



UL Verification Services Inc.
7036 Snowdrift Road
Allentown, PA 18106
610-774-1300

Integrating Sphere Test Report

Relevant Standards
IES LM-79-2008
ANSI C78.377-2011, ANSI C82.77-2002
CIE 13.3-1995, CIE 15-2004

Prepared For
Elemental LED Inc, DBA Diode LED
Wes Buck
Suite 211, 1195 Park Ave.
Emeryville, CA 94608
United States

Catalog Number
BLAZE™ 12v LED Tape Light DI-12V-BL30-80XX

Order Number
10460077
Test Number
758919

Test Date
2014-09-24

Prepared By

Javier Caban

Javier Caban, Technician

Approved By

Eric M. Gaudreau

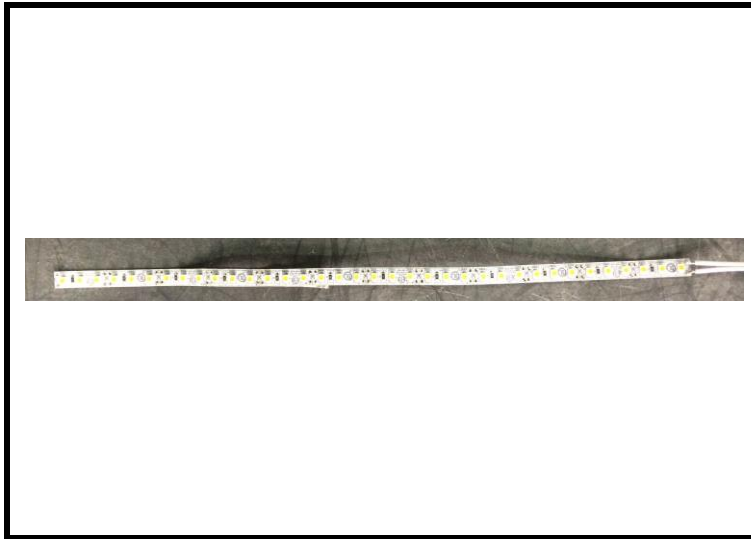
Eric Gaudreau, Engineering Project Handler

The results contained in this report pertain only to the tested sample.
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Luminaire Description: LED strip
Catalog Number: BLAZE™ 12v LED Tape Light DI-12V-BL30-80XX
Lamp: 36 white LEDs
Mounting: Surface
Ballast/Driver: One Meanwell LPV-60-12

Luminaire



Summary of Results

Radiant Flux: 883.3 mW
Luminous Flux: 288.2 Lumens
Luminaire Efficacy: 68.9 Lumens/Watt
CCT: 3055 K
CRI (Ra): 81.4
Chromaticity (x): 0.4336
Chromaticity (y): 0.4042
Chromaticity (u): 0.2484
Chromaticity (v): 0.3473
Duv: 0.0005

Test Conditions

Test Temperature: 24.1 °C
Voltage: 120.0 VAC
Current: 0.08545 A
Power: 4.180 W
Power Factor: 0.408
Frequency: 60 Hz
Current THD: 189 %

Testing was performed in a 1-meter integrating sphere using the 4 π geometry method.

Absorption correction was employed for this measurement.

