

Scaled data based on original data using
LM-66-11 Electrical and Photometric Measurements of Single-Ended Compact
Fluorescent Lamps

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: SHAPER

Report Number: 25485

Luminaire Tested: **103-CFL/2/39-120V-SWH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-66-11
Report Number: 25485
Test Lab: LIGHTING SCIENCES, INC.
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 103-CFL/2/39-120V-SWH
Description: WHITE FABRIC SHADE RECTILINEAR WALL SCONCE

Light Source: TWO SYLVANIA 36 WATT CFL LAMPS

FT36DL/830/ECO. LUMEN RATING = 5800 LMS.

Ballast/Driver: -

Summary

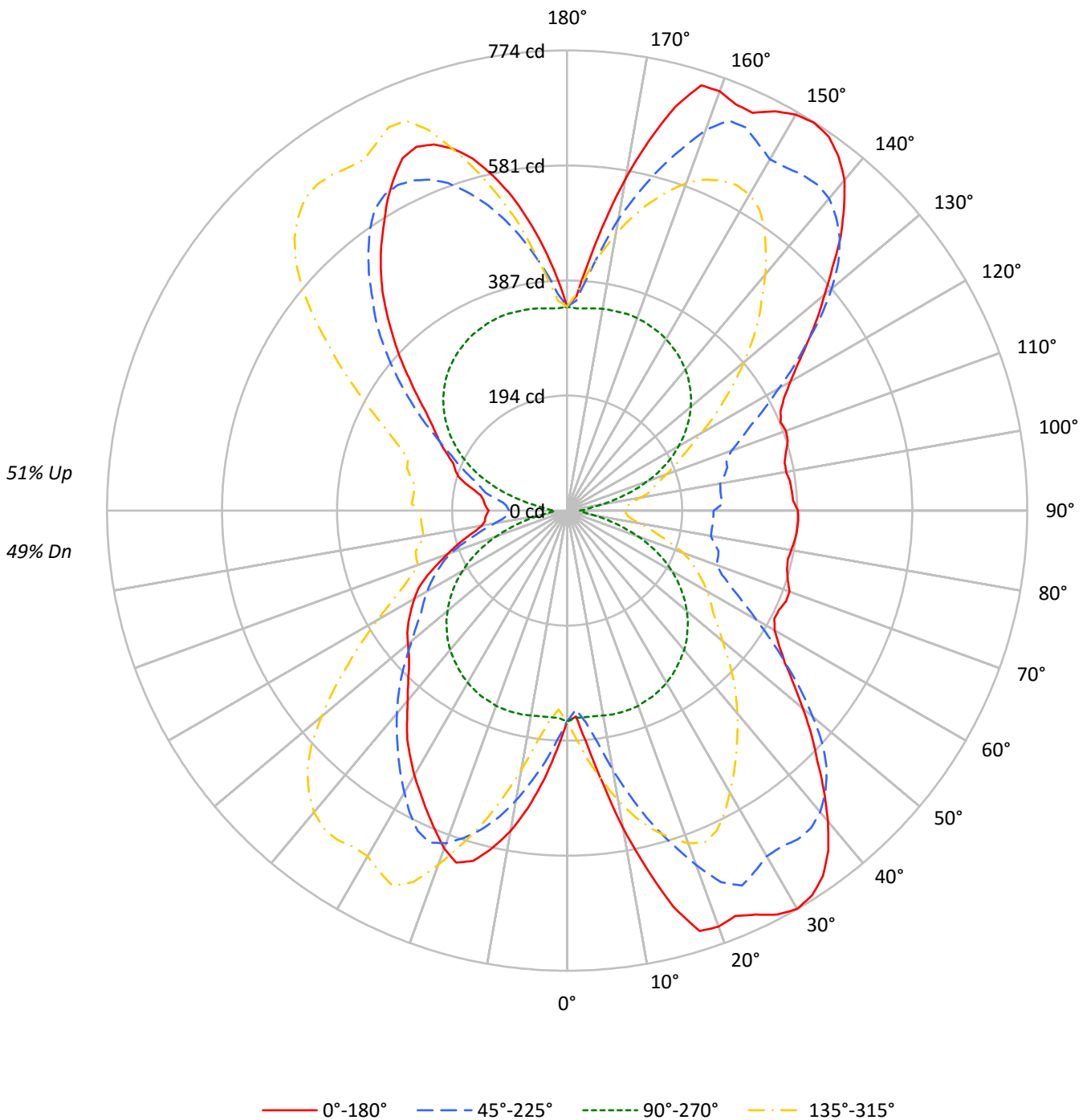
Lumens per Lamp: 5800 (1 lamp)
Luminaire Lumens: 4369.0 lumens
Efficiency: 75.3%
Efficacy: 61.5 lumens/watt
Spacing Criteria (0/90/45): 1.97 / 1.4 / 1.87
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2.17' x H: 0.71')
CIE Type: General Diffuse

