

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: P600848

Luminaire Tested: **2SLSTPSC-UNV-4000K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (220317012-01-001)
Test Lab: INNOVATION CENTER
Issue Date: 7/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SLSTPSC-UNV-4000K
Description: G3 2ft 2SLSTPSC-UNV at 4000K
Light Source: -
Ballast/Driver: -

Summary

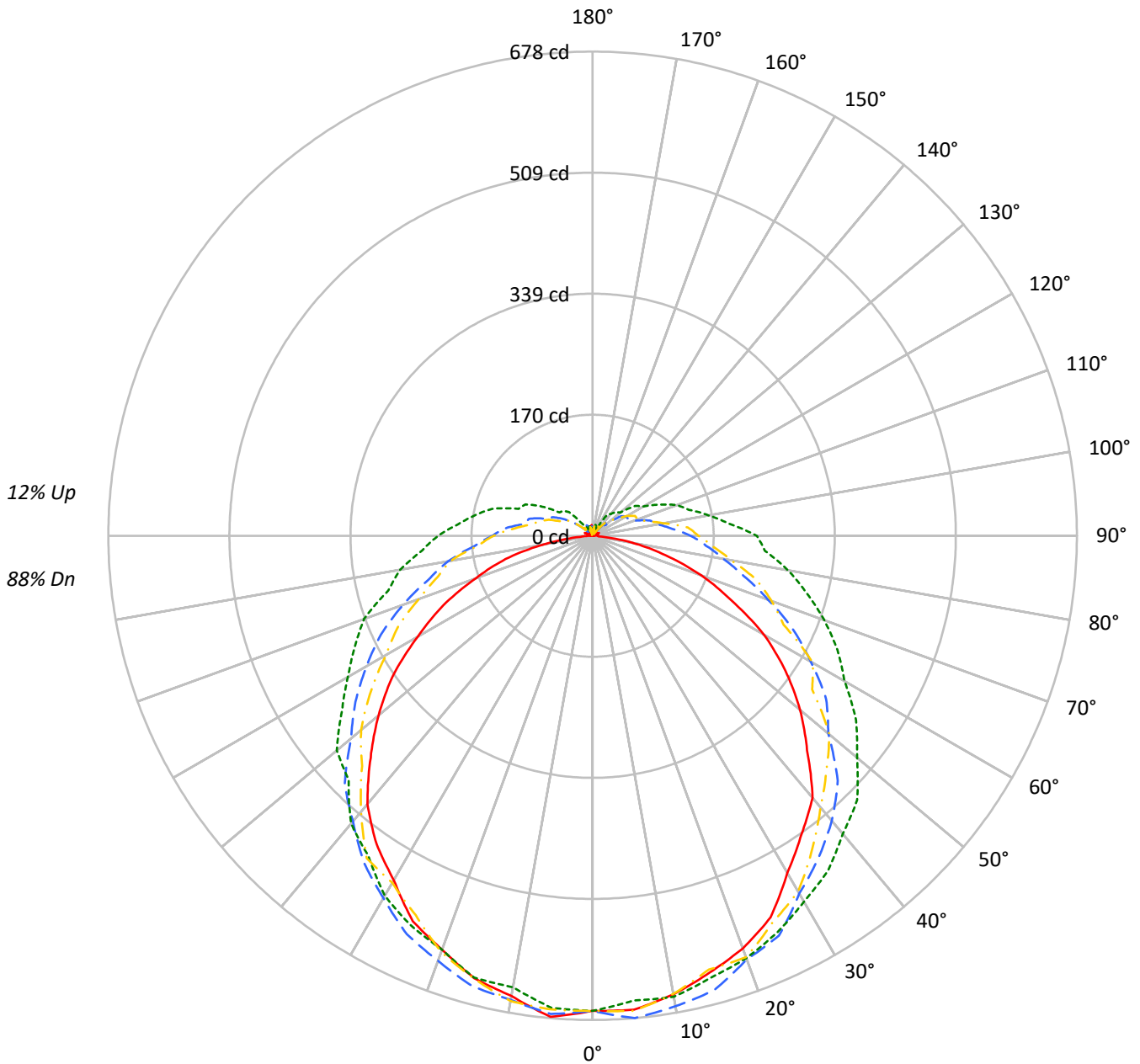
Lumens per Lamp: N/A
Luminaire Lumens: 2585.0 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.22' x L: 2' x H: 0.22')
CIE Type: Semi-Direct