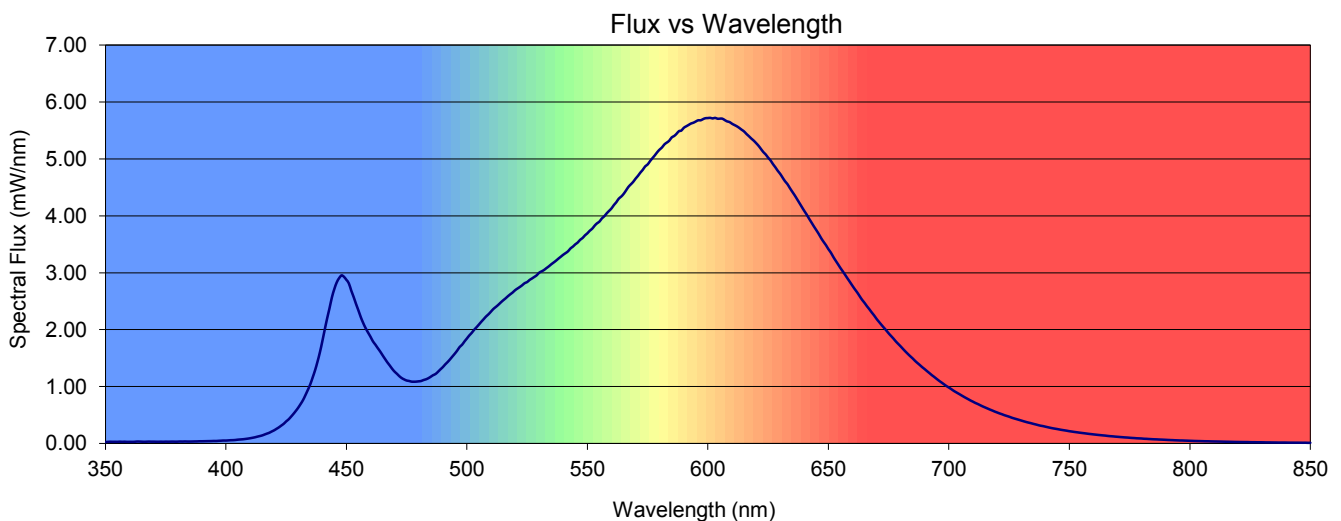
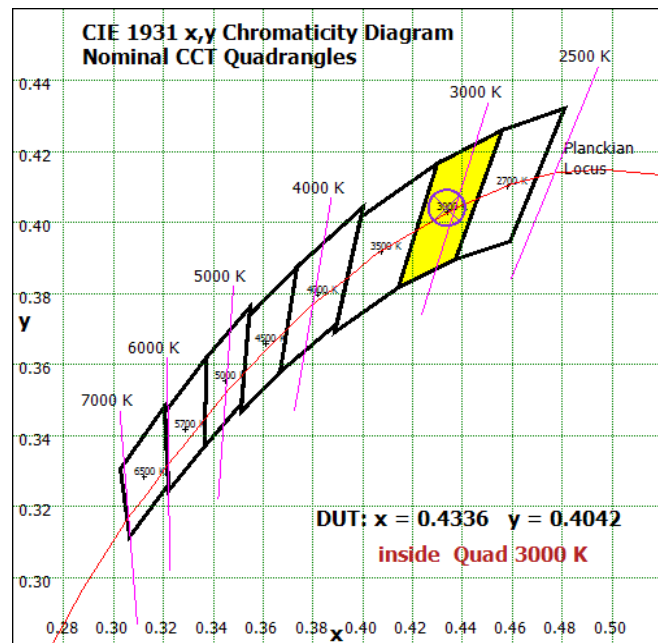
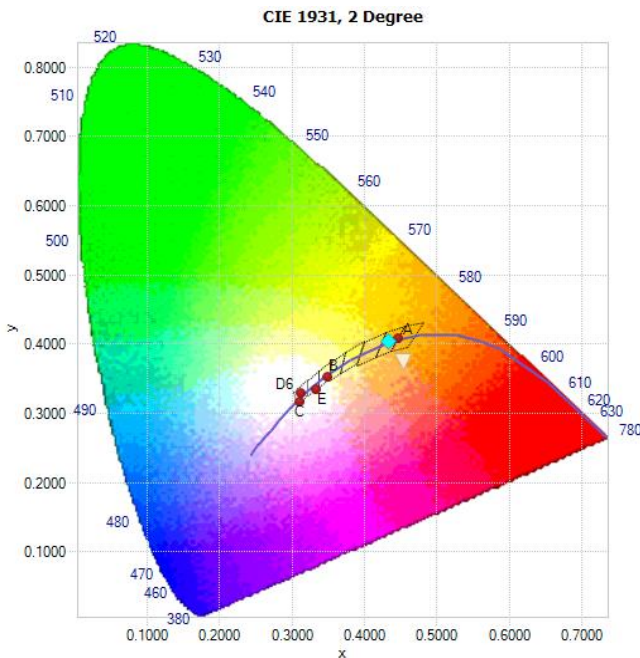


Chromaticity Coordinates

| x | y | u | v | u' | v' | Duv |
|--------|--------|--------|--------|--------|--------|--------|
| 0.4336 | 0.4042 | 0.2484 | 0.3473 | 0.2484 | 0.5209 | 0.0005 |

Color Rendering Index Detail

| Ra (CRI) | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 |
|----------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|
| 81.4 | 79.2 | 89.1 | 96.6 | 79.2 | 79.2 | 86.1 | 83.3 | 58.9 | 4.9 | 75.1 | 77.6 | 68.8 | 81.3 | 98.4 |





