

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: P417438

Luminaire Tested: **SMD6S129SWH - 3000K**

Issue Date: 11/3/2020

Test Information

Test Method: LM-41-14
Report Number: P417438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2008784B001)
Test Lab: EVERFINE
Issue Date: 11/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: SMD6S129SWH - 3000K
Description: SMD SELECTABLE CCT 3000K
Light Source: SELECTABLE CCT LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1241.2 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

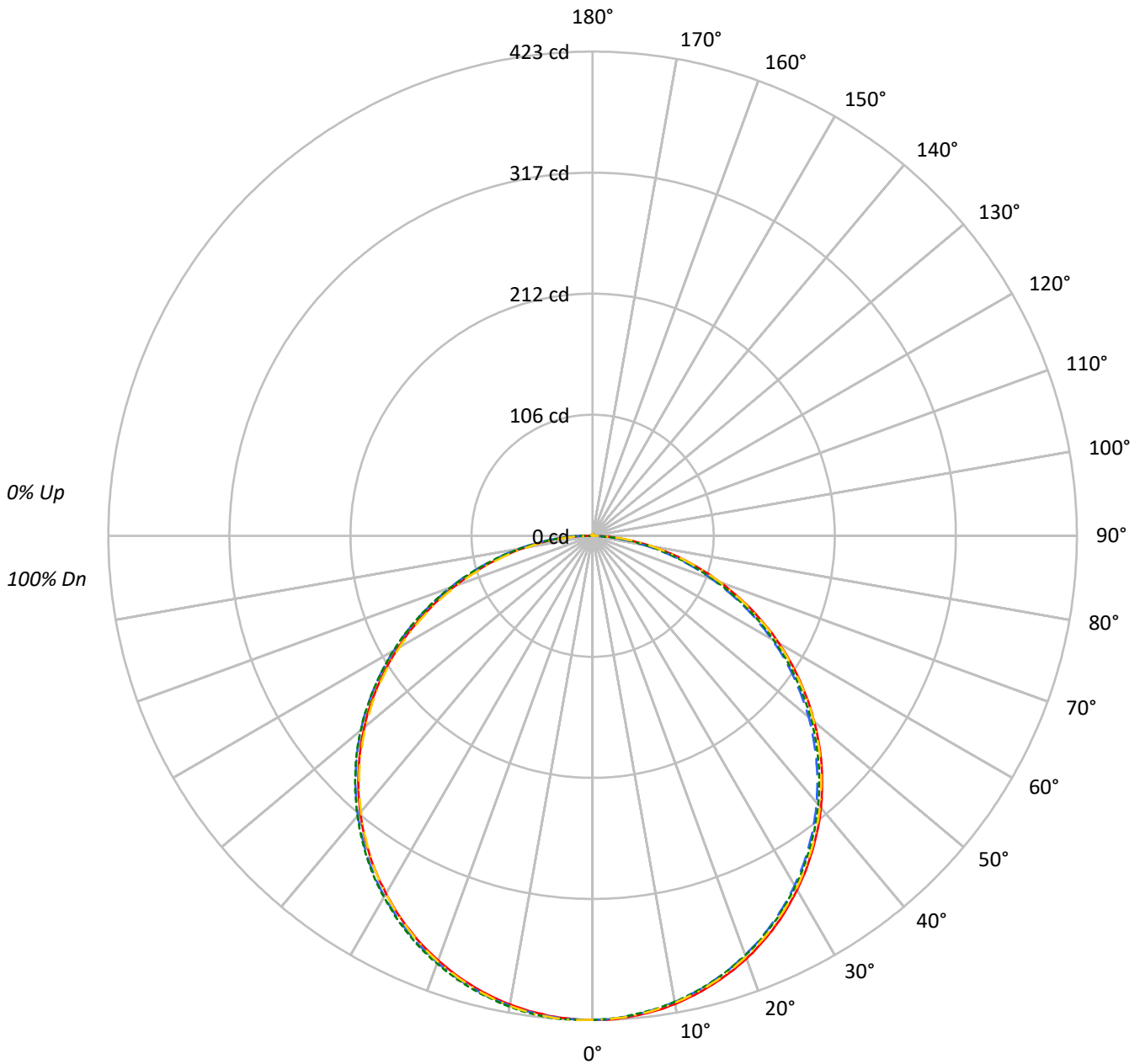
Input Watts (W): 14.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P417438

CATALOG NUMBER: SMD6S129SWH - 3000K

Luminous Intensity Polar Plot





TEST NUMBER: P417438

CATALOG NUMBER: SMD6S129SWH - 3000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | |
| RC | 80 | | | | | | | | | 50 | | | | | | | | | 30 | | | | | | | | | 10 | | | | | | | | | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 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 | 108 | 103 | 99 | 95 | 106 | 101 | 97 | 93 | 97 | 93 | 90 | 93 | 90 | 88 | 89 | 87 | 85 | 83 | | | | | | | | | | | | | | | | | | | |
| 2 | 98 | 90 | 83 | 77 | 96 | 88 | 81 | 76 | 84 | 79 | 74 | 81 | 76 | 72 | 78 | 74 | 71 | 68 | | | | | | | | | | | | | | | | | | | |
| 3 | 89 | 79 | 70 | 64 | 87 | 77 | 69 | 63 | 74 | 67 | 62 | 71 | 66 | 61 | 69 | 64 | 60 | 57 | | | | | | | | | | | | | | | | | | | |
| 4 | 82 | 70 | 61 | 54 | 79 | 68 | 60 | 53 | 66 | 58 | 53 | 63 | 57 | 52 | 61 | 56 | 51 | 49 | | | | | | | | | | | | | | | | | | | |
| 5 | 75 | 62 | 53 | 46 | 73 | 61 | 52 | 46 | 59 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 44 | 42 | | | | | | | | | | | | | | | | | | | |
| 6 | 69 | 56 | 47 | 40 | 67 | 55 | 46 | 40 | 53 | 45 | 40 | 51 | 44 | 39 | 50 | 44 | 39 | 37 | | | | | | | | | | | | | | | | | | | |
| 7 | 64 | 51 | 42 | 35 | 63 | 50 | 41 | 35 | 48 | 41 | 35 | 47 | 40 | 35 | 45 | 39 | 34 | 32 | | | | | | | | | | | | | | | | | | | |
| 8 | 60 | 46 | 38 | 32 | 58 | 45 | 37 | 32 | 44 | 37 | 31 | 43 | 36 | 31 | 42 | 35 | 31 | 29 | | | | | | | | | | | | | | | | | | | |
| 9 | 56 | 42 | 34 | 28 | 54 | 42 | 34 | 28 | 41 | 33 | 28 | 39 | 33 | 28 | 38 | 32 | 28 | 26 | | | | | | | | | | | | | | | | | | | |
| 10 | 52 | 39 | 31 | 26 | 51 | 38 | 31 | 26 | 37 | 30 | 26 | 36 | 30 | 25 | 36 | 30 | 25 | 23 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 18213 | 18213 | 18213 | 18213 |
| 5° | 18200 | 18139 | 18204 | 18265 |
| 10° | 18157 | 18069 | 18174 | 18271 |
| 15° | 18088 | 17977 | 18142 | 18253 |
| 20° | 18007 | 17874 | 18085 | 18218 |
| 25° | 17896 | 17739 | 18019 | 18181 |
| 30° | 17764 | 17600 | 17948 | 18122 |
| 35° | 17608 | 17419 | 17855 | 18060 |
| 40° | 17435 | 17233 | 17738 | 17958 |
| 45° | 17226 | 16982 | 17603 | 17841 |
| 50° | 16927 | 16692 | 17436 | 17704 |
| 55° | 16589 | 16274 | 17212 | 17513 |
| 60° | 16189 | 15741 | 16929 | 17308 |
| 65° | 15649 | 15098 | 16545 | 17024 |
| 70° | 14905 | 14213 | 16076 | 16642 |
| 75° | 14007 | 13125 | 15521 | 16236 |
| 80° | 12645 | 11654 | 15050 | 15893 |
| 85° | 10424 | 9040 | 15067 | 16006 |



TEST NUMBER: P417438

CATALOG NUMBER: SMD6S129SWH - 3000K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 40.0 | 3.2 |
| 10°-20° | 114.6 | 9.2 |
| 20°-30° | 174.0 | 14.0 |
| 30°-40° | 210.7 | 17.0 |
| 40°-50° | 219.9 | 17.7 |
| 50°-60° | 200.4 | 16.1 |
| 60°-70° | 155.3 | 12.5 |
| 70°-80° | 93.0 | 7.5 |
| 80°-90° | 28.7 | 2.3 |
| 90°-100° | 0.6 | 0.1 |
| 100°-110° | 0.4 | 0.0 |
| 110°-120° | 0.5 | 0.0 |
| 120°-130° | 0.7 | 0.1 |
| 130°-140° | 0.6 | 0.1 |
| 140°-150° | 0.6 | 0.0 |
| 150°-160° | 0.5 | 0.0 |
| 160°-170° | 0.4 | 0.0 |
| 170°-180° | 0.1 | 0.0 |
| 0°-30° | 328.7 | 26.5 |
| 0°-40° | 539.4 | 43.5 |
| 0°-60° | 959.7 | 77.3 |
| 0°-90° | 1236.7 | 99.6 |
| 90°-120° | 1.6 | 0.1 |
| 90°-150° | 3.5 | 0.3 |
| 90°-180° | 5.0 | 0.4 |
| 0°-180° | 1241.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0° | 423 | 423 | 423 | 423 | 423 | |
| 5° | 421 | 420 | 421 | 423 | 421 | 40 |
| 15° | 406 | 403 | 407 | 410 | 406 | 115 |
| 25° | 377 | 373 | 379 | 383 | 377 | 174 |
| 35° | 335 | 331 | 340 | 344 | 335 | 210 |
| 45° | 283 | 279 | 289 | 293 | 283 | 218 |
| 55° | 221 | 217 | 229 | 233 | 221 | 198 |
| 65° | 154 | 148 | 162 | 167 | 154 | 152 |
| 75° | 84 | 79 | 93 | 98 | 84 | 89 |
| 85° | 21 | 18 | 30 | 32 | 21 | 23 |
| 90° | 1 | 0 | 5 | 6 | 1 | 1 |
| 95° | 0 | 0 | 0 | 0 | 0 | 0 |
| 105° | 0 | 0 | 0 | 0 | 0 | 1 |
| 115° | 0 | 0 | 0 | 0 | 0 | 1 |
| 125° | 1 | 1 | 1 | 1 | 1 | 1 |
| 135° | 1 | 1 | 1 | 1 | 1 | 1 |
| 145° | 1 | 1 | 1 | 1 | 1 | 1 |
| 155° | 1 | 1 | 1 | 1 | 1 | 1 |
| 165° | 1 | 1 | 2 | 1 | 1 | 0 |
| 175° | 1 | 2 | 2 | 2 | 1 | 0 |
| 180° | 1 | 1 | 1 | 1 | 1 | |