Input Watts (W): 21
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: P600848

CATALOG NUMBER: 2SLSTPSC-UNV-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P600848

CATALOG NUMBER: 2SLSTPSC-UNV-4000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 116 | 116 | 116 | 116 | 112 | 112 | 112 | 112 | 104 | 104 | 104 | 97 | 97 | 97 | 91 | 91 | 91 | 88 | | | | 88 |
| 1 | 104 | 98 | 93 | 88 | 99 | 94 | 90 | 85 | 88 | 84 | 81 | 82 | 79 | 76 | 76 | 74 | 72 | 69 | | | | 69 |
| 2 | 93 | 84 | 76 | 70 | 89 | 81 | 74 | 68 | 75 | 70 | 65 | 70 | 66 | 61 | 66 | 62 | 58 | 55 | | | | 55 |
| 3 | 85 | 73 | 64 | 57 | 81 | 71 | 62 | 56 | 66 | 59 | 53 | 61 | 56 | 51 | 57 | 53 | 49 | 46 | | | | 46 |
| 4 | 77 | 64 | 55 | 48 | 74 | 62 | 54 | 47 | 58 | 51 | 45 | 54 | 48 | 43 | 51 | 46 | 41 | 38 | | | | 38 |
| 5 | 71 | 57 | 48 | 41 | 68 | 55 | 47 | 40 | 52 | 44 | 38 | 49 | 42 | 37 | 46 | 40 | 35 | 33 | | | | 33 |
| 6 | 65 | 51 | 42 | 35 | 62 | 50 | 41 | 35 | 47 | 39 | 33 | 44 | 37 | 32 | 41 | 35 | 31 | 29 | | | | 29 |
| 7 | 60 | 46 | 37 | 31 | 58 | 45 | 37 | 30 | 42 | 35 | 29 | 40 | 33 | 28 | 38 | 32 | 27 | 25 | | | | 25 |
| 8 | 56 | 42 | 33 | 27 | 54 | 41 | 33 | 27 | 39 | 31 | 26 | 36 | 30 | 25 | 34 | 29 | 24 | 22 | | | | 22 |
| 9 | 52 | 39 | 30 | 25 | 50 | 38 | 30 | 24 | 36 | 28 | 23 | 34 | 27 | 23 | 32 | 26 | 22 | 20 | | | | 20 |
| 10 | 49 | 36 | 28 | 22 | 47 | 35 | 27 | 22 | 33 | 26 | 21 | 31 | 25 | 21 | 29 | 24 | 20 | 18 | | | | 18 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 16611 | 16611 | 16611 | 16611 |
| 5° | 16541 | 15055 | 16789 | 15286 |
| 10° | 16221 | 14119 | 16281 | 13829 |
| 15° | 15909 | 13049 | 16108 | 13049 |
| 20° | 15720 | 12251 | 15763 | 12002 |
| 25° | 15464 | 11497 | 15618 | 11302 |
| 30° | 14795 | 10803 | 15107 | 10626 |
| 35° | 14448 | 10270 | 14939 | 9800 |
| 40° | 14314 | 9644 | 14658 | 9313 |
| 45° | 13530 | 9232 | 14005 | 8518 |
| 50° | 13049 | 8549 | 13465 | 8273 |
| 55° | 12429 | 8057 | 12863 | 7666 |
| 60° | 11647 | 7430 | 11895 | 7215 |
| 65° | 10292 | 7089 | 11069 | 6883 |
| 70° | 9090 | 6704 | 9777 | 6616 |
| 75° | 7266 | 6309 | 8675 | 6020 |
| 80° | 5063 | 5968 | 6177 | 5880 |
| 85° | 1064 | 5569 | 2217 | 5514 |



