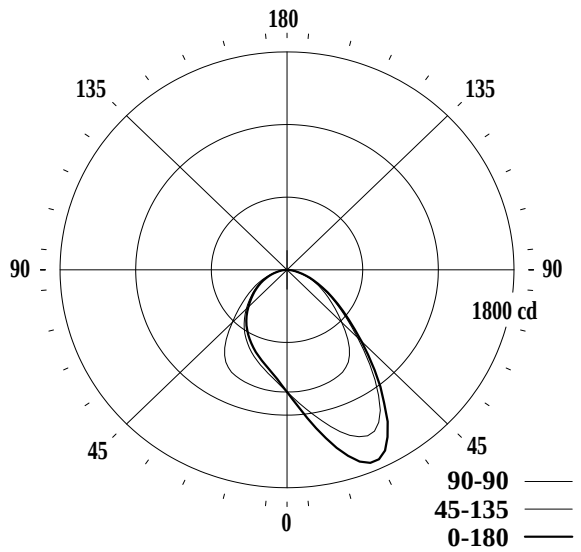
# LEDALITE - TRUGROOVE SUSPENDED

| | | | |
|---|---|---|---|
| **TEST DATE:** | 05 Jun 2019 | **CATALOG NO:** | **29x1LSEWN** |
| **Lamp Type:** | LED | **Description:** | TRUGROOVE SUSPEND/SURFACE/WALL DIRECT ASY LED HI 935 |
| **No. of Lamps:** | 88 | | |
| **Rated Lamp Lumens:** | -1 | **Flux (lm), Efficiency (%):** | 2706 lm 100.0% |
| **Input Watts:** | 120 VAC 33.4 | **Up/Dn Ratio, Efficacy (lm/W):** | 0% Up / 100% Dn 81.0 |
| **CIE-IES Classification:** | Direct | **Report (Ele, Col, Photo):** | TGSEI-07 F38890Color S83733-N |

## CANDELA DISTRIBUTION

| | 0 | 45 | 90 | 135 | 180 | Flux Lumens |
|---|---|---|---|---|---|---|
| 0 | 1009 | 1009 | 1009 | 1009 | 1009 | |
| 5 | 1149 | 1106 | 1009 | 929 | 904 | 98 |
| 15 | 1523 | 1340 | 997 | 814 | 775 | 305 |
| 25 | 1726 | 1512 | 966 | 709 | 670 | 501 |
| 35 | 1342 | 1266 | 863 | 592 | 561 | 569 |
| 45 | 834 | 791 | 614 | 456 | 434 | 483 |
| 55 | 491 | 469 | 399 | 331 | 316 | 360 |
| 65 | 271 | 265 | 245 | 216 | 208 | 240 |
| 75 | 123 | 119 | 113 | 109 | 107 | 122 |
| 85 | 23 | 21 | 23 | 25 | 27 | 29 |
| 90 | 0 | 0 | 0 | 0 | 0 | |
| 95 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | 0 | 0 | 0 | 0 | 0 | 0 |
| 115 | 0 | 0 | 0 | 0 | 0 | 0 |
| 125 | 0 | 0 | 0 | 0 | 0 | 0 |
| 135 | 0 | 0 | 0 | 0 | 0 | 0 |
| 145 | 0 | 0 | 0 | 0 | 0 | 0 |
| 155 | 0 | 0 | 0 | 0 | 0 | 0 |
| 165 | 0 | 0 | 0 | 0 | 0 | 0 |
| 175 | 0 | 0 | 0 | 0 | 0 | 0 |
| 180 | 0 | 0 | 0 | 0 | 0 | |

