

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: FAIL-SAFE

Report Number: P735572

Luminaire Tested: **4APN6-19-B2750-W2D-5000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735572
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P709119)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 4APN6-19-B2750-W2D-5000K
Description: 4FT 1900 AMBIENT LUMEN OUTPUT APN WITH BIO UP LEDS AT 5000K CCT

Light Source: -
Ballast/Driver: -

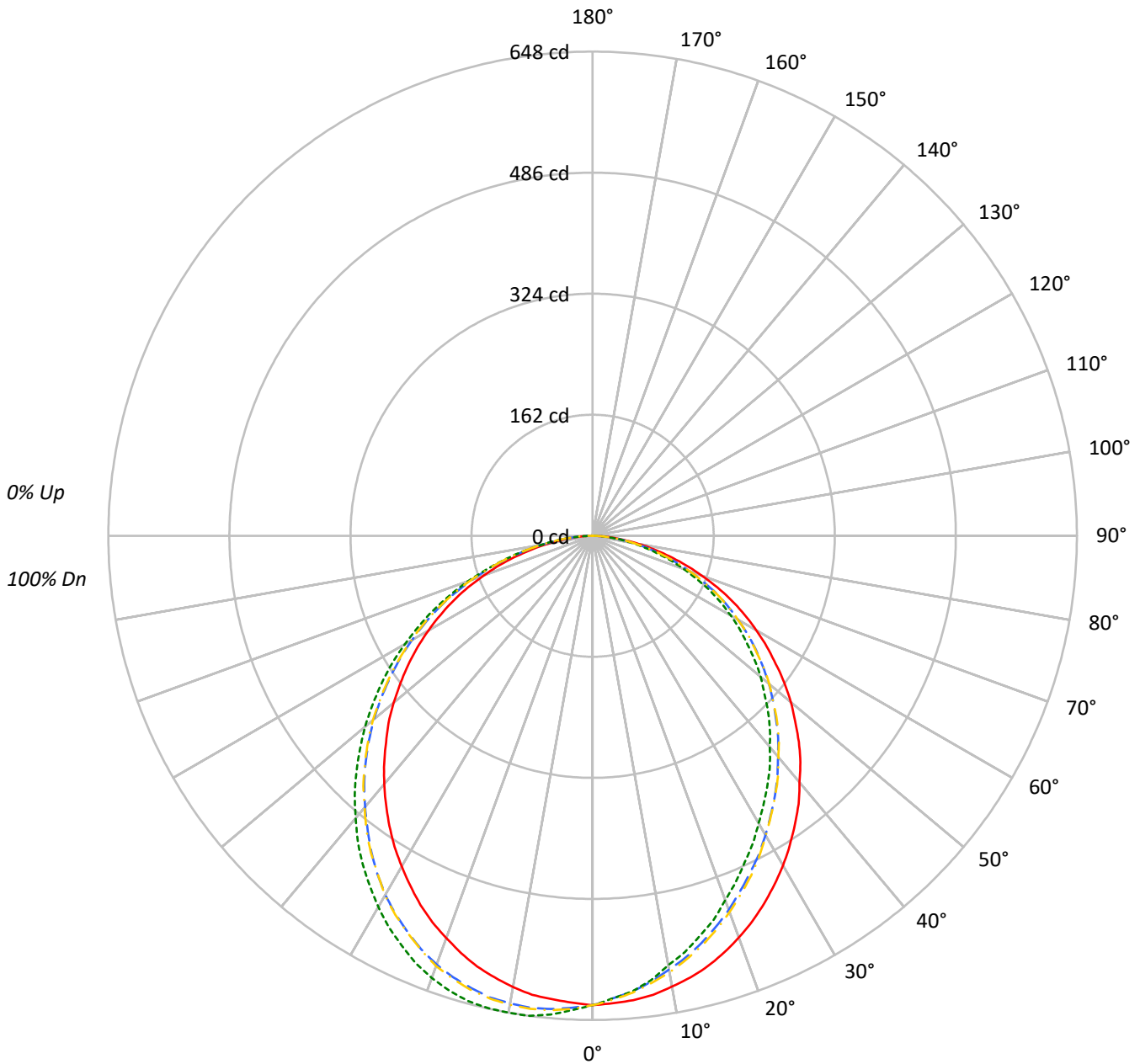
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1685.0 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.33
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 19
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: P735572
CATALOG NUMBER: 4APN6-19-B2750-W2D-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P735572

