 | 5.6 |
| 83° | 5.7 | 7.5 | 8.6 | 10.5 | 9.8 | 10.1 | 9.1 | 7.9 | 6.2 | 5.6 | 4.9 |
| 83.5° | 5.5 | 6.7 | 7.7 | 9.4 | 8.8 | 9.1 | 8.1 | 7.1 | 5.4 | 5.0 | 4.4 |
| 84° | 4.9 | 5.8 | 6.9 | 8.5 | 7.8 | 8.1 | 7.3 | 6.3 | 5.0 | 4.6 | 3.9 |
| 84.5° | 4.3 | 5.3 | 6.2 | 7.6 | 6.9 | 7.3 | 6.5 | 5.6 | 4.6 | 4.0 | 3.4 |
| 85° | 3.8 | 4.8 | 5.5 | 6.8 | 6.1 | 6.5 | 5.9 | 5.0 | 4.0 | 3.5 | 2.8 |
| 85.5° | 3.2 | 4.3 | 4.9 | 6.0 | 5.4 | 5.7 | 5.3 | 4.6 | 3.6 | 3.0 | 2.3 |
| 86° | 2.6 | 3.7 | 4.3 | 5.3 | 5.1 | 5.1 | 4.7 | 4.1 | 3.2 | 2.4 | 1.7 |
| 86.5° | 2.2 | 3.2 | 3.8 | 4.8 | 4.7 | 4.7 | 4.2 | 3.5 | 2.6 | 2.0 | 1.2 |
| 87° | 1.6 | 2.5 | 3.3 | 4.4 | 4.1 | 4.2 | 3.7 | 3.1 | 2.1 | 1.5 | 0.8 |
| 87.5° | 1.0 | 2.1 | 2.7 | 3.9 | 3.7 | 3.7 | 3.2 | 2.5 | 1.7 | 0.9 | 0.4 |
| 88° | 0.7 | 1.5 | 2.2 | 3.4 | 3.2 | 3.2 | 2.7 | 2.0 | 1.2 | 0.6 | 0.1 |
| 88.5° | 0.2 | 1.0 | 1.7 | 2.8 | 2.6 | 2.6 | 2.2 | 1.6 | 0.8 | 0.2 | 0.1 |