TEST NUMBER: P417438

CATALOG NUMBER: SMD6S129SWH - 3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 0° | 423.0 | 423.0 | 423.0 | 423.0 | 423.0 | 423.0 | 423.0 | 423.0 | 423.0 | 423.0 | 423.0 |
| 0.5° | 422.9 | 423.0 | 422.8 | 423.1 | 422.8 | 422.6 | 423.0 | 422.8 | 422.9 | 422.9 | 422.8 |
| 1° | 422.9 | 423.0 | 422.8 | 423.0 | 422.6 | 422.6 | 422.7 | 422.8 | 422.8 | 422.9 | 422.9 |
| 1.5° | 423.0 | 422.7 | 422.8 | 422.8 | 422.5 | 422.4 | 422.6 | 422.8 | 422.8 | 422.9 | 422.9 |
| 2° | 423.0 | 422.5 | 422.4 | 422.5 | 422.2 | 422.3 | 422.6 | 422.6 | 422.8 | 422.8 | 422.8 |
| 2.5° | 422.8 | 422.4 | 422.2 | 422.2 | 421.9 | 422.0 | 422.2 | 422.1 | 422.4 | 422.8 | 422.7 |
| 3° | 422.6 | 422.1 | 421.8 | 421.7 | 421.7 | 421.7 | 422.0 | 422.0 | 422.2 | 422.6 | 422.6 |
| 3.5° | 422.2 | 421.7 | 421.5 | 421.5 | 421.6 | 421.3 | 421.9 | 421.8 | 422.0 | 422.5 | 422.4 |
| 4° | 421.8 | 421.3 | 421.1 | 421.2 | 420.6 | 421.0 | 421.4 | 421.5 | 421.8 | 422.4 | 422.3 |
| 4.5° | 421.5 | 421.0 | 420.6 | 420.5 | 420.2 | 420.5 | 421.0 | 421.0 | 421.4 | 422.0 | 422.0 |
| 5° | 421.1 | 420.6 | 420.2 | 420.2 | 419.7 | 420.1 | 420.7 | 420.7 | 421.2 | 421.7 | 421.7 |
| 5.5° | 420.7 | 420.0 | 419.8 | 419.8 | 419.3 | 419.5 | 420.1 | 420.1 | 420.8 | 421.2 | 421.4 |
| 6° | 420.2 | 419.6 | 419.2 | 419.1 | 418.7 | 419.1 | 419.5 | 419.9 | 420.2 | 420.8 | 421.2 |
| 6.5° | 419.8 | 418.9 | 418.6 | 418.3 | 418.2 | 418.5 | 419.1 | 419.3 | 419.9 | 420.4 | 420.7 |
| 7° | 419.2 | 418.3 | 417.9 | 417.9 | 417.7 | 417.9 | 418.5 | 418.9 | 419.3 | 420.0 | 420.3 |
| 7.5° | 418.6 | 417.7 | 417.1 | 417.2 | 417.3 | 417.4 | 417.8 | 418.2 | 419.0 | 419.4 | 419.7 |
| 8° | 418.1 | 417.0 | 416.6 | 416.4 | 416.4 | 416.8 | 417.2 | 417.8 | 418.4 | 419.0 | 419.4 |
| 8.5° | 417.6 | 416.3 | 415.8 | 415.8 | 415.7 | 415.9 | 416.5 | 417.0 | 417.7 | 418.5 | 418.8 |
| 9° | 416.8 | 415.7 | 415.1 | 415.2 | 415.0 | 415.2 | 415.9 | 416.3 | 417.1 | 417.7 | 418.4 |
| 9.5° | 416.0 | 414.9 | 414.3 | 414.3 | 414.2 | 414.5 | 415.1 | 415.6 | 416.4 | 417.1 | 417.6 |
| 10° | 415.3 | 414.2 | 413.5 | 413.5 | 413.3 | 413.7 | 414.3 | 414.9 | 415.7 | 416.5 | 417.0 |
| 10.5° | 414.5 | 413.3 | 412.8 | 412.7 | 412.6 | 412.8 | 413.5 | 414.1 | 415.1 | 415.9 | 416.1 |
| 11° | 413.6 | 412.6 | 411.8 | 411.7 | 411.7 | 412.0 | 412.6 | 413.3 | 414.3 | 415.2 | 415.5 |
| 11.5° | 412.7 | 411.5 | 410.8 | 410.6 | 410.8 | 410.8 | 411.8 | 412.5 | 413.5 | 414.4 | 414.8 |
| 12° | 411.7 | 410.5 | 409.8 | 409.5 | 409.7 | 410.0 | 410.8 | 411.6 | 412.6 | 413.7 | 414.1 |
| 12.5° | 411.0 | 409.4 | 408.9 | 408.5 | 408.8 | 408.9 | 409.7 | 410.6 | 411.7 | 412.6 | 413.2 |
| 13° | 410.0 | 408.5 | 408.0 | 407.6 | 407.7 | 407.9 | 408.9 | 409.7 | 410.9 | 411.8 | 412.4 |
| 13.5° | 409.0 | 407.4 | 406.9 | 406.5 | 406.7 | 406.7 | 407.9 | 408.8 | 410.1 | 410.8 | 411.4 |
| 14° | 407.9 | 406.4 | 405.8 | 405.3 | 405.7 | 405.7 | 406.9 | 407.9 | 409.0 | 410.3 | 410.5 |
| 14.5° | 406.7 | 405.2 | 404.7 | 404.1 | 404.7 | 404.6 | 405.7 | 406.7 | 408.0 | 409.0 | 409.4 |
| 15° | 405.8 | 404.0 | 403.4 | 403.0 | 403.3 | 403.5 | 404.6 | 405.6 | 407.0 | 408.0 | 408.4 |
| 15.5° | 404.6 | 402.7 | 402.1 | 401.8 | 402.2 | 402.4 | 403.5 | 404.5 | 405.8 | 406.9 | 407.4 |
| 16° | 403.5 | 401.7 | 400.9 | 400.4 | 401.0 | 401.2 | 402.3 | 403.2 | 404.7 | 405.9 | 406.5 |
| 16.5° | 402.1 | 400.4 | 399.7 | 399.3 | 399.7 | 399.7 | 400.9 | 402.1 | 403.5 | 404.7 | 405.4 |
| 17° | 401.0 | 399.3 | 398.3 | 398.0 | 398.4 | 398.5 | 399.7 | 400.9 | 402.4 | 403.7 | 404.2 |
| 17.5° | 399.8 | 397.8 | 397.1 | 396.4 | 397.2 | 397.2 | 398.4 | 399.7 | 401.2 | 402.4 | 403.0 |
| 18° | 398.6 | 396.5 | 395.6 | 395.0 | 395.8 | 396.0 | 397.1 | 398.2 | 400.0 | 401.2 | 401.9 |
| 18.5° | 397.2 | 395.1 | 394.1 | 393.6 | 394.1 | 394.5 | 395.7 | 397.0 | 398.7 | 399.9 | 400.6 |
| 19° | 395.9 | 393.7 | 392.5 | 392.2 | 392.9 | 393.1 | 394.3 | 395.7 | 397.3 | 398.6 | 399.4 |
| 19.5° | 394.5 | 392.1 | 391.0 | 390.9 | 391.6 | 391.7 | 392.8 | 394.3 | 396.1 | 397.2 | 398.2 |
| 20° | 393.0 | 390.6 | 389.7 | 389.5 | 390.1 | 390.2 | 391.4 | 392.9 | 394.7 | 395.8 | 396.8 |
| 20.5° | 391.5 | 389.2 | 388.1 | 387.8 | 388.6 | 388.7 | 390.0 | 391.4 | 393.3 | 394.5 | 395.4 |
| 21° | 390.2 | 387.7 | 386.6 | 386.1 | 387.0 | 387.1 | 388.6 | 389.9 | 391.8 | 393.3 | 394.0 |



TEST NUMBER: P417438

CATALOG NUMBER: SMD6S129SWH - 3000K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 22.5° | 385.3 | 382.8 | 381.7 | 381.3 | 382.3 | 382.3 | 383.6 | 385.3 | 387.5 | 388.7 | 389.7 |
| 23° | 383.6 | 381.1 | 380.1 | 379.7 | 380.5 | 380.7 | 382.1 | 383.6 | 386.0 | 387.3 | 388.3 |
| 23.5° | 382.0 | 379.2 | 378.2 | 377.9 | 378.9 | 378.9 | 380.3 | 382.1 | 384.4 | 385.7 | 386.7 |
| 24° | 380.2 | 377.6 | 376.4 | 376.0 | 377.0 | 377.1 | 378.7 | 380.5 | 382.8 | 384.1 | 385.0 |
| 24.5° | 378.6 | 375.9 | 374.6 | 374.2 | 375.3 | 375.5 | 376.9 | 378.7 | 381.1 | 382.4 | 383.3 |
| 25° | 376.7 | 374.2 | 372.7 | 372.4 | 373.4 | 373.9 | 375.2 | 377.1 | 379.3 | 380.7 | 381.8 |
| 25.5° | 374.9 | 372.3 | 370.8 | 370.4 | 371.8 | 371.8 | 373.3 | 375.2 | 377.7 | 379.0 | 380.1 |
| 26° | 373.3 | 370.4 | 368.9 | 368.6 | 370.0 | 369.9 | 371.5 | 373.5 | 376.0 | 377.4 | 378.3 |
| 26.5° | 371.3 | 368.4 | 367.0 | 366.7 | 368.0 | 368.1 | 369.5 | 371.7 | 374.3 | 375.7 | 376.6 |
| 27° | 369.3 | 366.6 | 365.1 | 364.8 | 366.0 | 366.2 | 367.8 | 369.8 | 372.5 | 373.9 | 375.0 |
| 27.5° | 367.4 | 364.7 | 363.0 | 362.7 | 364.1 | 364.3 | 365.7 | 367.8 | 370.6 | 372.0 | 373.1 |
| 28° | 365.4 | 362.7 | 361.2 | 360.8 | 362.0 | 362.2 | 363.8 | 366.0 | 368.7 | 370.1 | 371.3 |
| 28.5° | 363.3 | 360.8 | 359.0 | 358.6 | 359.9 | 360.3 | 361.7 | 364.0 | 366.9 | 368.2 | 369.4 |
| 29° | 361.3 | 358.6 | 356.9 | 356.8 | 358.0 | 358.3 | 359.9 | 362.2 | 364.7 | 366.2 | 367.6 |
| 29.5° | 359.3 | 356.7 | 354.9 | 354.6 | 356.3 | 356.4 | 357.7 | 360.1 | 362.9 | 364.3 | 365.7 |
| 30° | 357.3 | 354.5 | 352.8 | 352.5 | 354.0 | 354.4 | 355.9 | 358.1 | 361.0 | 362.3 | 363.8 |
| 30.5° | 355.1 | 352.3 | 350.6 | 350.1 | 351.8 | 352.4 | 353.7 | 356.2 | 358.8 | 360.2 | 361.8 |
| 31° | 353.0 | 350.3 | 348.5 | 348.1 | 349.8 | 350.0 | 351.8 | 354.1 | 356.8 | 358.3 | 359.9 |
| 31.5° | 350.9 | 348.0 | 346.1 | 345.7 | 347.5 | 348.0 | 349.4 | 351.9 | 355.1 | 356.3 | 357.8 |
| 32° | 348.7 | 345.8 | 344.0 | 343.6 | 345.4 | 345.7 | 347.2 | 349.8 | 352.8 | 354.4 | 355.8 |
| 32.5° | 346.6 | 343.5 | 341.7 | 341.2 | 343.1 | 343.5 | 345.0 | 347.6 | 350.7 | 352.1 | 353.6 |
| 33° | 344.2 | 341.1 | 339.5 | 338.9 | 340.7 | 341.1 | 342.8 | 345.4 | 348.6 | 349.9 | 351.6 |
| 33.5° | 342.0 | 338.7 | 337.0 | 336.4 | 338.5 | 339.1 | 340.5 | 343.1 | 346.4 | 347.9 | 349.3 |
| 34° | 339.6 | 336.5 | 334.7 | 334.2 | 336.2 | 336.6 | 338.4 | 340.9 | 344.3 | 345.8 | 347.2 |
| 34.5° | 337.4 | 334.2 | 332.2 | 331.7 | 333.8 | 334.4 | 336.0 | 338.6 | 342.2 | 343.4 | 345.0 |
| 35° | 335.0 | 331.9 | 329.8 | 329.2 | 331.4 | 332.0 | 333.7 | 336.3 | 339.7 | 341.2 | 342.6 |
| 35.5° | 332.7 | 329.3 | 327.4 | 326.7 | 329.1 | 329.7 | 331.4 | 333.9 | 337.4 | 339.0 | 340.4 |
| 36° | 330.2 | 327.0 | 324.9 | 324.5 | 326.7 | 327.2 | 328.9 | 331.5 | 335.2 | 336.7 | 338.2 |
| 36.5° | 327.8 | 324.6 | 322.6 | 321.9 | 324.3 | 324.7 | 326.4 | 329.2 | 332.9 | 334.3 | 335.8 |
| 37° | 325.4 | 322.2 | 319.9 | 319.4 | 321.9 | 322.3 | 324.0 | 326.8 | 330.4 | 331.9 | 333.3 |
| 37.5° | 323.1 | 319.6 | 317.4 | 316.8 | 319.2 | 319.8 | 321.6 | 324.3 | 328.1 | 329.5 | 331.0 |
| 38° | 320.5 | 316.9 | 314.9 | 314.4 | 316.7 | 317.2 | 319.0 | 322.0 | 325.7 | 327.1 | 328.7 |
| 38.5° | 318.0 | 314.3 | 312.3 | 311.6 | 314.1 | 314.7 | 316.5 | 319.4 | 323.3 | 324.6 | 326.2 |
| 39° | 315.4 | 311.8 | 309.8 | 309.0 | 311.7 | 312.1 | 314.0 | 317.0 | 320.8 | 322.4 | 323.8 |
| 39.5° | 312.8 | 309.3 | 307.0 | 306.3 | 309.2 | 309.4 | 311.4 | 314.3 | 318.3 | 319.9 | 321.5 |
| 40° | 310.2 | 306.7 | 304.4 | 303.6 | 306.6 | 306.8 | 308.8 | 311.8 | 315.6 | 317.2 | 319.0 |
| 40.5° | 307.6 | 304.0 | 301.7 | 300.9 | 303.8 | 304.2 | 306.2 | 309.1 | 313.1 | 314.7 | 316.4 |
| 41° | 305.0 | 301.1 | 298.8 | 298.2 | 301.3 | 301.4 | 303.6 | 306.6 | 310.4 | 312.3 | 313.9 |
| 41.5° | 302.2 | 298.3 | 296.1 | 295.4 | 298.5 | 298.7 | 300.9 | 304.0 | 308.0 | 309.7 | 311.3 |
| 42° | 299.5 | 295.5 | 293.4 | 292.7 | 295.8 | 296.0 | 298.2 | 301.3 | 305.3 | 307.1 | 308.8 |
| 42.5° | 296.7 | 292.8 | 290.5 | 290.1 | 292.9 | 293.2 | 295.5 | 298.7 | 302.7 | 304.4 | 306.0 |
| 43° | 294.0 | 290.1 | 287.8 | 287.3 | 290.2 | 290.6 | 292.8 | 296.0 | 300.0 | 301.9 | 303.5 |
| 43.5° | 291.1 | 287.3 | 285.0 | 284.4 | 287.6 | 287.9 | 290.1 | 293.3 | 297.4 | 299.2 | 301.0 |



