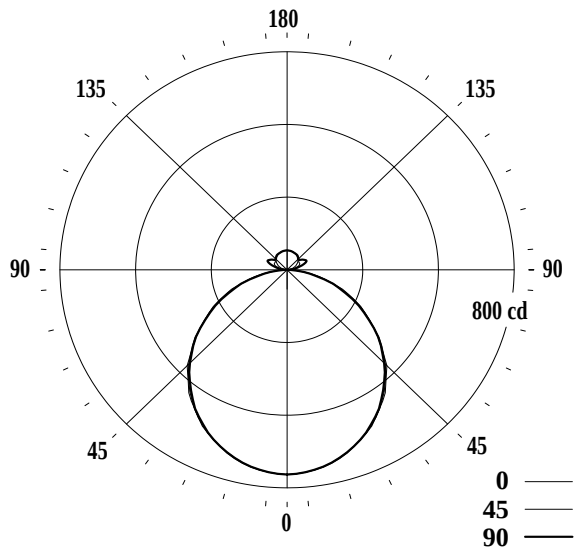
# LEDALITE - FLOATPLANE

| | | | |
|---|---|---|---|
| **TEST DATE:** | 17 Sep 2019 | **CATALOG NO:** | **24x5LCEAH04** |
| **Lamp Type:** | LED | **Description:** | FLOATPLANE 90%DN 3200LM 830 |
| **No. of Lamps:** | 176 | | |
| **Rated Lamp Lumens:** | -1 | **Flux (lm), Efficiency (%):** | 2405 lm 100.0% |
| **Input Watts:** | 277 VAC 22.3 | **Up/Dn Ratio, Efficacy (lm/W):** | 12% Up / 88% Dn 107.8 |
| **CIE-IES Classification:** | Semi-Direct | **Report:** | LNG00062 |

## CANDELA DISTRIBUTION

| | 0 | 22.5 | 45 | 67.5 | 90 | Flux Lumens |
|---|---|---|---|---|---|---|
| 0 | 751 | 751 | 751 | 751 | 751 | |
| 5 | 745 | 747 | 746 | 747 | 745 | 71 |
| 15 | 716 | 721 | 714 | 717 | 714 | 202 |
| 25 | 661 | 669 | 660 | 663 | 659 | 306 |
| 35 | 588 | 590 | 584 | 588 | 579 | 367 |
| 45 | 498 | 500 | 490 | 491 | 484 | 379 |
| 55 | 375 | 393 | 374 | 383 | 373 | 341 |
| 65 | 263 | 274 | 260 | 266 | 254 | 262 |
| 75 | 144 | 149 | 140 | 148 | 136 | 152 |
| 85 | 38 | 43 | 35 | 38 | 34 | 44 |
| 90 | 0 | 0 | 0 | 0 | 0 | |
| 95 | 7 | 7 | 11 | 10 | 11 | 11 |
| 105 | 18 | 20 | 33 | 42 | 46 | 34 |
| 115 | 33 | 36 | 49 | 69 | 76 | 50 |
| 125 | 45 | 47 | 51 | 60 | 66 | 48 |
| 135 | 54 | 55 | 58 | 55 | 56 | 43 |
| 145 | 61 | 61 | 63 | 64 | 64 | 39 |
| 155 | 66 | 66 | 66 | 66 | 67 | 31 |
| 165 | 70 | 69 | 69 | 69 | 69 | 20 |
| 175 | 71 | 71 | 71 | 71 | 71 | 7 |
| 180 | 71 | 71 | 71 | 71 | 71 | |