TEST NUMBER: P600848

CATALOG NUMBER: 2SLSTPSC-UNV-4000K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 63.2 | 2.4 |
| 10°-20° | 181.3 | 7.0 |
| 20°-30° | 277.3 | 10.7 |
| 30°-40° | 339.4 | 13.1 |
| 40°-50° | 363.4 | 14.1 |
| 50°-60° | 347.9 | 13.5 |
| 60°-70° | 300.3 | 11.6 |
| 70°-80° | 234.1 | 9.1 |
| 80°-90° | 167.7 | 6.5 |
| 90°-100° | 116.9 | 4.5 |
| 100°-110° | 78.6 | 3.0 |
| 110°-120° | 52.1 | 2.0 |
| 120°-130° | 31.8 | 1.2 |
| 130°-140° | 16.2 | 0.6 |
| 140°-150° | 7.5 | 0.3 |
| 150°-160° | 4.2 | 0.2 |
| 160°-170° | 2.5 | 0.1 |
| 170°-180° | 0.7 | 0.0 |
| 0°-30° | 521.8 | 20.2 |
| 0°-40° | 861.2 | 33.3 |
| 0°-60° | 1572.6 | 60.8 |
| 0°-90° | 2274.7 | 88.0 |
| 90°-120° | 247.5 | 9.6 |
| 90°-150° | 303.0 | 11.7 |
| 90°-180° | 310.0 | 12.0 |
| 0°-180° | 2585.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0° | 665 | 665 | 665 | 665 | 665 | |
| 5° | 666 | 653 | 676 | 663 | 666 | 63 |
| 15° | 633 | 640 | 641 | 640 | 633 | 179 |
| 25° | 590 | 612 | 596 | 602 | 590 | 270 |
| 35° | 510 | 574 | 527 | 547 | 510 | 320 |
| 45° | 425 | 524 | 440 | 483 | 425 | 330 |
| 55° | 330 | 450 | 341 | 428 | 330 | 294 |
| 65° | 215 | 378 | 231 | 367 | 215 | 215 |
| 75° | 106 | 310 | 126 | 296 | 106 | 113 |
| 85° | 8 | 242 | 17 | 240 | 8 | 20 |
| 90° | 8 | 230 | 2 | 216 | 8 | 4 |
| 95° | 2 | 192 | 2 | 188 | 2 | 2 |
| 105° | 4 | 140 | 2 | 146 | 4 | 4 |
| 115° | 10 | 103 | 0 | 104 | 10 | 6 |
| 125° | 3 | 73 | 0 | 57 | 3 | 1 |
| 135° | 2 | 47 | 7 | 47 | 2 | 2 |
| 145° | 4 | 37 | 6 | 15 | 4 | 4 |
| 155° | 12 | 10 | 0 | 4 | 12 | 4 |
| 165° | 6 | 16 | 6 | 9 | 6 | 1 |
| 175° | 4 | 6 | 15 | 4 | 4 | 1 |
| 180° | 8 | 8 | 8 | 8 | 8 | |