Spectral Power Distribution

| λ (nm) | mW/nm | λ (nm) | mW/nm | λ (nm) | mW/nm | λ (nm) | mW/nm | λ (nm) | mW/nm | λ (nm) | mW/nm | λ (nm) | mW/nm |
|----------------|--------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|--------|----------------|--------|
| 350 | 0.0258 | 422 | 0.284 | 494 | 1.53 | 566 | 4.44 | 638 | 4.22 | 710 | 0.735 | 782 | 0.0822 |
| 351 | 0.0287 | 423 | 0.316 | 495 | 1.58 | 567 | 4.51 | 639 | 4.15 | 711 | 0.713 | 783 | 0.0794 |
| 352 | 0.0312 | 424 | 0.347 | 496 | 1.63 | 568 | 4.55 | 640 | 4.09 | 712 | 0.694 | 784 | 0.0769 |
| 353 | 0.0299 | 425 | 0.388 | 497 | 1.70 | 569 | 4.60 | 641 | 4.02 | 713 | 0.673 | 785 | 0.0743 |
| 354 | 0.0304 | 426 | 0.424 | 498 | 1.73 | 570 | 4.65 | 642 | 3.95 | 714 | 0.652 | 786 | 0.0730 |
| 355 | 0.0297 | 427 | 0.470 | 499 | 1.79 | 571 | 4.70 | 643 | 3.88 | 715 | 0.634 | 787 | 0.0708 |
| 356 | 0.0322 | 428 | 0.519 | 500 | 1.84 | 572 | 4.76 | 644 | 3.81 | 716 | 0.616 | 788 | 0.0689 |
| 357 | 0.0298 | 429 | 0.572 | 501 | 1.90 | 573 | 4.81 | 645 | 3.75 | 717 | 0.597 | 789 | 0.0672 |
| 358 | 0.0317 | 430 | 0.628 | 502 | 1.94 | 574 | 4.87 | 646 | 3.68 | 718 | 0.580 | 790 | 0.0648 |
| 359 | 0.0288 | 431 | 0.694 | 503 | 2.00 | 575 | 4.90 | 647 | 3.61 | 719 | 0.562 | 791 | 0.0623 |
| 360 | 0.0297 | 432 | 0.762 | 504 | 2.04 | 576 | 4.96 | 648 | 3.54 | 720 | 0.546 | 792 | 0.0606 |
| 361 | 0.0291 | 433 | 0.849 | 505 | 2.09 | 577 | 5.01 | 649 | 3.48 | 721 | 0.529 | 793 | 0.0589 |
| 362 | 0.0300 | 434 | 0.942 | 506 | 2.14 | 578 | 5.06 | 650 | 3.42 | 722 | 0.515 | 794 | 0.0567 |
| 363 | 0.0344 | 435 | 1.04 | 507 | 2.19 | 579 | 5.12 | 651 | 3.36 | 723 | 0.499 | 795 | 0.0554 |
| 364 | 0.0341 | 436 | 1.16 | 508 | 2.23 | 580 | 5.16 | 652 | 3.28 | 724 | 0.485 | 796 | 0.0536 |
| 365 | 0.0325 | 437 | 1.29 | 509 | 2.27 | 581 | 5.20 | 653 | 3.21 | 725 | 0.471 | 797 | 0.0528 |
| 366 | 0.0306 | 438 | 1.44 | 510 | 2.32 | 582 | 5.26 | 654 | 3.15 | 726 | 0.455 | 798 | 0.0511 |
| 367 | 0.0317 | 439 | 1.60 | 511 | 2.36 | 583 | 5.29 | 655 | 3.08 | 727 | 0.442 | 799 | 0.0499 |
| 368 | 0.0336 | 440 | 1.79 | 512 | 2.40 | 584 | 5.32 | 656 | 3.02 | 728 | 0.429 | 800 | 0.0478 |
| 369 | 0.0325 | 441 | 2.00 | 513 | 2.43 | 585 | 5.38 | 657 | 2.96 | 729 | 0.417 | 801 | 0.0465 |
| 370 | 0.0323 | 442 | 2.20 | 514 | 2.48 | 586 | 5.40 | 658 | 2.90 | 730 | 0.404 | 802 | 0.0446 |
| 371 | 0.0316 | 443 | 2.38 | 515 | 2.51 | 587 | 5.44 | 659 | 2.83 | 731 | 0.391 | 803 | 0.0437 |