## POLAR CANDELA PLOT




## CHARACTERISTICS

| | | | | |
|---|---|---|---|---|
| RP1 | Meets RP-1-12 recommendations for VDT-Normal spaces | | | |
| Direct: Peak Candela & Angle (0deg) | | | 1726.0 | 22.5 |
| Direct: Peak Candela & Angle (180deg) | | | 1008.9 | 0.0 |
| Spacing Criteria (0deg, 90deg, 180deg) | | 1.66 | 1.34 | 0.92 |
| Indirect: Peak Candela & Angle | | | N/A | N/A |
| Indirect: Zenith Candela, Peak to Zenith | | | N/A | N/A |
| Luminous Length, Width, Height (ft) | | 0.25 | 4.00 | 0.00 |
| UGR (4H x 8H, 0.25H) | | | | N/A |
| Ballast Factor, Multiplication Factor | | | 1.000 | 2.055 |
| DLC (120/277), DLC (347) | | | N/A | N/A |
| x, y, CCT ,Duv | 0.4035 | 0.3887 | 3523 | 0.0005 |
| CRI (Ra), R9 | | | 94 | 71 |
| 120V: P(W), I(A), THD(%), PF | 33.4 | 0.280 | 7.4 | 0.996 |
| 277V: P(W), I(A), THD(%), PF | 33.3 | 0.125 | 12.5 | 0.963 |
| 347V: P(W), I(A), THD(%), PF | 32.6 | 0.096 | 6.9 | 0.976 |

## COEFFICIENTS OF UTILIZATION (%)

| Pc--- | 80 | | | | 70 | | | 50 | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Pw--- | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 | 111 | 100 |
| 1 | 110 | 106 | 102 | 98 | 107 | 103 | 100 | 99 | 96 | 94 | 86 |
| 2 | 101 | 94 | 87 | 82 | 98 | 92 | 86 | 88 | 83 | 79 | 74 |
| 3 | 93 | 83 | 76 | 70 | 90 | 82 | 75 | 79 | 73 | 68 | 64 |
| 4 | 86 | 74 | 66 | 60 | 83 | 73 | 65 | 71 | 64 | 59 | 55 |
| 5 | 79 | 67 | 59 | 52 | 77 | 66 | 58 | 64 | 57 | 52 | 48 |
| 6 | 73 | 61 | 52 | 46 | 71 | 60 | 52 | 58 | 51 | 46 | 43 |
| 7 | 68 | 55 | 47 | 41 | 66 | 55 | 47 | 53 | 46 | 41 | 38 |
| 8 | 64 | 51 | 43 | 37 | 62 | 50 | 42 | 49 | 42 | 37 | 34 |
| 9 | 59 | 47 | 39 | 33 | 58 | 46 | 38 | 45 | 38 | 33 | 31 |
| 10 | 56 | 43 | 35 | 30 | 55 | 43 | 35 | 42 | 35 | 30 | 28 |

*Based on a floor reflectance of 0.2

## ZONAL LUMEN SUMMARY

| Zone | Lumens | %Fixture | %Lamp |
|---|---|---|---|
| 0-30 | 903 | 33.4% | 33.4% |
| 0-40 | 1473 | 54.4% | 54.4% |
| 0-60 | 2315 | 85.6% | 85.6% |
| 0-90 | 2706 | 100.0% | 100.0% |
| 90-130 | 0 | 0.0% | 0.0% |
| 90-150 | 0 | 0.0% | 0.0% |
| 90-180 | 0 | 0.0% | 0.0% |
| 0-180 | 2706 | 100.0% | 100.0% |

## AVG LUMINANCE (cd/m$^2$)

| | 0 | 90 | 180 |
|---|---|---|---|
| 0 | 10856 | 10856 | 10856 |
| 5 | 12407 | 10897 | 9765 |
| 15 | 16961 | 11101 | 8629 |
| 25 | 20492 | 11466 | 7953 |
| 35 | 17625 | 11336 | 7369 |
| 45 | 12695 | 9349 | 6597 |
| 55 | 9213 | 7478 | 5936 |
| 65 | 6906 | 6226 | 5284 |
| 75 | 5126 | 4698 | 4442 |
| 85 | 2790 | 2790 | 3298 |

## LUMINAIRE SECTION

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