TEST NUMBER: P710792

CATALOG NUMBER: RSQ4LS9FSD2W1EWH-900lm-3000K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 90° | 0.0 | 0.1 | 0.3 | 1.2 | 1.1 | 1.2 | 0.8 | 0.2 | 0.0 | 0.1 | 0.1 |
| 90.5° | 0.1 | 0.1 | 0.2 | 0.8 | 0.8 | 0.8 | 0.4 | 0.1 | 0.1 | 0.1 | 0.1 |
| 91° | 0.1 | 0.1 | 0.2 | 0.4 | 0.4 | 0.4 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 |
| 91.5° | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 |
| 92° | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 |
| 92.5° | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | 0.2 |
| 93° | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | 0.2 |
| 93.5° | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | 0.2 |
| 94° | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | 0.2 |
| 94.5° | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.2 | 0.1 | 0.1 | 0.2 |
| 95° | 0.1 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.1 | 0.1 | 0.2 |
| 95.5° | 0.1 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.1 | 0.1 | 0.2 |
| 96° | 0.1 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.1 | 0.1 | 0.2 |
| 96.5° | 0.1 | 0.2 | 0.3 | 0.3 | 0.3 | 0.4 | 0.3 | 0.2 | 0.1 | 0.1 | 0.2 |
| 97° | 0.1 | 0.3 | 0.3 | 0.4 | 0.3 | 0.4 | 0.3 | 0.3 | 0.1 | 0.1 | 0.2 |
| 97.5° | 0.1 | 0.3 | 0.3 | 0.4 | 0.3 | 0.4 | 0.3 | 0.3 | 0.1 | 0.1 | 0.2 |
| 98° | 0.1 | 0.3 | 0.3 | 0.4 | 0.3 | 0.5 | 0.3 | 0.3 | 0.1 | 0.1 | 0.3 |
| 98.5° | 0.1 | 0.3 | 0.3 | 0.4 | 0.3 | 0.5 | 0.3 | 0.3 | 0.1 | 0.1 | 0.3 |
| 99° | 0.1 | 0.4 | 0.3 | 0.4 | 0.3 | 0.5 | 0.3 | 0.3 | 0.1 | 0.1 | 0.3 |
| 99.5° | 0.1 | 0.4 | 0.4 | 0.4 | 0.3 | 0.5 | 0.4 | 0.4 | 0.1 | 0.1 | 0.3 |
| 100° | 0.1 | 0.4 | 0.4 | 0.5 | 0.3 | 0.5 | 0.4 | 0.4 | 0.1 | 0.1 | 0.3 |
| 100.5° | 0.1 | 0.4 | 0.4 | 0.5 | 0.3 | 0.5 | 0.4 | 0.4 | 0.1 | 0.1 | 0.3 |
| 101° | 0.1 | 0.4 | 0.5 | 0.5 | 0.3 | 0.5 | 0.5 | 0.4 | 0.1 | 0.1 | 0.4 |
| 101.5° | 0.1 | 0.4 | 0.5 | 0.5 | 0.3 | 0.5 | 0.5 | 0.4 | 0.1 | 0.1 | 0.4 |
| 102° | 0.1 | 0.4 | 0.5 | 0.5 | 0.3 | 0.6 | 0.5 | 0.4 | 0.1 | 0.1 | 0.4 |
| 102.5° | 0.1 | 0.4 | 0.6 | 0.5 | 0.3 | 0.6 | 0.6 | 0.4 | 0.1 | 0.2 | 0.4 |
| 103° | 0.1 | 0.4 | 0.6 | 0.5 | 0.3 | 0.6 | 0.6 | 0.4 | 0.1 | 0.2 | 0.3 |
| 103.5° | 0.1 | 0.4 | 0.7 | 0.5 | 0.4 | 0.6 | 0.7 | 0.4 | 0.1 | 0.2 | 0.3 |
| 104° | 0.1 | 0.4 | 0.7 | 0.5 | 0.4 | 0.6 | 0.7 | 0.4 | 0.1 | 0.2 | 0.3 |
| 104.5° | 0.1 | 0.3 | 0.8 | 0.6 | 0.4 | 0.6 | 0.8 | 0.4 | 0.1 | 0.2 | 0.3 |
| 105° | 0.1 | 0.3 | 0.8 | 0.6 | 0.4 | 0.6 | 0.8 | 0.4 | 0.1 | 0.2 | 0.3 |
| 105.5° | 0.1 | 0.3 | 0.8 | 0.6 | 0.5 | 0.7 | 0.9 | 0.4 | 0.1 | 0.2 | 0.3 |
| 106° | 0.1 | 0.3 | 0.8 | 0.6 | 0.5 | 0.7 | 0.9 | 0.3 | 0.1 | 0.2 | 0.3 |
| 106.5° | 0.1 | 0.3 | 0.8 | 0.6 | 0.5 | 0.7 | 0.9 | 0.3 | 0.1 | 0.2 | 0.3 |
| 107° | 0.1 | 0.3 | 0.8 | 0.7 | 0.5 | 0.7 | 0.9 | 0.3 | 0.1 | 0.2 | 0.2 |
| 107.5° | 0.1 | 0.3 | 0.8 | 0.7 | 0.6 | 0.8 | 0.9 | 0.3 | 0.1 | 0.2 | 0.2 |
| 108° | 0.1 | 0.3 | 0.9 | 0.7 | 0.6 | 0.8 | 1.0 | 0.4 | 0.1 | 0.2 | 0.2 |
| 108.5° | 0.1 | 0.3 | 0.9 | 0.8 | 0.7 | 0.8 | 1.0 | 0.4 | 0.1 | 0.2 | 0.2 |
| 109° | 0.1 | 0.3 | 0.9 | 0.8 | 0.7 | 0.9 | 0.9 | 0.4 | 0.1 | 0.2 | 0.2 |
| 109.5° | 0.1 | 0.3 | 0.8 | 0.8 | 0.7 | 0.9 | 0.9 | 0.4 | 0.1 | 0.2 | 0.2 |
| 110° | 0.1 | 0.3 | 0.8 | 0.9 | 0.8 | 0.9 | 0.9 | 0.4 | 0.1 | 0.2 | 0.2 |
| 110.5° | 0.1 | 0.3 | 0.8 | 0.9 | 0.8 | 0.9 | 0.9 | 0.4 | 0.1 | 0.2 | 0.2 |
| 111° | 0.1 | 0.3 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 0.4 | 0.1 | 0.2 | 0.2 |



