

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

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P600853

Luminaire Tested: **4SLSTPSLC-347-LO-3500K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (220317012-01-002)
Test Lab: INNOVATION CENTER
Issue Date: 7/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SLSTPSLC-347-LO-3500K
Description: G3 4ft 4SLSTPSLC-347 18W at 3500K
Light Source: -
Ballast/Driver: -

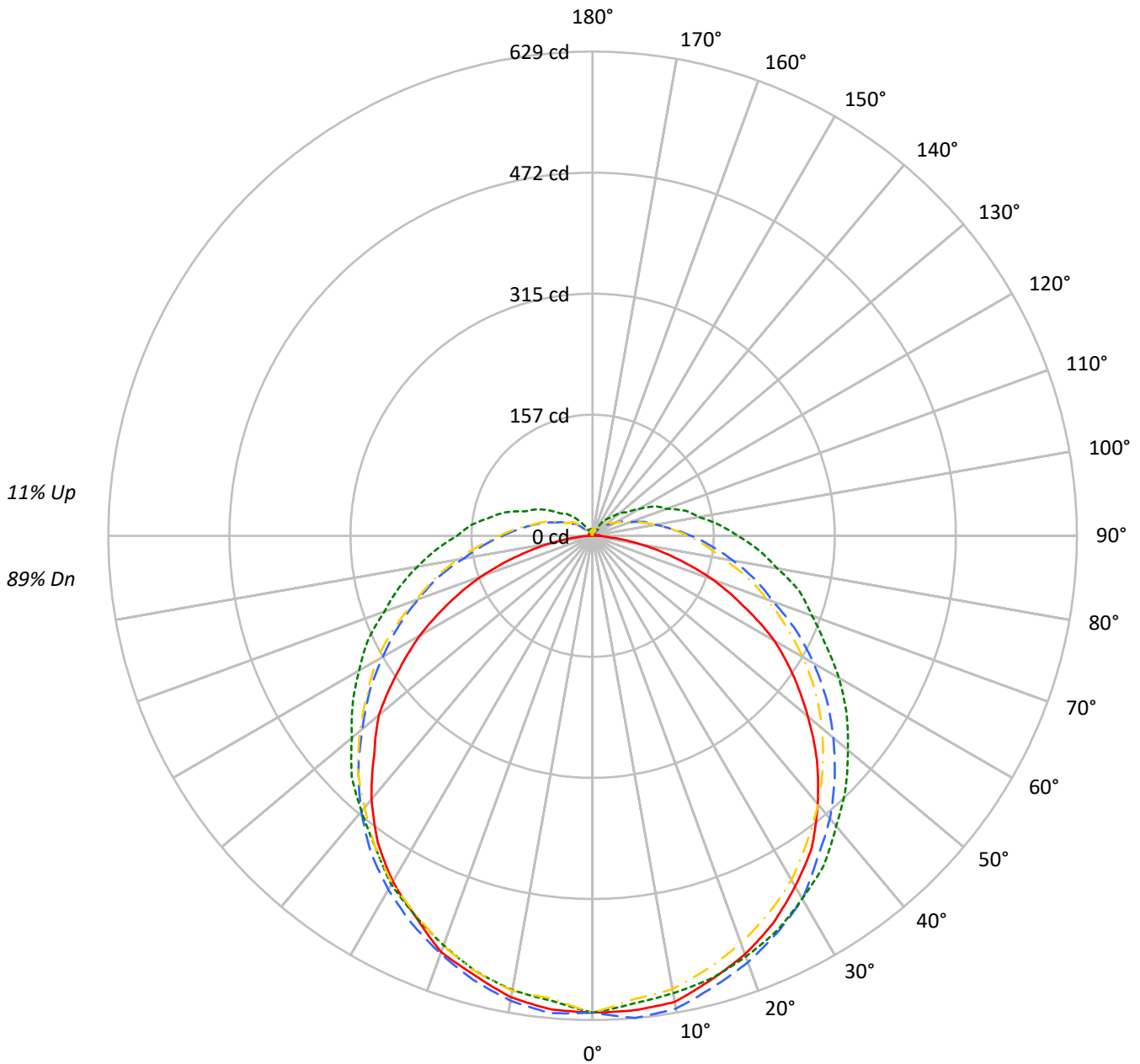
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2338.8 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.22' x L: 4' x H: 0.22')
CIE Type: Semi-Direct

