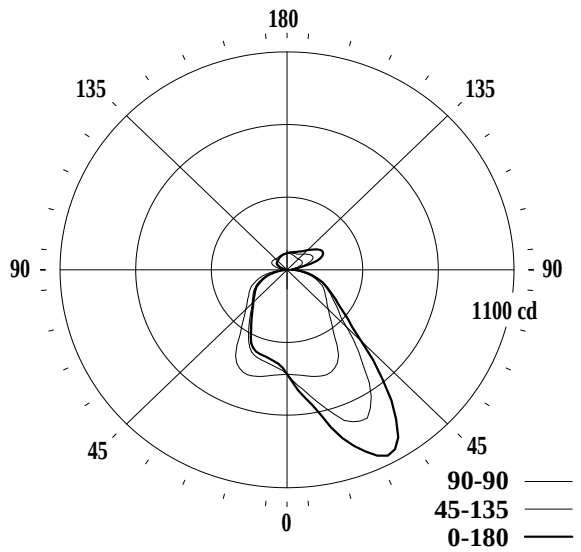
# LEDALITE - EYELINE

| | | | |
|---|---|---|---|
| **TEST DATE:** | 07 Jan 2019 | **CATALOG NO:** | **ELxWL83524WG04D** |
| **Lamp Type:** | LED | **Description:** | EYELINE WALL 80%DN 2400LM 835 |
| **No. of Lamps:** | 1 | | |
| **Rated Lamp Lumens:** | -1 | **Flux (lm), Efficiency (%):** | 2059 lm 100.0% |
| **Input Watts:** | 120 VAC 18.2 | **Up/Dn Ratio, Efficacy (lm/W):** | 22% Up / 78% Dn 113.1 |
| **CIE-IES Classification:** | Semi-Direct | **Report (Ele, Col, Photo):** | EL48 F39392Color S07018-6 |

## CANDELA DISTRIBUTION

| | 0 | 45 | 90 | 135 | 180 | Flux Lumens |
|---|---|---|---|---|---|---|
| 0 | 526 | 526 | 526 | 526 | 526 | |
| 5 | 610 | 584 | 533 | 499 | 477 | 52 |
| 15 | 823 | 723 | 557 | 472 | 448 | 170 |
| 25 | 1035 | 842 | 547 | 429 | 410 | 287 |
| 35 | 921 | 695 | 396 | 319 | 300 | 305 |
| 45 | 508 | 410 | 283 | 239 | 232 | 249 |
| 55 | 304 | 280 | 227 | 199 | 189 | 211 |
| 65 | 217 | 208 | 189 | 154 | 142 | 177 |
| 75 | 141 | 147 | 125 | 91 | 83 | 119 |
| 85 | 68 | 62 | 43 | 13 | 10 | 40 |
| 90 | 28 | 20 | 4 | 1 | 1 | |
| 95 | 27 | 23 | 15 | 2 | 1 | 16 |
| 105 | 119 | 86 | 59 | 24 | 15 | 58 |
| 115 | 193 | 139 | 82 | 53 | 44 | 95 |
| 125 | 180 | 134 | 83 | 64 | 59 | 90 |
| 135 | 141 | 112 | 78 | 66 | 64 | 70 |
| 145 | 113 | 97 | 76 | 69 | 69 | 53 |
| 155 | 99 | 91 | 79 | 73 | 74 | 38 |
| 165 | 92 | 88 | 82 | 78 | 78 | 24 |
| 175 | 87 | 86 | 84 | 83 | 82 | 8 |
| 180 | 84 | 84 | 84 | 84 | 84 | |

