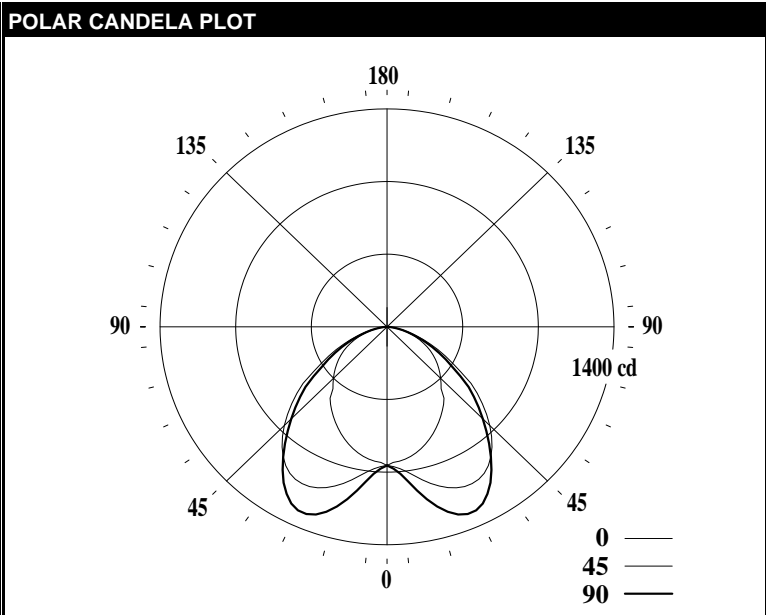


LEDALITE - TRUGROOVE RECESSED MICRO

| | | | |
|--------------------------------|--------------|--------------------------------------|---------------------------|
| TEST DATE: | 13 Dec 2017 | CATALOG NO: | 23x1LCEQxx04 |
| Lamp Type: | LED | Description: | SYMMETRIC 3100LM 830 |
| No. of Lamps: | 1 | | |
| Rated Lamp Lumens: | -1 | Flux (lm), Efficiency (%): | 3042 lm 100.0% |
| Input Watts: | 120 VAC 31.7 | Up/Dn Ratio, Efficacy (lm/W): | 0% Up / 100% Dn 96.0 |
| CIE-IES Classification: | Direct | Report (Ele, Col, Photo): | TGMR17 F38884Color F38884 |

| CANDELA DISTRIBUTION | | | | | | |
|----------------------|------|------|------|------|------|--------|
| | Flux | | | | | |
| | 0 | 22.5 | 45 | 67.5 | 90 | Lumens |
| 0 | 891 | 891 | 891 | 891 | 891 | |
| 5 | 867 | 888 | 914 | 941 | 948 | 89 |
| 15 | 810 | 888 | 1041 | 1162 | 1195 | 291 |
| 25 | 716 | 869 | 1132 | 1277 | 1301 | 492 |
| 35 | 608 | 801 | 1089 | 1141 | 1123 | 607 |
| 45 | 468 | 676 | 896 | 865 | 836 | 595 |
| 55 | 365 | 471 | 633 | 592 | 553 | 478 |
| 65 | 249 | 296 | 346 | 322 | 308 | 309 |
| 75 | 122 | 135 | 147 | 138 | 133 | 148 |
| 85 | 27 | 27 | 30 | 29 | 29 | 35 |
| 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 | |