| 372 | 0.0308 | 444 | 2.57 | 516 | 2.55 | 588 | 5.49 | 660 | 2.77 | 732 | 0.379 | 804 | 0.0424 |
| 373 | 0.0322 | 445 | 2.71 | 517 | 2.59 | 589 | 5.50 | 661 | 2.71 | 733 | 0.368 | 805 | 0.0414 |
| 374 | 0.0310 | 446 | 2.83 | 518 | 2.62 | 590 | 5.55 | 662 | 2.65 | 734 | 0.358 | 806 | 0.0398 |
| 375 | 0.0329 | 447 | 2.91 | 519 | 2.65 | 591 | 5.57 | 663 | 2.59 | 735 | 0.346 | 807 | 0.0394 |
| 376 | 0.0318 | 448 | 2.95 | 520 | 2.69 | 592 | 5.60 | 664 | 2.52 | 736 | 0.336 | 808 | 0.0383 |
| 377 | 0.0329 | 449 | 2.93 | 521 | 2.72 | 593 | 5.62 | 665 | 2.47 | 737 | 0.324 | 809 | 0.0372 |
| 378 | 0.0333 | 450 | 2.88 | 522 | 2.75 | 594 | 5.64 | 666 | 2.41 | 738 | 0.314 | 810 | 0.0360 |
| 379 | 0.0322 | 451 | 2.82 | 523 | 2.78 | 595 | 5.66 | 667 | 2.36 | 739 | 0.306 | 811 | 0.0354 |
| 380 | 0.0330 | 452 | 2.69 | 524 | 2.82 | 596 | 5.68 | 668 | 2.30 | 740 | 0.297 | 812 | 0.0345 |
| 381 | 0.0353 | 453 | 2.57 | 525 | 2.84 | 597 | 5.68 | 669 | 2.25 | 741 | 0.287 | 813 | 0.0337 |
| 382 | 0.0342 | 454 | 2.45 | 526 | 2.87 | 598 | 5.70 | 670 | 2.19 | 742 | 0.277 | 814 | 0.0324 |
| 383 | 0.0359 | 455 | 2.34 | 527 | 2.90 | 599 | 5.71 | 671 | 2.14 | 743 | 0.268 | 815 | 0.0316 |
| 384 | 0.0346 | 456 | 2.22 | 528 | 2.93 | 600 | 5.72 | 672 | 2.09 | 744 | 0.261 | 816 | 0.0307 |
| 385 | 0.0347 | 457 | 2.12 | 529 | 2.96 | 601 | 5.72 | 673 | 2.04 | 745 | 0.254 | 817 | 0.0295 |
| 386 | 0.0349 | 458 | 2.02 | 530 | 3.00 | 602 | 5.71 | 674 | 1.99 | 746 | 0.245 | 818 | 0.0285 |
| 387 | 0.0366 | 459 | 1.95 | 531 | 3.02 | 603 | 5.72 | 675 | 1.94 | 747 | 0.238 | 819 | 0.0274 |
| 388 | 0.0369 | 460 | 1.88 | 532 | 3.05 | 604 | 5.71 | 676 | 1.89 | 748 | 0.231 | 820 | 0.0270 |
| 389 | 0.0392 | 461 | 1.80 | 533 | 3.08 | 605 | 5.71 | 677 | 1.84 | 749 | 0.224 | 821 | 0.0264 |
| 390 | 0.0393 | 462 | 1.74 | 534 | 3.11 | 606 | 5.71 | 678 | 1.79 | 750 | 0.216 | 822 | 0.0256 |
| 391 | 0.0404 | 463 | 1.68 | 535 | 3.15 | 607 | 5.68 | 679 | 1.75 | 751 | 0.210 | 823 | 0.0255 |
| 392 | 0.0412 | 464 | 1.62 | 536 | 3.18 | 608 | 5.66 | 680 | 1.71 | 752 | 0.204 | 824 | 0.0251 |
| 393 | 0.0423 | 465 | 1.55 | 537 | 3.21 | 609 | 5.65 | 681 | 1.66 | 753 | 0.198 | 825 | 0.0235 |
| 394 | 0.0433 | 466 | 1.49 | 538 | 3.25 | 610 | 5.62 | 682 | 1.62 | 754 | 0.192 | 826 | 0.0227 |
| 395 | 0.0449 | 467 | 1.43 | 539 | 3.28 | 611 | 5.60 | 683 | 1.57 | 755 | 0.186 | 827 | 0.0225 |
| 396 | 0.0444 | 468 | 1.37 | 540 | 3.32 | 612 | 5.57 | 684 | 1.53 | 756 | 0.181 | 828 | 0.0216 |