Input Watts (W): 71
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: 25485

CATALOG NUMBER: 103-CFL/2/39-120V-SWH

Luminous Intensity Polar Plot





TEST NUMBER: 25485

CATALOG NUMBER: 103-CFL/2/39-120V-SWH

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 | 80 | 80 | 80 | 80 | 74 | 74 | 74 | 74 | 62 | 62 | 62 | 51 | 51 | 51 | 41 | 41 | 41 | 37 |
| 1 | 72 | 68 | 65 | 62 | 66 | 63 | 60 | 57 | 53 | 51 | 49 | 43 | 42 | 40 | 35 | 34 | 32 | 28 |
| 2 | 65 | 59 | 54 | 50 | 60 | 54 | 50 | 46 | 46 | 42 | 39 | 37 | 35 | 33 | 30 | 28 | 26 | 23 |
| 3 | 59 | 52 | 46 | 41 | 54 | 47 | 42 | 38 | 40 | 36 | 32 | 33 | 30 | 27 | 26 | 24 | 22 | 19 |
| 4 | 54 | 45 | 39 | 34 | 49 | 42 | 36 | 32 | 35 | 31 | 27 | 29 | 26 | 23 | 23 | 21 | 19 | 16 |
| 5 | 49 | 40 | 34 | 29 | 45 | 37 | 31 | 27 | 31 | 27 | 23 | 26 | 22 | 20 | 21 | 18 | 16 | 13 |
| 6 | 45 | 36 | 29 | 25 | 42 | 33 | 27 | 23 | 28 | 23 | 20 | 23 | 20 | 17 | 19 | 16 | 14 | 12 |
| 7 | 42 | 32 | 26 | 22 | 38 | 30 | 24 | 20 | 25 | 21 | 18 | 21 | 17 | 15 | 17 | 14 | 12 | 10 |
| 8 | 39 | 29 | 23 | 19 | 36 | 27 | 22 | 18 | 23 | 19 | 15 | 19 | 16 | 13 | 15 | 13 | 11 | 9 |
| 9 | 36 | 27 | 21 | 17 | 33 | 25 | 19 | 16 | 21 | 17 | 14 | 17 | 14 | 12 | 14 | 12 | 10 | 8 |
| 10 | 34 | 24 | 19 | 15 | 31 | 22 | 17 | 14 | 19 | 15 | 12 | 16 | 13 | 10 | 13 | 10 | 9 | 7 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|------|------|------|
| 0° | 5330 | 5330 | 5330 | 5330 |
| 5° | 5821 | 4428 | 6680 | 4428 |
| 10° | 7821 | 3871 | 7894 | 3871 |
| 15° | 9871 | 3466 | 8727 | 3466 |
| 20° | 10645 | 3134 | 8642 | 3134 |
| 25° | 10789 | 2846 | 8029 | 2846 |
| 30° | 11295 | 2588 | 7501 | 2588 |
| 35° | 11197 | 2352 | 6999 | 2352 |
| 40° | 10507 | 2142 | 6420 | 2142 |
| 45° | 9533 | 1929 | 6024 | 1929 |
| 50° | 8705 | 1724 | 5880 | 1724 |
| 55° | 7989 | 1511 | 5815 | 1511 |
| 60° | 7735 | 1291 | 5691 | 1291 |
| 65° | 8229 | 1061 | 5432 | 1061 |
| 70° | 9209 | 808 | 4962 | 808 |
| 75° | 10009 | 540 | 4594 | 540 |
| 80° | 11604 | 307 | 4411 | 307 |
| 85° | 14125 | 180 | 5032 | 180 |