TEST NUMBER: P417438

CATALOG NUMBER: SMD6S129SWH - 3000K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 45° | 282.9 | 278.6 | 276.3 | 275.7 | 278.9 | 279.3 | 281.8 | 285.1 | 289.1 | 291.1 | 292.7 |
| 45.5° | 279.9 | 275.8 | 273.3 | 272.9 | 276.0 | 276.4 | 278.8 | 282.2 | 286.5 | 288.4 | 289.9 |
| 46° | 277.1 | 272.9 | 270.4 | 269.9 | 273.1 | 273.5 | 275.9 | 279.5 | 283.6 | 285.6 | 287.4 |
| 46.5° | 274.1 | 270.0 | 267.3 | 266.8 | 270.2 | 270.6 | 273.2 | 276.6 | 280.9 | 282.9 | 284.5 |
| 47° | 271.3 | 266.7 | 264.3 | 263.8 | 267.3 | 267.7 | 270.2 | 273.8 | 277.8 | 279.9 | 281.7 |
| 47.5° | 268.0 | 263.8 | 261.2 | 260.8 | 264.2 | 264.6 | 267.2 | 270.8 | 275.1 | 277.1 | 278.8 |
| 48° | 265.1 | 260.8 | 258.4 | 257.9 | 261.3 | 261.8 | 264.3 | 267.8 | 272.1 | 274.2 | 275.9 |
| 48.5° | 262.0 | 257.9 | 255.4 | 254.9 | 258.2 | 258.7 | 261.4 | 264.9 | 269.3 | 271.3 | 273.0 |
| 49° | 259.0 | 254.9 | 252.5 | 251.8 | 255.4 | 255.8 | 258.3 | 262.0 | 266.4 | 268.4 | 270.2 |
| 49.5° | 255.9 | 252.0 | 249.2 | 248.6 | 252.4 | 252.7 | 255.4 | 258.9 | 263.3 | 265.5 | 267.2 |
| 50° | 252.7 | 248.7 | 246.2 | 245.5 | 249.2 | 249.6 | 252.4 | 256.1 | 260.3 | 262.4 | 264.2 |
| 50.5° | 249.5 | 245.5 | 243.0 | 242.5 | 246.1 | 246.5 | 249.2 | 253.0 | 257.3 | 259.2 | 261.3 |
| 51° | 246.6 | 242.3 | 239.9 | 239.3 | 242.7 | 243.5 | 246.2 | 250.0 | 254.4 | 256.2 | 258.3 |
| 51.5° | 243.4 | 239.4 | 236.6 | 236.1 | 239.6 | 240.2 | 243.1 | 247.0 | 251.4 | 253.4 | 255.4 |
| 52° | 240.2 | 236.1 | 233.5 | 232.8 | 236.2 | 237.0 | 239.8 | 243.8 | 248.3 | 250.5 | 252.3 |
| 52.5° | 237.2 | 232.9 | 230.2 | 229.7 | 233.1 | 233.7 | 236.7 | 240.6 | 245.2 | 247.4 | 249.2 |
| 53° | 234.0 | 229.7 | 227.0 | 226.3 | 229.6 | 230.6 | 233.4 | 237.4 | 241.9 | 244.3 | 246.0 |
| 53.5° | 230.6 | 226.5 | 223.7 | 223.2 | 226.4 | 227.1 | 230.1 | 234.2 | 239.0 | 241.1 | 242.9 |
| 54° | 227.4 | 223.3 | 220.7 | 219.9 | 223.1 | 223.9 | 226.8 | 231.0 | 235.8 | 238.1 | 239.9 |
| 54.5° | 224.2 | 220.2 | 217.4 | 216.7 | 220.0 | 220.7 | 223.5 | 227.8 | 232.6 | 234.9 | 236.7 |
| 55° | 221.0 | 216.9 | 214.3 | 213.4 | 216.8 | 217.5 | 220.3 | 224.6 | 229.3 | 231.8 | 233.5 |
| 55.5° | 217.7 | 213.7 | 211.0 | 210.2 | 213.5 | 214.2 | 217.0 | 221.3 | 226.1 | 228.5 | 230.2 |
| 56° | 214.5 | 210.5 | 207.8 | 206.9 | 210.0 | 210.8 | 213.7 | 218.0 | 222.8 | 225.1 | 227.0 |
| 56.5° | 211.3 | 207.3 | 204.6 | 203.7 | 206.8 | 207.5 | 210.4 | 214.7 | 219.4 | 221.9 | 223.7 |
| 57° | 208.0 | 204.0 | 201.2 | 200.4 | 203.4 | 204.2 | 207.2 | 211.4 | 216.2 | 218.8 | 220.4 |
| 57.5° | 204.7 | 200.6 | 197.8 | 197.0 | 200.0 | 200.7 | 203.8 | 208.0 | 213.0 | 215.4 | 217.2 |
| 58° | 201.4 | 197.3 | 194.4 | 193.6 | 196.6 | 197.5 | 200.5 | 204.9 | 209.8 | 212.1 | 213.9 |
| 58.5° | 198.0 | 193.9 | 191.1 | 190.4 | 193.1 | 194.2 | 197.2 | 201.4 | 206.3 | 208.8 | 210.7 |
| 59° | 194.7 | 190.4 | 187.7 | 186.8 | 189.7 | 190.9 | 193.9 | 198.2 | 202.9 | 205.4 | 207.4 |
| 59.5° | 191.4 | 187.0 | 184.1 | 183.4 | 186.3 | 187.5 | 190.5 | 194.7 | 199.6 | 202.0 | 203.9 |
| 60° | 188.0 | 183.5 | 180.7 | 180.1 | 182.8 | 184.0 | 187.0 | 191.5 | 196.6 | 198.7 | 200.5 |
| 60.5° | 184.5 | 180.2 | 177.3 | 176.6 | 179.5 | 180.5 | 183.8 | 188.3 | 193.1 | 195.5 | 197.2 |
| 61° | 181.3 | 176.8 | 173.8 | 173.2 | 175.9 | 176.9 | 180.4 | 184.8 | 189.9 | 192.1 | 193.9 |
| 61.5° | 177.9 | 173.3 | 170.4 | 169.7 | 172.6 | 173.7 | 176.8 | 181.3 | 186.4 | 188.8 | 190.6 |
| 62° | 174.4 | 169.9 | 166.8 | 166.1 | 169.2 | 170.1 | 173.4 | 177.8 | 183.1 | 185.5 | 187.3 |
| 62.5° | 170.8 | 166.3 | 163.3 | 162.6 | 165.5 | 166.7 | 169.9 | 174.4 | 179.6 | 181.9 | 183.8 |
| 63° | 167.4 | 162.8 | 159.9 | 159.2 | 162.1 | 163.2 | 166.4 | 170.9 | 176.1 | 178.4 | 180.4 |
| 63.5° | 163.8 | 159.4 | 156.5 | 155.8 | 158.6 | 159.8 | 162.9 | 167.5 | 172.7 | 175.1 | 177.0 |
| 64° | 160.4 | 156.0 | 153.0 | 152.3 | 155.2 | 156.4 | 159.6 | 164.2 | 169.3 | 171.7 | 173.7 |
| 64.5° | 157.0 | 152.6 | 149.5 | 148.7 | 151.7 | 153.0 | 156.0 | 160.6 | 165.8 | 168.2 | 170.2 |
| 65° | 153.6 | 149.0 | 146.0 | 145.3 | 148.2 | 149.5 | 152.6 | 157.2 | 162.4 | 164.7 | 166.8 |
| 65.5° | 150.1 | 145.5 | 142.6 | 141.6 | 144.9 | 146.0 | 149.2 | 153.7 | 158.9 | 161.4 | 163.2 |
| 66° | 146.5 | 141.9 | 139.1 | 138.1 | 141.2 | 142.3 | 145.8 | 150.2 | 155.5 | 157.8 | 159.8 |