CATALOG NUMBER: 4APN6-19-B2750-W2D-5000K

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 | 109 | 104 | 100 | 96 | 106 | 102 | 98 | 95 | 98 | 94 | 92 | 94 | 91 | 89 | 90 | 88 | 86 | 84 | | | | | | | | | | | | | | | | | | | |
| 2 | 99 | 91 | 84 | 78 | 96 | 89 | 83 | 77 | 85 | 80 | 76 | 82 | 78 | 74 | 79 | 76 | 72 | 70 | | | | | | | | | | | | | | | | | | | |
| 3 | 90 | 80 | 72 | 65 | 88 | 78 | 71 | 65 | 75 | 69 | 64 | 73 | 67 | 62 | 70 | 65 | 61 | 59 | | | | | | | | | | | | | | | | | | | |
| 4 | 83 | 71 | 62 | 55 | 81 | 70 | 61 | 55 | 67 | 60 | 54 | 65 | 59 | 54 | 63 | 57 | 53 | 51 | | | | | | | | | | | | | | | | | | | |
| 5 | 76 | 63 | 54 | 48 | 74 | 62 | 54 | 48 | 60 | 53 | 47 | 58 | 52 | 47 | 56 | 51 | 46 | 44 | | | | | | | | | | | | | | | | | | | |
| 6 | 70 | 57 | 48 | 42 | 68 | 56 | 48 | 42 | 54 | 47 | 41 | 53 | 46 | 41 | 51 | 45 | 41 | 38 | | | | | | | | | | | | | | | | | | | |
| 7 | 65 | 52 | 43 | 37 | 64 | 51 | 43 | 37 | 49 | 42 | 37 | 48 | 41 | 36 | 47 | 41 | 36 | 34 | | | | | | | | | | | | | | | | | | | |
| 8 | 61 | 47 | 39 | 33 | 59 | 47 | 39 | 33 | 45 | 38 | 33 | 44 | 37 | 33 | 43 | 37 | 32 | 30 | | | | | | | | | | | | | | | | | | | |
| 9 | 57 | 43 | 35 | 30 | 55 | 43 | 35 | 30 | 42 | 35 | 30 | 41 | 34 | 29 | 40 | 34 | 29 | 27 | | | | | | | | | | | | | | | | | | | |
| 10 | 53 | 40 | 32 | 27 | 52 | 40 | 32 | 27 | 39 | 32 | 27 | 38 | 31 | 27 | 37 | 31 | 27 | 25 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|------|------|------|------|
| 0° | 5797 | 5797 | 5797 | 5797 |
| 5° | 5779 | 5667 | 5766 | 5957 |
| 10° | 5739 | 5467 | 5747 | 6072 |
| 15° | 5696 | 5295 | 5702 | 6157 |
| 20° | 5618 | 5095 | 5624 | 6183 |
| 25° | 5528 | 4906 | 5549 | 6157 |
| 30° | 5428 | 4732 | 5444 | 6110 |
| 35° | 5315 | 4594 | 5339 | 6044 |
| 40° | 5187 | 4442 | 5222 | 5940 |
| 45° | 5091 | 4331 | 5100 | 5832 |
| 50° | 4969 | 4213 | 4988 | 5703 |
| 55° | 4813 | 4058 | 4847 | 5545 |
| 60° | 4668 | 3934 | 4683 | 5351 |
| 65° | 4484 | 3770 | 4484 | 5122 |
| 70° | 4179 | 3491 | 4162 | 4772 |
| 75° | 3800 | 3165 | 3750 | 4285 |
| 80° | 3289 | 2720 | 3172 | 3666 |
| 85° | 2562 | 2032 | 2414 | 3006 |