TEST NUMBER: P710792

CATALOG NUMBER: RSQ4LS9FSD2W1EWH-900lm-3000K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 112.5° | 0.1 | 0.3 | 0.8 | 0.9 | 0.9 | 1.0 | 0.8 | 0.4 | 0.1 | 0.2 | 0.1 |
| 113° | 0.1 | 0.3 | 0.7 | 0.9 | 0.9 | 1.0 | 0.8 | 0.4 | 0.1 | 0.2 | 0.1 |
| 113.5° | 0.1 | 0.3 | 0.7 | 0.9 | 0.9 | 1.0 | 0.8 | 0.4 | 0.1 | 0.2 | 0.1 |
| 114° | 0.1 | 0.3 | 0.7 | 0.9 | 1.0 | 0.9 | 0.7 | 0.4 | 0.1 | 0.2 | 0.1 |
| 114.5° | 0.1 | 0.3 | 0.6 | 0.9 | 1.0 | 0.9 | 0.7 | 0.4 | 0.1 | 0.2 | 0.1 |
| 115° | 0.1 | 0.3 | 0.6 | 0.9 | 1.0 | 0.9 | 0.7 | 0.4 | 0.1 | 0.2 | 0.1 |
| 115.5° | 0.1 | 0.3 | 0.6 | 0.9 | 1.0 | 0.9 | 0.6 | 0.4 | 0.1 | 0.1 | 0.1 |
| 116° | 0.1 | 0.3 | 0.5 | 0.9 | 1.0 | 0.9 | 0.6 | 0.4 | 0.1 | 0.1 | 0.1 |
| 116.5° | 0.1 | 0.3 | 0.5 | 0.9 | 0.9 | 0.9 | 0.6 | 0.4 | 0.1 | 0.1 | 0.1 |
| 117° | 0.1 | 0.3 | 0.4 | 0.9 | 0.9 | 0.8 | 0.5 | 0.4 | 0.1 | 0.1 | 0.1 |
| 117.5° | 0.1 | 0.3 | 0.4 | 0.8 | 0.9 | 0.8 | 0.5 | 0.4 | 0.1 | 0.1 | 0.1 |
| 118° | 0.1 | 0.3 | 0.3 | 0.8 | 0.9 | 0.8 | 0.4 | 0.3 | 0.1 | 0.1 | 0.1 |
| 118.5° | 0.1 | 0.3 | 0.3 | 0.8 | 0.9 | 0.8 | 0.4 | 0.3 | 0.1 | 0.1 | 0.1 |
| 119° | 0.1 | 0.2 | 0.3 | 0.8 | 0.9 | 0.8 | 0.4 | 0.3 | 0.1 | 0.1 | 0.1 |
| 119.5° | 0.1 | 0.2 | 0.3 | 0.8 | 0.9 | 0.8 | 0.4 | 0.3 | 0.1 | 0.1 | 0.1 |
| 120° | 0.1 | 0.2 | 0.3 | 0.8 | 0.8 | 0.7 | 0.4 | 0.3 | 0.1 | 0.1 | 0.1 |
| 120.5° | 0.1 | 0.2 | 0.3 | 0.8 | 0.8 | 0.7 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 |
| 121° | 0.1 | 0.2 | 0.3 | 0.7 | 0.8 | 0.7 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 |
| 121.5° | 0.1 | 0.2 | 0.3 | 0.7 | 0.8 | 0.7 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 |
| 122° | 0.1 | 0.2 | 0.3 | 0.7 | 0.8 | 0.7 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 |
| 122.5° | 0.1 | 0.2 | 0.3 | 0.7 | 0.8 | 0.6 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 |
| 123° | 0.2 | 0.2 | 0.3 | 0.7 | 0.7 | 0.6 | 0.3 | 0.2 | 0.1 | 0.1 | 0.2 |
| 123.5° | 0.2 | 0.2 | 0.3 | 0.6 | 0.7 | 0.6 | 0.3 | 0.2 | 0.1 | 0.1 | 0.2 |
| 124° | 0.2 | 0.2 | 0.3 | 0.6 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.2 |
| 124.5° | 0.2 | 0.2 | 0.3 | 0.5 | 0.7 | 0.4 | 0.3 | 0.2 | 0.1 | 0.1 | 0.2 |
| 125° | 0.2 | 0.2 | 0.3 | 0.4 | 0.7 | 0.4 | 0.3 | 0.2 | 0.2 | 0.1 | 0.2 |
| 125.5° | 0.2 | 0.2 | 0.3 | 0.4 | 0.6 | 0.3 | 0.3 | 0.2 | 0.2 | 0.1 | 0.2 |
| 126° | 0.2 | 0.2 | 0.3 | 0.4 | 0.6 | 0.3 | 0.3 | 0.2 | 0.2 | 0.1 | 0.2 |
| 126.5° | 0.2 | 0.2 | 0.3 | 0.4 | 0.5 | 0.3 | 0.3 | 0.2 | 0.2 | 0.1 | 0.2 |
| 127° | 0.2 | 0.2 | 0.3 | 0.3 | 0.5 | 0.3 | 0.3 | 0.2 | 0.2 | 0.1 | 0.2 |
| 127.5° | 0.2 | 0.2 | 0.3 | 0.3 | 0.4 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 128° | 0.2 | 0.2 | 0.3 | 0.3 | 0.4 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 128.5° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 129° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 129.5° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 130° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 130.5° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 131° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 131.5° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 132° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 132.5° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 133° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 133.5° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |



TEST NUMBER: P710792

CATALOG NUMBER: RSQ4LS9FSD2W1EWH-900lm-3000K

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 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 135.5° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 136° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 136.5° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 137° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 137.5° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 138° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 138.5° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 139° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 139.5° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 140° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 140.5° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 141° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.2 | 0.2 |
| 141.5° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 142° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 142.5° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 143° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 143.5° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 144° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 144.5° | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 145° | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 145.5° | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 146° | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 146.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 147° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 147.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 |
| 148° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 |
| 148.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 |
| 149° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 |
| 149.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 |
| 150° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 |
| 150.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 |
| 151° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 |
| 151.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 152° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 152.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 153° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 153.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 154° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 |
| 154.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 |
| 155° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 |
| 155.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 |
| 156° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 |



TEST NUMBER: P710792

CATALOG NUMBER: RSQ4LS9FSD2W1EWH-900lm-3000K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 157.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 |
| 158° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 |
| 158.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 |
| 159° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 |
| 159.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 |
| 160° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 |
| 160.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 |
| 161° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 |
| 161.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 |
| 162° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 |
| 162.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 |
| 163° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 |
| 163.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 |
| 164° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 164.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 165° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 165.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 166° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 166.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 167° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 167.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 168° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 168.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 169° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 169.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 170° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 170.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 171° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 |
| 171.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 |
| 172° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 172.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 173° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 173.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 174° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 174.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 175° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 175.5° | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 176° | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 176.5° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 177° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 177.5° | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 178° | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 178.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 |



TEST NUMBER: P710792

CATALOG NUMBER: RSQ4LS9FSD2W1EWH-900lm-3000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P710792