| 397 | 0.0480 | 469 | 1.31 | 541 | 3.35 | 613 | 5.55 | 685 | 1.49 | 757 | 0.176 | 829 | 0.0215 |
| 398 | 0.0499 | 470 | 1.26 | 542 | 3.38 | 614 | 5.51 | 686 | 1.45 | 758 | 0.170 | 830 | 0.0213 |
| 399 | 0.0526 | 471 | 1.22 | 543 | 3.43 | 615 | 5.48 | 687 | 1.41 | 759 | 0.165 | 831 | 0.0203 |
| 400 | 0.0520 | 472 | 1.18 | 544 | 3.46 | 616 | 5.44 | 688 | 1.38 | 760 | 0.160 | 832 | 0.0191 |
| 401 | 0.0547 | 473 | 1.15 | 545 | 3.50 | 617 | 5.40 | 689 | 1.34 | 761 | 0.155 | 833 | 0.0194 |
| 402 | 0.0580 | 474 | 1.13 | 546 | 3.53 | 618 | 5.36 | 690 | 1.31 | 762 | 0.151 | 834 | 0.0184 |
| 403 | 0.0591 | 475 | 1.11 | 547 | 3.58 | 619 | 5.32 | 691 | 1.27 | 763 | 0.147 | 835 | 0.0179 |
| 404 | 0.0625 | 476 | 1.10 | 548 | 3.61 | 620 | 5.28 | 692 | 1.23 | 764 | 0.143 | 836 | 0.0174 |
| 405 | 0.0679 | 477 | 1.09 | 549 | 3.66 | 621 | 5.23 | 693 | 1.20 | 765 | 0.138 | 837 | 0.0163 |
| 406 | 0.0714 | 478 | 1.09 | 550 | 3.69 | 622 | 5.18 | 694 | 1.17 | 766 | 0.133 | 838 | 0.0169 |
| 407 | 0.0744 | 479 | 1.09 | 551 | 3.74 | 623 | 5.12 | 695 | 1.13 | 767 | 0.129 | 839 | 0.0170 |
| 408 | 0.0796 | 480 | 1.09 | 552 | 3.77 | 624 | 5.08 | 696 | 1.10 | 768 | 0.126 | 840 | 0.0164 |
| 409 | 0.0853 | 481 | 1.10 | 553 | 3.83 | 625 | 5.02 | 697 | 1.07 | 769 | 0.122 | 841 | 0.0153 |
| 410 | 0.0924 | 482 | 1.11 | 554 | 3.87 | 626 | 4.97 | 698 | 1.04 | 770 | 0.118 | 842 | 0.0150 |
| 411 | 0.100 | 483 | 1.13 | 555 | 3.90 | 627 | 4.91 | 699 | 1.01 | 771 | 0.114 | 843 | 0.0149 |
| 412 | 0.109 | 484 | 1.15 | 556 | 3.95 | 628 | 4.85 | 700 | 0.984 | 772 | 0.111 | 844 | 0.0146 |
| 413 | 0.120 | 485 | 1.17 | 557 | 3.99 | 629 | 4.79 | 701 | 0.955 | 773 | 0.107 | 845 | 0.0143 |
| 414 | 0.130 | 486 | 1.20 | 558 | 4.04 | 630 | 4.74 | 702 | 0.926 | 774 | 0.105 | 846 | 0.0139 |
| 415 | 0.141 | 487 | 1.22 | 559 | 4.09 | 631 | 4.67 | 703 | 0.901 | 775 | 0.101 | 847 | 0.0137 |
| 416 | 0.157 | 488 | 1.26 | 560 | 4.13 | 632 | 4.61 | 704 | 0.876 | 776 | 0.0980 | 848 | 0.0141 |
| 417 | 0.173 | 489 | 1.30 | 561 | 4.19 | 633 | 4.56 | 705 | 0.852 | 777 | 0.0955 | 849 | 0.0121 |
| 418 | 0.189 | 490 | 1.34 | 562 | 4.24 | 634 | 4.49 | 706 | 0.826 | 778 | 0.0920 | 850 | 0.0124 |
| 419 | 0.211 | 491 | 1.39 | 563 | 4.30 | 635 | 4.42 | 707 | 0.802 | 779 | 0.0901 | | |
| 420 | 0.232 | 492 | 1.43 | 564 | 4.34 | 636 | 4.36 | 708 | 0.780 | 780 | 0.0878 | | |
| 421 | 0.258 | 493 | 1.48 | 565 | 4.38 | 637 | 4.29 | 709 | 0.756 | 781 | 0.0840 | | |