TEST NUMBER: P600848

CATALOG NUMBER: 2SLSTPSC-UNV-4000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 15° | 30° | 45° | 60° | 75° | 90° | 105° | 120° | 135° | 150° |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 665.3 | 665.3 | 665.3 | 665.3 | 665.3 | 665.3 | 665.3 | 665.3 | 665.3 | 665.3 | 665.3 |
| 5° | 666.2 | 661.0 | 653.7 | 678.0 | 684.9 | 667.2 | 653.4 | 660.3 | 657.2 | 667.6 | 666.2 |
| 10° | 652.0 | 645.4 | 661.0 | 669.0 | 675.5 | 648.5 | 655.4 | 652.3 | 653.0 | 651.3 | 663.8 |
| 15° | 633.3 | 627.4 | 636.0 | 658.6 | 662.4 | 648.8 | 640.5 | 639.8 | 639.5 | 628.7 | 642.3 |
| 20° | 614.9 | 617.0 | 611.1 | 631.2 | 644.7 | 641.2 | 629.4 | 630.5 | 620.8 | 628.1 | 620.1 |
| 25° | 589.6 | 580.6 | 597.6 | 617.7 | 631.9 | 621.8 | 612.5 | 602.4 | 606.6 | 596.9 | 588.5 |
| 30° | 545.2 | 550.8 | 565.3 | 578.5 | 598.6 | 595.1 | 591.7 | 583.7 | 564.3 | 575.4 | 560.8 |
| 35° | 509.9 | 519.9 | 527.5 | 551.1 | 561.2 | 566.7 | 573.6 | 557.7 | 552.5 | 535.9 | 529.6 |
| 40° | 479.0 | 477.3 | 491.8 | 521.0 | 530.0 | 541.1 | 544.9 | 540.0 | 526.2 | 496.3 | 488.7 |
| 45° | 424.6 | 422.9 | 465.5 | 485.3 | 496.0 | 503.6 | 523.7 | 501.5 | 491.1 | 463.1 | 452.7 |
| 50° | 379.2 | 380.6 | 409.7 | 430.5 | 456.8 | 467.2 | 483.2 | 461.0 | 456.1 | 432.6 | 405.2 |
| 55° | 329.6 | 326.2 | 368.8 | 399.3 | 426.3 | 441.9 | 450.2 | 434.3 | 410.7 | 375.0 | 358.4 |
| 60° | 276.9 | 282.8 | 314.4 | 352.5 | 381.3 | 395.1 | 407.3 | 396.9 | 378.8 | 356.0 | 301.9 |
| 65° | 214.6 | 233.3 | 267.9 | 309.2 | 341.1 | 367.1 | 378.1 | 360.1 | 341.1 | 295.0 | 267.2 |
| 70° | 161.5 | 189.2 | 226.7 | 261.3 | 304.7 | 327.5 | 344.9 | 326.9 | 314.4 | 266.5 | 215.6 |
| 75° | 105.7 | 130.0 | 182.0 | 219.4 | 262.0 | 299.5 | 310.2 | 297.7 | 272.8 | 236.7 | 177.8 |
| 80° | 56.8 | 88.7 | 135.9 | 185.8 | 240.5 | 270.7 | 277.6 | 255.1 | 240.2 | 196.5 | 149.0 |
| 85° | 8.3 | 54.1 | 108.1 | 159.4 | 217.0 | 239.9 | 242.3 | 247.5 | 209.0 | 168.5 | 108.5 |
| 90° | 8.3 | 32.6 | 88.7 | 137.3 | 183.0 | 204.8 | 229.8 | 208.0 | 188.2 | 148.0 | 87.7 |
| 95° | 2.1 | 27.4 | 74.5 | 111.6 | 146.6 | 180.2 | 192.0 | 185.1 | 156.0 | 133.8 | 72.4 |
| 100° | 0.7 | 11.4 | 49.9 | 92.2 | 136.9 | 153.5 | 164.6 | 150.8 | 129.3 | 100.2 | 60.0 |
| 105° | 3.8 | 10.1 | 27.7 | 82.8 | 107.8 | 133.8 | 140.0 | 132.4 | 118.2 | 78.0 | 40.9 |
| 110° | 5.9 | 3.5 | 23.2 | 61.0 | 85.3 | 110.6 | 125.5 | 114.7 | 83.5 | 66.9 | 30.2 |
| 115° | 9.7 | 12.8 | 24.3 | 55.1 | 73.5 | 102.6 | 103.3 | 89.8 | 76.9 | 65.5 | 26.0 |
| 120° | 0.0 | 2.1 | 34.3 | 54.1 | 62.7 | 82.8 | 81.8 | 81.5 | 72.1 | 55.1 | 24.3 |
| 125° | 2.8 | 4.9 | 20.1 | 47.5 | 61.0 | 62.0 | 72.8 | 72.8 | 52.7 | 41.9 | 23.2 |
| 130° | 0.0 | 3.1 | 8.3 | 22.5 | 44.0 | 45.4 | 50.3 | 48.5 | 42.3 | 32.9 | 11.1 |
| 135° | 2.1 | 11.1 | 0.7 | 25.6 | 36.4 | 36.7 | 47.1 | 45.1 | 32.9 | 27.4 | 4.9 |
| 140° | 8.0 | 7.6 | 15.3 | 8.0 | 31.2 | 45.1 | 39.9 | 43.3 | 41.2 | 12.5 | 9.4 |
| 145° | 3.8 | 1.7 | 20.1 | 7.6 | 1.7 | 31.9 | 37.1 | 27.7 | 12.5 | 2.8 | 14.9 |
| 150° | 7.6 | 8.3 | 10.1 | 12.1 | 10.7 | 5.2 | 10.4 | 1.7 | 9.0 | 17.3 | 8.3 |
| 155° | 12.1 | 12.5 | 13.2 | 11.1 | 7.3 | 4.5 | 9.7 | 8.3 | 8.7 | 11.4 | 9.4 |
| 160° | 0.0 | 13.9 | 3.1 | 3.8 | 15.3 | 7.3 | 12.5 | 0.0 | 21.5 | 8.0 | 10.1 |
| 165° | 6.2 | 7.3 | 12.5 | 9.4 | 11.8 | 10.4 | 15.9 | 4.9 | 9.7 | 3.8 | 6.9 |
| 170° | 10.1 | 6.2 | 0.0 | 14.2 | 5.2 | 0.0 | 0.0 | 8.0 | 11.1 | 13.5 | 4.9 |
| 175° | 3.5 | 0.0 | 5.2 | 9.7 | 17.3 | 4.9 | 5.5 | 11.8 | 4.9 | 7.6 | 4.5 |
| 180° | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 |