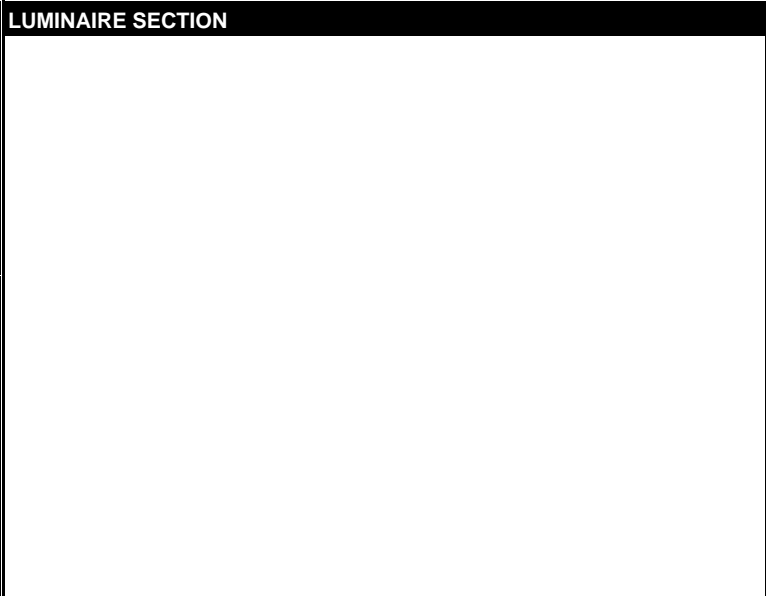
| CHARACTERISTICS | | | |
|--|--------|--------|-------------|
| RP1 | | | None |
| Direct: Peak Candela & Angle (0deg) | 890.9 | | 0.0 |
| Direct: Peak Candela & Angle (90deg) | 1301.3 | | 22.5 |
| Spacing Criteria (0deg, 90deg, 180deg) | 1.12 | 1.67 | N/A |
| Indirect: Peak Candela & Angle | N/A | N/A | N/A |
| Indirect: Zenith Candela, Peak to Zenith | N/A | N/A | N/A |
| Luminous Length, Width, Height (ft) | 4.0000 | 0.1500 | 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 | 0.4308 | 0.3998 | 3071 0.0009 |
| CRI (Ra), R9 | | | 84 16 |
| 120V: P(W), I(A), THD(%), PF | 31.7 | 0.264 | 7.3 0.996 |
| 277V: P(W), I(A), THD(%), PF | 31.9 | 0.119 | 13.1 0.961 |
| 347V: P(W), I(A), THD(%), PF | 31.5 | 0.087 | 9.1 0.961 |

| COEFFICIENTS OF UTILIZATION (%) | | | | | | | | | | | | | |
|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|---|
| Pc--- | 80 | | | | 70 | | | | 50 | | | | 0 |
| Pw--- | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 50 | 30 | 10 | 0 | 0 | |
| RCR | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 | 111 | 100 | | |
| 1 | 110 | 105 | 101 | 98 | 107 | 103 | 99 | 99 | 96 | 93 | 85 | | |
| 2 | 100 | 92 | 86 | 80 | 98 | 90 | 85 | 87 | 82 | 78 | 72 | | |
| 3 | 92 | 81 | 74 | 67 | 89 | 80 | 73 | 77 | 71 | 66 | 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 | 69 | 57 | 49 | 56 | 48 | 43 | 40 | | |
| 7 | 66 | 53 | 44 | 38 | 64 | 52 | 44 | 50 | 43 | 38 | 35 | | |
| 8 | 61 | 48 | 40 | 34 | 60 | 47 | 39 | 46 | 39 | 34 | 31 | | |
| 9 | 57 | 44 | 36 | 31 | 56 | 44 | 36 | 42 | 35 | 30 | 28 | | |
| 10 | 54 | 41 | 33 | 28 | 52 | 40 | 33 | 39 | 32 | 27 | 25 | | |

*Based on a floor reflectance of 0.2

| ZONAL LUMEN SUMMARY | | | |
|---------------------|--------|----------|--------|
| Zone | Lumens | %Fixture | %Lamp |
| 0-30 | 872 | 28.7% | 28.7% |
| 0-40 | 1478 | 48.6% | 48.6% |
| 0-60 | 2551 | 83.9% | 83.9% |
| 0-90 | 3042 | 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 | 3042 | 100.0% | 100.0% |

| AVG LUMINANCE (cd/m ²) | | | |
|------------------------------------|-------|-------|-------|
| | 0 | 45 | 90 |
| 0 | 15977 | 15977 | 15977 |
| 5 | 15599 | 16459 | 17062 |
| 15 | 15046 | 19335 | 22188 |
| 25 | 14172 | 22399 | 25741 |
| 35 | 13311 | 23843 | 24581 |
| 45 | 11862 | 22724 | 21197 |
| 55 | 11400 | 19791 | 17299 |
| 65 | 10553 | 14691 | 13087 |
| 75 | 8467 | 10199 | 9188 |
| 85 | 5453 | 6091 | 5885 |



LEDALITE

Ledalite
19750 - 92A Avenue
Langley, BC
CANADA V1M 3B2
Phone: 604-888-6811
Fax: 800-665-5332
604-888-2003