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Photometric Indoor Test Report

Relevant Standards
IES LM-79-2008
ANSI C82.77-2002

Prepared For
Elemental LED Inc, DBA Diode LED
Wes Buck
Suite 211, 1195 Park Ave.
Emeryville, CA 94608
United States

Catalog Number
BLAZE™ 12v LED Tape Light DI-12V-BL30-80XX
Project Number
10460077
Test Number
758918

Test Date

2014-09-19

Prepared By

Handwritten signature of Javier Caban in black ink.

Javier Caban, Technician

Approved By

Handwritten signature of Eric M. Gaudreau in black ink.

Eric Gaudreau, Engineering Project Handler

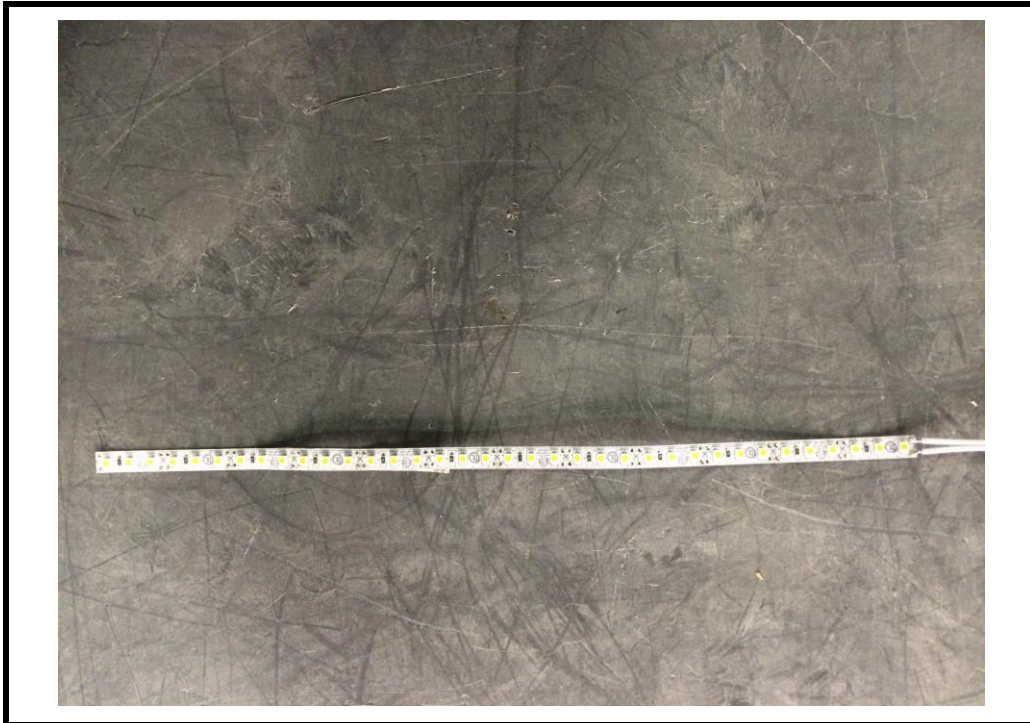
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Luminaire Description: LED strip
Catalog Number: BLAZE™ 12v LED Tape Light DI-12V-BL30-80XX
Lamp: 36 white LEDs
Mounting: Surface
Ballast/Driver: One Meanwell LPV-60-12

Luminaire

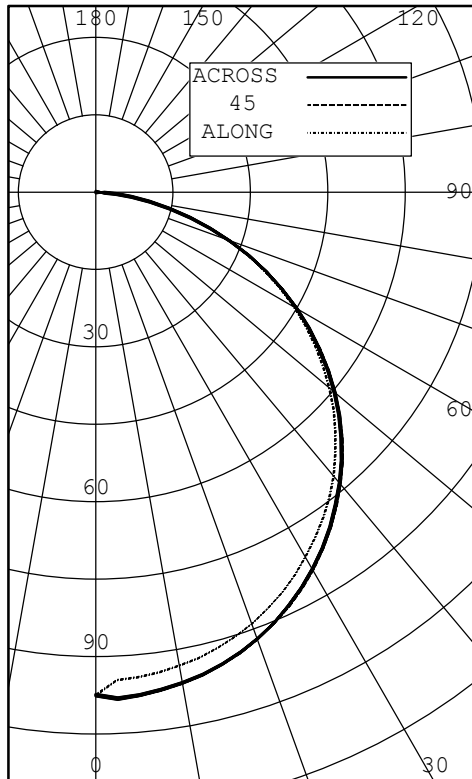


Test Conditions

| | |
|-------------------|-----------|
| Test Temperature: | 24.8 °C |
| Voltage: | 120.0 VAC |
| Current: | 0.08295 A |
| Power: | 4.302 W |
| Power Factor: | 0.432 |
| Frequency: | 60 Hz |
| Current THD: | 181 % |



INTENSITY (CANDLEPOWER) SUMMARY OUTPUT LUMENS



| ANGLE | ALONG | 22.5 | 45 | 67.5 | ACROSS | OUTPUT LUMENS |
|-------|-------|------|----|------|--------|---------------|
| 0 | 97 | 97 | 97 | 97 | 97 | |
| 5 | 94 | 97 | 98 | 98 | 98 | 9 |
| 10 | 93 | 96 | 97 | 97 | 97 | |
| 15 | 91 | 94 | 95 | 95 | 95 | 27 |
| 20 | 89 | 92 | 92 | 92 | 92 | |
| 25 | 86 | 88 | 89 | 88 | 88 | 41 |
| 30 | 82 | 84 | 84 | 84 | 84 | |
| 35 | 77 | 79 | 79 | 79 | 79 | 49 |
| 40 | 72 | 74 | 74 | 74 | 74 | |
| 45 | 66 | 67 | 68 | 67 | 67 | 52 |
| 50 | 59 | 61 | 61 | 60 | 60 | |
| 55 | 52 | 53 | 53 | 53 | 53 | 47 |
| 60 | 44 | 45 | 45 | 45 | 45 | |
| 65 | 36 | 37 | 37 | 37 | 37 | 36 |
| 70 | 27 | 28 | 28 | 28 | 28 | |
| 75 | 19 | 19 | 19 | 19 | 19 | 20 |
| 80 | 11 | 11 | 11 | 11 | 11 | |
| 85 | 4 | 5 | 4 | 4 | 4 | 5 |
| 90 | 0 | 0 | 0 | 0 | 0 | |