TEST NUMBER: P417438

CATALOG NUMBER: SMD6S129SWH - 3000K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 67.5° | 136.0 | 131.4 | 128.5 | 127.5 | 130.7 | 131.9 | 135.2 | 139.9 | 145.1 | 147.6 | 149.6 |
| 68° | 132.4 | 127.8 | 125.0 | 124.0 | 127.1 | 128.3 | 131.7 | 136.3 | 141.5 | 144.1 | 146.1 |
| 68.5° | 128.9 | 124.3 | 121.6 | 120.6 | 123.6 | 124.9 | 128.3 | 132.9 | 138.1 | 140.7 | 142.6 |
| 69° | 125.4 | 121.0 | 118.0 | 117.0 | 120.1 | 121.4 | 124.9 | 129.4 | 134.6 | 137.4 | 139.3 |
| 69.5° | 121.9 | 117.3 | 114.5 | 113.5 | 116.4 | 118.0 | 121.5 | 125.8 | 131.2 | 133.9 | 135.8 |
| 70° | 118.4 | 113.9 | 111.0 | 110.1 | 112.9 | 114.5 | 118.0 | 122.4 | 127.7 | 130.3 | 132.3 |
| 70.5° | 114.8 | 110.4 | 107.5 | 106.5 | 109.5 | 111.0 | 114.6 | 119.0 | 124.3 | 126.7 | 128.8 |
| 71° | 111.4 | 107.0 | 104.0 | 103.1 | 106.1 | 107.4 | 111.0 | 115.7 | 120.9 | 123.3 | 125.4 |
| 71.5° | 108.0 | 103.6 | 100.5 | 99.7 | 102.5 | 103.9 | 107.6 | 112.0 | 117.3 | 119.9 | 122.0 |
| 72° | 104.5 | 100.0 | 97.1 | 96.4 | 99.0 | 100.5 | 104.3 | 108.5 | 113.8 | 116.4 | 118.6 |
| 72.5° | 101.1 | 96.5 | 93.6 | 92.8 | 95.7 | 97.2 | 100.7 | 105.1 | 110.4 | 113.0 | 114.9 |
| 73° | 97.6 | 93.1 | 90.2 | 89.5 | 92.3 | 93.7 | 97.3 | 101.7 | 106.8 | 109.5 | 111.4 |
| 73.5° | 94.3 | 89.6 | 87.0 | 86.3 | 88.9 | 90.5 | 93.8 | 98.3 | 103.3 | 106.0 | 108.0 |
| 74° | 90.8 | 86.4 | 83.7 | 82.9 | 85.6 | 87.3 | 90.6 | 95.0 | 100.0 | 102.5 | 104.7 |
| 74.5° | 87.6 | 83.0 | 80.4 | 79.4 | 82.3 | 83.9 | 87.3 | 91.6 | 96.5 | 99.1 | 101.1 |
| 75° | 84.2 | 79.6 | 77.0 | 76.3 | 78.9 | 80.6 | 84.0 | 88.4 | 93.3 | 95.7 | 97.8 |
| 75.5° | 80.8 | 76.3 | 73.6 | 73.0 | 75.8 | 77.4 | 80.8 | 85.1 | 90.0 | 92.5 | 94.5 |
| 76° | 77.5 | 73.0 | 70.3 | 69.6 | 72.5 | 74.2 | 77.6 | 81.9 | 86.7 | 89.3 | 91.3 |
| 76.5° | 74.0 | 69.6 | 67.0 | 66.3 | 69.2 | 70.9 | 74.3 | 78.5 | 83.4 | 86.0 | 88.0 |
| 77° | 70.8 | 66.3 | 63.7 | 63.0 | 66.0 | 67.6 | 71.0 | 75.3 | 80.2 | 82.8 | 84.7 |
| 77.5° | 67.4 | 63.0 | 60.5 | 59.7 | 62.6 | 64.4 | 67.8 | 72.1 | 77.0 | 79.5 | 81.5 |
| 78° | 64.1 | 59.8 | 57.3 | 56.5 | 59.4 | 61.2 | 64.7 | 68.9 | 73.8 | 76.4 | 78.2 |
| 78.5° | 60.9 | 56.6 | 54.0 | 53.2 | 56.2 | 58.0 | 61.4 | 65.7 | 70.5 | 73.0 | 75.0 |
| 79° | 57.6 | 53.3 | 50.8 | 50.1 | 53.1 | 55.0 | 58.2 | 62.6 | 67.2 | 69.8 | 71.7 |
| 79.5° | 54.3 | 50.1 | 47.7 | 46.8 | 50.0 | 51.8 | 55.1 | 59.3 | 64.0 | 66.5 | 68.5 |
| 80° | 51.0 | 46.8 | 44.4 | 43.6 | 47.0 | 48.7 | 52.0 | 56.3 | 60.7 | 63.4 | 65.2 |
| 80.5° | 47.8 | 43.7 | 41.3 | 40.5 | 43.7 | 45.7 | 49.0 | 53.1 | 57.7 | 60.2 | 62.1 |
| 81° | 44.6 | 40.6 | 38.4 | 37.6 | 40.8 | 42.8 | 46.0 | 50.3 | 54.6 | 57.1 | 59.0 |
| 81.5° | 41.5 | 37.6 | 35.3 | 34.4 | 37.8 | 39.7 | 43.0 | 47.0 | 51.4 | 54.0 | 55.8 |
| 82° | 38.6 | 34.6 | 32.4 | 31.5 | 34.8 | 36.7 | 39.9 | 43.9 | 48.3 | 50.9 | 52.7 |
| 82.5° | 35.4 | 31.6 | 29.4 | 28.6 | 31.8 | 33.9 | 37.0 | 40.9 | 45.3 | 47.9 | 49.6 |
| 83° | 32.4 | 28.8 | 26.6 | 25.9 | 29.1 | 31.0 | 34.1 | 38.1 | 42.2 | 44.9 | 46.6 |
| 83.5° | 29.4 | 25.9 | 23.7 | 23.1 | 26.3 | 28.1 | 31.2 | 35.1 | 39.3 | 41.8 | 43.6 |
| 84° | 26.6 | 23.1 | 21.2 | 20.6 | 23.5 | 25.3 | 28.3 | 32.2 | 36.3 | 38.8 | 40.6 |
| 84.5° | 23.8 | 20.7 | 18.4 | 17.8 | 20.9 | 22.6 | 25.6 | 29.3 | 33.4 | 35.9 | 37.7 |
| 85° | 21.1 | 17.9 | 15.8 | 15.2 | 18.3 | 20.1 | 22.8 | 26.6 | 30.5 | 33.1 | 34.7 |
| 85.5° | 18.4 | 15.2 | 13.2 | 12.7 | 15.6 | 17.5 | 20.4 | 23.7 | 27.7 | 30.2 | 31.8 |
| 86° | 15.8 | 12.6 | 10.7 | 10.2 | 13.1 | 14.9 | 17.7 | 21.3 | 24.9 | 27.3 | 29.1 |
| 86.5° | 13.2 | 10.1 | 8.2 | 7.7 | 10.6 | 12.3 | 15.1 | 18.5 | 22.2 | 24.6 | 26.3 |
| 87° | 10.6 | 7.7 | 5.9 | 5.6 | 8.3 | 9.9 | 12.5 | 15.9 | 19.6 | 22.0 | 23.3 |
| 87.5° | 8.2 | 5.7 | 3.6 | 3.3 | 6.0 | 7.6 | 10.1 | 13.3 | 17.0 | 19.4 | 20.9 |
| 88° | 6.1 | 3.5 | 1.8 | 1.5 | 3.9 | 5.5 | 7.7 | 10.9 | 14.4 | 16.8 | 18.3 |
| 88.5° | 3.8 | 1.5 | 0.7 | 0.7 | 1.4 | 3.1 | 5.5 | 8.4 | 11.9 | 14.2 | 15.5 |



TEST NUMBER: P417438

CATALOG NUMBER: SMD6S129SWH - 3000K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 90° | 0.7 | 0.6 | 0.6 | 0.6 | 0.3 | 0.4 | 0.2 | 1.8 | 4.9 | 6.9 | 8.0 |
| 90.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.2 | 0.3 | 0.2 | 0.2 | 2.7 | 4.7 | 5.8 |
| 91° | 0.6 | 0.5 | 0.6 | 0.6 | 0.3 | 0.3 | 0.2 | 0.2 | 0.5 | 2.7 | 3.6 |
| 91.5° | 0.6 | 0.5 | 0.6 | 0.6 | 0.2 | 0.3 | 0.2 | 0.3 | 0.1 | 0.6 | 1.6 |
| 92° | 0.6 | 0.5 | 0.6 | 0.6 | 0.2 | 0.3 | 0.2 | 0.3 | 0.1 | 0.5 | 0.4 |
| 92.5° | 0.6 | 0.5 | 0.6 | 0.6 | 0.3 | 0.3 | 0.2 | 0.1 | 0.1 | 0.4 | 0.1 |
| 93° | 0.6 | 0.5 | 0.6 | 0.6 | 0.3 | 0.3 | 0.3 | 0.4 | 0.1 | 0.4 | 0.0 |
| 93.5° | 0.6 | 0.5 | 0.6 | 0.6 | 0.1 | 0.3 | 0.3 | 0.0 | 0.1 | 0.4 | 0.1 |
| 94° | 0.5 | 0.5 | 0.6 | 0.6 | 0.1 | 0.3 | 0.3 | 0.0 | 0.1 | 0.4 | 0.0 |
| 94.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.1 | 0.3 | 0.3 | 0.2 | 0.1 | 0.4 | 0.0 |
| 95° | 0.5 | 0.5 | 0.6 | 0.6 | 0.1 | 0.3 | 0.3 | 0.0 | 0.1 | 0.4 | 0.2 |
| 95.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.1 | 0.3 | 0.3 | 0.3 | 0.1 | 0.4 | 0.2 |
| 96° | 0.5 | 0.5 | 0.6 | 0.6 | 0.0 | 0.3 | 0.3 | 0.1 | 0.1 | 0.4 | 0.3 |
| 96.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.0 | 0.3 | 0.3 | 0.0 | 0.1 | 0.4 | 0.0 |
| 97° | 0.5 | 0.5 | 0.6 | 0.6 | 0.4 | 0.3 | 0.3 | 0.1 | 0.1 | 0.4 | 0.1 |
| 97.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.1 | 0.3 | 0.3 | 0.1 | 0.1 | 0.4 | 0.2 |
| 98° | 0.5 | 0.5 | 0.6 | 0.6 | 0.0 | 0.3 | 0.3 | 0.0 | 0.1 | 0.4 | 0.0 |
| 98.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.4 | 0.3 | 0.3 | 0.0 | 0.2 | 0.4 | 0.1 |
| 99° | 0.5 | 0.5 | 0.6 | 0.6 | 0.4 | 0.3 | 0.3 | 0.0 | 0.1 | 0.4 | 0.1 |
| 99.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 | 0.2 |
| 100° | 0.5 | 0.5 | 0.6 | 0.6 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 | 0.1 |
| 100.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.3 | 0.3 | 0.3 | 0.1 | 0.3 | 0.5 | 0.1 |
| 101° | 0.5 | 0.5 | 0.6 | 0.6 | 0.3 | 0.3 | 0.3 | 0.1 | 0.3 | 0.5 | 0.1 |
| 101.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.5 | 0.1 |
| 102° | 0.5 | 0.5 | 0.6 | 0.6 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.5 | 0.2 |
| 102.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.4 | 0.3 | 0.3 | 0.1 | 0.3 | 0.6 | 0.1 |
| 103° | 0.5 | 0.5 | 0.6 | 0.6 | 0.4 | 0.3 | 0.3 | 0.1 | 0.5 | 0.6 | 0.1 |
| 103.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.2 | 0.3 | 0.4 | 0.2 | 0.4 | 0.1 | 0.1 |
| 104° | 0.5 | 0.5 | 0.6 | 0.6 | 0.4 | 0.3 | 0.4 | 0.2 | 0.4 | 0.0 | 0.2 |
| 104.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.4 | 0.3 | 0.3 | 0.2 | 0.4 | 0.3 | 0.2 |
| 105° | 0.5 | 0.5 | 0.6 | 0.6 | 0.3 | 0.3 | 0.4 | 0.2 | 0.4 | 0.3 | 0.2 |
| 105.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.4 | 0.4 | 0.3 | 0.3 | 0.4 | 0.3 | 0.1 |
| 106° | 0.5 | 0.5 | 0.6 | 0.6 | 0.2 | 0.3 | 0.3 | 0.2 | 0.4 | 0.3 | 0.1 |
| 106.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 | 0.3 | 0.2 | 0.1 | 0.4 | 0.4 | 0.1 |
| 107° | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.4 | 0.4 | 0.1 | 0.4 | 0.3 | 0.2 |
| 107.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 | 0.3 | 0.4 | 0.5 | 0.4 | 0.2 | 0.2 |
| 108° | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 | 0.3 | 0.4 | 0.5 | 0.5 | 0.4 | 0.3 |
| 108.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 | 0.3 | 0.4 | 0.7 | 0.5 | 0.4 | 0.2 |
| 109° | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 | 0.3 | 0.4 | 0.7 | 0.5 | 0.2 | 0.5 |
| 109.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 | 0.3 | 0.4 | 0.6 | 0.5 | 0.1 | 0.1 |
| 110° | 0.5 | 0.5 | 0.6 | 0.6 | 0.4 | 0.3 | 0.5 | 0.7 | 0.5 | 0.3 | 0.3 |
| 110.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 | 0.4 | 0.5 | 0.7 | 0.5 | 0.3 | 0.3 |
| 111° | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 | 0.3 | 0.5 | 0.7 | 0.5 | 0.5 | 0.3 |