Input Watts (W): 18.4
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: P600853
CATALOG NUMBER: 4SLSTPSLC-347-LO-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P600853

CATALOG NUMBER: 4SLSTPSLC-347-LO-3500K

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 | 116 | 116 | 116 | 116 | 112 | 112 | 112 | 112 | 105 | 105 | 105 | 98 | 98 | 98 | 92 | 92 | 92 | 89 | | | | | | | | | | | | | | | | | | | |
| 1 | 104 | 98 | 93 | 88 | 100 | 95 | 90 | 86 | 88 | 85 | 81 | 83 | 80 | 77 | 77 | 75 | 73 | 70 | | | | | | | | | | | | | | | | | | | |
| 2 | 94 | 84 | 77 | 70 | 90 | 82 | 75 | 69 | 76 | 70 | 65 | 71 | 66 | 62 | 67 | 63 | 59 | 56 | | | | | | | | | | | | | | | | | | | |
| 3 | 85 | 73 | 65 | 58 | 81 | 71 | 63 | 56 | 66 | 60 | 54 | 62 | 56 | 52 | 58 | 53 | 49 | 47 | | | | | | | | | | | | | | | | | | | |
| 4 | 77 | 65 | 55 | 48 | 74 | 63 | 54 | 47 | 59 | 51 | 45 | 55 | 49 | 44 | 52 | 46 | 42 | 39 | | | | | | | | | | | | | | | | | | | |
| 5 | 71 | 58 | 48 | 41 | 68 | 56 | 47 | 40 | 52 | 45 | 39 | 49 | 43 | 38 | 46 | 41 | 36 | 34 | | | | | | | | | | | | | | | | | | | |
| 6 | 65 | 52 | 42 | 36 | 63 | 50 | 41 | 35 | 47 | 40 | 34 | 44 | 38 | 33 | 42 | 36 | 32 | 29 | | | | | | | | | | | | | | | | | | | |
| 7 | 61 | 47 | 38 | 31 | 58 | 45 | 37 | 31 | 43 | 35 | 30 | 40 | 34 | 29 | 38 | 32 | 28 | 26 | | | | | | | | | | | | | | | | | | | |
| 8 | 56 | 42 | 34 | 28 | 54 | 41 | 33 | 27 | 39 | 32 | 27 | 37 | 30 | 26 | 35 | 29 | 25 | 23 | | | | | | | | | | | | | | | | | | | |
| 9 | 53 | 39 | 31 | 25 | 51 | 38 | 30 | 24 | 36 | 29 | 24 | 34 | 28 | 23 | 32 | 27 | 22 | 20 | | | | | | | | | | | | | | | | | | | |
| 10 | 49 | 36 | 28 | 22 | 47 | 35 | 27 | 22 | 33 | 26 | 22 | 31 | 25 | 21 | 30 | 24 | 20 | 18 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|------|------|------|------|
| 0° | 7733 | 7733 | 7733 | 7733 |
| 5° | 7718 | 7028 | 7703 | 6986 |
| 10° | 7720 | 6499 | 7646 | 6455 |
| 15° | 7602 | 6066 | 7532 | 5968 |
| 20° | 7539 | 5662 | 7496 | 5509 |
| 25° | 7458 | 5315 | 7325 | 5112 |
| 30° | 7353 | 4969 | 7254 | 4773 |
| 35° | 7282 | 4684 | 7141 | 4409 |
| 40° | 7092 | 4356 | 6966 | 4133 |
| 45° | 6899 | 4096 | 6720 | 3900 |
| 50° | 6656 | 3828 | 6613 | 3610 |
| 55° | 6442 | 3602 | 6244 | 3406 |
| 60° | 6228 | 3369 | 5906 | 3194 |
| 65° | 5723 | 3126 | 5421 | 3021 |
| 70° | 5257 | 2946 | 4859 | 2795 |
| 75° | 4431 | 2829 | 3966 | 2647 |
| 80° | 3439 | 2614 | 2977 | 2481 |
| 85° | 1806 | 2494 | 1576 | 2336 |