## POLAR CANDELA PLOT




## CHARACTERISTICS

| | | | | |
|---|---|---|---|---|
| RP1 | | | | None |
| Direct: Peak Candela & Angle (0deg) | | | 1057.4 | 27.5 |
| Direct: Peak Candela & Angle (180deg) | | | 526.1 | 0.0 |
| Spacing Criteria (0deg, 90deg, 180deg) | | 1.80 | 1.29 | 1.05 |
| Indirect: Peak Candela & Angle | | | 195.4 | 117.5 |
| Indirect: Zenith Candela, Peak to Zenith | | | 83.9 | 2.33 |
| Luminous Length, Width, Height (ft) | | 0.3400 | 3.9400 | 0.0200 |
| UGR (4H x 8H, 0.25H) | | | | N/A |
| Ballast Factor, Multiplication Factor | | | 1.000 | 0.522 |
| DesignLights Consortium | | | | N/A |
| x, y, CCT ,Duv | 0.4092 | 0.3939 | 3441 | 0.0005 |
| CRI (Ra), R9 | | | 82 | 10 |
| 120V: P(W), I(A), THD(%), PF | 18.2 | 0.152 | 9.0 | 0.994 |
| 277V: P(W), I(A), THD(%), PF | 18.3 | 0.069 | 15.0 | 0.959 |
| 347V: P(W), I(A), THD(%), PF | 18.9 | 0.056 | 15.0 | 0.965 |

## COEFFICIENTS OF UTILIZATION (%)

| Pc--- | 80 | | | | 70 | | | 50 | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Pw--- | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | |
| 0 | 114 | 114 | 114 | 114 | 109 | 109 | 109 | 99 | 99 | 99 | 78 |
| 1 | 104 | 99 | 95 | 91 | 99 | 95 | 91 | 87 | 84 | 81 | 65 |
| 2 | 95 | 87 | 80 | 75 | 90 | 83 | 77 | 76 | 71 | 67 | 55 |
| 3 | 87 | 77 | 69 | 63 | 82 | 73 | 66 | 67 | 62 | 57 | 47 |
| 4 | 79 | 68 | 60 | 53 | 76 | 65 | 58 | 60 | 54 | 49 | 40 |
| 5 | 73 | 61 | 53 | 46 | 70 | 59 | 51 | 54 | 48 | 43 | 35 |
| 6 | 68 | 55 | 47 | 41 | 64 | 53 | 45 | 49 | 42 | 37 | 31 |
| 7 | 63 | 50 | 42 | 36 | 60 | 48 | 40 | 45 | 38 | 33 | 28 |
| 8 | 58 | 46 | 38 | 32 | 56 | 44 | 37 | 41 | 34 | 30 | 25 |
| 9 | 55 | 42 | 34 | 29 | 52 | 40 | 33 | 38 | 31 | 27 | 23 |
| 10 | 51 | 39 | 31 | 26 | 49 | 37 | 30 | 35 | 29 | 24 | 20 |

*Based on a floor reflectance of 0.2

## ZONAL LUMEN SUMMARY

| Zone | Lumens | %Fixture | %Lamp |
|---|---|---|---|
| 0-30 | 509 | 24.7% | 24.7% |
| 0-40 | 814 | 39.5% | 39.5% |
| 0-60 | 1274 | 61.9% | 61.9% |
| 0-90 | 1609 | 78.2% | 78.2% |
| 90-130 | 258 | 12.5% | 12.5% |
| 90-150 | 380 | 18.5% | 18.5% |
| 90-180 | 450 | 21.8% | 21.8% |
| 0-180 | 2059 | 100.0% | 100.0% |

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

| | 0 | 90 | 180 |
|---|---|---|---|
| 0 | 4226 | 4226 | 4226 |
| 5 | 4890 | 4293 | 3823 |
| 15 | 6737 | 4624 | 3665 |
| 25 | 8926 | 4834 | 3538 |
| 35 | 8674 | 3865 | 2820 |
| 45 | 5452 | 3202 | 2486 |
| 55 | 3929 | 3153 | 2447 |
| 65 | 3656 | 3546 | 2387 |
| 75 | 3576 | 3798 | 2100 |
| 85 | 3748 | 3774 | 558 |

## LUMINAIRE SECTION

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