TEST NUMBER: P735572

CATALOG NUMBER: 4APN6-19-B2750-W2D-5000K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 59.4 | 3.5 |
| 10°-20° | 168.5 | 10.0 |
| 20°-30° | 250.5 | 14.9 |
| 30°-40° | 295.2 | 17.5 |
| 40°-50° | 300.6 | 17.8 |
| 50°-60° | 267.8 | 15.9 |
| 60°-70° | 201.7 | 12.0 |
| 70°-80° | 112.2 | 6.7 |
| 80°-90° | 29.1 | 1.7 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 478.3 | 28.4 |
| 0°-40° | 773.5 | 45.9 |
| 0°-60° | 1341.9 | 79.6 |
| 0°-90° | 1685.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1685.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|-----|-----|------|------|------|------|
| 0° | 628 | 628 | 628 | 628 | 628 | |
| 5° | 624 | 612 | 623 | 643 | 624 | 59 |
| 15° | 596 | 554 | 597 | 645 | 596 | 168 |
| 25° | 543 | 482 | 545 | 605 | 543 | 250 |
| 35° | 472 | 408 | 474 | 537 | 472 | 295 |
| 45° | 390 | 332 | 391 | 447 | 390 | 301 |
| 55° | 299 | 252 | 301 | 345 | 299 | 268 |
| 65° | 205 | 173 | 205 | 235 | 205 | 203 |
| 75° | 107 | 89 | 105 | 120 | 107 | 113 |
| 85° | 24 | 19 | 23 | 28 | 24 | 29 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P735572