TEST NUMBER: P600853

CATALOG NUMBER: 4SLSTPSLC-347-LO-3500K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 58.6 | 2.5 |
| 10°-20° | 168.2 | 7.2 |
| 20°-30° | 256.3 | 11.0 |
| 30°-40° | 313.5 | 13.4 |
| 40°-50° | 333.9 | 14.3 |
| 50°-60° | 318.7 | 13.6 |
| 60°-70° | 274.3 | 11.7 |
| 70°-80° | 211.2 | 9.0 |
| 80°-90° | 147.5 | 6.3 |
| 90°-100° | 100.4 | 4.3 |
| 100°-110° | 66.8 | 2.9 |
| 110°-120° | 41.9 | 1.8 |
| 120°-130° | 24.9 | 1.1 |
| 130°-140° | 12.9 | 0.6 |
| 140°-150° | 5.1 | 0.2 |
| 150°-160° | 2.8 | 0.1 |
| 160°-170° | 1.6 | 0.1 |
| 170°-180° | 0.4 | 0.0 |
| 0°-30° | 483.0 | 20.7 |
| 0°-40° | 796.5 | 34.1 |
| 0°-60° | 1449.2 | 62.0 |
| 0°-90° | 2082.1 | 89.0 |
| 90°-120° | 209.1 | 8.9 |
| 90°-150° | 251.9 | 10.8 |
| 90°-180° | 257.0 | 11.0 |
| 0°-180° | 2338.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0° | 619 | 619 | 619 | 619 | 619 | |
| 5° | 619 | 610 | 618 | 606 | 619 | 59 |
| 15° | 597 | 596 | 591 | 586 | 597 | 169 |
| 25° | 555 | 566 | 545 | 545 | 555 | 256 |
| 35° | 496 | 523 | 486 | 492 | 496 | 309 |
| 45° | 412 | 465 | 401 | 442 | 412 | 317 |
| 55° | 319 | 403 | 309 | 381 | 319 | 285 |
| 65° | 216 | 333 | 205 | 322 | 216 | 216 |
| 75° | 110 | 278 | 99 | 260 | 110 | 118 |
| 85° | 20 | 217 | 18 | 203 | 20 | 27 |
| 90° | 5 | 188 | 2 | 176 | 5 | 5 |
| 95° | 9 | 165 | 0 | 158 | 9 | 3 |
| 105° | 1 | 126 | 2 | 118 | 1 | 1 |
| 115° | 2 | 90 | 4 | 81 | 2 | 3 |
| 125° | 3 | 53 | 2 | 50 | 3 | 3 |
| 135° | 4 | 34 | 2 | 33 | 4 | 3 |
| 145° | 3 | 22 | 3 | 3 | 3 | 2 |
| 155° | 2 | 2 | 1 | 5 | 2 | 1 |
| 165° | 3 | 6 | 4 | 8 | 3 | 1 |
| 175° | 4 | 2 | 2 | 5 | 4 | 0 |
| 180° | 4 | 4 | 4 | 4 | 4 | |