## POLAR CANDELA PLOT




## CHARACTERISTICS

| | | | | |
|---|---|---|---|---|
| RP1 | Meets RP-1-12 recommendations for VDT-Normal spaces | | | |
| Direct: Peak Candela & Angle (0deg) | | | 751.0 | 0.0 |
| Direct: Peak Candela & Angle (90deg) | | | 751.0 | 0.0 |
| Spacing Criteria (0deg, 90deg, 180deg) | | 1.24 | 1.23 | N/A |
| Indirect: Peak Candela & Angle | | | 76.1 | 117.5 |
| Indirect: Zenith Candela, Peak to Zenith | | | 71.4 | 1.07 |
| Luminous Length, Width, Height (ft) | | 3.89 | 0.56 | 0.00 |
| UGR (4H x 8H, 0.25H) | | | | N/A |
| Ballast Factor, Multiplication Factor | | | 1.000 | 1.000 |
| DLC (120/277), DLC (347) | | | Standard | Standard |
| x, y, CCT ,Duv | 0.4285 | 0.4003 | 3117 | -0.0003 |
| CRI (Ra), R9 | | | 83 | 9 |
| 120V: P(W), I(A), THD(%), PF | 22.3 | 0.186 | 11.6 | 0.997 |
| 277V: P(W), I(A), THD(%), PF | 22.3 | 0.086 | 12.7 | 0.938 |
| 347V: P(W), I(A), THD(%), PF | 22.3 | 0.068 | 9.6 | 0.952 |

## COEFFICIENTS OF UTILIZATION (%)

| Pc--- | 80 | | | | 70 | | | 50 | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Pw--- | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | |
| 0 | 116 | 116 | 116 | 116 | 112 | 112 | 112 | 105 | 105 | 105 | 88 |
| 1 | 106 | 101 | 97 | 93 | 102 | 98 | 94 | 91 | 88 | 86 | 74 |
| 2 | 96 | 88 | 81 | 76 | 93 | 85 | 79 | 80 | 75 | 70 | 61 |
| 3 | 88 | 77 | 69 | 63 | 84 | 75 | 67 | 70 | 64 | 59 | 51 |
| 4 | 80 | 68 | 60 | 53 | 77 | 66 | 58 | 62 | 56 | 50 | 44 |
| 5 | 74 | 61 | 52 | 46 | 71 | 59 | 51 | 56 | 49 | 43 | 38 |
| 6 | 68 | 55 | 46 | 40 | 65 | 53 | 45 | 50 | 43 | 38 | 33 |
| 7 | 63 | 50 | 41 | 35 | 61 | 48 | 40 | 46 | 39 | 33 | 29 |
| 8 | 59 | 45 | 37 | 31 | 56 | 44 | 36 | 42 | 35 | 30 | 26 |
| 9 | 55 | 42 | 33 | 28 | 53 | 40 | 33 | 38 | 32 | 27 | 23 |
| 10 | 51 | 38 | 30 | 25 | 49 | 37 | 30 | 36 | 29 | 24 | 21 |

*Based on a floor reflectance of 0.2

## ZONAL LUMEN SUMMARY

| Zone | Lumens | %Fixture | %Lamp |
|---|---|---|---|
| 0-30 | 579 | 24.1% | 24.1% |
| 0-40 | 945 | 39.3% | 39.3% |
| 0-60 | 1665 | 69.2% | 69.2% |
| 0-90 | 2123 | 88.3% | 88.3% |
| 90-130 | 143 | 5.9% | 5.9% |
| 90-150 | 225 | 9.4% | 9.4% |
| 90-180 | 282 | 11.7% | 11.7% |
| 0-180 | 2405 | 100.0% | 100.0% |

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

| | 0 | 45 | 90 |
|---|---|---|---|
| 0 | 3709 | 3709 | 3709 |
| 5 | 3695 | 3697 | 3695 |
| 15 | 3663 | 3650 | 3652 |
| 25 | 3604 | 3596 | 3592 |
| 35 | 3543 | 3520 | 3493 |
| 45 | 3475 | 3422 | 3381 |
| 55 | 3231 | 3223 | 3216 |
| 65 | 3069 | 3041 | 2972 |
| 75 | 2739 | 2670 | 2599 |
| 85 | 2165 | 1995 | 1899 |

## LUMINAIRE SECTION

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