CATALOG NUMBER: RSQ4LS9FSD2W1EWH-900lm-3000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 0° | 428.4 | 428.4 | 428.4 | 428.4 | 428.4 | 428.4 |
| 0.5° | 428.4 | 427.9 | 427.9 | 428.0 | 428.0 | 428.4 |
| 1° | 428.2 | 427.9 | 427.7 | 427.7 | 427.7 | 428.0 |
| 1.5° | 427.9 | 427.7 | 427.4 | 427.3 | 427.5 | 427.9 |
| 2° | 427.5 | 427.3 | 427.0 | 426.9 | 427.3 | 427.8 |
| 2.5° | 427.0 | 426.6 | 426.4 | 426.6 | 427.1 | 427.6 |
| 3° | 426.4 | 425.9 | 425.8 | 426.1 | 426.7 | 427.3 |
| 3.5° | 426.0 | 425.4 | 425.2 | 425.6 | 426.3 | 427.0 |
| 4° | 425.3 | 425.0 | 424.6 | 425.1 | 425.8 | 426.4 |
| 4.5° | 424.6 | 424.4 | 424.0 | 424.4 | 425.1 | 425.9 |
| 5° | 423.8 | 423.7 | 423.2 | 423.7 | 424.3 | 425.3 |
| 5.5° | 422.8 | 422.5 | 422.5 | 422.9 | 423.5 | 424.6 |
| 6° | 421.8 | 421.4 | 421.6 | 422.0 | 422.8 | 423.7 |
| 6.5° | 420.7 | 420.5 | 420.6 | 421.2 | 422.0 | 422.9 |
| 7° | 419.8 | 419.7 | 419.6 | 420.3 | 421.2 | 422.0 |
| 7.5° | 418.9 | 418.7 | 418.5 | 419.3 | 420.3 | 421.2 |
| 8° | 417.8 | 417.8 | 417.4 | 418.2 | 419.1 | 420.2 |
| 8.5° | 416.7 | 416.6 | 416.2 | 417.0 | 417.9 | 419.3 |
| 9° | 415.5 | 415.3 | 414.9 | 415.8 | 416.8 | 418.2 |
| 9.5° | 414.1 | 413.8 | 413.6 | 414.4 | 415.6 | 417.0 |
| 10° | 412.6 | 412.5 | 412.2 | 413.1 | 414.4 | 415.7 |
| 10.5° | 411.1 | 411.1 | 410.8 | 411.9 | 413.2 | 414.4 |
| 11° | 409.6 | 409.6 | 409.5 | 410.4 | 411.8 | 413.2 |
| 11.5° | 408.1 | 408.0 | 408.0 | 409.0 | 410.3 | 411.9 |
| 12° | 406.5 | 406.5 | 406.4 | 407.3 | 408.7 | 410.5 |
| 12.5° | 404.9 | 405.0 | 404.9 | 405.7 | 407.2 | 409.1 |
| 13° | 403.2 | 403.3 | 403.2 | 404.0 | 405.6 | 407.5 |
| 13.5° | 401.4 | 401.4 | 401.4 | 402.4 | 404.0 | 405.8 |
| 14° | 399.6 | 399.6 | 399.5 | 400.6 | 402.4 | 404.2 |
| 14.5° | 397.8 | 397.6 | 397.8 | 398.7 | 400.6 | 402.4 |
| 15° | 396.1 | 395.7 | 396.0 | 396.7 | 398.7 | 400.6 |
| 15.5° | 394.1 | 393.9 | 394.2 | 394.9 | 396.8 | 398.8 |
| 16° | 392.1 | 392.0 | 392.3 | 393.1 | 394.9 | 397.0 |
| 16.5° | 389.9 | 389.9 | 390.1 | 391.2 | 393.0 | 395.1 |
| 17° | 387.7 | 387.8 | 387.8 | 389.1 | 391.0 | 393.2 |
| 17.5° | 385.6 | 385.6 | 385.6 | 386.8 | 389.1 | 391.2 |
| 18° | 383.4 | 383.4 | 383.4 | 384.7 | 387.1 | 389.2 |
| 18.5° | 381.2 | 381.0 | 381.3 | 382.6 | 385.0 | 387.1 |
| 19° | 378.9 | 378.8 | 379.2 | 380.4 | 382.7 | 384.9 |
| 19.5° | 376.5 | 376.4 | 377.0 | 378.1 | 380.3 | 382.7 |
| 20° | 374.1 | 374.1 | 374.6 | 375.9 | 377.8 | 380.5 |
| 20.5° | 371.7 | 371.8 | 372.0 | 373.5 | 375.5 | 378.1 |
| 21° | 369.3 | 369.3 | 369.4 | 371.0 | 373.2 | 375.7 |