TEST NUMBER: P600853

CATALOG NUMBER: 4SLSTPSLC-347-LO-3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 15° | 30° | 45° | 60° | 75° | 90° | 105° | 120° | 135° | 150° |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 619.4 | 619.4 | 619.4 | 619.4 | 619.4 | 619.4 | 619.4 | 619.4 | 619.4 | 619.4 | 619.4 |
| 5° | 618.8 | 624.2 | 608.7 | 628.8 | 626.8 | 619.8 | 610.0 | 612.7 | 614.4 | 604.5 | 617.1 |
| 10° | 614.8 | 613.9 | 600.9 | 623.7 | 618.7 | 612.7 | 603.3 | 608.4 | 606.0 | 597.9 | 611.3 |
| 15° | 596.7 | 604.4 | 593.6 | 606.6 | 607.2 | 605.4 | 595.5 | 594.8 | 592.7 | 581.6 | 597.5 |
| 20° | 578.6 | 583.0 | 575.8 | 589.7 | 593.2 | 593.5 | 581.8 | 580.0 | 575.5 | 563.2 | 573.0 |
| 25° | 555.1 | 559.3 | 553.1 | 568.3 | 569.2 | 570.8 | 566.3 | 554.5 | 554.6 | 541.1 | 547.4 |
| 30° | 526.0 | 530.5 | 524.8 | 545.1 | 547.1 | 546.7 | 544.3 | 536.8 | 532.7 | 516.4 | 523.1 |
| 35° | 495.9 | 496.5 | 500.7 | 509.4 | 518.4 | 523.8 | 523.2 | 512.6 | 506.2 | 485.4 | 483.9 |
| 40° | 454.9 | 457.4 | 465.4 | 479.5 | 485.9 | 491.3 | 492.2 | 485.9 | 473.9 | 455.5 | 449.7 |
| 45° | 411.9 | 414.7 | 430.7 | 444.6 | 455.2 | 466.1 | 464.7 | 456.0 | 445.3 | 422.9 | 411.6 |
| 50° | 364.8 | 370.6 | 389.9 | 408.1 | 423.3 | 429.7 | 432.7 | 425.4 | 411.0 | 388.6 | 366.0 |
| 55° | 318.8 | 324.0 | 350.7 | 370.9 | 386.4 | 400.5 | 402.6 | 391.9 | 375.3 | 353.3 | 323.4 |
| 60° | 272.8 | 277.5 | 302.0 | 331.4 | 350.6 | 368.0 | 369.4 | 362.8 | 336.4 | 314.8 | 284.2 |
| 65° | 216.2 | 234.7 | 260.2 | 291.6 | 313.7 | 339.2 | 333.4 | 327.7 | 306.6 | 276.6 | 239.5 |
| 70° | 165.4 | 183.3 | 215.9 | 249.1 | 283.8 | 303.0 | 303.1 | 298.3 | 275.6 | 240.5 | 203.1 |
| 75° | 110.4 | 139.4 | 178.1 | 218.0 | 251.2 | 271.2 | 278.2 | 267.2 | 238.5 | 208.0 | 162.2 |
| 80° | 62.5 | 87.7 | 139.5 | 184.8 | 217.3 | 236.5 | 243.2 | 237.7 | 206.7 | 170.7 | 131.2 |
| 85° | 20.4 | 60.5 | 107.6 | 154.8 | 189.8 | 213.3 | 217.0 | 204.3 | 183.6 | 147.5 | 97.1 |
| 90° | 5.0 | 34.7 | 81.3 | 127.8 | 160.8 | 182.1 | 188.4 | 181.6 | 158.1 | 123.4 | 74.6 |
| 95° | 9.0 | 24.7 | 64.0 | 102.1 | 138.7 | 156.0 | 164.6 | 160.3 | 135.5 | 101.9 | 61.4 |
| 100° | 0.7 | 10.2 | 47.1 | 83.0 | 116.3 | 134.8 | 140.0 | 139.0 | 116.6 | 82.1 | 44.5 |
| 105° | 1.1 | 14.5 | 32.7 | 69.7 | 95.4 | 119.0 | 125.5 | 116.3 | 95.2 | 66.1 | 29.4 |
| 110° | 2.1 | 7.5 | 21.9 | 51.2 | 81.5 | 98.6 | 102.3 | 98.2 | 80.3 | 53.0 | 24.9 |
| 115° | 2.3 | 6.2 | 22.0 | 44.3 | 62.6 | 80.5 | 90.5 | 76.2 | 60.4 | 42.9 | 22.7 |
| 120° | 3.9 | 6.6 | 17.0 | 34.2 | 54.6 | 57.9 | 69.9 | 64.6 | 49.4 | 33.3 | 18.6 |
| 125° | 3.0 | 5.6 | 16.1 | 26.7 | 38.5 | 50.8 | 53.1 | 51.4 | 42.2 | 28.3 | 13.5 |
| 130° | 2.0 | 6.7 | 10.7 | 20.0 | 35.5 | 45.2 | 45.5 | 42.4 | 33.7 | 27.9 | 7.2 |
| 135° | 3.9 | 5.9 | 8.2 | 16.0 | 29.4 | 33.7 | 33.9 | 34.3 | 28.2 | 20.5 | 5.8 |
| 140° | 4.4 | 5.5 | 5.8 | 7.9 | 19.0 | 26.3 | 28.0 | 24.0 | 24.5 | 12.1 | 6.4 |
| 145° | 3.4 | 6.4 | 9.5 | 5.2 | 9.9 | 20.5 | 22.0 | 23.1 | 15.3 | 4.0 | 8.6 |
| 150° | 0.0 | 5.8 | 10.7 | 6.6 | 6.0 | 4.6 | 6.7 | 6.0 | 3.5 | 7.5 | 11.5 |
| 155° | 2.3 | 2.0 | 9.1 | 6.6 | 7.2 | 3.2 | 1.6 | 5.4 | 5.0 | 7.9 | 9.0 |
| 160° | 2.4 | 2.5 | 3.5 | 4.2 | 7.5 | 7.6 | 8.4 | 12.1 | 7.8 | 9.1 | 3.5 |
| 165° | 2.7 | 4.7 | 3.0 | 3.9 | 8.3 | 4.4 | 6.2 | 9.7 | 6.3 | 3.5 | 6.4 |
| 170° | 2.7 | 5.1 | 1.1 | 1.5 | 4.2 | 3.1 | 7.6 | 5.0 | 6.8 | 4.4 | 3.1 |
| 175° | 3.8 | 5.2 | 3.8 | 3.4 | 7.0 | 5.6 | 1.9 | 0.4 | 4.0 | 8.7 | 0.0 |
| 180° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |



TEST NUMBER: P600853

CATALOG NUMBER: 4SLSTPSLC-347-LO-3500K

CANDELA DISTRIBUTION (continued):

| | 165° | 180° | 195° | 210° | 225° | 240° | 255° | 270° | 285° | 300° | 315° |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 619.4 | 619.4 | 619.4 | 619.4 | 619.4 | 619.4 | 619.4 | 619.4 | 619.4 | 619.4 | 619.4 |
| 5° | 611.2 | 617.6 | 623.0 | 613.2 | 622.5 | 623.5 | 622.7 | 606.4 | 614.0 | 612.8 | 603.2 |
| 10° | 608.0 | 608.9 | 611.9 | 601.3 | 613.3 | 614.7 | 616.4 | 599.3 | 605.4 | 607.4 | 600.3 |
| 15° | 588.9 | 591.2 | 599.9 | 586.5 | 597.5 | 600.6 | 600.6 | 585.9 | 593.6 | 589.6 | 586.3 |
| 20° | 576.6 | 575.3 | 579.0 | 569.2 | 577.5 | 578.7 | 586.0 | 566.1 | 579.0 | 577.8 | 566.9 |
| 25° | 548.7 | 545.2 | 548.7 | 548.7 | 555.7 | 560.1 | 565.7 | 544.7 | 559.2 | 555.3 | 542.5 |
| 30° | 523.2 | 518.9 | 520.1 | 522.0 | 530.6 | 533.0 | 543.9 | 522.9 | 535.7 | 531.1 | 520.7 |
| 35° | 489.1 | 486.3 | 485.4 | 493.3 | 502.2 | 503.8 | 515.2 | 492.5 | 508.6 | 500.0 | 492.5 |
| 40° | 446.8 | 446.8 | 448.6 | 460.3 | 467.3 | 476.7 | 488.9 | 467.0 | 480.8 | 472.0 | 460.6 |
| 45° | 409.3 | 401.2 | 400.2 | 419.4 | 430.3 | 441.9 | 454.1 | 442.5 | 451.1 | 438.3 | 431.3 |
| 50° | 362.0 | 362.4 | 355.2 | 373.4 | 390.2 | 407.5 | 419.5 | 408.1 | 417.9 | 409.1 | 394.3 |
| 55° | 314.7 | 309.0 | 307.1 | 333.3 | 353.8 | 376.8 | 384.8 | 380.6 | 385.3 | 380.0 | 356.9 |
| 60° | 265.0 | 258.7 | 263.6 | 291.9 | 314.5 | 341.9 | 353.4 | 350.2 | 346.0 | 338.4 | 324.2 |
| 65° | 217.3 | 204.8 | 216.2 | 248.5 | 278.2 | 305.1 | 317.9 | 322.3 | 317.1 | 306.1 | 284.2 |
| 70° | 163.9 | 152.9 | 168.5 | 202.9 | 240.5 | 268.1 | 283.1 | 287.6 | 284.5 | 269.9 | 243.8 |
| 75° | 116.8 | 98.8 | 122.9 | 165.8 | 207.6 | 234.3 | 253.2 | 260.3 | 252.8 | 241.4 | 211.1 |
