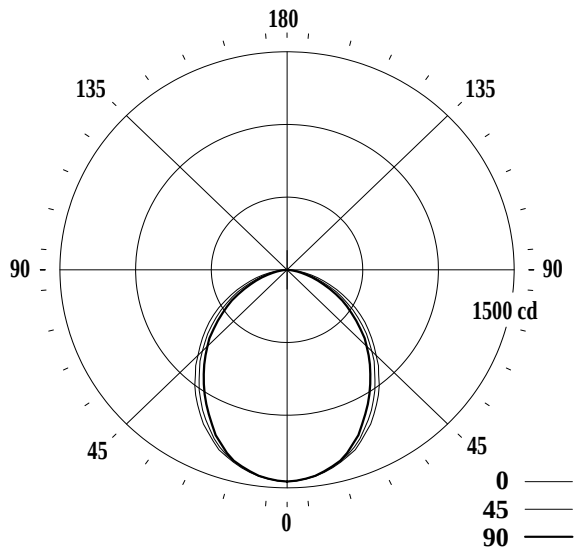
# LEDALITE - SHINE

| | | | |
|---|---|---|---|
| **TEST DATE:** | 18 Oct 2019 | **CATALOG NO:** | **3314x1STL93535AxDE** |
| **Lamp Type:** | LED | **Description:** | SHINE 1X4 3500LM 935 |
| **No. of Lamps:** | 88 | | |
| **Rated Lamp Lumens:** | -1 | **Flux (lm), Efficiency (%):** | 3446 lm 100.0% |
| **Input Watts:** | 120 VAC 39.3 | **Up/Dn Ratio, Efficacy (lm/W):** | 0% Up / 100% Dn 87.7 |
| **CIE-IES Classification:** | Direct | **Report:** | LNG00375 |

## CANDELA DISTRIBUTION

| | 0 | 22.5 | 45 | 67.5 | 90 | Flux Lumens |
|---|---|---|---|---|---|---|
| 0 | 1457 | 1457 | 1457 | 1457 | 1457 | |
| 5 | 1444 | 1447 | 1442 | 1445 | 1442 | 137 |
| 15 | 1370 | 1378 | 1362 | 1367 | 1359 | 385 |
| 25 | 1234 | 1246 | 1208 | 1200 | 1173 | 560 |
| 35 | 1052 | 1068 | 1012 | 993 | 959 | 637 |
| 45 | 832 | 846 | 792 | 759 | 744 | 617 |
| 55 | 628 | 627 | 571 | 558 | 521 | 520 |
| 65 | 407 | 406 | 361 | 339 | 310 | 363 |
| 75 | 210 | 210 | 167 | 144 | 132 | 185 |
| 85 | 48 | 48 | 28 | 29 | 23 | 43 |
| 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 | | | | None |
| Direct: Peak Candela & Angle (0deg) | | | 1456.8 | 0.0 |
| Direct: Peak Candela & Angle (90deg) | | | 1456.8 | 0.0 |
| Spacing Criteria (0deg, 90deg, 180deg) | | 1.18 | 1.11 | N/A |
| Indirect: Peak Candela & Angle | | | N/A | N/A |
| Indirect: Zenith Candela, Peak to Zenith | | | N/A | N/A |
| Luminous Length, Width, Height (ft) | | 3.90 | 0.91 | 0.00 |
| UGR (4H x 8H, 0.25H) | | | | N/A |
| Ballast Factor, Multiplication Factor | | | 1.000 | 1.000 |
| DLC (120/277), DLC (347) | | | N/A | N/A |
| x, y, CCT ,Duv | 0.4064 | 0.3901 | 3471 | 0.0005 |
| CRI (Ra), R9 | | | 92 | 77 |
| 120V: P(W), I(A), THD(%), PF | 39.3 | 0.328 | 5.9 | 0.997 |
| 277V: P(W), I(A), THD(%), PF | 39.2 | 0.146 | 8.7 | 0.967 |
| 347V: P(W), I(A), THD(%), PF | 40.1 | 0.119 | 6.2 | 0.972 |

## 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 | 105 | 101 | 97 | 107 | 103 | 99 | 99 | 96 | 93 | 85 |
| 2 | 100 | 92 | 86 | 81 | 98 | 91 | 85 | 87 | 82 | 78 | 72 |
| 3 | 92 | 82 | 74 | 68 | 89 | 80 | 73 | 77 | 71 | 66 | 62 |
| 4 | 84 | 73 | 64 | 58 | 82 | 72 | 64 | 69 | 62 | 57 | 53 |
| 5 | 78 | 65 | 57 | 50 | 76 | 64 | 56 | 62 | 55 | 50 | 46 |
| 6 | 72 | 59 | 50 | 44 | 70 | 58 | 50 | 56 | 49 | 44 | 41 |
| 7 | 67 | 54 | 45 | 39 | 65 | 53 | 45 | 51 | 44 | 39 | 36 |
| 8 | 62 | 49 | 41 | 35 | 61 | 49 | 41 | 47 | 40 | 35 | 33 |
| 9 | 58 | 45 | 37 | 32 | 57 | 45 | 37 | 44 | 37 | 32 | 30 |
| 10 | 55 | 42 | 34 | 29 | 54 | 41 | 34 | 40 | 34 | 29 | 27 |

*Based on a floor reflectance of 0.2

## ZONAL LUMEN SUMMARY

| Zone | Lumens | %Fixture | %Lamp |
|---|---|---|---|
| 0-30 | 1081 | 31.4% | 31.4% |
| 0-40 | 1718 | 49.9% | 49.9% |
| 0-60 | 2856 | 82.9% | 82.9% |
| 0-90 | 3446 | 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 | 3446 | 100.0% | 100.0% |

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

| | 0 | 45 | 90 |
|---|---|---|---|
| 0 | 4417 | 4417 | 4417 |
| 5 | 4395 | 4389 | 4389 |
| 15 | 4299 | 4275 | 4267 |
| 25 | 4126 | 4042 | 3925 |
| 35 | 3895 | 3746 | 3548 |
| 45 | 3568 | 3395 | 3188 |
| 55 | 3321 | 3017 | 2756 |
| 65 | 2921 | 2591 | 2226 |
| 75 | 2454 | 1955 | 1545 |
| 85 | 1663 | 964 | 783 |

## LUMINAIRE SECTION

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