CATALOG NUMBER: 4APN6-19-B2750-W2D-5000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 628.3 | 628.3 | 628.3 | 628.3 | 628.3 | 628.3 | 628.3 | 628.3 | 628.3 | 628.3 | 628.3 |
| 2.5° | 626.1 | 626.1 | 626.8 | 624.0 | 620.5 | 619.0 | 618.4 | 617.6 | 619.0 | 619.7 | 619.0 |
| 5° | 624.0 | 622.6 | 621.2 | 617.6 | 613.4 | 610.5 | 609.1 | 608.4 | 609.8 | 611.9 | 609.8 |
| 7.5° | 619.7 | 616.9 | 614.0 | 609.1 | 604.1 | 599.8 | 597.7 | 596.3 | 597.7 | 599.8 | 598.4 |
| 10° | 612.6 | 609.1 | 604.8 | 599.2 | 592.0 | 587.1 | 584.9 | 582.8 | 583.5 | 583.5 | 583.5 |
| 12.5° | 605.5 | 600.6 | 595.6 | 588.5 | 580.6 | 575.0 | 571.4 | 568.6 | 570.0 | 570.7 | 570.7 |
| 15° | 596.3 | 589.9 | 582.8 | 575.0 | 567.2 | 560.7 | 556.5 | 553.6 | 554.4 | 554.4 | 555.1 |
| 17.5° | 584.9 | 577.8 | 570.7 | 561.5 | 552.2 | 545.1 | 540.2 | 536.6 | 538.0 | 538.7 | 539.4 |
| 20° | 572.2 | 564.3 | 556.5 | 546.5 | 536.6 | 528.8 | 523.8 | 519.5 | 518.9 | 518.9 | 519.5 |
| 22.5° | 558.6 | 550.1 | 540.9 | 530.2 | 519.5 | 511.0 | 506.0 | 501.8 | 501.1 | 501.1 | 501.8 |
| 25° | 543.0 | 533.7 | 524.5 | 513.9 | 502.4 | 494.0 | 487.5 | 483.3 | 482.6 | 481.9 | 483.3 |
| 27.5° | 526.6 | 517.4 | 508.2 | 497.5 | 485.4 | 476.9 | 470.5 | 466.2 | 464.8 | 464.1 | 465.5 |
| 30° | 509.5 | 498.9 | 489.0 | 477.6 | 466.9 | 458.4 | 452.0 | 447.0 | 445.7 | 444.2 | 445.7 |
| 32.5° | 491.1 | 480.4 | 469.8 | 458.4 | 447.8 | 439.2 | 432.8 | 427.9 | 426.5 | 425.7 | 427.1 |
| 35° | 471.9 | 461.2 | 451.3 | 439.9 | 429.2 | 420.8 | 414.4 | 410.1 | 408.7 | 407.9 | 408.7 |
| 37.5° | 452.7 | 442.1 | 432.1 | 420.8 | 410.1 | 401.6 | 395.1 | 390.9 | 390.2 | 389.5 | 390.2 |
| 40° | 430.7 | 421.5 | 411.5 | 400.8 | 390.2 | 381.7 | 376.7 | 371.7 | 370.3 | 368.8 | 371.0 |
| 42.5° | 411.5 | 402.3 | 392.4 | 382.4 | 371.7 | 363.2 | 357.5 | 353.3 | 351.8 | 351.1 | 351.8 |
| 45° | 390.2 | 380.3 | 370.3 | 361.0 | 351.1 | 343.3 | 337.6 | 333.3 | 332.6 | 331.9 | 332.6 |
| 47.5° | 367.5 | 358.9 | 350.4 | 341.2 | 331.2 | 323.4 | 318.4 | 314.2 | 312.7 | 311.3 | 312.7 |
| 50° | 346.2 | 337.6 | 329.1 | 320.5 | 311.3 | 304.2 | 299.2 | 295.0 | 294.2 | 293.5 | 294.2 |
| 52.5° | 323.4 | 314.8 | 307.1 | 298.5 | 290.6 | 283.5 | 278.6 | 275.1 | 274.3 | 273.6 | 274.3 |
| 55° | 299.2 | 292.1 | 285.0 | 277.9 | 270.1 | 263.7 | 259.4 | 255.1 | 253.8 | 252.3 | 253.8 |
| 57.5° | 276.4 | 270.1 | 263.0 | 255.9 | 248.8 | 243.1 | 238.8 | 235.2 | 234.6 | 233.8 | 234.6 |
| 60° | 253.0 | 247.3 | 240.9 | 234.6 | 227.4 | 221.8 | 218.2 | 215.3 | 213.9 | 213.2 | 213.9 |
| 62.5° | 229.6 | 223.9 | 218.9 | 212.5 | 206.1 | 201.8 | 198.3 | 195.5 | 194.0 | 193.3 | 194.0 |
| 65° | 205.4 | 200.5 | 195.5 | 189.8 | 184.8 | 180.5 | 176.9 | 174.1 | 173.4 | 172.7 | 172.7 |
| 67.5° | 180.5 | 176.3 | 172.0 | 167.0 | 161.4 | 157.0 | 153.5 | 151.4 | 150.7 | 149.9 | 150.7 |
| 70° | 154.9 | 151.4 | 147.1 | 142.8 | 138.6 | 135.0 | 132.9 | 130.8 | 130.1 | 129.4 | 129.4 |
| 72.5° | 130.8 | 127.9 | 124.4 | 120.8 | 117.3 | 113.7 | 111.6 | 110.2 | 109.5 | 108.7 | 108.7 |
| 75° | 106.6 | 103.7 | 101.6 | 98.8 | 95.3 | 93.1 | 91.0 | 89.5 | 88.8 | 88.8 | 88.8 |
| 77.5° | 83.9 | 81.7 | 79.6 | 76.7 | 74.6 | 72.5 | 71.1 | 70.4 | 69.6 | 69.6 | 69.6 |
| 80° | 61.9 | 60.4 | 59.0 | 57.5 | 55.4 | 53.3 | 52.6 | 51.9 | 51.2 | 51.2 | 51.2 |
| 82.5° | 42.0 | 41.2 | 39.8 | 38.4 | 37.0 | 36.2 | 35.5 | 34.9 | 34.9 | 34.9 | 34.9 |
| 85° | 24.2 | 23.4 | 22.8 | 22.0 | 21.3 | 21.3 | 20.6 | 19.9 | 19.2 | 19.2 | 19.2 |
| 87.5° | 10.0 | 10.0 | 10.0 | 9.2 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P735572