TEST NUMBER: P600848

CATALOG NUMBER: 2SLSTPSC-UNV-4000K

CANDELA DISTRIBUTION (continued):

| | 165° | 180° | 195° | 210° | 225° | 240° | 255° | 270° | 285° | 300° | 315° |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 665.3 | 665.3 | 665.3 | 665.3 | 665.3 | 665.3 | 665.3 | 665.3 | 665.3 | 665.3 | 665.3 |
| 5° | 670.0 | 676.2 | 663.1 | 652.7 | 672.1 | 687.0 | 660.6 | 663.4 | 655.4 | 659.2 | 665.8 |
| 10° | 655.8 | 654.4 | 652.0 | 655.8 | 659.9 | 674.2 | 650.9 | 641.9 | 639.1 | 648.5 | 661.7 |
| 15° | 648.8 | 641.2 | 637.8 | 633.9 | 652.7 | 666.2 | 647.1 | 640.5 | 627.4 | 638.8 | 641.9 |
| 20° | 633.6 | 616.6 | 620.1 | 628.7 | 633.3 | 637.4 | 624.6 | 616.6 | 609.0 | 618.3 | 620.1 |
| 25° | 602.8 | 595.5 | 592.7 | 596.9 | 615.6 | 622.9 | 608.3 | 602.1 | 598.6 | 593.0 | 586.1 |
| 30° | 567.0 | 556.7 | 566.7 | 575.7 | 585.8 | 605.5 | 596.9 | 582.0 | 571.9 | 575.0 | 561.2 |
| 35° | 519.6 | 527.2 | 524.8 | 540.7 | 558.4 | 572.2 | 554.6 | 547.3 | 542.1 | 536.2 | 551.1 |
| 40° | 486.6 | 490.5 | 486.3 | 495.3 | 522.0 | 531.0 | 532.7 | 526.2 | 523.4 | 509.2 | 504.3 |
| 45° | 435.0 | 439.5 | 443.7 | 462.7 | 490.8 | 512.6 | 494.3 | 483.2 | 489.1 | 474.2 | 456.5 |
| 50° | 390.6 | 391.3 | 400.3 | 411.1 | 441.2 | 465.1 | 476.2 | 467.6 | 461.7 | 439.5 | 423.2 |
| 55° | 341.4 | 341.1 | 342.1 | 378.8 | 405.2 | 422.5 | 435.3 | 428.4 | 423.2 | 401.0 | 378.8 |
| 60° | 286.3 | 282.8 | 308.1 | 325.8 | 365.3 | 393.4 | 403.8 | 395.5 | 385.1 | 374.7 | 333.8 |
| 65° | 225.6 | 230.8 | 249.2 | 282.8 | 326.9 | 342.4 | 356.7 | 367.1 | 349.4 | 330.0 | 300.2 |
| 70° | 181.3 | 173.7 | 196.9 | 244.4 | 282.1 | 311.3 | 326.5 | 340.4 | 323.0 | 302.6 | 258.6 |
| 75° | 124.1 | 126.2 | 147.3 | 194.1 | 238.1 | 276.9 | 297.7 | 296.0 | 294.6 | 253.4 | 224.9 |