TEST NUMBER: 25485

CATALOG NUMBER: 103-CFL/2/39-120V-SWH

ZONAL LUMENS:

| Zone | Lumens | % Fixture | % Lamp |
|-----------|--------|-----------|--------|
| 0°-10° | 39.3 | 0.9 | 0.7 |
| 10°-20° | 149.5 | 3.4 | 2.6 |
| 20°-30° | 263.4 | 6.0 | 4.5 |
| 30°-40° | 340.6 | 7.8 | 5.9 |
| 40°-50° | 356.8 | 8.2 | 6.2 |
| 50°-60° | 323.3 | 7.4 | 5.6 |
| 60°-70° | 269.3 | 6.2 | 4.6 |
| 70°-80° | 212.3 | 4.9 | 3.7 |
| 80°-90° | 177.7 | 4.1 | 3.1 |
| 90°-100° | 183.3 | 4.2 | 3.2 |
| 100°-110° | 217.6 | 5.0 | 3.8 |
| 110°-120° | 276.1 | 6.3 | 4.8 |
| 120°-130° | 344.3 | 7.9 | 5.9 |
| 130°-140° | 385.3 | 8.8 | 6.6 |
| 140°-150° | 362.5 | 8.3 | 6.2 |
| 150°-160° | 274.9 | 6.3 | 4.7 |
| 160°-170° | 153.0 | 3.5 | 2.6 |
| 170°-180° | 39.9 | 0.9 | 0.7 |
| 0°-30° | 452.3 | 10.4 | 7.8 |
| 0°-40° | 792.9 | 18.1 | 13.7 |
| 0°-60° | 1473.0 | 33.7 | 25.4 |
| 0°-90° | 2132.2 | 48.8 | 36.8 |
| 90°-120° | 677.0 | 15.5 | 11.7 |
| 90°-150° | 1769.0 | 40.5 | 30.5 |
| 90°-180° | 2237.0 | 51.2 | 38.6 |
| 0°-180° | 4369.0 | 100.0 | 75.3 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0° | 355 | 355 | 355 | 355 | 355 | |
| 5° | 397 | 349 | 455 | 349 | 397 | 43 |
| 15° | 690 | 351 | 610 | 351 | 690 | 194 |
| 25° | 750 | 344 | 558 | 344 | 750 | 349 |
| 35° | 750 | 321 | 469 | 321 | 750 | 465 |
| 45° | 595 | 286 | 376 | 286 | 595 | 461 |
| 55° | 447 | 235 | 326 | 235 | 447 | 405 |
| 65° | 394 | 168 | 260 | 168 | 394 | 394 |
| 75° | 383 | 84 | 176 | 84 | 383 | 408 |
| 85° | 388 | 27 | 138 | 27 | 388 | 316 |
| 90° | 388 | 21 | 132 | 21 | 388 | 212 |
| 95° | 379 | 34 | 140 | 34 | 379 | 309 |
| 105° | 381 | 100 | 178 | 100 | 381 | 404 |
| 115° | 396 | 182 | 222 | 182 | 396 | 399 |
| 125° | 493 | 246 | 290 | 246 | 493 | 444 |
| 135° | 650 | 292 | 414 | 292 | 650 | 500 |
| 145° | 767 | 323 | 545 | 323 | 767 | 477 |
| 155° | 738 | 340 | 654 | 340 | 738 | 347 |
| 165° | 703 | 345 | 613 | 345 | 703 | 198 |
| 175° | 421 | 341 | 442 | 341 | 421 | 45 |
| 180° | 343 | 343 | 343 | 343 | 343 | |