TEST NUMBER: P710792

CATALOG NUMBER: RSQ4LS9FSD2W1EWH-900lm-3000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 22.5° | 361.6 | 361.5 | 361.8 | 363.7 | 366.0 | 368.7 |
| 23° | 358.9 | 359.0 | 359.1 | 361.1 | 363.3 | 366.4 |
| 23.5° | 356.2 | 356.3 | 356.5 | 358.4 | 360.7 | 363.9 |
| 24° | 353.3 | 353.6 | 353.9 | 355.6 | 358.2 | 361.2 |
| 24.5° | 350.6 | 350.8 | 351.1 | 352.9 | 355.7 | 358.3 |
| 25° | 347.9 | 348.0 | 348.4 | 350.3 | 353.0 | 355.6 |
| 25.5° | 345.1 | 345.2 | 345.7 | 347.6 | 350.2 | 352.9 |
| 26° | 342.3 | 342.3 | 342.9 | 344.9 | 347.4 | 350.3 |
| 26.5° | 339.3 | 339.4 | 339.9 | 342.1 | 344.6 | 347.7 |
| 27° | 336.4 | 336.5 | 337.0 | 339.2 | 341.7 | 345.0 |
| 27.5° | 333.5 | 333.6 | 334.1 | 336.2 | 338.9 | 342.2 |
| 28° | 330.5 | 330.6 | 331.1 | 333.2 | 336.2 | 339.2 |
| 28.5° | 327.5 | 327.7 | 328.1 | 330.5 | 333.3 | 336.2 |
| 29° | 324.4 | 324.6 | 325.1 | 327.8 | 330.3 | 333.1 |
| 29.5° | 321.3 | 321.4 | 322.0 | 324.8 | 327.2 | 330.2 |
| 30° | 318.1 | 318.3 | 319.0 | 321.7 | 324.1 | 327.2 |
| 30.5° | 315.0 | 314.9 | 315.9 | 318.4 | 321.1 | 324.2 |
| 31° | 311.9 | 311.6 | 312.7 | 315.2 | 318.1 | 321.2 |
| 31.5° | 308.7 | 308.3 | 309.6 | 312.1 | 315.1 | 318.1 |
| 32° | 305.5 | 304.9 | 306.4 | 309.2 | 312.0 | 315.0 |
| 32.5° | 302.1 | 301.4 | 303.2 | 306.3 | 308.9 | 311.7 |
| 33° | 298.6 | 297.7 | 299.6 | 303.2 | 305.7 | 308.3 |
| 33.5° | 295.1 | 294.0 | 296.2 | 300.1 | 302.5 | 305.0 |
| 34° | 291.6 | 290.4 | 292.7 | 296.6 | 299.2 | 301.4 |
| 34.5° | 287.9 | 286.7 | 289.2 | 293.4 | 295.8 | 297.9 |
| 35° | 284.4 | 283.2 | 285.7 | 290.2 | 292.4 | 294.4 |
| 35.5° | 280.8 | 279.6 | 282.1 | 287.1 | 289.1 | 290.9 |
| 36° | 277.2 | 276.0 | 278.5 | 284.0 | 285.6 | 287.3 |
| 36.5° | 273.6 | 272.2 | 274.8 | 280.7 | 282.1 | 283.7 |
| 37° | 270.1 | 268.3 | 271.2 | 277.3 | 278.4 | 280.0 |
| 37.5° | 266.2 | 264.5 | 267.5 | 274.0 | 274.7 | 276.4 |
| 38° | 262.5 | 260.8 | 263.9 | 270.8 | 271.1 | 272.6 |
| 38.5° | 258.8 | 257.1 | 260.3 | 267.5 | 267.6 | 269.0 |
| 39° | 255.1 | 253.4 | 256.6 | 264.3 | 264.0 | 265.3 |
| 39.5° | 251.6 | 249.8 | 252.8 | 260.8 | 260.6 | 261.6 |
| 40° | 247.9 | 246.0 | 249.1 | 257.3 | 256.8 | 257.8 |
| 40.5° | 244.2 | 242.2 | 245.4 | 253.8 | 253.2 | 254.2 |
| 41° | 240.4 | 238.3 | 241.8 | 250.3 | 249.4 | 250.6 |
| 41.5° | 236.7 | 234.6 | 238.1 | 246.7 | 245.7 | 246.8 |
| 42° | 232.9 | 230.7 | 234.6 | 243.1 | 242.1 | 243.2 |
| 42.5° | 229.3 | 227.1 | 230.9 | 239.4 | 238.6 | 239.4 |
| 43° | 225.5 | 223.2 | 227.1 | 235.7 | 235.0 | 235.7 |
| 43.5° | 221.7 | 219.6 | 223.4 | 231.9 | 231.3 | 231.9 |