TEST NUMBER: P417438

CATALOG NUMBER: SMD6S129SWH - 3000K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 112.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 | 0.5 | 0.5 | 0.7 | 0.5 | 0.3 | 0.5 |
| 113° | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 | 0.5 | 0.5 | 0.7 | 0.5 | 0.4 | 0.4 |
| 113.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.4 | 0.4 | 0.7 | 0.5 | 0.4 | 0.4 |
| 114° | 0.5 | 0.5 | 0.6 | 0.6 | 0.3 | 0.3 | 0.4 | 0.7 | 0.5 | 0.5 | 0.3 |
| 114.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 | 0.3 | 0.4 | 0.7 | 0.5 | 0.3 | 0.3 |
| 115° | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 | 0.4 | 0.4 | 0.8 | 0.5 | 0.4 | 0.3 |
| 115.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.4 | 0.4 | 0.4 | 0.8 | 0.5 | 0.4 | 0.3 |
| 116° | 0.5 | 0.6 | 0.6 | 0.6 | 0.3 | 0.4 | 0.4 | 0.8 | 0.5 | 0.5 | 0.5 |
| 116.5° | 0.5 | 0.7 | 0.7 | 0.6 | 0.5 | 0.5 | 0.7 | 0.8 | 0.5 | 0.4 | 0.5 |
| 117° | 0.5 | 0.7 | 0.7 | 0.6 | 0.5 | 0.5 | 0.6 | 0.8 | 0.6 | 0.4 | 0.6 |
| 117.5° | 0.5 | 0.7 | 0.7 | 0.6 | 0.5 | 0.5 | 0.5 | 0.8 | 0.5 | 0.4 | 0.6 |
| 118° | 0.6 | 0.7 | 0.7 | 0.7 | 0.3 | 0.5 | 0.6 | 0.8 | 0.5 | 0.5 | 0.5 |
| 118.5° | 0.7 | 0.7 | 0.7 | 0.6 | 0.5 | 0.5 | 0.6 | 0.8 | 0.7 | 0.5 | 0.5 |
| 119° | 0.6 | 0.8 | 0.7 | 0.7 | 0.7 | 0.7 | 0.6 | 0.8 | 0.7 | 0.4 | 0.5 |
| 119.5° | 0.7 | 0.8 | 0.8 | 0.8 | 0.6 | 0.7 | 0.7 | 0.8 | 0.6 | 0.3 | 0.5 |
| 120° | 0.7 | 0.8 | 0.8 | 0.9 | 0.5 | 0.6 | 0.6 | 0.8 | 0.6 | 0.4 | 0.5 |
| 120.5° | 0.7 | 0.8 | 0.8 | 0.9 | 0.5 | 0.5 | 0.5 | 0.8 | 0.6 | 0.4 | 0.5 |
| 121° | 0.7 | 0.8 | 0.8 | 1.0 | 0.5 | 0.5 | 0.5 | 0.8 | 0.6 | 0.4 | 0.5 |
| 121.5° | 0.7 | 0.8 | 0.7 | 0.9 | 0.5 | 0.4 | 0.5 | 0.8 | 0.7 | 0.8 | 0.5 |
| 122° | 0.8 | 0.8 | 0.8 | 0.9 | 0.4 | 0.4 | 0.6 | 0.9 | 0.6 | 0.5 | 0.5 |
| 122.5° | 0.8 | 0.9 | 0.8 | 0.9 | 0.6 | 0.4 | 0.6 | 0.9 | 0.6 | 0.5 | 0.6 |
| 123° | 0.8 | 0.8 | 0.8 | 0.9 | 0.5 | 0.7 | 0.6 | 0.9 | 0.7 | 0.5 | 0.6 |
| 123.5° | 0.8 | 1.0 | 0.8 | 0.9 | 0.6 | 0.7 | 0.6 | 0.9 | 0.7 | 0.6 | 0.6 |
| 124° | 0.9 | 1.0 | 1.0 | 0.9 | 0.5 | 0.7 | 0.6 | 0.5 | 0.7 | 0.5 | 0.6 |
| 124.5° | 0.9 | 0.9 | 1.0 | 0.9 | 0.6 | 0.7 | 0.6 | 0.7 | 0.7 | 0.6 | 0.8 |
| 125° | 0.8 | 0.9 | 0.9 | 0.9 | 0.6 | 0.7 | 0.5 | 0.7 | 0.7 | 0.6 | 0.7 |
| 125.5° | 0.8 | 0.9 | 1.0 | 0.9 | 0.6 | 0.7 | 0.5 | 0.7 | 0.7 | 0.6 | 0.7 |
| 126° | 0.8 | 0.9 | 1.0 | 0.9 | 0.7 | 0.7 | 0.6 | 0.7 | 0.7 | 0.7 | 0.7 |
| 126.5° | 0.9 | 0.9 | 1.0 | 0.9 | 0.5 | 0.7 | 0.5 | 0.7 | 0.7 | 0.7 | 0.7 |
| 127° | 0.9 | 1.0 | 1.1 | 0.9 | 0.7 | 0.6 | 0.7 | 0.7 | 0.7 | 0.6 | 0.6 |
| 127.5° | 0.9 | 1.0 | 1.1 | 0.9 | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 | 0.6 | 0.6 |
| 128° | 0.9 | 1.0 | 1.0 | 0.9 | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 | 0.5 | 0.6 |
| 128.5° | 0.9 | 1.0 | 1.0 | 0.9 | 0.6 | 0.5 | 0.7 | 0.7 | 0.7 | 0.5 | 0.6 |
| 129° | 0.9 | 1.0 | 1.0 | 0.9 | 0.6 | 0.5 | 0.7 | 0.7 | 0.8 | 0.5 | 0.6 |
| 129.5° | 0.9 | 1.0 | 1.0 | 0.9 | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 | 0.5 | 0.6 |
| 130° | 0.9 | 1.0 | 1.0 | 1.0 | 0.7 | 0.5 | 0.7 | 0.7 | 0.7 | 0.5 | 0.6 |
| 130.5° | 0.9 | 1.0 | 1.0 | 1.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.5 | 0.6 |
| 131° | 0.9 | 1.1 | 1.0 | 1.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.5 | 0.6 |
| 131.5° | 0.9 | 1.1 | 1.0 | 1.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.6 |
| 132° | 1.0 | 1.1 | 1.0 | 1.1 | 0.5 | 0.7 | 0.7 | 0.7 | 0.7 | 0.6 | 0.6 |
| 132.5° | 1.0 | 1.0 | 1.0 | 1.1 | 0.5 | 0.6 | 0.7 | 0.7 | 0.7 | 0.6 | 0.5 |
| 133° | 1.1 | 1.0 | 1.0 | 1.0 | 0.7 | 0.5 | 0.7 | 0.7 | 0.7 | 0.7 | 0.5 |
| 133.5° | 1.1 | 1.0 | 1.0 | 1.1 | 0.7 | 0.5 | 0.6 | 0.8 | 0.7 | 0.7 | 0.8 |



TEST NUMBER: P417438

CATALOG NUMBER: SMD6S129SWH - 3000K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 135° | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.8 | 0.7 | 0.9 | 0.7 | 0.7 | 0.5 |
| 135.5° | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.7 | 0.7 | 0.9 | 0.7 | 0.7 | 0.7 |
| 136° | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.6 |
| 136.5° | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.5 |
| 137° | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.6 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 |
| 137.5° | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.6 | 0.8 | 0.8 | 0.7 | 0.6 | 0.6 |
| 138° | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.7 | 0.8 | 0.8 | 0.7 | 0.6 | 0.6 |
| 138.5° | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.8 | 0.7 | 0.8 | 0.7 | 0.6 | 0.5 |
| 139° | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 |
| 139.5° | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 0.8 | 0.7 | 0.7 | 0.7 | 0.7 | 0.6 |
| 140° | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 0.7 | 0.7 | 0.6 | 0.7 | 0.7 | 0.7 |
| 140.5° | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.8 | 0.7 | 0.5 | 0.7 | 0.7 | 0.8 |
| 141° | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.8 | 0.7 | 1.0 | 0.7 | 0.6 | 0.8 |
| 141.5° | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.7 | 0.7 | 1.0 | 0.7 | 0.8 | 0.7 |
| 142° | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.7 | 0.8 | 1.0 | 0.7 | 0.8 | 0.7 |
| 142.5° | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.8 | 0.8 | 1.0 | 0.7 | 0.6 | 0.7 |
| 143° | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.8 | 0.8 | 1.0 | 0.8 | 0.6 | 0.9 |
| 143.5° | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.8 | 0.9 | 1.0 | 0.8 | 0.8 | 0.9 |
| 144° | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.8 | 1.0 | 1.1 | 0.8 | 0.8 | 0.8 |
| 144.5° | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.8 | 1.0 | 1.1 | 0.9 | 0.8 | 0.8 |
| 145° | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.8 | 1.0 | 1.1 | 1.0 | 0.9 | 0.8 |
| 145.5° | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.8 | 1.0 | 1.1 | 0.9 | 1.0 | 0.9 |
| 146° | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.8 | 1.0 | 1.1 | 0.9 | 1.0 | 1.0 |
| 146.5° | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.8 | 1.0 | 1.1 | 0.9 | 1.0 | 1.0 |
| 147° | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.7 | 1.0 | 1.2 | 0.9 | 1.0 | 1.0 |
| 147.5° | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.7 | 1.0 | 0.8 | 1.0 | 1.0 | 1.0 |
| 148° | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.7 | 1.0 | 0.7 | 1.0 | 1.0 | 1.0 |
| 148.5° | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.7 | 1.0 | 1.1 | 1.0 | 1.0 | 1.0 |
| 149° | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.7 | 1.0 | 1.1 | 1.0 | 0.9 | 1.0 |
| 149.5° | 1.0 | 1.1 | 1.0 | 1.0 | 0.9 | 0.8 | 1.0 | 0.9 | 1.1 | 0.9 | 1.0 |
| 150° | 1.0 | 1.1 | 1.0 | 1.0 | 0.8 | 0.8 | 1.0 | 1.0 | 1.1 | 1.0 | 1.0 |
| 150.5° | 1.0 | 1.7 | 1.0 | 1.0 | 0.8 | 0.8 | 1.0 | 1.0 | 1.0 | 0.8 | 1.1 |
| 151° | 1.0 | 1.4 | 1.0 | 1.0 | 0.9 | 0.8 | 1.0 | 1.0 | 1.0 | 0.8 | 1.1 |
| 151.5° | 1.0 | 1.4 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 |
| 152° | 1.0 | 1.3 | 1.0 | 1.2 | 0.9 | 0.8 | 1.0 | 0.9 | 1.1 | 0.9 | 1.2 |
| 152.5° | 1.0 | 1.3 | 1.0 | 1.1 | 1.0 | 0.9 | 1.0 | 0.9 | 1.1 | 0.8 | 1.2 |
| 153° | 1.0 | 1.3 | 1.0 | 1.1 | 0.9 | 1.0 | 1.0 | 1.0 | 1.1 | 0.9 | 1.1 |
| 153.5° | 1.0 | 1.3 | 1.0 | 1.1 | 0.8 | 1.0 | 1.0 | 1.0 | 1.2 | 1.0 | 1.2 |
| 154° | 1.0 | 1.3 | 1.0 | 1.1 | 0.9 | 1.0 | 1.0 | 0.9 | 1.2 | 1.0 | 1.2 |
| 154.5° | 1.0 | 1.3 | 1.0 | 1.1 | 0.9 | 1.0 | 1.0 | 0.9 | 1.2 | 0.8 | 1.2 |
| 155° | 1.0 | 1.3 | 1.0 | 1.1 | 0.9 | 1.1 | 1.0 | 0.9 | 1.2 | 1.0 | 1.2 |
| 155.5° | 1.0 | 1.3 | 1.0 | 1.1 | 0.9 | 1.0 | 1.0 | 0.8 | 1.2 | 1.2 | 1.2 |
| 156° | 1.0 | 1.3 | 1.0 | 1.2 | 0.9 | 1.1 | 1.0 | 0.9 | 1.2 | 1.1 | 1.3 |