TEST NUMBER: 25485

CATALOG NUMBER: 103-CFL/2/39-120V-SWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 0° | 354.6 | 354.6 | 354.6 | 354.6 | 354.6 | 354.6 | 354.6 | 354.6 | 354.6 | 354.6 | 354.6 |
| 2.5° | 346.6 | 341.2 | 334.7 | 336.4 | 348.9 | 368.2 | 386.7 | 400.9 | 403.4 | 400.9 | 386.7 |
| 5° | 396.8 | 382.4 | 356.7 | 335.1 | 348.7 | 387.1 | 424.3 | 449.7 | 455.4 | 449.7 | 424.3 |
| 7.5° | 463.7 | 443.9 | 393.2 | 346.1 | 348.9 | 404.7 | 459.0 | 496.5 | 504.2 | 496.5 | 459.0 |
| 10° | 542.0 | 514.1 | 442.9 | 363.4 | 349.8 | 423.4 | 495.2 | 540.4 | 547.0 | 540.4 | 495.2 |
| 12.5° | 615.8 | 581.0 | 492.3 | 380.6 | 351.3 | 441.2 | 527.6 | 575.4 | 581.4 | 575.4 | 527.6 |
| 15° | 689.9 | 648.5 | 542.9 | 401.1 | 351.1 | 457.0 | 554.9 | 605.7 | 610.0 | 605.7 | 554.9 |
| 17.5° | 741.5 | 712.5 | 588.2 | 422.9 | 350.8 | 472.4 | 577.1 | 624.6 | 620.8 | 624.6 | 577.1 |
| 20° | 744.7 | 740.3 | 634.3 | 442.9 | 349.4 | 487.1 | 595.4 | 617.2 | 604.6 | 617.2 | 595.4 |
| 22.5° | 738.3 | 731.1 | 676.4 | 463.2 | 346.1 | 497.0 | 604.4 | 597.4 | 581.0 | 597.4 | 604.4 |
| 25° | 749.8 | 726.2 | 696.0 | 479.9 | 343.7 | 506.7 | 594.5 | 571.5 | 558.0 | 571.5 | 594.5 |
| 27.5° | 766.1 | 741.3 | 684.1 | 497.3 | 339.3 | 513.2 | 573.5 | 547.0 | 535.1 | 547.0 | 573.5 |
| 30° | 773.7 | 752.8 | 671.5 | 512.6 | 334.3 | 517.3 | 547.6 | 522.7 | 513.8 | 522.7 | 547.6 |
| 32.5° | 767.2 | 754.5 | 670.2 | 523.8 | 328.4 | 518.6 | 522.4 | 497.7 | 491.2 | 497.7 | 522.4 |
| 35° | 750.0 | 742.4 | 675.5 | 536.2 | 321.3 | 516.2 | 496.1 | 474.9 | 468.8 | 474.9 | 496.1 |
| 37.5° | 721.4 | 722.5 | 673.5 | 540.7 | 313.8 | 506.9 | 470.4 | 450.6 | 442.0 | 450.6 | 470.4 |
| 40° | 682.5 | 691.9 | 662.2 | 535.7 | 306.2 | 487.1 | 445.7 | 423.6 | 417.0 | 423.6 | 445.7 |
| 42.5° | 639.3 | 649.9 | 642.9 | 518.8 | 296.9 | 460.5 | 419.8 | 398.4 | 395.9 | 398.4 | 419.8 |
| 45° | 595.2 | 605.1 | 617.7 | 501.5 | 286.0 | 432.8 | 393.9 | 378.4 | 376.1 | 378.4 | 393.9 |
| 47.5° | 556.9 | 561.2 | 583.2 | 484.0 | 275.6 | 403.1 | 366.2 | 358.6 | 360.6 | 358.6 | 366.2 |
| 50° | 517.4 | 520.9 | 539.1 | 469.3 | 262.8 | 372.5 | 340.9 | 344.3 | 349.5 | 344.3 | 340.9 |
| 52.5° | 480.6 | 481.0 | 494.9 | 453.7 | 249.5 | 344.8 | 319.5 | 333.6 | 338.9 | 333.6 | 319.5 |