| 80° | 79.7 | 54.1 | 82.2 | 129.3 | 169.7 | 205.1 | 222.5 | 230.8 | 224.1 | 204.9 | 178.0 |
| 85° | 51.1 | 17.8 | 51.0 | 96.0 | 141.9 | 177.6 | 194.7 | 203.3 | 197.0 | 180.4 | 147.0 |
| 90° | 27.6 | 2.0 | 32.7 | 75.0 | 116.7 | 148.2 | 172.2 | 176.0 | 170.9 | 150.2 | 121.2 |
| 95° | 19.0 | 0.1 | 18.9 | 52.6 | 96.2 | 128.4 | 147.4 | 158.4 | 151.2 | 129.8 | 99.9 |
| 100° | 11.8 | 4.8 | 11.8 | 41.7 | 79.5 | 108.6 | 125.7 | 135.7 | 127.7 | 107.8 | 80.5 |
| 105° | 10.5 | 2.5 | 11.0 | 33.9 | 64.6 | 88.0 | 106.9 | 117.8 | 109.3 | 92.9 | 67.7 |
| 110° | 7.8 | 1.2 | 5.6 | 25.2 | 50.6 | 78.1 | 88.4 | 92.4 | 91.7 | 75.8 | 54.5 |
| 115° | 6.3 | 4.4 | 0.0 | 22.3 | 41.4 | 62.1 | 71.2 | 81.3 | 77.0 | 60.6 | 38.9 |
| 120° | 4.8 | 5.6 | 5.2 | 12.5 | 30.3 | 50.6 | 58.3 | 66.3 | 58.3 | 51.9 | 33.3 |
| 125° | 7.4 | 2.4 | 8.7 | 3.9 | 27.8 | 43.6 | 50.6 | 50.4 | 50.8 | 42.0 | 31.1 |
| 130° | 4.4 | 0.7 | 9.3 | 2.1 | 12.3 | 31.8 | 40.1 | 44.5 | 41.8 | 34.1 | 18.4 |
| 135° | 5.6 | 2.3 | 5.5 | 6.6 | 5.4 | 20.0 | 35.4 | 33.4 | 35.5 | 25.2 | 3.5 |
| 140° | 2.3 | 1.9 | 6.0 | 5.5 | 4.0 | 3.1 | 9.8 | 21.5 | 13.0 | 0.4 | 2.5 |
| 145° | 8.2 | 3.2 | 7.5 | 10.1 | 5.2 | 7.0 | 5.6 | 2.7 | 6.6 | 0.1 | 0.8 |
| 150° | 6.3 | 0.0 | 5.1 | 10.6 | 6.0 | 3.0 | 1.2 | 1.1 | 0.0 | 2.4 | 5.1 |
| 155° | 5.8 | 1.1 | 9.5 | 9.9 | 6.3 | 11.7 | 7.2 | 4.6 | 7.4 | 8.4 | 6.6 |
| 160° | 6.3 | 3.1 | 5.0 | 8.7 | 9.3 | 8.2 | 10.1 | 8.9 | 7.0 | 8.2 | 6.7 |
| 165° | 8.0 | 3.6 | 2.5 | 7.9 | 7.5 | 7.5 | 6.4 | 7.9 | 5.8 | 7.5 | 2.7 |
| 170° | 4.4 | 4.4 | 7.6 | 4.4 | 8.9 | 7.0 | 8.7 | 5.0 | 4.8 | 4.2 | 5.0 |
| 175° | 3.2 | 2.0 | 4.8 | 3.6 | 5.2 | 4.3 | 6.2 | 5.1 | 5.5 | 3.9 | 7.9 |
| 180° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |



TEST NUMBER: P600853

CATALOG NUMBER: 4SLSTPSLC-347-LO-3500K

CANDELA DISTRIBUTION (continued):

| | 330° | 345° | 360° |
|------|-------|-------|-------|
| 0° | 619.4 | 619.4 | 619.4 |
| 5° | 619.5 | 613.9 | 618.8 |
| 10° | 608.4 | 608.4 | 614.8 |
| 15° | 593.9 | 599.0 | 596.7 |
| 20° | 577.5 | 579.3 | 578.6 |
| 25° | 556.1 | 556.1 | 555.1 |
| 30° | 527.8 | 529.1 | 526.0 |
| 35° | 498.8 | 497.5 | 495.9 |
| 40° | 458.8 | 459.8 | 454.9 |
| 45° | 422.4 | 423.0 | 411.9 |
| 50° | 381.0 | 377.4 | 364.8 |
| 55° | 337.6 | 331.2 | 318.8 |
| 60° | 296.1 | 278.3 | 272.8 |
| 65° | 255.1 | 231.2 | 216.2 |
| 70° | 211.4 | 185.8 | 165.4 |
| 75° | 169.5 | 132.1 | 110.4 |
| 80° | 134.1 | 92.7 | 62.5 |
| 85° | 105.2 | 54.7 | 20.4 |
| 90° | 81.1 | 35.1 | 5.0 |
| 95° | 60.2 | 17.7 | 9.0 |
| 100° | 44.7 | 11.4 | 0.7 |
| 105° | 32.6 | 10.5 | 1.1 |
| 110° | 24.0 | 6.4 | 2.1 |
| 115° | 23.3 | 7.4 | 2.3 |
| 120° | 14.9 | 6.2 | 3.9 |
| 125° | 4.7 | 9.0 | 3.0 |
| 130° | 1.3 | 2.3 | 2.0 |
| 135° | 7.4 | 5.2 | 3.9 |
| 140° | 7.5 | 4.8 | 4.4 |
| 145° | 6.8 | 8.0 | 3.4 |
| 150° | 4.7 | 7.0 | 0.0 |
| 155° | 7.5 | 5.0 | 2.3 |
| 160° | 3.9 | 3.5 | 2.4 |
| 165° | 6.3 | 5.1 | 2.7 |
| 170° | 6.4 | 3.0 | 2.7 |
| 175° | 1.9 | 2.5 | 3.8 |
| 180° | 3.8 | 3.8 | 3.8 |



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)