TEST NUMBER: P417438

CATALOG NUMBER: SMD6S129SWH - 3000K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 157.5° | 1.4 | 1.3 | 1.0 | 1.2 | 1.0 | 1.2 | 1.0 | 1.2 | 1.2 | 1.1 | 1.2 |
| 158° | 1.4 | 1.3 | 1.1 | 1.4 | 1.0 | 1.2 | 1.0 | 1.2 | 1.2 | 1.1 | 1.2 |
| 158.5° | 1.4 | 1.3 | 1.1 | 1.5 | 1.0 | 1.2 | 1.3 | 1.2 | 1.2 | 1.1 | 1.2 |
| 159° | 1.4 | 1.3 | 1.1 | 1.4 | 1.0 | 1.2 | 1.3 | 1.2 | 1.2 | 1.1 | 1.2 |
| 159.5° | 1.4 | 1.3 | 1.1 | 1.4 | 1.0 | 1.2 | 1.2 | 1.4 | 1.4 | 1.1 | 1.3 |
| 160° | 1.4 | 1.3 | 1.1 | 1.4 | 1.0 | 1.4 | 1.2 | 1.3 | 1.4 | 1.2 | 1.3 |
| 160.5° | 1.4 | 1.3 | 1.1 | 1.4 | 1.2 | 1.4 | 1.2 | 1.3 | 1.1 | 1.1 | 1.3 |
| 161° | 1.4 | 1.3 | 1.1 | 1.4 | 1.2 | 1.3 | 1.2 | 1.4 | 1.2 | 1.1 | 1.4 |
| 161.5° | 1.4 | 1.3 | 1.1 | 1.4 | 1.1 | 1.3 | 1.2 | 1.6 | 1.2 | 1.3 | 1.5 |
| 162° | 1.4 | 1.3 | 1.1 | 1.4 | 1.1 | 1.3 | 1.4 | 1.4 | 1.4 | 1.2 | 1.5 |
| 162.5° | 1.4 | 1.3 | 1.1 | 1.4 | 1.1 | 1.4 | 1.4 | 1.4 | 1.4 | 1.3 | 1.6 |
| 163° | 1.4 | 1.3 | 1.1 | 1.4 | 1.2 | 1.4 | 1.4 | 1.4 | 1.4 | 1.2 | 1.4 |
| 163.5° | 1.4 | 1.3 | 1.1 | 1.4 | 1.2 | 1.4 | 1.4 | 1.4 | 1.6 | 1.2 | 1.3 |
| 164° | 1.4 | 1.3 | 1.1 | 1.4 | 1.3 | 1.4 | 1.4 | 1.4 | 1.6 | 1.4 | 1.3 |
| 164.5° | 1.4 | 1.3 | 1.1 | 1.4 | 1.2 | 1.6 | 1.5 | 1.5 | 1.5 | 1.4 | 1.4 |
| 165° | 1.4 | 1.3 | 1.1 | 1.4 | 1.2 | 1.6 | 1.5 | 1.6 | 1.5 | 1.4 | 1.3 |
| 165.5° | 1.4 | 1.3 | 1.1 | 1.5 | 1.4 | 1.6 | 1.4 | 1.6 | 1.5 | 1.4 | 1.3 |
| 166° | 1.4 | 1.3 | 1.1 | 1.5 | 1.4 | 1.6 | 1.4 | 1.6 | 1.5 | 1.4 | 1.3 |
| 166.5° | 1.4 | 1.3 | 1.1 | 1.5 | 1.4 | 1.6 | 1.4 | 1.6 | 1.6 | 1.4 | 1.3 |
| 167° | 1.4 | 1.3 | 1.1 | 1.5 | 1.4 | 1.7 | 1.4 | 1.6 | 1.6 | 1.4 | 1.3 |
| 167.5° | 1.4 | 1.3 | 1.2 | 1.5 | 1.4 | 1.6 | 1.4 | 1.6 | 1.6 | 1.4 | 1.3 |
| 168° | 1.4 | 1.3 | 1.2 | 1.5 | 1.4 | 1.6 | 1.4 | 1.6 | 1.6 | 1.4 | 1.3 |
| 168.5° | 1.4 | 1.3 | 1.2 | 1.5 | 1.4 | 1.6 | 1.4 | 1.6 | 1.6 | 1.4 | 1.3 |
| 169° | 1.4 | 1.3 | 1.2 | 1.5 | 1.6 | 1.6 | 1.4 | 1.6 | 1.6 | 1.4 | 1.3 |
| 169.5° | 1.4 | 1.3 | 1.2 | 1.5 | 1.5 | 1.6 | 1.4 | 1.6 | 1.6 | 1.4 | 1.3 |
| 170° | 1.4 | 1.3 | 1.2 | 1.5 | 1.5 | 1.6 | 1.4 | 1.6 | 1.6 | 1.4 | 1.3 |
| 170.5° | 1.4 | 1.3 | 1.2 | 1.5 | 1.5 | 1.6 | 1.4 | 1.6 | 1.6 | 1.4 | 1.3 |
| 171° | 1.4 | 1.3 | 1.2 | 1.5 | 1.6 | 1.6 | 1.5 | 1.6 | 1.6 | 1.4 | 1.3 |
| 171.5° | 1.4 | 1.3 | 1.2 | 1.5 | 1.4 | 1.6 | 1.5 | 1.6 | 1.6 | 1.4 | 1.3 |
| 172° | 1.4 | 1.3 | 1.2 | 1.5 | 1.4 | 1.6 | 1.7 | 1.6 | 1.6 | 1.4 | 1.3 |
| 172.5° | 1.4 | 1.3 | 1.2 | 1.5 | 1.4 | 1.6 | 1.7 | 1.6 | 1.6 | 1.4 | 1.3 |
| 173° | 1.4 | 1.3 | 1.2 | 1.5 | 1.4 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 | 1.3 |
| 173.5° | 1.4 | 1.3 | 1.2 | 1.5 | 1.4 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 | 1.3 |
| 174° | 1.4 | 1.3 | 1.2 | 1.6 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 | 1.3 |
| 174.5° | 1.4 | 1.3 | 1.2 | 1.7 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 | 1.3 |
| 175° | 1.4 | 1.3 | 1.2 | 1.6 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 | 1.3 |
| 175.5° | 1.4 | 1.3 | 1.2 | 1.6 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 | 1.3 |
| 176° | 1.4 | 1.3 | 1.2 | 1.6 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 | 1.3 |
| 176.5° | 1.4 | 1.3 | 1.2 | 1.7 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 | 1.3 |
| 177° | 1.4 | 1.3 | 1.2 | 1.6 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 | 1.3 |
| 177.5° | 1.4 | 1.3 | 1.2 | 1.7 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 | 1.3 |
| 178° | 1.4 | 1.3 | 1.2 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 | 1.3 |
| 178.5° | 1.4 | 1.3 | 1.2 | 1.6 | 1.4 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 | 1.3 |



TEST NUMBER: P417438

CATALOG NUMBER: SMD6S129SWH - 3000K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 180° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |



TEST NUMBER: P417438

CATALOG NUMBER: SMD6S129SWH - 3000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 0° | 423.0 | 423.0 | 423.0 | 423.0 | 423.0 | 423.0 |
| 0.5° | 423.1 | 423.0 | 422.8 | 423.1 | 423.1 | 422.9 |
| 1° | 423.1 | 423.0 | 423.0 | 423.1 | 423.2 | 422.9 |
| 1.5° | 423.0 | 423.0 | 423.0 | 423.3 | 423.2 | 423.0 |
| 2° | 423.1 | 423.1 | 423.0 | 423.2 | 423.1 | 423.0 |
| 2.5° | 423.0 | 423.0 | 423.0 | 423.2 | 423.1 | 422.8 |
| 3° | 423.0 | 423.1 | 423.0 | 423.2 | 422.9 | 422.6 |
| 3.5° | 422.8 | 423.1 | 423.0 | 423.2 | 422.8 | 422.2 |
| 4° | 422.6 | 423.0 | 423.0 | 422.8 | 422.4 | 421.8 |
| 4.5° | 422.4 | 422.9 | 422.6 | 422.7 | 422.2 | 421.5 |
| 5° | 422.1 | 422.6 | 422.4 | 422.3 | 421.8 | 421.1 |
| 5.5° | 421.7 | 422.3 | 422.1 | 421.9 | 421.3 | 420.7 |
| 6° | 421.5 | 421.9 | 421.8 | 421.6 | 420.9 | 420.2 |
| 6.5° | 421.2 | 421.4 | 421.4 | 421.1 | 420.6 | 419.8 |
| 7° | 420.6 | 421.1 | 420.9 | 420.7 | 420.0 | 419.2 |
| 7.5° | 420.1 | 420.7 | 420.4 | 420.2 | 419.6 | 418.6 |
| 8° | 419.7 | 420.2 | 419.9 | 419.6 | 418.8 | 418.1 |
| 8.5° | 419.2 | 419.7 | 419.3 | 418.9 | 418.3 | 417.6 |
| 9° | 418.7 | 419.1 | 418.7 | 418.3 | 417.5 | 416.8 |
| 9.5° | 418.0 | 418.3 | 418.0 | 417.7 | 416.9 | 416.0 |
| 10° | 417.6 | 417.9 | 417.2 | 417.0 | 416.1 | 415.3 |
| 10.5° | 417.0 | 417.0 | 416.6 | 416.2 | 415.4 | 414.5 |
| 11° | 416.2 | 416.4 | 416.0 | 415.4 | 414.5 | 413.6 |
| 11.5° | 415.4 | 415.6 | 415.2 | 414.4 | 413.8 | 412.7 |
| 12° | 414.7 | 414.7 | 414.2 | 413.8 | 412.9 | 411.7 |
| 12.5° | 413.8 | 413.8 | 413.3 | 412.9 | 412.1 | 411.0 |
| 13° | 412.9 | 413.0 | 412.5 | 411.9 | 411.2 | 410.0 |
| 13.5° | 412.1 | 412.3 | 411.5 | 411.2 | 410.3 | 409.0 |
| 14° | 411.2 | 411.3 | 410.6 | 410.0 | 409.1 | 407.9 |
| 14.5° | 410.2 | 410.3 | 409.6 | 409.0 | 408.1 | 406.7 |
| 15° | 409.2 | 409.5 | 408.7 | 407.8 | 407.0 | 405.8 |
| 15.5° | 408.1 | 408.4 | 407.5 | 406.6 | 405.8 | 404.6 |
| 16° | 407.2 | 407.2 | 406.5 | 405.6 | 404.5 | 403.5 |
| 16.5° | 406.2 | 406.1 | 405.3 | 404.5 | 403.4 | 402.1 |
| 17° | 404.9 | 405.3 | 404.2 | 403.3 | 402.2 | 401.0 |
| 17.5° | 403.8 | 403.8 | 403.1 | 402.1 | 400.9 | 399.8 |
| 18° | 402.6 | 402.7 | 401.8 | 401.0 | 399.7 | 398.6 |
| 18.5° | 401.4 | 401.5 | 400.4 | 399.6 | 398.3 | 397.2 |
| 19° | 400.0 | 400.2 | 399.3 | 398.4 | 396.9 | 395.9 |
| 19.5° | 399.0 | 399.0 | 397.9 | 397.1 | 395.6 | 394.5 |
| 20° | 397.6 | 397.6 | 396.6 | 395.7 | 394.2 | 393.0 |
| 20.5° | 396.2 | 396.5 | 395.0 | 394.3 | 392.8 | 391.5 |
| 21° | 394.8 | 395.0 | 393.7 | 392.8 | 391.3 | 390.2 |



TEST NUMBER: P417438

CATALOG NUMBER: SMD6S129SWH - 3000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 22.5° | 390.4 | 390.8 | 389.5 | 388.5 | 386.7 | 385.3 |
| 23° | 388.9 | 389.2 | 387.8 | 386.6 | 385.1 | 383.6 |
| 23.5° | 387.3 | 387.8 | 386.2 | 385.1 | 383.4 | 382.0 |
| 24° | 385.7 | 385.9 | 384.7 | 383.3 | 381.7 | 380.2 |
| 24.5° | 384.2 | 384.4 | 383.1 | 381.7 | 380.0 | 378.6 |
| 25° | 382.6 | 382.7 | 381.3 | 380.0 | 378.3 | 376.7 |
| 25.5° | 381.0 | 381.1 | 379.5 | 378.2 | 376.4 | 374.9 |
| 26° | 379.1 | 379.4 | 378.0 | 376.2 | 374.7 | 373.3 |
| 26.5° | 377.5 | 377.7 | 376.2 | 374.6 | 372.6 | 371.3 |
| 27° | 375.7 | 375.8 | 374.2 | 372.7 | 370.9 | 369.3 |
| 27.5° | 374.0 | 374.1 | 372.3 | 370.8 | 369.1 | 367.4 |
| 28° | 372.2 | 372.0 | 370.5 | 368.9 | 367.1 | 365.4 |
| 28.5° | 370.4 | 370.2 | 368.5 | 367.0 | 365.3 | 363.3 |
| 29° | 368.5 | 368.4 | 366.7 | 365.0 | 363.2 | 361.3 |
| 29.5° | 366.6 | 366.5 | 364.6 | 363.1 | 361.0 | 359.3 |
| 30° | 364.5 | 364.5 | 362.7 | 361.0 | 359.0 | 357.3 |
| 30.5° | 362.7 | 362.7 | 360.9 | 359.0 | 357.1 | 355.1 |
| 31° | 360.8 | 360.5 | 358.9 | 357.1 | 355.0 | 353.0 |
| 31.5° | 358.7 | 358.6 | 356.8 | 355.1 | 353.0 | 350.9 |
| 32° | 356.6 | 356.6 | 354.5 | 352.8 | 350.8 | 348.7 |
| 32.5° | 354.8 | 354.6 | 352.6 | 350.8 | 348.7 | 346.6 |
| 33° | 352.5 | 352.3 | 350.5 | 348.5 | 346.4 | 344.2 |
| 33.5° | 350.4 | 350.4 | 348.2 | 346.4 | 344.3 | 342.0 |
| 34° | 348.3 | 348.0 | 346.0 | 344.0 | 342.0 | 339.6 |
| 34.5° | 346.1 | 345.7 | 343.8 | 341.7 | 339.8 | 337.4 |
| 35° | 343.8 | 343.6 | 341.5 | 339.3 | 337.4 | 335.0 |
| 35.5° | 341.7 | 341.2 | 339.0 | 337.1 | 335.0 | 332.7 |
| 36° | 339.4 | 338.7 | 336.8 | 334.7 | 332.7 | 330.2 |
| 36.5° | 337.2 | 336.6 | 334.6 | 332.2 | 330.2 | 327.8 |
| 37° | 334.8 | 334.2 | 332.2 | 329.9 | 327.7 | 325.4 |
| 37.5° | 332.5 | 331.7 | 329.7 | 327.6 | 325.2 | 323.1 |
| 38° | 330.1 | 329.4 | 327.3 | 325.0 | 322.9 | 320.5 |
| 38.5° | 327.7 | 327.0 | 324.7 | 322.6 | 320.3 | 318.0 |
| 39° | 325.2 | 324.5 | 322.3 | 320.1 | 317.8 | 315.4 |
| 39.5° | 322.7 | 322.0 | 319.7 | 317.5 | 315.2 | 312.8 |
| 40° | 320.3 | 319.5 | 317.2 | 314.5 | 312.6 | 310.2 |
| 40.5° | 317.8 | 317.1 | 314.7 | 312.2 | 309.9 | 307.6 |
| 41° | 315.1 | 314.5 | 312.1 | 309.7 | 307.2 | 305.0 |
| 41.5° | 312.6 | 311.8 | 309.5 | 307.1 | 304.4 | 302.2 |
| 42° | 309.9 | 309.1 | 306.9 | 304.3 | 301.7 | 299.5 |
| 42.5° | 307.4 | 306.8 | 304.3 | 301.7 | 299.0 | 296.7 |
| 43° | 304.7 | 304.0 | 301.6 | 299.0 | 296.3 | 294.0 |
| 43.5° | 302.0 | 301.3 | 298.9 | 296.2 | 293.5 | 291.1 |