| 55° | 447.3 | 444.5 | 448.8 | 432.8 | 234.9 | 314.8 | 299.8 | 320.5 | 325.6 | 320.5 | 299.8 |
| 57.5° | 422.5 | 414.6 | 407.4 | 407.8 | 219.9 | 285.6 | 286.1 | 307.8 | 311.4 | 307.8 | 286.1 |
| 60° | 403.1 | 388.1 | 367.3 | 375.9 | 203.0 | 257.2 | 272.0 | 293.0 | 296.6 | 293.0 | 272.0 |
| 62.5° | 392.9 | 369.3 | 333.7 | 342.3 | 186.4 | 228.0 | 257.0 | 278.0 | 281.5 | 278.0 | 257.0 |
| 65° | 393.7 | 360.8 | 304.0 | 301.1 | 167.5 | 202.2 | 241.0 | 259.5 | 259.9 | 259.5 | 241.0 |
| 67.5° | 398.6 | 364.2 | 282.0 | 258.1 | 147.5 | 182.2 | 225.7 | 237.4 | 236.1 | 237.4 | 225.7 |
| 70° | 397.9 | 365.5 | 267.3 | 219.4 | 127.1 | 164.4 | 207.5 | 214.4 | 214.4 | 214.4 | 207.5 |
| 72.5° | 389.2 | 359.0 | 266.0 | 182.2 | 104.6 | 147.8 | 183.3 | 193.5 | 194.9 | 193.5 | 183.3 |
| 75° | 382.8 | 350.9 | 263.7 | 154.6 | 84.0 | 130.5 | 160.4 | 174.8 | 175.7 | 174.8 | 160.4 |
| 77.5° | 380.1 | 344.3 | 252.7 | 135.7 | 64.2 | 111.1 | 140.8 | 154.3 | 157.5 | 154.3 | 140.8 |
| 80° | 382.8 | 346.4 | 245.5 | 127.7 | 46.8 | 90.6 | 123.9 | 141.5 | 145.5 | 141.5 | 123.9 |
| 82.5° | 385.8 | 348.6 | 245.3 | 120.3 | 33.2 | 71.9 | 109.6 | 132.9 | 139.7 | 132.9 | 109.6 |
| 85° | 388.2 | 349.5 | 246.1 | 115.6 | 26.7 | 56.8 | 102.1 | 129.3 | 138.3 | 129.3 | 102.1 |
| 87.5° | 389.2 | 350.6 | 246.0 | 115.2 | 22.6 | 50.1 | 99.4 | 126.2 | 135.2 | 126.2 | 99.4 |
| 90° | 388.2 | 350.9 | 246.4 | 115.2 | 21.3 | 50.7 | 97.6 | 123.9 | 132.1 | 123.9 | 97.6 |
| 92.5° | 380.4 | 354.5 | 261.9 | 135.2 | 29.1 | 52.6 | 100.1 | 127.5 | 136.3 | 127.5 | 100.1 |
| 95° | 379.2 | 352.2 | 259.9 | 134.9 | 33.9 | 62.7 | 103.2 | 130.2 | 139.7 | 130.2 | 103.2 |
| 97.5° | 378.1 | 351.4 | 259.9 | 139.4 | 42.8 | 76.2 | 110.2 | 133.4 | 142.2 | 133.4 | 110.2 |
| 100° | 374.0 | 347.8 | 261.4 | 148.0 | 58.7 | 86.6 | 125.1 | 140.8 | 147.4 | 140.8 | 125.1 |
| 102.5° | 374.8 | 350.9 | 270.8 | 159.1 | 78.1 | 103.0 | 141.3 | 153.5 | 159.9 | 153.5 | 141.3 |
| 105° | 381.1 | 358.6 | 278.8 | 181.8 | 99.7 | 121.6 | 150.2 | 171.2 | 177.5 | 171.2 | 150.2 |
| 107.5° | 389.2 | 367.3 | 280.6 | 210.4 | 122.2 | 145.1 | 161.1 | 184.1 | 192.2 | 184.1 | 161.1 |
| 110° | 391.7 | 367.3 | 294.1 | 248.2 | 143.5 | 174.6 | 177.7 | 191.3 | 200.2 | 191.3 | 177.7 |



