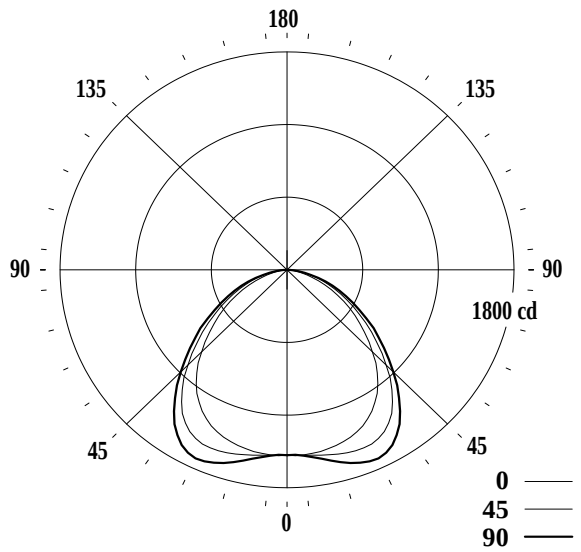
# LEDALITE - VECTRA 1'X4' - RECESSED

| | | | |
|---|---|---|---|
| **TEST DATE:** | 13 Dec 2011 | **CATALOG NO:** | **9714DxxxLA44** |
| **Lamp Type:** | LED | **Description:** | VECTRA 1X4 HI 4000K |
| **No. of Lamps:** | 176 | | |
| **Rated Lamp Lumens:** | -1 | **Flux (lm), Efficiency (%):** | 4495 lm 100.0% |
| **Input Watts:** | 120 VAC 55.1 | **Up/Dn Ratio, Efficacy (lm/W):** | 0% Up / 100% Dn 81.6 |
| **CIE-IES Classification:** | Direct | **Report (Ele, Col, Photo):** | N/A ITL70683 ITL70667 |

## CANDELA DISTRIBUTION

| | 0 | 22.5 | 45 | 67.5 | 90 | Flux Lumens |
|---|---|---|---|---|---|---|
| 0 | 1531 | 1531 | 1531 | 1531 | 1531 | |
| 5 | 1534 | 1535 | 1538 | 1537 | 1541 | 147 |
| 15 | 1502 | 1523 | 1575 | 1619 | 1644 | 446 |
| 25 | 1422 | 1479 | 1588 | 1680 | 1718 | 726 |
| 35 | 1247 | 1324 | 1448 | 1529 | 1556 | 886 |
| 45 | 957 | 1018 | 1111 | 1173 | 1191 | 846 |
| 55 | 660 | 695 | 761 | 822 | 839 | 677 |
| 65 | 388 | 419 | 468 | 510 | 516 | 460 |
| 75 | 167 | 203 | 239 | 262 | 257 | 242 |
| 85 | 31 | 54 | 59 | 61 | 58 | 64 |
| 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) | | 1537.0 | 2.5 |
| Direct: Peak Candela & Angle (90deg) | | 1718.0 | 25.0 |
| Spacing Criteria (0deg, 90deg, 180deg) | 1.29 | 1.50 | 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) | 3.8438 | 0.8125 | 0.0000 |
| UGR (4H x 8H, 0.25H) | | | N/A |
| Ballast Factor, Multiplication Factor | | 1.000 | 1.000 |
| DesignLights Consortium | | | N/A |
| x, y, CCT ,Duv | 0.3837 | 0.3866 | 3985 | 0.0040 |
| CRI (Ra), R9 | | 83 | 24 |
| 120V: P(W), I(A), THD(%), PF | N/A | N/A | N/A | N/A |
| 277V: P(W), I(A), THD(%), PF | N/A | N/A | N/A | N/A |
| 347V: P(W), I(A), THD(%), PF | N/A | N/A | N/A | N/A |

## 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 | 109 | 105 | 101 | 97 | 107 | 103 | 99 | 98 | 95 | 93 | 85 |
| 2 | 100 | 92 | 86 | 80 | 97 | 90 | 84 | 87 | 82 | 77 | 72 |
| 3 | 91 | 81 | 73 | 67 | 89 | 80 | 72 | 77 | 71 | 65 | 61 |
| 4 | 84 | 72 | 64 | 57 | 82 | 71 | 63 | 69 | 62 | 56 | 53 |
| 5 | 77 | 65 | 56 | 50 | 75 | 64 | 55 | 62 | 54 | 49 | 46 |
| 6 | 71 | 58 | 50 | 43 | 70 | 57 | 49 | 56 | 48 | 43 | 40 |
| 7 | 66 | 53 | 44 | 38 | 65 | 52 | 44 | 51 | 43 | 38 | 36 |
| 8 | 62 | 48 | 40 | 34 | 60 | 48 | 40 | 46 | 39 | 34 | 32 |
| 9 | 58 | 44 | 36 | 31 | 56 | 44 | 36 | 43 | 36 | 31 | 29 |
| 10 | 54 | 41 | 33 | 28 | 53 | 40 | 33 | 39 | 33 | 28 | 26 |

*Based on a floor reflectance of 0.2

## ZONAL LUMEN SUMMARY

| Zone | Lumens | %Fixture | %Lamp |
|---|---|---|---|
| 0-30 | 1319 | 29.3% | 29.3% |
| 0-40 | 2205 | 49.1% | 49.1% |
| 0-60 | 3729 | 83.0% | 83.0% |
| 0-90 | 4495 | 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 | 4495 | 100.0% | 100.0% |

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

| | 0 | 45 | 90 |
|---|---|---|---|
| 0 | 5275 | 5275 | 5275 |
| 5 | 5305 | 5319 | 5330 |
| 15 | 5357 | 5618 | 5864 |
| 25 | 5406 | 6037 | 6531 |
| 35 | 5245 | 6090 | 6545 |
| 45 | 4663 | 5413 | 5803 |
| 55 | 3964 | 4571 | 5040 |
| 65 | 3163 | 3815 | 4207 |
| 75 | 2223 | 3182 | 3421 |
| 85 | 1225 | 2332 | 2293 |

## LUMINAIRE SECTION

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