CATALOG NUMBER: 4APN6-19-B2750-W2D-5000K

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 628.3 | 628.3 | 628.3 | 628.3 | 628.3 | 628.3 | 628.3 | 628.3 | 628.3 | 628.3 | 628.3 |
| 2.5° | 617.6 | 619.0 | 620.5 | 622.6 | 624.7 | 626.8 | 626.1 | 625.5 | 628.3 | 631.8 | 632.6 |
| 5° | 608.4 | 609.8 | 611.9 | 615.5 | 619.0 | 621.9 | 622.6 | 622.6 | 628.3 | 633.3 | 634.7 |
| 7.5° | 597.0 | 599.2 | 601.9 | 605.5 | 610.5 | 614.8 | 616.9 | 619.7 | 625.5 | 631.8 | 634.7 |
| 10° | 582.8 | 586.4 | 590.6 | 595.6 | 600.6 | 605.5 | 609.8 | 613.4 | 620.5 | 627.6 | 631.8 |
| 12.5° | 570.0 | 573.5 | 577.8 | 583.5 | 589.9 | 596.3 | 600.6 | 605.5 | 614.0 | 622.6 | 627.6 |
| 15° | 555.7 | 559.3 | 564.3 | 570.0 | 577.1 | 584.2 | 590.6 | 597.0 | 605.5 | 614.8 | 620.5 |
| 17.5° | 540.2 | 543.7 | 548.6 | 555.7 | 563.6 | 571.4 | 578.5 | 585.6 | 595.6 | 605.5 | 611.9 |
| 20° | 521.0 | 526.0 | 532.3 | 539.4 | 548.6 | 557.9 | 565.1 | 572.8 | 583.5 | 594.2 | 601.3 |
| 22.5° | 502.4 | 507.4 | 514.5 | 523.1 | 533.1 | 543.0 | 551.5 | 560.1 | 571.4 | 582.1 | 589.9 |
| 25° | 484.7 | 490.4 | 497.5 | 506.0 | 515.3 | 525.2 | 535.2 | 545.1 | 556.5 | 567.8 | 575.7 |
| 27.5° | 466.9 | 471.9 | 479.0 | 487.5 | 498.2 | 508.2 | 518.1 | 528.1 | 540.2 | 552.2 | 560.7 |
| 30° | 447.0 | 452.7 | 459.1 | 467.7 | 479.0 | 490.4 | 500.3 | 511.0 | 523.1 | 535.2 | 543.7 |
| 32.5° | 428.6 | 433.6 | 439.9 | 448.5 | 459.8 | 471.2 | 481.9 | 493.2 | 504.6 | 516.7 | 525.2 |
| 35° | 410.1 | 415.0 | 421.5 | 430.0 | 441.3 | 452.7 | 463.3 | 474.0 | 485.4 | 496.8 | 505.3 |
| 37.5° | 391.6 | 396.6 | 403.0 | 411.5 | 422.1 | 433.6 | 443.5 | 454.1 | 465.5 | 476.9 | 484.7 |
| 40° | 372.4 | 377.4 | 382.4 | 390.9 | 401.6 | 412.9 | 422.9 | 433.6 | 444.9 | 456.2 | 464.1 |
| 42.5° | 353.3 | 358.2 | 364.6 | 373.1 | 383.0 | 393.0 | 403.0 | 412.9 | 423.6 | 434.2 | 442.1 |
| 45° | 334.1 | 338.3 | 344.7 | 352.5 | 362.5 | 371.7 | 381.7 | 390.9 | 401.6 | 411.5 | 419.3 |
| 47.5° | 314.2 | 318.4 | 323.4 | 331.2 | 341.2 | 351.1 | 361.0 | 370.3 | 379.5 | 389.5 | 396.6 |
| 50° | 295.0 | 299.2 | 304.9 | 312.0 | 321.3 | 330.5 | 339.0 | 347.5 | 356.8 | 366.0 | 372.4 |
| 52.5° | 275.1 | 279.3 | 284.3 | 291.4 | 299.2 | 307.7 | 315.5 | 324.1 | 332.6 | 341.2 | 347.5 |
| 55° | 255.1 | 258.0 | 262.2 | 268.7 | 277.2 | 285.7 | 293.5 | 301.3 | 309.2 | 316.3 | 322.6 |
| 57.5° | 235.2 | 238.8 | 243.8 | 249.4 | 256.6 | 263.7 | 270.8 | 277.9 | 285.0 | 292.1 | 297.8 |
| 60° | 215.3 | 218.2 | 221.8 | 226.7 | 233.8 | 240.2 | 247.3 | 253.8 | 260.1 | 266.5 | 271.5 |
| 62.5° | 194.7 | 197.6 | 201.1 | 206.1 | 211.8 | 217.5 | 223.9 | 229.6 | 235.2 | 240.9 | 245.9 |
| 65° | 173.4 | 176.3 | 179.8 | 184.0 | 189.0 | 194.0 | 199.7 | 205.4 | 209.7 | 213.9 | 218.9 |
| 67.5° | 151.4 | 154.3 | 157.8 | 161.4 | 165.6 | 170.6 | 175.6 | 180.5 | 184.8 | 189.0 | 192.6 |
| 70° | 130.1 | 132.2 | 135.7 | 138.6 | 142.2 | 145.7 | 149.9 | 154.3 | 157.0 | 160.6 | 164.9 |
| 72.5° | 109.5 | 111.6 | 114.4 | 117.3 | 119.4 | 122.3 | 126.5 | 130.1 | 133.6 | 137.9 | 140.0 |
| 75° | 89.5 | 91.0 | 93.1 | 95.3 | 97.4 | 99.5 | 102.4 | 105.2 | 108.1 | 110.2 | 113.0 |
| 77.5° | 69.6 | 71.1 | 73.2 | 74.6 | 76.1 | 77.5 | 79.6 | 81.7 | 83.9 | 85.3 | 88.2 |
| 80° | 51.2 | 52.6 | 54.0 | 55.4 | 56.9 | 58.3 | 59.0 | 59.7 | 62.5 | 64.6 | 66.1 |
| 82.5° | 34.9 | 35.5 | 36.2 | 37.7 | 38.4 | 39.1 | 39.8 | 39.8 | 41.2 | 42.6 | 44.8 |
| 85° | 19.9 | 20.6 | 21.3 | 21.3 | 21.3 | 21.3 | 22.0 | 22.8 | 23.4 | 24.9 | 26.3 |
| 87.5° | 7.8 | 7.8 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 9.2 | 10.7 | 11.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P735572