TEST NUMBER: P710792

CATALOG NUMBER: RSQ4LS9FSD2W1EWH-900lm-3000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 45° | 210.6 | 208.3 | 212.3 | 220.5 | 220.3 | 220.8 |
| 45.5° | 207.0 | 204.6 | 208.7 | 216.8 | 216.6 | 217.1 |
| 46° | 203.3 | 200.8 | 205.1 | 213.1 | 213.0 | 213.4 |
| 46.5° | 199.7 | 197.2 | 201.4 | 209.3 | 209.4 | 209.6 |
| 47° | 196.1 | 193.5 | 197.7 | 205.5 | 205.7 | 205.9 |
| 47.5° | 192.6 | 189.9 | 194.2 | 201.8 | 202.1 | 202.3 |
| 48° | 188.9 | 186.0 | 190.6 | 198.1 | 198.3 | 198.6 |
| 48.5° | 185.1 | 182.4 | 186.9 | 194.4 | 194.8 | 195.0 |
| 49° | 181.5 | 178.7 | 183.3 | 190.6 | 191.2 | 191.3 |
| 49.5° | 177.9 | 175.0 | 179.7 | 187.0 | 187.6 | 187.6 |
| 50° | 174.2 | 171.3 | 176.0 | 183.3 | 184.0 | 183.8 |
| 50.5° | 170.6 | 167.7 | 172.4 | 179.6 | 180.3 | 180.1 |
| 51° | 167.1 | 164.1 | 168.9 | 175.9 | 176.8 | 176.5 |
| 51.5° | 163.7 | 160.5 | 165.4 | 172.2 | 173.3 | 172.9 |
| 52° | 160.0 | 156.9 | 161.9 | 168.6 | 169.7 | 169.4 |
| 52.5° | 156.6 | 153.2 | 158.3 | 165.0 | 166.1 | 165.8 |
| 53° | 153.0 | 149.6 | 154.7 | 161.3 | 162.5 | 162.2 |
| 53.5° | 149.3 | 146.1 | 151.2 | 157.6 | 158.9 | 158.5 |
| 54° | 145.7 | 142.6 | 147.6 | 153.9 | 155.3 | 154.9 |
| 54.5° | 142.4 | 139.1 | 144.2 | 150.4 | 151.9 | 151.3 |
| 55° | 138.9 | 135.6 | 140.7 | 146.8 | 148.4 | 147.8 |
| 55.5° | 135.5 | 132.0 | 137.2 | 143.3 | 144.9 | 144.2 |
| 56° | 132.0 | 128.4 | 133.7 | 139.7 | 141.5 | 140.8 |
| 56.5° | 128.6 | 124.9 | 130.3 | 136.3 | 138.0 | 137.2 |
| 57° | 125.1 | 121.5 | 126.8 | 132.8 | 134.5 | 133.7 |
| 57.5° | 121.8 | 118.1 | 123.5 | 129.2 | 130.9 | 130.2 |
| 58° | 118.4 | 114.7 | 120.2 | 125.8 | 127.5 | 126.8 |
| 58.5° | 115.0 | 111.2 | 116.7 | 122.2 | 123.8 | 123.3 |
| 59° | 111.6 | 107.9 | 113.2 | 118.7 | 120.5 | 119.9 |
| 59.5° | 108.2 | 104.5 | 109.7 | 115.3 | 117.0 | 116.4 |
| 60° | 104.8 | 101.2 | 106.4 | 111.9 | 113.6 | 113.0 |
| 60.5° | 101.4 | 97.8 | 102.9 | 108.5 | 110.0 | 109.5 |
| 61° | 98.0 | 94.5 | 99.6 | 105.2 | 106.6 | 106.3 |
| 61.5° | 94.6 | 91.2 | 96.3 | 101.8 | 103.2 | 103.0 |
| 62° | 91.3 | 88.0 | 92.9 | 98.5 | 99.9 | 99.7 |
| 62.5° | 87.9 | 84.7 | 89.6 | 95.0 | 96.4 | 96.3 |
| 63° | 84.7 | 81.6 | 86.3 | 91.8 | 93.2 | 93.0 |
| 63.5° | 81.5 | 78.4 | 83.0 | 88.5 | 89.9 | 89.8 |
| 64° | 78.2 | 75.2 | 79.8 | 85.2 | 86.6 | 86.5 |
| 64.5° | 75.1 | 72.1 | 76.5 | 82.0 | 83.0 | 83.3 |
| 65° | 71.9 | 69.1 | 73.4 | 78.8 | 80.0 | 80.1 |
| 65.5° | 68.8 | 66.0 | 70.2 | 75.6 | 76.8 | 77.0 |
| 66° | 65.6 | 63.0 | 67.2 | 72.4 | 73.6 | 73.8 |



TEST NUMBER: P710792

CATALOG NUMBER: RSQ4LS9FSD2W1EWH-900lm-3000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|------|--------|------|--------|------|
| 67.5° | 56.7 | 54.3 | 58.1 | 63.2 | 64.4 | 64.8 |
| 68° | 53.8 | 51.6 | 55.2 | 60.2 | 61.4 | 61.8 |
| 68.5° | 51.0 | 48.8 | 52.2 | 57.2 | 58.3 | 58.8 |
| 69° | 48.2 | 46.4 | 49.4 | 54.2 | 55.4 | 55.9 |
| 69.5° | 45.4 | 43.9 | 46.9 | 51.3 | 52.4 | 53.1 |
| 70° | 42.8 | 41.5 | 44.4 | 48.5 | 49.6 | 50.4 |
| 70.5° | 40.3 | 39.1 | 41.8 | 45.8 | 47.0 | 47.8 |
| 71° | 37.9 | 36.6 | 39.3 | 43.2 | 44.4 | 45.3 |
| 71.5° | 35.4 | 34.3 | 36.7 | 40.6 | 41.9 | 42.8 |
| 72° | 33.1 | 32.0 | 34.4 | 37.9 | 39.3 | 40.3 |
| 72.5° | 30.9 | 29.8 | 32.0 | 35.3 | 36.7 | 37.7 |
| 73° | 28.7 | 27.7 | 29.8 | 32.8 | 34.3 | 35.4 |
| 73.5° | 26.5 | 25.8 | 27.6 | 30.4 | 32.0 | 33.1 |
| 74° | 24.5 | 23.9 | 25.5 | 28.1 | 29.7 | 30.9 |
| 74.5° | 22.6 | 22.1 | 23.6 | 25.9 | 27.6 | 28.7 |
| 75° | 20.9 | 20.5 | 21.8 | 23.9 | 25.4 | 26.7 |
| 75.5° | 19.2 | 18.9 | 20.0 | 22.0 | 23.5 | 24.8 |
| 76° | 17.6 | 17.4 | 18.4 | 20.1 | 21.6 | 22.9 |
| 76.5° | 16.2 | 16.0 | 16.9 | 18.4 | 19.9 | 21.2 |
| 77° | 14.9 | 14.7 | 15.6 | 16.8 | 18.3 | 19.6 |
| 77.5° | 13.6 | 13.4 | 14.2 | 15.3 | 16.8 | 18.2 |
| 78° | 12.5 | 12.1 | 13.0 | 13.9 | 15.5 | 16.8 |
| 78.5° | 11.4 | 10.9 | 11.7 | 12.6 | 14.1 | 15.3 |
| 79° | 10.3 | 9.7 | 10.6 | 11.4 | 12.8 | 14.0 |
| 79.5° | 9.1 | 8.7 | 9.4 | 10.3 | 11.6 | 12.7 |
| 80° | 8.0 | 7.7 | 8.5 | 9.3 | 10.4 | 11.4 |
| 80.5° | 7.1 | 6.8 | 7.5 | 8.3 | 9.6 | 10.7 |
| 81° | 6.3 | 5.9 | 6.6 | 7.4 | 8.5 | 9.5 |
| 81.5° | 5.5 | 5.5 | 5.8 | 6.6 | 7.5 | 8.4 |
| 82° | 5.1 | 5.1 | 5.3 | 5.9 | 6.7 | 7.4 |
| 82.5° | 4.6 | 4.5 | 4.8 | 5.2 | 5.9 | 6.5 |
| 83° | 4.0 | 4.0 | 4.2 | 4.7 | 5.3 | 5.7 |
| 83.5° | 3.5 | 3.4 | 3.7 | 4.1 | 4.8 | 5.5 |
| 84° | 2.9 | 2.8 | 3.1 | 3.5 | 4.2 | 4.9 |
| 84.5° | 2.3 | 2.4 | 2.5 | 3.0 | 3.6 | 4.3 |
| 85° | 1.9 | 1.9 | 2.1 | 2.4 | 3.1 | 3.8 |
| 85.5° | 1.3 | 1.3 | 1.4 | 1.8 | 2.5 | 3.2 |
| 86° | 0.8 | 0.9 | 0.9 | 1.3 | 2.0 | 2.6 |
| 86.5° | 0.4 | 0.4 | 0.5 | 0.8 | 1.4 | 2.2 |
| 87° | 0.1 | 0.1 | 0.2 | 0.4 | 0.9 | 1.6 |
| 87.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.5 | 1.0 |
| 88° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.7 |
| 88.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 |