TEST NUMBER: 25485

CATALOG NUMBER: 103-CFL/2/39-120V-SWH

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 112.5° | 388.7 | 368.2 | 316.7 | 287.4 | 164.0 | 203.8 | 195.0 | 203.2 | 207.0 | 203.2 | 195.0 |
| 115° | 396.1 | 381.5 | 342.3 | 330.6 | 182.2 | 237.2 | 211.9 | 217.5 | 221.6 | 217.5 | 211.9 |
| 117.5° | 411.4 | 402.4 | 376.1 | 373.6 | 200.8 | 270.8 | 234.1 | 234.1 | 238.1 | 234.1 | 234.1 |
| 120° | 433.2 | 425.9 | 411.2 | 407.4 | 216.2 | 304.2 | 260.2 | 251.4 | 253.1 | 251.4 | 260.2 |
| 122.5° | 460.3 | 457.6 | 452.2 | 437.6 | 232.4 | 336.2 | 291.2 | 270.0 | 269.8 | 270.0 | 291.2 |
| 125° | 493.4 | 492.9 | 492.3 | 462.6 | 245.9 | 369.8 | 321.4 | 295.0 | 290.3 | 295.0 | 321.4 |
| 127.5° | 529.9 | 531.0 | 538.4 | 480.6 | 259.2 | 403.6 | 355.0 | 325.0 | 318.0 | 325.0 | 355.0 |
| 130° | 565.4 | 568.8 | 581.0 | 495.4 | 271.4 | 433.1 | 388.2 | 355.1 | 347.3 | 355.1 | 388.2 |
| 132.5° | 605.5 | 611.0 | 618.8 | 507.1 | 282.6 | 460.1 | 422.5 | 388.4 | 381.2 | 388.4 | 422.5 |
| 135° | 650.3 | 654.6 | 648.5 | 519.5 | 292.2 | 480.4 | 455.6 | 421.8 | 413.9 | 421.8 | 455.6 |
| 137.5° | 689.1 | 691.9 | 669.7 | 537.7 | 301.6 | 495.7 | 484.8 | 454.5 | 448.8 | 454.5 | 484.8 |
| 140° | 725.8 | 724.4 | 685.5 | 557.6 | 309.6 | 505.1 | 518.4 | 488.7 | 483.5 | 488.7 | 518.4 |
| 142.5° | 750.0 | 745.8 | 691.1 | 575.1 | 316.5 | 513.4 | 549.3 | 520.7 | 514.8 | 520.7 | 549.3 |
| 145° | 767.4 | 760.2 | 689.5 | 581.4 | 322.7 | 516.3 | 578.0 | 550.4 | 545.2 | 550.4 | 578.0 |
| 147.5° | 773.3 | 761.6 | 684.3 | 574.9 | 327.7 | 514.3 | 601.6 | 581.4 | 573.1 | 581.4 | 601.6 |
| 150° | 768.9 | 754.4 | 682.1 | 561.8 | 333.0 | 509.8 | 613.6 | 612.5 | 604.1 | 612.5 | 613.6 |
| 152.5° | 757.0 | 739.1 | 695.8 | 550.4 | 336.8 | 502.6 | 617.2 | 638.6 | 630.7 | 638.6 | 617.2 |
| 155° | 738.3 | 726.2 | 710.9 | 534.1 | 339.6 | 493.7 | 612.5 | 651.4 | 654.4 | 651.4 | 612.5 |
| 157.5° | 739.9 | 736.3 | 710.0 | 517.7 | 342.6 | 484.2 | 602.6 | 651.9 | 662.2 | 651.9 | 602.6 |
| 160° | 750.3 | 748.3 | 681.1 | 497.4 | 344.3 | 471.1 | 586.2 | 639.7 | 655.2 | 639.7 | 586.2 |
| 162.5° | 750.0 | 735.0 | 636.8 | 476.0 | 345.8 | 457.1 | 562.3 | 620.4 | 638.2 | 620.4 | 562.3 |
| 165° | 703.3 | 682.2 | 592.9 | 454.9 | 345.2 | 443.2 | 535.7 | 592.9 | 613.0 | 592.9 | 535.7 |
| 167.5° | 637.7 | 619.7 | 544.7 | 429.5 | 345.0 | 426.3 | 505.4 | 556.2 | 576.9 | 556.2 | 505.4 |
| 170° | 567.7 | 556.6 | 497.4 | 404.2 | 344.5 | 409.6 | 472.0 | 516.8 | 537.3 | 516.8 | 472.0 |
| 172.5° | 492.3 | 486.0 | 443.9 | 379.0 | 343.2 | 391.7 | 436.4 | 472.0 | 490.9 | 472.0 | 436.4 |
| 175° | 421.1 | 417.8 | 394.5 | 357.2 | 341.3 | 371.8 | 401.7 | 426.1 | 442.5 | 426.1 | 401.7 |
| 177.5° | 361.2 | 360.1 | 353.6 | 341.4 | 340.5 | 350.4 | 365.1 | 379.0 | 392.3 | 379.0 | 365.1 |
| 180° | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |



TEST NUMBER: 25485

CATALOG NUMBER: 103-CFL/2/39-120V-SWH

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|-------|--------|-------|--------|-------|
| 0° | 354.6 | 354.6 | 354.6 | 354.6 | 354.6 | 354.6 |
| 2.5° | 368.2 | 348.9 | 336.4 | 334.7 | 341.2 | 346.6 |
| 5° | 387.1 | 348.7 | 335.1 | 356.7 | 382.4 | 396.8 |
| 7.5° | 404.7 | 348.9 | 346.1 | 393.2 | 443.9 | 463.7 |
| 10° | 423.4 | 349.8 | 363.4 | 442.9 | 514.1 | 542.0 |
| 12.5° | 441.2 | 351.3 | 380.6 | 492.3 | 581.0 | 615.8 |
| 15° | 457.0 | 351.1 | 401.1 | 542.9 | 648.5 | 689.9 |
| 17.5° | 472.4 | 350.8 | 422.9 | 588.2 | 712.5 | 741.5 |
| 20° | 487.1 | 349.4 | 442.9 | 634.3 | 740.3 | 744.7 |
| 22.5° | 497.0 | 346.1 | 463.2 | 676.4 | 731.1 | 738.3 |
| 25° | 506.7 | 343.7 | 479.9 | 696.0 | 726.2 | 749.8 |
| 27.5° | 513.2 | 339.3 | 497.3 | 684.1 | 741.3 | 766.1 |
| 30° | 517.3 | 334.3 | 512.6 | 671.5 | 752.8 | 773.7 |
| 32.5° | 518.6 | 328.4 | 523.8 | 670.2 | 754.5 | 767.2 |
| 35° | 516.2 | 321.3 | 536.2 | 675.5 | 742.4 | 750.0 |
| 37.5° | 506.9 | 313.8 | 540.7 | 673.5 | 722.5 | 721.4 |
| 40° | 487.1 | 306.2 | 535.7 | 662.2 | 691.9 | 682.5 |
| 42.5° | 460.5 | 296.9 | 518.8 | 642.9 | 649.9 | 639.3 |
| 45° | 432.8 | 286.0 | 501.5 | 617.7 | 605.1 | 595.2 |
| 47.5° | 403.1 | 275.6 | 484.0 | 583.2 | 561.2 | 556.9 |
| 50° | 372.5 | 262.8 | 469.3 | 539.1 | 520.9 | 517.4 |
| 52.5° | 344.8 | 249.5 | 453.7 | 494.9 | 481.0 | 480.6 |
| 55° | 314.8 | 234.9 | 432.8 | 448.8 | 444.5 | 447.3 |
| 57.5° | 285.6 | 219.9 | 407.8 | 407.4 | 414.6 | 422.5 |
| 60° | 257.2 | 203.0 | 375.9 | 367.3 | 388.1 | 403.1 |
| 62.5° | 228.0 | 186.4 | 342.3 | 333.7 | 369.3 | 392.9 |
| 65° | 202.2 | 167.5 | 301.1 | 304.0 | 360.8 | 393.7 |
| 67.5° | 182.2 | 147.5 | 258.1 | 282.0 | 364.2 | 398.6 |
| 70° | 164.4 | 127.1 | 219.4 | 267.3 | 365.5 | 397.9 |
| 72.5° | 147.8 | 104.6 | 182.2 | 266.0 | 359.0 | 389.2 |
| 75° | 130.5 | 84.0 | 154.6 | 263.7 | 350.9 | 382.8 |
| 77.5° | 111.1 | 64.2 | 135.7 | 252.7 | 344.3 | 380.1 |
| 80° | 90.6 | 46.8 | 127.7 | 245.5 | 346.4 | 382.8 |
| 82.5° | 71.9 | 33.2 | 120.3 | 245.3 | 348.6 | 385.8 |
| 85° | 56.8 | 26.7 | 115.6 | 246.1 | 349.5 | 388.2 |
| 87.5° | 50.1 | 22.6 | 115.2 | 246.0 | 350.6 | 389.2 |
| 90° | 50.7 | 21.3 | 115.2 | 246.4 | 350.9 | 388.2 |
| 92.5° | 52.6 | 29.1 | 135.2 | 261.9 | 354.5 | 380.4 |
| 95° | 62.7 | 33.9 | 134.9 | 259.9 | 352.2 | 379.2 |
| 97.5° | 76.2 | 42.8 | 139.4 | 259.9 | 351.4 | 378.1 |
| 100° | 86.6 | 58.7 | 148.0 | 261.4 | 347.8 | 374.0 |
| 102.5° | 103.0 | 78.1 | 159.1 | 270.8 | 350.9 | 374.8 |
| 105° | 121.6 | 99.7 | 181.8 | 278.8 | 358.6 | 381.1 |
| 107.5° | 145.1 | 122.2 | 210.4 | 280.6 | 367.3 | 389.2 |
| 110° | 174.6 | 143.5 | 248.2 | 294.1 | 367.3 | 391.7 |