TEST NUMBER: P417438

CATALOG NUMBER: SMD6S129SWH - 3000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 45° | 293.9 | 293.0 | 290.5 | 288.0 | 285.0 | 282.9 |
| 45.5° | 291.2 | 290.4 | 287.8 | 285.2 | 282.3 | 279.9 |
| 46° | 288.6 | 287.8 | 284.9 | 282.3 | 279.4 | 277.1 |
| 46.5° | 285.9 | 284.9 | 282.1 | 279.5 | 276.6 | 274.1 |
| 47° | 282.9 | 282.0 | 279.3 | 276.7 | 273.5 | 271.3 |
| 47.5° | 280.0 | 279.5 | 276.4 | 273.5 | 270.5 | 268.0 |
| 48° | 277.1 | 276.3 | 273.6 | 270.6 | 267.6 | 265.1 |
| 48.5° | 274.4 | 273.4 | 270.6 | 267.6 | 264.8 | 262.0 |
| 49° | 271.3 | 270.6 | 267.7 | 264.7 | 261.6 | 259.0 |
| 49.5° | 268.4 | 267.5 | 264.5 | 261.6 | 258.7 | 255.9 |
| 50° | 265.3 | 264.3 | 261.6 | 258.5 | 255.7 | 252.7 |
| 50.5° | 262.4 | 261.3 | 258.6 | 255.7 | 252.6 | 249.5 |
| 51° | 259.5 | 258.3 | 255.6 | 252.6 | 249.6 | 246.6 |
| 51.5° | 256.5 | 255.3 | 252.6 | 249.5 | 246.4 | 243.4 |
| 52° | 253.4 | 252.4 | 249.6 | 246.3 | 243.1 | 240.2 |
| 52.5° | 250.4 | 249.1 | 246.3 | 243.3 | 240.1 | 237.2 |
| 53° | 247.2 | 245.9 | 243.3 | 240.2 | 236.9 | 234.0 |
| 53.5° | 244.0 | 242.6 | 240.1 | 236.9 | 233.7 | 230.6 |
| 54° | 240.9 | 239.7 | 237.0 | 233.8 | 230.5 | 227.4 |
| 54.5° | 237.8 | 236.5 | 233.8 | 230.6 | 227.3 | 224.2 |
| 55° | 234.7 | 233.3 | 230.7 | 227.4 | 223.9 | 221.0 |
| 55.5° | 231.6 | 230.0 | 227.4 | 224.2 | 220.7 | 217.7 |
| 56° | 228.3 | 226.8 | 224.1 | 221.0 | 217.5 | 214.5 |
| 56.5° | 225.0 | 223.6 | 221.1 | 217.7 | 214.3 | 211.3 |
| 57° | 221.8 | 220.5 | 217.8 | 214.6 | 211.0 | 208.0 |
| 57.5° | 218.6 | 217.2 | 214.7 | 211.4 | 207.8 | 204.7 |
| 58° | 215.4 | 214.0 | 211.4 | 208.1 | 204.6 | 201.4 |
| 58.5° | 212.1 | 210.8 | 208.1 | 204.8 | 201.3 | 198.0 |
| 59° | 208.8 | 207.7 | 205.0 | 201.5 | 197.9 | 194.7 |
| 59.5° | 205.5 | 204.3 | 201.6 | 198.2 | 194.4 | 191.4 |
| 60° | 202.0 | 201.0 | 198.3 | 194.8 | 190.9 | 188.0 |
| 60.5° | 198.7 | 197.6 | 194.9 | 191.5 | 187.7 | 184.5 |
| 61° | 195.5 | 194.3 | 191.6 | 188.0 | 184.3 | 181.3 |
| 61.5° | 192.2 | 191.0 | 188.2 | 184.7 | 180.8 | 177.9 |
| 62° | 188.8 | 187.7 | 184.8 | 181.0 | 177.5 | 174.4 |
| 62.5° | 185.4 | 184.2 | 181.3 | 177.8 | 174.0 | 170.8 |
| 63° | 182.1 | 180.8 | 177.9 | 174.3 | 170.6 | 167.4 |
| 63.5° | 178.7 | 177.5 | 174.4 | 170.8 | 167.2 | 163.8 |
| 64° | 175.3 | 174.0 | 171.1 | 167.4 | 163.7 | 160.4 |
| 64.5° | 172.0 | 170.6 | 167.5 | 163.9 | 160.2 | 157.0 |
| 65° | 168.5 | 167.1 | 164.2 | 160.3 | 156.8 | 153.6 |
| 65.5° | 165.0 | 163.7 | 160.7 | 157.0 | 153.4 | 150.1 |
| 66° | 161.6 | 160.2 | 157.2 | 153.6 | 149.8 | 146.5 |



TEST NUMBER: P417438

CATALOG NUMBER: SMD6S129SWH - 3000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 67.5° | 151.1 | 150.0 | 146.8 | 143.1 | 139.2 | 136.0 |
| 68° | 147.5 | 146.4 | 143.4 | 139.6 | 135.6 | 132.4 |
| 68.5° | 144.0 | 142.9 | 139.9 | 136.2 | 132.1 | 128.9 |
| 69° | 140.4 | 139.3 | 136.4 | 132.5 | 128.6 | 125.4 |
| 69.5° | 136.8 | 135.7 | 132.8 | 129.2 | 125.0 | 121.9 |
| 70° | 133.4 | 132.2 | 129.4 | 125.7 | 121.7 | 118.4 |
| 70.5° | 129.9 | 128.7 | 125.7 | 122.2 | 118.2 | 114.8 |
| 71° | 126.2 | 125.1 | 122.4 | 118.6 | 114.7 | 111.4 |
| 71.5° | 122.9 | 121.9 | 119.0 | 115.2 | 111.2 | 108.0 |
| 72° | 119.6 | 118.3 | 115.5 | 111.7 | 107.8 | 104.5 |
| 72.5° | 116.1 | 114.9 | 111.9 | 108.2 | 104.3 | 101.1 |
| 73° | 112.4 | 111.3 | 108.4 | 104.7 | 100.9 | 97.6 |
| 73.5° | 108.9 | 108.0 | 105.0 | 101.3 | 97.5 | 94.3 |
| 74° | 105.6 | 104.5 | 101.5 | 97.8 | 94.1 | 90.8 |
| 74.5° | 102.1 | 101.1 | 98.0 | 94.4 | 90.7 | 87.6 |
| 75° | 98.8 | 97.6 | 94.7 | 91.0 | 87.5 | 84.2 |
| 75.5° | 95.4 | 94.2 | 91.3 | 87.7 | 84.2 | 80.8 |
| 76° | 92.2 | 90.8 | 88.0 | 84.5 | 80.9 | 77.5 |
| 76.5° | 88.9 | 87.5 | 84.6 | 81.1 | 77.6 | 74.0 |
| 77° | 85.5 | 84.2 | 81.2 | 77.8 | 74.3 | 70.8 |
| 77.5° | 82.1 | 80.8 | 77.8 | 74.4 | 71.0 | 67.4 |
| 78° | 78.9 | 77.5 | 74.6 | 71.1 | 67.7 | 64.1 |
| 78.5° | 75.6 | 74.1 | 71.2 | 67.9 | 64.3 | 60.9 |
| 79° | 72.4 | 70.8 | 67.8 | 64.6 | 61.0 | 57.6 |
| 79.5° | 69.0 | 67.3 | 64.6 | 61.4 | 57.8 | 54.3 |
| 80° | 65.8 | 64.1 | 61.4 | 58.0 | 54.5 | 51.0 |
| 80.5° | 62.6 | 60.9 | 58.1 | 54.7 | 51.3 | 47.8 |
| 81° | 59.6 | 57.7 | 54.7 | 51.7 | 48.0 | 44.6 |
| 81.5° | 56.4 | 54.4 | 51.6 | 48.5 | 44.8 | 41.5 |
| 82° | 53.3 | 51.2 | 48.3 | 45.2 | 41.7 | 38.6 |
| 82.5° | 50.1 | 47.9 | 45.2 | 42.1 | 38.8 | 35.4 |
| 83° | 47.1 | 44.8 | 42.0 | 39.2 | 35.5 | 32.4 |
| 83.5° | 44.1 | 41.6 | 39.1 | 36.1 | 32.6 | 29.4 |
| 84° | 41.1 | 38.7 | 36.1 | 33.1 | 29.6 | 26.6 |
| 84.5° | 38.2 | 35.6 | 33.2 | 30.2 | 26.9 | 23.8 |
| 85° | 35.2 | 32.4 | 30.2 | 27.3 | 24.0 | 21.1 |
| 85.5° | 32.3 | 29.5 | 27.3 | 24.4 | 21.4 | 18.4 |
| 86° | 29.3 | 26.8 | 24.6 | 22.0 | 18.7 | 15.8 |
| 86.5° | 26.5 | 24.1 | 22.0 | 19.2 | 16.1 | 13.2 |
| 87° | 23.6 | 21.4 | 19.3 | 16.6 | 13.7 | 10.6 |
| 87.5° | 21.3 | 18.8 | 16.7 | 14.1 | 11.1 | 8.2 |
| 88° | 18.7 | 16.2 | 14.2 | 11.6 | 8.6 | 6.1 |
| 88.5° | 15.9 | 13.5 | 11.7 | 9.1 | 6.3 | 3.8 |



TEST NUMBER: P417438

CATALOG NUMBER: SMD6S129SWH - 3000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 90° | 8.4 | 6.5 | 4.9 | 2.4 | 0.8 | 0.7 |
| 90.5° | 6.2 | 4.5 | 2.9 | 1.0 | 0.7 | 0.6 |
| 91° | 4.2 | 2.3 | 1.2 | 0.6 | 0.6 | 0.6 |
| 91.5° | 2.1 | 0.9 | 0.6 | 0.6 | 0.6 | 0.6 |
| 92° | 0.5 | 0.7 | 0.6 | 0.5 | 0.5 | 0.6 |
| 92.5° | 0.2 | 0.7 | 0.7 | 0.5 | 0.6 | 0.6 |
| 93° | 0.2 | 0.6 | 0.7 | 0.5 | 0.5 | 0.6 |
| 93.5° | 0.1 | 0.6 | 0.6 | 0.5 | 0.5 | 0.6 |
| 94° | 0.1 | 0.6 | 0.6 | 0.5 | 0.5 | 0.5 |
| 94.5° | 0.1 | 0.5 | 0.6 | 0.5 | 0.5 | 0.5 |
| 95° | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 95.5° | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 96° | 0.2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 96.5° | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 97° | 0.2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 97.5° | 0.2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 98° | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 98.5° | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 99° | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 99.5° | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 100° | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 100.5° | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 101° | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 101.5° | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 102° | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 102.5° | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 103° | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 103.5° | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 104° | 0.2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 104.5° | 0.2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 105° | 0.2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 105.5° | 0.2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 106° | 0.2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 106.5° | 0.2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 107° | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 107.5° | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 108° | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 108.5° | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 109° | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 109.5° | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 110° | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 110.5° | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 111° | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |



TEST NUMBER: P417438

CATALOG NUMBER: SMD6S129SWH - 3000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 112.5° | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 113° | 0.6 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 113.5° | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 114° | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 114.5° | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 115° | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 115.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 116° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 116.5° | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 | 0.5 |
| 117° | 0.5 | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 |
| 117.5° | 0.3 | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 |
| 118° | 0.3 | 0.5 | 0.7 | 0.6 | 0.5 | 0.6 |
| 118.5° | 0.3 | 0.5 | 0.7 | 0.7 | 0.6 | 0.7 |
| 119° | 0.5 | 0.5 | 0.7 | 0.7 | 0.5 | 0.6 |
| 119.5° | 0.5 | 0.5 | 0.7 | 0.7 | 0.5 | 0.7 |
| 120° | 0.5 | 0.5 | 0.7 | 0.7 | 0.7 | 0.7 |
| 120.5° | 0.6 | 0.6 | 0.7 | 0.8 | 0.7 | 0.7 |
| 121° | 0.6 | 0.6 | 0.7 | 0.8 | 0.8 | 0.7 |
| 121.5° | 0.6 | 0.6 | 0.7 | 0.8 | 0.8 | 0.7 |
| 122° | 0.6 | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 |
| 122.5° | 0.4 | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 |
| 123° | 0.5 | 0.7 | 0.8 | 0.8 | 0.8 | 0.8 |
| 123.5° | 0.4 | 0.7 | 0.8 | 0.8 | 0.8 | 0.8 |
| 124° | 0.3 | 0.8 | 0.8 | 0.9 | 0.8 | 0.9 |
| 124.5° | 0.6 | 0.8 | 0.8 | 1.0 | 1.0 | 0.9 |
| 125° | 0.5 | 0.8 | 0.8 | 1.0 | 1.0 | 0.8 |
| 125.5° | 0.5 | 0.8 | 0.8 | 1.0 | 0.9 | 0.8 |
| 126° | 0.5 | 0.8 | 0.8 | 1.0 | 0.9 | 0.8 |
| 126.5° | 0.5 | 0.9 | 0.8 | 1.0 | 1.0 | 0.9 |
| 127° | 0.5 | 0.9 | 0.8 | 1.0 | 1.0 | 0.9 |
| 127.5° | 0.7 | 0.8 | 0.8 | 1.0 | 1.0 | 0.9 |
| 128° | 0.7 | 0.8 | 1.0 | 1.0 | 1.0 | 0.9 |
| 128.5° | 0.7 | 0.9 | 1.0 | 0.9 | 1.0 | 0.9 |
| 129° | 0.6 | 0.9 | 1.0 | 0.9 | 1.0 | 0.9 |
| 129.5° | 0.6 | 0.9 | 1.0 | 0.9 | 1.0 | 0.9 |
| 130° | 0.5 | 0.9 | 1.0 | 0.9 | 1.0 | 0.9 |
| 130.5° | 0.6 | 0.9 | 1.0 | 0.9 | 1.2 | 0.9 |
| 131° | 0.6 | 1.0 | 1.0 | 0.9 | 1.1 | 0.9 |
| 131.5° | 0.6 | 1.0 | 1.0 | 0.9 | 1.1 | 0.9 |
| 132° | 0.6 | 1.0 | 1.0 | 0.9 | 1.1 | 1.0 |
| 132.5° | 0.5 | 1.0 | 1.0 | 0.9 | 1.1 | 1.0 |
| 133° | 0.5 | 1.0 | 1.0 | 0.9 | 1.1 | 1.1 |
| 133.5° | 0.8 | 1.0 | 1.1 | 0.9 | 1.1 | 1.1 |



TEST NUMBER: P417438

CATALOG NUMBER: SMD6S129SWH - 3000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 135° | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 135.5° | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 136° | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 136.5° | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 137° | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 137.5° | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 138° | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 138.5° | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 139° | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 139.5° | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 140° | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 140.5° | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 141° | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 141.5° | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 142° | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 142.5° | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 143° | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 143.5° | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 144° | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 144.5° | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 145° | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 145.5° | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 146° | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 146.5° | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 147° | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 147.5° | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 148° | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 148.5° | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 149° | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 149.5° | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 150° | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 150.5° | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 151° | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 151.5° | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 152° | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 152.5° | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 153° | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 153.5° | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 154° | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 154.5° | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 155° | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 155.5° | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 156° | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |



TEST NUMBER: P417438

CATALOG NUMBER: SMD6S129SWH - 3000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 157.5° | 1.0 | 1.2 | 1.0 | 1.0 | 1.0 | 1.4 |
| 158° | 1.0 | 1.2 | 1.0 | 1.0 | 1.0 | 1.4 |
| 158.5° | 1.1 | 1.2 | 1.0 | 1.0 | 1.0 | 1.4 |
| 159° | 1.3 | 1.2 | 1.0 | 1.0 | 1.2 | 1.4 |
| 159.5° | 1.0 | 1.2 | 1.0 | 1.0 | 1.2 | 1.4 |
| 160° | 1.1 | 1.2 | 1.0 | 1.0 | 1.1 | 1.4 |
| 160.5° | 1.1 | 1.2 | 1.0 | 1.0 | 1.1 | 1.4 |
| 161° | 1.2 | 1.2 | 1.6 | 1.1 | 1.1 | 1.4 |
| 161.5° | 1.2 | 1.2 | 1.6 | 1.1 | 1.1 | 1.4 |
| 162° | 1.2 | 1.2 | 1.6 | 1.2 | 1.1 | 1.4 |
| 162.5° | 1.2 | 1.2 | 1.6 | 1.2 | 1.2 | 1.4 |
| 163° | 1.2 | 1.2 | 1.6 | 1.2 | 1.1 | 1.4 |
| 163.5° | 1.2 | 1.2 | 1.6 | 1.2 | 1.2 | 1.4 |
| 164° | 1.2 | 1.2 | 1.6 | 1.2 | 1.5 | 1.4 |
| 164.5° | 1.3 | 1.3 | 1.6 | 1.2 | 1.6 | 1.4 |
| 165° | 1.3 | 1.4 | 1.6 | 1.2 | 1.6 | 1.4 |
| 165.5° | 0.9 | 1.7 | 1.6 | 1.2 | 1.6 | 1.4 |
| 166° | 1.2 | 1.7 | 1.6 | 1.2 | 1.6 | 1.4 |
| 166.5° | 1.4 | 1.6 | 1.6 | 1.2 | 1.6 | 1.4 |
| 167° | 1.4 | 1.6 | 1.6 | 1.2 | 1.6 | 1.4 |
| 167.5° | 1.3 | 1.6 | 1.6 | 1.7 | 1.6 | 1.4 |
| 168° | 1.3 | 1.6 | 1.6 | 1.7 | 1.6 | 1.4 |
| 168.5° | 1.3 | 1.6 | 1.6 | 1.7 | 1.6 | 1.4 |
| 169° | 1.3 | 1.6 | 1.6 | 1.7 | 1.6 | 1.4 |
| 169.5° | 1.3 | 1.6 | 1.6 | 1.7 | 1.6 | 1.4 |
| 170° | 1.3 | 1.6 | 1.6 | 1.7 | 1.6 | 1.4 |
| 170.5° | 1.3 | 1.6 | 1.6 | 1.7 | 1.6 | 1.4 |
| 171° | 1.3 | 1.6 | 1.6 | 1.7 | 1.6 | 1.4 |
| 171.5° | 1.3 | 1.6 | 1.6 | 1.7 | 1.6 | 1.4 |
| 172° | 1.3 | 1.6 | 1.6 | 1.7 | 1.6 | 1.4 |
| 172.5° | 1.3 | 1.6 | 1.6 | 1.7 | 1.6 | 1.4 |
| 173° | 1.3 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 |
| 173.5° | 1.3 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 |
| 174° | 1.3 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 |
| 174.5° | 1.3 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 |
| 175° | 1.3 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 |
| 175.5° | 1.3 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 |
| 176° | 1.3 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 |
| 176.5° | 1.3 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 |
| 177° | 1.3 | 1.6 | 1.6 | 1.7 | 1.6 | 1.4 |
| 177.5° | 1.3 | 1.6 | 1.6 | 1.7 | 1.6 | 1.4 |
| 178° | 1.3 | 1.6 | 1.6 | 1.7 | 1.6 | 1.4 |
| 178.5° | 1.3 | 1.6 | 1.6 | 1.7 | 1.6 | 1.4 |



TEST NUMBER: P417438

CATALOG NUMBER: SMD6S129SWH - 3000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|------|--------|------|--------|------|--------|------|
| 180° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |



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







| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 21.5° | 388.5 | 386.0 | 385.1 | 384.6 | 385.6 | 385.5 | 386.8 | 388.5 | 390.4 | 391.6 | 392.6 |
| 22° | 386.9 | 384.5 | 383.4 | 382.9 | 384.0 | 384.1 | 385.3 | 386.9 | 388.9 | 390.1 | 391.1 |



| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 44° | 288.6 | 284.5 | 282.1 | 281.5 | 284.8 | 285.1 | 287.4 | 290.6 | 294.6 | 296.4 | 298.2 |
| 44.5° | 285.7 | 281.7 | 279.0 | 278.6 | 281.9 | 282.2 | 284.6 | 287.9 | 291.8 | 293.6 | 295.4 |



| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 66.5° | 142.9 | 138.5 | 135.5 | 134.6 | 137.7 | 138.9 | 142.1 | 146.8 | 152.0 | 154.5 | 156.3 |
| 67° | 139.5 | 134.9 | 132.0 | 131.1 | 134.2 | 135.3 | 138.8 | 143.3 | 148.6 | 151.2 | 153.1 |



| | | | | | | | | | | | |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| 89° | 1.6 | 0.7 | 0.7 | 0.6 | 0.3 | 0.8 | 3.2 | 6.2 | 9.3 | 11.7 | 12.9 |
| 89.5° | 0.7 | 0.6 | 0.7 | 0.7 | 0.3 | 0.3 | 1.0 | 4.2 | 7.0 | 9.2 | 10.5 |



| | | | | | | | | | | | |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 111.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.5 | 0.5 | 0.7 | 0.5 | 0.5 | 0.3 |
| 112° | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 | 0.5 | 0.5 | 0.7 | 0.5 | 0.4 | 0.3 |



| | | | | | | | | | | | |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 134° | 1.0 | 1.0 | 1.0 | 1.1 | 0.7 | 0.5 | 0.6 | 0.8 | 0.7 | 0.7 | 0.5 |
| 134.5° | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.7 | 0.7 | 0.8 | 0.7 | 0.7 | 0.5 |



| | | | | | | | | | | | |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 156.5° | 1.1 | 1.3 | 1.0 | 1.1 | 1.1 | 1.2 | 1.0 | 0.9 | 1.2 | 1.1 | 1.3 |
| 157° | 1.1 | 1.3 | 1.0 | 1.2 | 1.0 | 1.2 | 1.0 | 0.9 | 1.2 | 1.1 | 1.2 |



| | | | | | | | | | | | |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 179° | 1.4 | 1.3 | 1.2 | 1.4 | 1.4 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 | 1.3 |
| 179.5° | 1.4 | 1.3 | 1.2 | 1.9 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 | 1.3 |





| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 21.5° | 393.4 | 393.5 | 392.1 | 391.3 | 389.9 | 388.5 |
| 22° | 391.8 | 392.2 | 390.9 | 389.9 | 388.3 | 386.9 |



| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 44° | 299.4 | 298.7 | 296.2 | 293.4 | 290.7 | 288.6 |
| 44.5° | 296.7 | 295.8 | 293.2 | 290.8 | 288.0 | 285.7 |



| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 66.5° | 158.2 | 156.9 | 153.8 | 150.2 | 146.2 | 142.9 |
| 67° | 154.7 | 153.4 | 150.4 | 146.5 | 142.7 | 139.5 |



| | | | | | | |
|-------|------|------|-----|-----|-----|-----|
| 89° | 13.4 | 11.2 | 9.3 | 6.8 | 4.3 | 1.6 |
| 89.5° | 10.9 | 8.7 | 7.0 | 4.5 | 2.0 | 0.7 |



| | | | | | | |
|--------|-----|-----|-----|-----|-----|-----|
| 111.5° | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 112° | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |



| | | | | | | |
|--------|-----|-----|-----|-----|-----|-----|
| 134° | 0.5 | 1.0 | 1.1 | 0.9 | 1.1 | 1.0 |
| 134.5° | 0.6 | 1.0 | 1.0 | 0.9 | 1.0 | 1.0 |



| | | | | | | |
|--------|-----|-----|-----|-----|-----|-----|
| 156.5° | 1.0 | 1.2 | 1.0 | 1.0 | 1.0 | 1.1 |
| 157° | 0.9 | 1.2 | 1.0 | 1.0 | 1.0 | 1.1 |



| | | | | | | |
|--------|-----|-----|-----|-----|-----|-----|
| 179° | 1.2 | 1.6 | 1.6 | 1.7 | 1.6 | 1.4 |
| 179.5° | 1.2 | 1.6 | 1.6 | 1.7 | 1.6 | 1.4 |



(END OF REPORT)