ZONAL LUMENS AND PERCENTAGES

| ZONE | LUMENS | % LUMINAIRE |
|--------|--------|-------------|
| 0-30 | 76 | 26.72 |
| 0-40 | 126 | 43.95 |
| 0-60 | 225 | 78.50 |
| 0-90 | 286 | 100.00 |
| 40-90 | 160 | 56.05 |
| 60-90 | 62 | 21.50 |
| 90-180 | 0 | 0.00 |
| 0-180 | 286 | 100.00 |

EFFICACY (LUMENS PER WATT): 66.5

*** THIS IS AN ABSOLUTE TEST ***

LUMINOUS LENGTH: 12.000 INS
 WIDTH: 0.375 INS

LUMINANCE SUMMARY CD./SQ.M.

S/MH: 1.3
 SC (ALONG): 1.2, SC (ACROSS): 1.3

| ANGLE | ALONG | 45 | ACROSS |
|-------|-------|-------|--------|
| 45 | 31979 | 33005 | 32908 |
| 55 | 31167 | 32009 | 31858 |
| 65 | 29300 | 30057 | 29903 |
| 75 | 24953 | 25649 | 25382 |
| 85 | 16006 | 17236 | 16067 |

TESTED IN ACCORDANCE WITH IES PROCEDURES.



INTENSITY (CANDLEPOWER) DATA
 IN 2.5 DEGREE STEPS

| ANGLE | PLANE | | | | | | OUTPUT LUMENS |
|-------|-------|------|----|------|--------|---------|---------------|
| | ALONG | 22.5 | 45 | 67.5 | ACROSS | AVERAGE | |
| 0.0 | 97 | 97 | 97 | 97 | 97 | 97 | |
| 2.5 | 95 | 97 | 98 | 98 | 98 | 98 | |
| 5.0 | 94 | 97 | 98 | 98 | 98 | 97 | 9 |
| 7.5 | 94 | 97 | 97 | 97 | 97 | 97 | |
| 10.0 | 93 | 96 | 97 | 97 | 97 | 96 | |
| 12.5 | 93 | 95 | 96 | 96 | 96 | 95 | |
| 15.0 | 91 | 94 | 95 | 95 | 95 | 94 | 27 |
| 17.5 | 90 | 93 | 94 | 93 | 93 | 93 | |
| 20.0 | 89 | 92 | 92 | 92 | 92 | 92 | |
| 22.5 | 87 | 90 | 90 | 90 | 90 | 90 | |
| 25.0 | 86 | 88 | 89 | 88 | 88 | 88 | 41 |
| 27.5 | 84 | 86 | 87 | 86 | 86 | 86 | |
| 30.0 | 82 | 84 | 84 | 84 | 84 | 84 | |
| 32.5 | 79 | 82 | 82 | 82 | 82 | 81 | |
| 35.0 | 77 | 79 | 79 | 79 | 79 | 79 | 49 |
| 37.5 | 74 | 76 | 77 | 76 | 76 | 76 | |
| 40.0 | 72 | 74 | 74 | 74 | 74 | 73 | |
| 42.5 | 69 | 71 | 71 | 71 | 71 | 70 | |
| 45.0 | 66 | 67 | 68 | 67 | 67 | 67 | 52 |
| 47.5 | 63 | 64 | 64 | 64 | 64 | 64 | |
| 50.0 | 59 | 61 | 61 | 60 | 60 | 60 | |
| 52.5 | 56 | 57 | 57 | 57 | 57 | 57 | |
| 55.0 | 52 | 53 | 53 | 53 | 53 | 53 | 47 |
| 57.5 | 48 | 49 | 49 | 49 | 49 | 49 | |
| 60.0 | 44 | 45 | 45 | 45 | 45 | 45 | |
| 62.5 | 40 | 41 | 41 | 41 | 41 | 41 | |
| 65.0 | 36 | 37 | 37 | 37 | 37 | 37 | 36 |
| 67.5 | 32 | 33 | 32 | 32 | 32 | 32 | |
| 70.0 | 27 | 28 | 28 | 28 | 28 | 28 | |
| 72.5 | 23 | 24 | 24 | 24 | 23 | 24 | |
| 75.0 | 19 | 19 | 19 | 19 | 19 | 19 | 20 |
| 77.5 | 15 | 15 | 15 | 15 | 15 | 15 | |
| 80.0 | 11 | 11 | 11 | 11 | 11 | 11 | |
| 82.5 | 7 | 7 | 7 | 7 | 7 | 7 | |
| 85.0 | 4 | 5 | 4 | 4 | 4 | 4 | 5 |
| 87.5 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | |



COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

| CC WALL | 90 | | | | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 | |
|------------|----|-------|------|------|-----|-------|------|------|-----|-------|------|------|-----|-------|------|------|-------|-------|------|-------|------|-------|------|------|-----|------|
| | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | |
| RCR | 0 | 1.221 | .221 | .221 | .22 | 1.191 | .191 | .191 | .19 | 1.161 | .161 | .161 | .16 | 1.111 | .111 | .111 | .11 | 1.061 | .061 | .061 | .06 | 1.021 | .021 | .021 | .02 | 1.00 |
| | 1 | 1.121 | .071 | .030 | .99 | 1.091 | .051 | .010 | .97 | 1.071 | .030 | .990 | .96 | 0.980 | .950 | .93 | 0.950 | .920 | .90 | 0.910 | .890 | .87 | 0.85 | | | |
| | 2 | 1.030 | .950 | .880 | .82 | 1.000 | .930 | .860 | .81 | 0.980 | .910 | .850 | .80 | 0.870 | .820 | .78 | 0.840 | .800 | .76 | 0.810 | .780 | .75 | 0.73 | | | |
| | 3 | 0.940 | .830 | .750 | .69 | 0.920 | .820 | .740 | .68 | 0.890 | .800 | .730 | .67 | 0.770 | .710 | .66 | 0.750 | .700 | .65 | 0.720 | .680 | .64 | 0.62 | | | |
| | 4 | 0.870 | .740 | .650 | .59 | 0.850 | .730 | .650 | .59 | 0.820 | .720 | .640 | .58 | 0.690 | .630 | .57 | 0.670 | .610 | .57 | 0.650 | .600 | .56 | 0.54 | | | |
| | 5 | 0.800 | .670 | .570 | .50 | 0.780 | .650 | .570 | .50 | 0.750 | .640 | .560 | .50 | 0.620 | .550 | .49 | 0.600 | .540 | .49 | 0.580 | .530 | .48 | 0.46 | | | |
| | 6 | 0.740 | .590 | .500 | .44 | 0.720 | .580 | .500 | .44 | 0.700 | .570 | .490 | .43 | 0.560 | .480 | .43 | 0.540 | .470 | .43 | 0.530 | .470 | .42 | 0.40 | | | |
| | 7 | 0.670 | .530 | .440 | .38 | 0.660 | .520 | .440 | .38 | 0.640 | .510 | .430 | .37 | 0.500 | .420 | .37 | 0.480 | .420 | .37 | 0.470 | .410 | .36 | 0.35 | | | |
| | 8 | 0.620 | .480 | .400 | .33 | 0.610 | .470 | .390 | .33 | 0.590 | .470 | .390 | .33 | 0.450 | .380 | .33 | 0.440 | .370 | .33 | 0.430 | .370 | .32 | 0.30 | | | |
| | 9 | 0.580 | .440 | .350 | .29 | 0.560 | .430 | .350 | .29 | 0.550 | .420 | .350 | .29 | 0.410 | .340 | .29 | 0.400 | .330 | .29 | 0.390 | .330 | .28 | 0.27 | | | |
| | 10 | 0.530 | .400 | .310 | .26 | 0.520 | .390 | .310 | .26 | 0.510 | .390 | .310 | .26 | 0.380 | .300 | .26 | 0.370 | .300 | .25 | 0.360 | .300 | .25 | 0.24 | | | |

THE ABOVE COEFFICIENTS HAVE BEEN CALCULATED BASED ON LUMINAIRE LUMENS
 BECAUSE IN AN ABSOLUTE TEST THE BARE LAMP LUMENS ARE UNKNOWN.
 LIGHTING DESIGN CALCULATIONS MADE USING THESE COEFFICIENTS SHOULD
 THEREFORE USE THE LUMINAIRE LUMENS IN THE CALCULATION FORMULA

LABORATORY RESULTS MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 BALLAST AND FIELD FACTORS HAVE NOT BEEN APPLIED.

TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST
 LUMINOUS OPENING OF LUMINAIRE.



Cone of Light

Cone Of Light Tabulation

| Mounting Height (Feet) | Footcandles at Nadir | Diameter (Feet) |
|------------------------|----------------------|-----------------|
| 4.00 | 6.12 | 5.10 |
| 6.00 | 2.72 | 7.64 |
| 8.00 | 1.53 | 10.2 |
| 10.0 | 0.979 | 12.7 |
| 12.0 | 0.680 | 15.3 |
| 14.0 | 0.500 | 17.8 |
| 16.0 | 0.382 | 20.4 |

Cone of Light Plot