TEST NUMBER: P710792

CATALOG NUMBER: RSQ4LS9FSD2W1EWH-900lm-3000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 90° | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.0 |
| 90.5° | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 |
| 91° | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 |
| 91.5° | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 |
| 92° | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 |
| 92.5° | 0.2 | 0.1 | 0.3 | 0.1 | 0.1 | 0.1 |
| 93° | 0.2 | 0.1 | 0.3 | 0.2 | 0.1 | 0.1 |
| 93.5° | 0.3 | 0.1 | 0.3 | 0.2 | 0.1 | 0.1 |
| 94° | 0.3 | 0.1 | 0.3 | 0.2 | 0.1 | 0.1 |
| 94.5° | 0.3 | 0.2 | 0.3 | 0.2 | 0.1 | 0.1 |
| 95° | 0.3 | 0.2 | 0.3 | 0.2 | 0.1 | 0.1 |
| 95.5° | 0.3 | 0.2 | 0.3 | 0.2 | 0.2 | 0.1 |
| 96° | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.1 |
| 96.5° | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.1 |
| 97° | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.1 |
| 97.5° | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.1 |
| 98° | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.1 |
| 98.5° | 0.3 | 0.2 | 0.2 | 0.4 | 0.2 | 0.1 |
| 99° | 0.3 | 0.2 | 0.2 | 0.4 | 0.2 | 0.1 |
| 99.5° | 0.3 | 0.2 | 0.2 | 0.4 | 0.2 | 0.1 |
| 100° | 0.3 | 0.2 | 0.2 | 0.4 | 0.2 | 0.1 |
| 100.5° | 0.3 | 0.2 | 0.3 | 0.4 | 0.2 | 0.1 |
| 101° | 0.3 | 0.2 | 0.3 | 0.4 | 0.2 | 0.1 |
| 101.5° | 0.3 | 0.3 | 0.3 | 0.4 | 0.2 | 0.1 |
| 102° | 0.3 | 0.3 | 0.3 | 0.4 | 0.2 | 0.1 |
| 102.5° | 0.3 | 0.3 | 0.3 | 0.4 | 0.2 | 0.1 |
| 103° | 0.3 | 0.3 | 0.3 | 0.4 | 0.2 | 0.1 |
| 103.5° | 0.3 | 0.3 | 0.3 | 0.4 | 0.2 | 0.1 |
| 104° | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.1 |
| 104.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.1 |
| 105° | 0.3 | 0.3 | 0.4 | 0.3 | 0.2 | 0.1 |
| 105.5° | 0.3 | 0.4 | 0.4 | 0.3 | 0.2 | 0.1 |
| 106° | 0.3 | 0.4 | 0.4 | 0.3 | 0.2 | 0.1 |
| 106.5° | 0.3 | 0.4 | 0.3 | 0.3 | 0.2 | 0.1 |
| 107° | 0.3 | 0.4 | 0.3 | 0.2 | 0.2 | 0.1 |
| 107.5° | 0.3 | 0.4 | 0.3 | 0.2 | 0.2 | 0.1 |
| 108° | 0.3 | 0.4 | 0.3 | 0.2 | 0.2 | 0.1 |
| 108.5° | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.1 |
| 109° | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.1 |
| 109.5° | 0.2 | 0.3 | 0.3 | 0.2 | 0.2 | 0.1 |
| 110° | 0.2 | 0.3 | 0.3 | 0.2 | 0.2 | 0.1 |
| 110.5° | 0.2 | 0.3 | 0.3 | 0.2 | 0.2 | 0.1 |
| 111° | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 |