CATALOG NUMBER: 4APN6-19-B2750-W2D-5000K

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 628.3 | 628.3 | 628.3 | 628.3 | 628.3 | 628.3 | 628.3 | 628.3 | 628.3 | 628.3 | 628.3 |
| 2.5° | 631.8 | 632.6 | 633.9 | 634.7 | 635.4 | 635.4 | 636.1 | 636.8 | 635.4 | 633.9 | 633.3 |
| 5° | 635.4 | 636.1 | 638.2 | 640.4 | 641.8 | 643.2 | 642.5 | 641.8 | 640.4 | 638.2 | 636.8 |
| 7.5° | 636.1 | 638.2 | 640.4 | 643.2 | 645.4 | 648.1 | 646.8 | 645.4 | 642.5 | 639.7 | 637.5 |
| 10° | 633.9 | 636.8 | 640.4 | 643.9 | 646.0 | 648.1 | 646.8 | 645.4 | 642.5 | 638.9 | 636.1 |
| 12.5° | 631.1 | 634.7 | 638.9 | 642.5 | 644.6 | 647.5 | 645.4 | 643.2 | 639.7 | 636.1 | 632.6 |
| 15° | 624.7 | 629.0 | 633.9 | 638.2 | 641.8 | 644.6 | 642.5 | 641.0 | 636.8 | 631.8 | 626.8 |
| 17.5° | 616.9 | 622.6 | 627.6 | 632.6 | 635.4 | 638.2 | 636.8 | 635.4 | 630.4 | 624.7 | 619.0 |
| 20° | 607.7 | 613.4 | 618.4 | 623.3 | 626.8 | 629.7 | 627.6 | 625.5 | 620.5 | 615.5 | 609.8 |
| 22.5° | 596.3 | 601.9 | 607.7 | 612.6 | 616.2 | 619.0 | 616.2 | 612.6 | 607.7 | 602.7 | 597.0 |
| 25° | 582.1 | 588.5 | 594.8 | 599.8 | 601.9 | 604.8 | 601.9 | 599.2 | 594.2 | 589.2 | 582.8 |
| 27.5° | 567.8 | 574.3 | 580.6 | 585.6 | 587.7 | 590.6 | 587.7 | 584.9 | 579.9 | 575.0 | 568.6 |
| 30° | 551.5 | 557.9 | 564.3 | 569.3 | 571.4 | 573.5 | 570.7 | 567.8 | 563.6 | 558.6 | 552.2 |
| 32.5° | 533.1 | 539.4 | 544.4 | 549.4 | 552.2 | 555.1 | 552.2 | 550.1 | 545.1 | 538.7 | 532.3 |
| 35° | 513.1 | 519.5 | 526.0 | 530.9 | 533.7 | 536.6 | 533.1 | 529.5 | 525.2 | 520.2 | 514.5 |
| 37.5° | 491.1 | 498.2 | 505.3 | 511.0 | 513.1 | 516.0 | 513.1 | 509.5 | 505.3 | 500.3 | 494.0 |
| 40° | 470.5 | 476.9 | 483.3 | 489.0 | 491.1 | 493.2 | 490.4 | 487.5 | 482.6 | 477.6 | 471.2 |
| 42.5° | 449.2 | 455.6 | 461.2 | 466.2 | 468.3 | 471.2 | 468.3 | 464.8 | 461.2 | 457.0 | 451.3 |