| 80° | 91.2 | 69.3 | 103.3 | 159.4 | 205.2 | 243.3 | 258.6 | 273.5 | 260.0 | 236.4 | 201.7 |
| 85° | 66.2 | 17.3 | 72.4 | 108.8 | 166.0 | 206.2 | 228.4 | 239.9 | 230.5 | 201.7 | 161.2 |
| 90° | 44.4 | 2.4 | 34.7 | 95.3 | 140.4 | 180.6 | 198.6 | 216.3 | 191.7 | 173.0 | 138.6 |
| 95° | 19.1 | 1.7 | 22.2 | 67.9 | 122.0 | 148.0 | 168.5 | 188.2 | 174.7 | 150.8 | 111.3 |
| 100° | 26.3 | 0.0 | 23.6 | 49.9 | 95.7 | 127.6 | 153.9 | 166.7 | 156.7 | 125.1 | 88.7 |
| 105° | 19.1 | 1.7 | 12.1 | 37.8 | 92.2 | 108.5 | 125.8 | 145.9 | 129.6 | 98.8 | 76.6 |
| 110° | 15.9 | 11.8 | 9.0 | 23.9 | 69.7 | 96.4 | 100.5 | 110.2 | 102.9 | 90.5 | 65.5 |
| 115° | 14.6 | 0.0 | 11.8 | 27.4 | 61.7 | 70.4 | 91.2 | 104.0 | 83.2 | 70.4 | 45.4 |
| 120° | 11.1 | 10.7 | 5.5 | 14.6 | 46.4 | 58.6 | 82.1 | 81.5 | 74.5 | 62.7 | 42.6 |
| 125° | 8.0 | 0.0 | 0.0 | 10.1 | 31.2 | 56.2 | 63.8 | 56.8 | 54.4 | 47.5 | 34.0 |
| 130° | 9.7 | 9.0 | 14.9 | 2.1 | 10.7 | 44.4 | 50.6 | 54.1 | 62.4 | 37.8 | 12.1 |
| 135° | 17.7 | 6.6 | 9.4 | 0.7 | 5.9 | 17.0 | 43.7 | 46.8 | 39.2 | 23.6 | 15.9 |
| 140° | 7.6 | 4.2 | 9.0 | 1.7 | 5.5 | 10.7 | 3.8 | 16.6 | 0.0 | 5.2 | 1.0 |
| 145° | 8.0 | 5.5 | 5.9 | 17.0 | 3.8 | 5.2 | 13.9 | 14.6 | 11.1 | 8.3 | 6.9 |
| 150° | 2.8 | 8.0 | 3.5 | 9.4 | 17.0 | 21.1 | 5.2 | 6.9 | 7.6 | 9.0 | 10.4 |
| 155° | 8.0 | 0.0 | 11.8 | 5.2 | 14.6 | 17.3 | 7.3 | 3.8 | 2.1 | 13.5 | 8.7 |
| 160° | 1.4 | 0.0 | 6.6 | 15.3 | 11.8 | 7.3 | 12.1 | 15.6 | 15.3 | 11.4 | 4.5 |
| 165° | 10.7 | 5.5 | 7.6 | 1.7 | 7.6 | 12.8 | 10.7 | 9.4 | 21.1 | 11.8 | 12.5 |
| 170° | 0.0 | 3.1 | 16.3 | 10.4 | 0.3 | 0.0 | 5.9 | 14.2 | 9.7 | 0.7 | 8.3 |
| 175° | 3.5 | 14.9 | 0.0 | 6.6 | 13.2 | 6.2 | 3.8 | 4.5 | 4.9 | 5.2 | 0.0 |
| 180° | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 |



