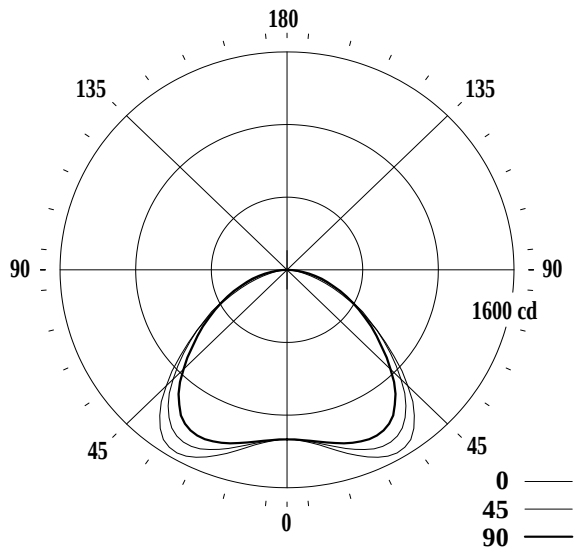
# LEDALITE - VECTRA 2'X2' - RECESSED

| | | | |
|---|---|---|---|
| **TEST DATE:** | 05 Jan 2012 | **CATALOG NO:** | **9722DxxxLC44** |
| **Lamp Type:** | LED | **Description:** | VECTRA 2X2 HI 3000K |
| **No. of Lamps:** | 176 | | |
| **Rated Lamp Lumens:** | -1 | **Flux (lm), Efficiency (%):** | 4358 lm 100.0% |
| **Input Watts:** | 120 VAC 55.0 | **Up/Dn Ratio, Efficacy (lm/W):** | 0% Up / 100% Dn 79.2 |
| **CIE-IES Classification:** | Direct | **Report (Ele, Col, Photo):** | N/A ITL70687 ITL70665 |

## CANDELA DISTRIBUTION

| | 0 | 22.5 | 45 | 67.5 | 90 | Flux Lumens |
|---|---|---|---|---|---|---|
| 0 | 1245 | 1245 | 1245 | 1245 | 1245 | |
| 5 | 1261 | 1259 | 1258 | 1255 | 1255 | 121 |
| 15 | 1374 | 1364 | 1345 | 1325 | 1316 | 383 |
| 25 | 1518 | 1496 | 1450 | 1393 | 1372 | 667 |
| 35 | 1521 | 1492 | 1417 | 1337 | 1305 | 878 |
| 45 | 1204 | 1189 | 1136 | 1063 | 1031 | 868 |
| 55 | 776 | 781 | 774 | 744 | 724 | 684 |
| 65 | 428 | 444 | 462 | 465 | 463 | 454 |
| 75 | 176 | 198 | 224 | 245 | 252 | 236 |
| 85 | 33 | 48 | 63 | 69 | 71 | 67 |
| 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) | | | 1552.0 | 30.0 |
| Direct: Peak Candela & Angle (90deg) | | | 1372.0 | 25.0 |
| Spacing Criteria (0deg, 90deg, 180deg) | | 1.69 | 1.54 | 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) | | 1.8542 | 1.8125 | 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 | 0.4356 | 0.4103 | 3071 | 0.0030 |
| CRI (Ra), R9 | | | 83 | 20 |
| 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 | 102 | 99 | 98 | 95 | 92 | 85 |
| 2 | 100 | 92 | 85 | 79 | 97 | 90 | 84 | 86 | 81 | 77 | 71 |
| 3 | 91 | 81 | 73 | 66 | 89 | 79 | 72 | 76 | 70 | 65 | 60 |
| 4 | 83 | 72 | 63 | 56 | 81 | 70 | 62 | 68 | 61 | 55 | 52 |
| 5 | 77 | 64 | 55 | 48 | 75 | 63 | 54 | 61 | 53 | 48 | 45 |
| 6 | 71 | 57 | 49 | 42 | 69 | 57 | 48 | 55 | 47 | 42 | 39 |
| 7 | 65 | 52 | 43 | 37 | 64 | 51 | 43 | 50 | 42 | 37 | 34 |
| 8 | 61 | 47 | 39 | 33 | 59 | 47 | 39 | 45 | 38 | 33 | 30 |
| 9 | 57 | 43 | 35 | 30 | 55 | 43 | 35 | 42 | 34 | 29 | 27 |
| 10 | 53 | 40 | 32 | 27 | 52 | 39 | 32 | 38 | 31 | 26 | 24 |

*Based on a floor reflectance of 0.2

## ZONAL LUMEN SUMMARY

| Zone | Lumens | %Fixture | %Lamp |
|---|---|---|---|
| 0-30 | 1172 | 26.9% | 26.9% |
| 0-40 | 2050 | 47.0% | 47.0% |
| 0-60 | 3602 | 82.6% | 82.6% |
| 0-90 | 4358 | 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 | 4358 | 100.0% | 100.0% |

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

| | 0 | 45 | 90 |
|---|---|---|---|
| 0 | 3986 | 3986 | 3986 |
| 5 | 4053 | 4043 | 4034 |
| 15 | 4554 | 4458 | 4362 |
| 25 | 5363 | 5122 | 4847 |
| 35 | 5945 | 5538 | 5101 |
| 45 | 5452 | 5144 | 4668 |
| 55 | 4332 | 4321 | 4041 |
| 65 | 3243 | 3500 | 3508 |
| 75 | 2177 | 2771 | 3117 |
| 85 | 1212 | 2314 | 2608 |

## LUMINAIRE SECTION

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