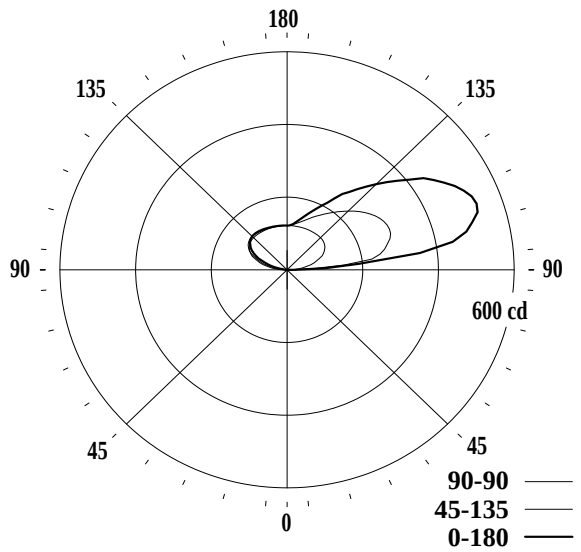
# LEDALITE - TRUGROOVE COVE

| | | | |
|---|---|---|---|
| **TEST DATE:** | 26 Nov 2019 | **CATALOG NO:** | **TC08L83010WN04xDE** |
| **Lamp Type:** | LED | **Description:** | TRUGROOVE COVE FOCUS 1000LM 830 |
| **No. of Lamps:** | 88 | | |
| **Rated Lamp Lumens:** | -1 | **Flux (lm), Efficiency (%):** | 998 lm 100.0% |
| **Input Watts:** | 277 VAC 8.7 | **Up/Dn Ratio, Efficacy (lm/W):** | 99% Up / 1% Dn 114.7 |
| **CIE-IES Classification:** | Indirect | **Report:** | LNG00695 |

## CANDELA DISTRIBUTION

| | 0 | 45 | 90 | 135 | 180 | Flux Lumens |
|---|---|---|---|---|---|---|
| 0 | 1 | 1 | 1 | 1 | 1 | |
| 5 | 1 | 1 | 1 | 1 | 1 | 0 |
| 15 | 0 | 1 | 1 | 1 | 1 | 0 |
| 25 | 0 | 1 | 1 | 1 | 1 | 0 |
| 35 | 0 | 1 | 1 | 1 | 1 | 1 |
| 45 | 0 | 1 | 1 | 1 | 1 | 1 |
| 55 | 0 | 2 | 2 | 2 | 1 | 1 |
| 65 | 0 | 2 | 2 | 2 | 1 | 2 |
| 75 | 0 | 3 | 2 | 3 | 1 | 2 |
| 85 | 0 | 4 | 3 | 3 | 1 | 4 |
| 90 | 18 | 14 | 7 | 3 | 1 | |
| 95 | 192 | 151 | 32 | 8 | 4 | 78 |
| 105 | 507 | 275 | 74 | 65 | 46 | 179 |
| 115 | 515 | 292 | 106 | 103 | 91 | 198 |
| 125 | 440 | 268 | 121 | 125 | 118 | 178 |
| 135 | 334 | 229 | 125 | 130 | 130 | 140 |
| 145 | 255 | 190 | 124 | 128 | 130 | 100 |
| 155 | 187 | 160 | 123 | 125 | 126 | 66 |
| 165 | 147 | 136 | 122 | 123 | 124 | 37 |
| 175 | 124 | 123 | 122 | 122 | 122 | 12 |
| 180 | 122 | 122 | 122 | 122 | 122 | |