| 45° | 426.5 | 432.8 | 437.8 | 442.8 | 444.9 | 447.0 | 444.2 | 440.7 | 437.1 | 433.6 | 427.9 |
| 47.5° | 403.0 | 408.7 | 413.7 | 418.6 | 420.0 | 422.1 | 419.3 | 417.2 | 413.7 | 410.1 | 405.1 |
| 50° | 378.8 | 384.5 | 389.5 | 393.7 | 395.1 | 397.3 | 394.5 | 391.6 | 388.8 | 385.9 | 381.7 |
| 52.5° | 353.9 | 358.9 | 363.9 | 368.2 | 369.6 | 371.0 | 368.2 | 365.3 | 362.5 | 359.6 | 355.4 |
| 55° | 328.4 | 333.3 | 338.3 | 341.8 | 343.3 | 344.7 | 341.8 | 339.7 | 336.8 | 334.7 | 330.5 |
| 57.5° | 302.7 | 307.7 | 312.0 | 315.5 | 317.0 | 318.4 | 315.5 | 312.7 | 310.6 | 308.4 | 304.9 |
| 60° | 276.4 | 281.4 | 285.0 | 287.9 | 289.3 | 290.0 | 287.1 | 285.0 | 283.5 | 282.2 | 278.6 |
| 62.5° | 250.9 | 254.4 | 258.0 | 260.1 | 261.5 | 262.2 | 260.1 | 258.7 | 257.3 | 255.9 | 253.0 |
| 65° | 223.9 | 228.1 | 231.0 | 233.1 | 233.8 | 234.6 | 232.4 | 231.0 | 229.6 | 228.1 | 226.0 |
| 67.5° | 196.9 | 200.5 | 202.6 | 204.7 | 205.4 | 205.4 | 205.4 | 204.7 | 203.2 | 201.1 | 199.0 |
| 70° | 169.8 | 172.7 | 174.8 | 176.3 | 176.9 | 176.9 | 175.6 | 174.1 | 174.1 | 173.4 | 172.0 |
| 72.5° | 142.2 | 144.3 | 145.7 | 147.1 | 147.1 | 147.1 | 147.1 | 147.8 | 147.1 | 145.7 | 143.6 |
| 75° | 115.8 | 118.0 | 119.4 | 120.2 | 120.2 | 120.2 | 120.2 | 120.8 | 120.2 | 119.4 | 118.0 |
| 77.5° | 91.0 | 92.4 | 93.1 | 93.8 | 93.8 | 93.8 | 94.5 | 95.3 | 94.5 | 93.8 | 93.1 |
| 80° | 67.5 | 68.2 | 69.0 | 69.6 | 69.0 | 69.0 | 69.6 | 71.1 | 70.4 | 69.6 | 69.0 |
| 82.5° | 46.2 | 46.9 | 47.6 | 47.6 | 48.3 | 49.1 | 49.1 | 49.1 | 49.1 | 48.3 | 47.6 |
| 85° | 27.8 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 29.1 | 29.9 | 29.9 | 29.1 | 29.1 |
| 87.5° | 12.8 | 13.5 | 12.8 | 12.1 | 11.3 | 11.3 | 12.8 | 14.2 | 14.2 | 13.5 | 13.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P735572