TEST NUMBER: P600848

CATALOG NUMBER: 2SLSTPSC-UNV-4000K

CANDELA DISTRIBUTION (continued):

| | 330° | 345° | 360° |
|------|-------|-------|-------|
| 0° | 665.3 | 665.3 | 665.3 |
| 5° | 674.5 | 656.1 | 666.2 |
| 10° | 655.8 | 649.2 | 652.0 |
| 15° | 636.7 | 640.9 | 633.3 |
| 20° | 609.0 | 620.8 | 614.9 |
| 25° | 592.7 | 589.2 | 589.6 |
| 30° | 559.1 | 551.5 | 545.2 |
| 35° | 514.4 | 518.9 | 509.9 |
| 40° | 495.0 | 480.4 | 479.0 |
| 45° | 448.5 | 429.1 | 424.6 |
| 50° | 412.5 | 392.4 | 379.2 |
| 55° | 363.9 | 336.2 | 329.6 |
| 60° | 326.2 | 292.9 | 276.9 |
| 65° | 273.8 | 239.9 | 214.6 |
| 70° | 218.7 | 174.3 | 161.5 |
| 75° | 181.6 | 128.6 | 105.7 |
| 80° | 146.3 | 95.0 | 56.8 |
| 85° | 112.6 | 64.5 | 8.3 |
| 90° | 83.2 | 29.8 | 8.3 |
| 95° | 68.6 | 23.9 | 2.1 |
| 100° | 53.0 | 20.1 | 0.7 |
| 105° | 28.1 | 18.0 | 3.8 |
| 110° | 28.8 | 8.3 | 5.9 |
| 115° | 27.0 | 17.3 | 9.7 |
| 120° | 17.0 | 0.0 | 0.0 |
| 125° | 14.9 | 4.2 | 2.8 |
| 130° | 7.3 | 18.4 | 0.0 |
| 135° | 5.2 | 3.1 | 2.1 |
| 140° | 8.7 | 8.7 | 8.0 |
| 145° | 6.9 | 14.6 | 3.8 |
| 150° | 17.7 | 6.9 | 7.6 |
| 155° | 4.2 | 8.0 | 12.1 |
| 160° | 6.2 | 13.5 | 0.0 |
| 165° | 2.8 | 11.8 | 6.2 |
| 170° | 13.2 | 10.1 | 10.1 |
| 175° | 8.7 | 9.4 | 3.5 |
| 180° | 8.2 | 8.2 | 8.2 |



Report Generated By 670246072 / DESKTOP-MV3F9LC





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











(END OF REPORT)