TEST NUMBER: 25485

CATALOG NUMBER: 103-CFL/2/39-120V-SWH

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|-------|--------|-------|--------|-------|
| 112.5° | 203.8 | 164.0 | 287.4 | 316.7 | 368.2 | 388.7 |
| 115° | 237.2 | 182.2 | 330.6 | 342.3 | 381.5 | 396.1 |
| 117.5° | 270.8 | 200.8 | 373.6 | 376.1 | 402.4 | 411.4 |
| 120° | 304.2 | 216.2 | 407.4 | 411.2 | 425.9 | 433.2 |
| 122.5° | 336.2 | 232.4 | 437.6 | 452.2 | 457.6 | 460.3 |
| 125° | 369.8 | 245.9 | 462.6 | 492.3 | 492.9 | 493.4 |
| 127.5° | 403.6 | 259.2 | 480.6 | 538.4 | 531.0 | 529.9 |
| 130° | 433.1 | 271.4 | 495.4 | 581.0 | 568.8 | 565.4 |
| 132.5° | 460.1 | 282.6 | 507.1 | 618.8 | 611.0 | 605.5 |
| 135° | 480.4 | 292.2 | 519.5 | 648.5 | 654.6 | 650.3 |
| 137.5° | 495.7 | 301.6 | 537.7 | 669.7 | 691.9 | 689.1 |
| 140° | 505.1 | 309.6 | 557.6 | 685.5 | 724.4 | 725.8 |
| 142.5° | 513.4 | 316.5 | 575.1 | 691.1 | 745.8 | 750.0 |
| 145° | 516.3 | 322.7 | 581.4 | 689.5 | 760.2 | 767.4 |
| 147.5° | 514.3 | 327.7 | 574.9 | 684.3 | 761.6 | 773.3 |
| 150° | 509.8 | 333.0 | 561.8 | 682.1 | 754.4 | 768.9 |
| 152.5° | 502.6 | 336.8 | 550.4 | 695.8 | 739.1 | 757.0 |
| 155° | 493.7 | 339.6 | 534.1 | 710.9 | 726.2 | 738.3 |
| 157.5° | 484.2 | 342.6 | 517.7 | 710.0 | 736.3 | 739.9 |
| 160° | 471.1 | 344.3 | 497.4 | 681.1 | 748.3 | 750.3 |
| 162.5° | 457.1 | 345.8 | 476.0 | 636.8 | 735.0 | 750.0 |
| 165° | 443.2 | 345.2 | 454.9 | 592.9 | 682.2 | 703.3 |
| 167.5° | 426.3 | 345.0 | 429.5 | 544.7 | 619.7 | 637.7 |
| 170° | 409.6 | 344.5 | 404.2 | 497.4 | 556.6 | 567.7 |
| 172.5° | 391.7 | 343.2 | 379.0 | 443.9 | 486.0 | 492.3 |
| 175° | 371.8 | 341.3 | 357.2 | 394.5 | 417.8 | 421.1 |
| 177.5° | 350.4 | 340.5 | 341.4 | 353.6 | 360.1 | 361.2 |
| 180° | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |

(END OF REPORT)