## POLAR CANDELA PLOT




## CHARACTERISTICS

| | | | | |
|---|---|---|---|---|
| RP1 | Meets RP-1-12 recommendations for VDT-Critical spaces | | | |
| Direct: Peak Candela & Angle (0deg) | | | 17.9 | 90.0 |
| Direct: Peak Candela & Angle (180deg) | | | 1.1 | 72.5 |
| Spacing Criteria (0deg, 90deg, 180deg) | | 0.61 | 2.67 | 1.12 |
| Indirect: Peak Candela & Angle | | | 532.9 | 110.0 |
| Indirect: Zenith Candela, Peak to Zenith | | | 121.8 | 4.38 |
| Luminous Length, Width, Height (ft) | | 0.35 | 4.00 | 0.02 |
| UGR (4H x 8H, 0.25H) | | | | N/A |
| Melanopic Ratio | | | | N/A |
| DLC (120/277), DLC (347) | | | N/A | N/A |
| x, y, CCT ,Duv | 0.4261 | 0.3984 | 3144 | 0.0007 |
| CRI (Ra), R9 | | | 83 | 9 |
| 120V: P(W), I(A), THD(%), PF | 8.3 | 0.080 | 17.5 | 0.974 |
| 277V: P(W), I(A), THD(%), PF | 8.7 | 0.040 | 21.2 | 0.842 |
| 347V: P(W), I(A), THD(%), PF | 9.0 | 0.030 | 15.6 | 0.893 |

## COEFFICIENTS OF UTILIZATION (%)

| Pc--- | 80 | | | | 70 | | | 50 | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Pw--- | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | |
| 0 | 96 | 96 | 96 | 96 | 82 | 82 | 82 | 56 | 56 | 56 | 1 |
| 1 | 87 | 83 | 79 | 76 | 74 | 71 | 68 | 49 | 47 | 45 | 1 |
| 2 | 79 | 72 | 66 | 61 | 67 | 62 | 57 | 42 | 40 | 37 | 0 |
| 3 | 72 | 63 | 56 | 51 | 61 | 54 | 49 | 37 | 34 | 31 | 0 |
| 4 | 65 | 56 | 48 | 43 | 56 | 48 | 42 | 33 | 29 | 26 | 0 |
| 5 | 60 | 49 | 42 | 36 | 51 | 42 | 36 | 29 | 25 | 22 | 0 |
| 6 | 55 | 44 | 36 | 31 | 47 | 38 | 31 | 26 | 22 | 19 | 0 |
| 7 | 50 | 39 | 32 | 27 | 43 | 34 | 28 | 23 | 19 | 17 | 0 |
| 8 | 47 | 35 | 28 | 23 | 40 | 30 | 24 | 21 | 17 | 14 | 0 |
| 9 | 43 | 32 | 25 | 20 | 37 | 27 | 22 | 19 | 15 | 13 | 0 |
| 10 | 40 | 29 | 22 | 18 | 34 | 25 | 19 | 17 | 14 | 11 | 0 |

*Based on a floor reflectance of 0.2

## ZONAL LUMEN SUMMARY

| Zone | Lumens | %Fixture | %Lamp |
|---|---|---|---|
| 0-30 | 1 | 0.1% | 0.1% |
| 0-40 | 1 | 0.1% | 0.1% |
| 0-60 | 3 | 0.3% | 0.3% |
| 0-90 | 11 | 1.1% | 1.1% |
| 90-130 | 632 | 63.3% | 63.3% |
| 90-150 | 872 | 87.4% | 87.4% |
| 90-180 | 986 | 98.9% | 98.9% |
| 0-180 | 998 | 100.0% | 100.0% |

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

| | 0 | 90 | 180 |
|---|---|---|---|
| 0 | 5 | 5 | 5 |
| 5 | 5 | 5 | 6 |
| 15 | 3 | 6 | 5 |
| 25 | 2 | 7 | 4 |
| 35 | 0 | 9 | 5 |
| 45 | 0 | 14 | 5 |
| 55 | 0 | 23 | 9 |
| 65 | 0 | 38 | 15 |
| 75 | 0 | 70 | 27 |
| 85 | 0 | 217 | 59 |

## LUMINAIRE SECTION

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