TEST NUMBER: P710792
 CATALOG NUMBER: RSQ4LS9FSD2W1EWH-900lm-3000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 112.5° | 0.2 | 0.3 | 0.2 | 0.1 | 0.2 | 0.1 |
| 113° | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 113.5° | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 114° | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 114.5° | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 115° | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 115.5° | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 116° | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 116.5° | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 117° | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 117.5° | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 118° | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 118.5° | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 119° | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 119.5° | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 120° | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 120.5° | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 121° | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 121.5° | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 122° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 |
| 122.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 |
| 123° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 123.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 124° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 124.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 125° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 125.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 126° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 126.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 127° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 127.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| 128° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 128.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 129° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 129.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 130° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 130.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 131° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 131.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 132° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 132.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 133° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 133.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |



TEST NUMBER: P710792

CATALOG NUMBER: RSQ4LS9FSD2W1EWH-900lm-3000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P710792

CATALOG NUMBER: RSQ4LS9FSD2W1EWH-900lm-3000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 157.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 |
| 158° | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 |
| 158.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 |
| 159° | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 |
| 159.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 |
| 160° | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 |
| 160.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 |
| 161° | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 |
| 161.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 |
| 162° | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 |
| 162.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 |
| 163° | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 |
| 163.5° | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 |
| 164° | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 |
| 164.5° | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 |
| 165° | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 |
| 165.5° | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 |
| 166° | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 |
| 166.5° | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 |
| 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 | 0.2 | 0.3 |
| 173.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 |
| 174° | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 |
| 174.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 |
| 175° | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 |
| 175.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 176° | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 176.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 177° | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 177.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 178° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 178.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |



TEST NUMBER: P710792

CATALOG NUMBER: RSQ4LS9FSD2W1EWH-900lm-3000K

CANDELA DISTRIBUTION (continued):

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

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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

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| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 21.5° | 373.3 | 376.4 | 378.5 | 381.6 | 380.6 | 380.1 | 378.6 | 376.5 | 374.2 | 371.9 | 370.4 |
| 22° | 371.0 | 374.0 | 376.1 | 379.4 | 378.2 | 377.9 | 376.3 | 374.2 | 371.9 | 369.4 | 368.0 |



| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 44° | 228.2 | 235.1 | 243.5 | 242.5 | 236.9 | 239.7 | 242.8 | 231.6 | 224.4 | 224.8 | 228.6 |
| 44.5° | 224.5 | 231.5 | 239.9 | 238.7 | 233.1 | 236.1 | 239.1 | 227.9 | 220.5 | 221.0 | 224.7 |



| | | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 66.5° | 70.8 | 78.6 | 83.2 | 84.6 | 79.1 | 82.4 | 81.7 | 75.2 | 67.7 | 67.9 | 68.9 |
| 67° | 67.7 | 75.4 | 80.1 | 81.3 | 76.1 | 79.3 | 78.5 | 72.1 | 64.8 | 64.9 | 65.9 |



| | | | | | | | | | | | |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 89° | 0.0 | 0.5 | 1.2 | 2.3 | 2.2 | 2.2 | 1.7 | 1.0 | 0.4 | 0.1 | 0.1 |
| 89.5° | 0.0 | 0.1 | 0.7 | 1.8 | 1.7 | 1.7 | 1.2 | 0.7 | 0.1 | 0.1 | 0.1 |



| | | | | | | | | | | | |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 111.5° | 0.1 | 0.3 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 0.4 | 0.1 | 0.2 | 0.1 |
| 112° | 0.1 | 0.3 | 0.8 | 0.9 | 0.9 | 1.0 | 0.9 | 0.4 | 0.1 | 0.2 | 0.1 |



| | | | | | | | | | | | |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 134° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 134.5° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |



| | | | | | | | | | | | |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 156.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 |
| 157° | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 |



| | | | | | | | | | | | |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 179° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 179.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

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| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 21.5° | 366.7 | 366.7 | 366.9 | 368.5 | 370.9 | 373.3 |
| 22° | 364.1 | 364.1 | 364.4 | 366.2 | 368.5 | 371.0 |



| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 44° | 218.0 | 215.7 | 219.7 | 228.1 | 227.6 | 228.2 |
| 44.5° | 214.4 | 212.1 | 216.0 | 224.3 | 223.9 | 224.5 |

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|-------|------|------|------|------|------|------|
| 66.5° | 62.6 | 60.1 | 64.1 | 69.3 | 70.5 | 70.8 |
| 67° | 59.6 | 57.2 | 61.1 | 66.2 | 67.4 | 67.7 |

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| | | | | | | |
|-------|-----|-----|-----|-----|-----|-----|
| 89° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 |
| 89.5° | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.0 |

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| | | | | | | |
|--------|-----|-----|-----|-----|-----|-----|
| 111.5° | 0.2 | 0.3 | 0.2 | 0.1 | 0.2 | 0.1 |
| 112° | 0.2 | 0.3 | 0.2 | 0.1 | 0.2 | 0.1 |



| | | | | | | |
|--------|-----|-----|-----|-----|-----|-----|
| 134° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 134.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

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| | | | | | | |
|--------|-----|-----|-----|-----|-----|-----|
| 156.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 |
| 157° | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 |

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| | | | | | | |
|--------|-----|-----|-----|-----|-----|-----|
| 179° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 179.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

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(END OF REPORT)