CATALOG NUMBER: 4APN6-19-B2750-W2D-5000K

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|-------|-------|-------|-------|-------|
| 0° | 628.3 | 628.3 | 628.3 | 628.3 |
| 2.5° | 633.9 | 633.3 | 629.7 | 626.1 |
| 5° | 636.1 | 633.9 | 629.0 | 624.0 |
| 7.5° | 636.1 | 633.3 | 626.1 | 619.7 |
| 10° | 632.6 | 628.3 | 620.5 | 612.6 |
| 12.5° | 628.3 | 623.3 | 614.0 | 605.5 |
| 15° | 621.9 | 616.2 | 606.3 | 596.3 |
| 17.5° | 612.6 | 605.5 | 595.6 | 584.9 |
| 20° | 603.4 | 595.6 | 583.5 | 572.2 |
| 22.5° | 590.6 | 583.5 | 570.7 | 558.6 |
| 25° | 576.4 | 568.6 | 555.7 | 543.0 |
| 27.5° | 561.5 | 552.2 | 539.4 | 526.6 |
| 30° | 544.4 | 535.2 | 522.4 | 509.5 |
| 32.5° | 526.0 | 517.4 | 504.6 | 491.1 |
| 35° | 507.4 | 498.2 | 485.4 | 471.9 |
| 37.5° | 486.9 | 478.3 | 465.5 | 452.7 |
| 40° | 464.8 | 456.2 | 443.5 | 430.7 |
| 42.5° | 444.2 | 436.4 | 423.6 | 411.5 |
| 45° | 421.5 | 413.7 | 401.6 | 390.2 |
| 47.5° | 398.0 | 390.2 | 378.8 | 367.5 |
| 50° | 375.3 | 367.5 | 356.8 | 346.2 |
| 52.5° | 349.7 | 343.3 | 333.3 | 323.4 |
| 55° | 324.8 | 318.4 | 308.4 | 299.2 |
| 57.5° | 300.0 | 294.2 | 285.0 | 276.4 |
| 60° | 273.6 | 268.0 | 260.9 | 253.0 |
| 62.5° | 248.8 | 243.8 | 236.7 | 229.6 |
| 65° | 222.5 | 218.2 | 211.8 | 205.4 |
| 67.5° | 195.5 | 191.9 | 186.2 | 180.5 |
| 70° | 168.5 | 164.2 | 159.9 | 154.9 |
| 72.5° | 141.5 | 139.3 | 135.0 | 130.8 |
| 75° | 115.8 | 113.7 | 110.2 | 106.6 |
| 77.5° | 91.7 | 89.5 | 86.7 | 83.9 |
| 80° | 67.5 | 66.1 | 64.0 | 61.9 |
| 82.5° | 46.9 | 45.5 | 44.1 | 42.0 |
| 85° | 28.4 | 27.0 | 25.6 | 24.2 |
| 87.5° | 12.8 | 12.1 | 10.7 | 10.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





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













(END OF REPORT)