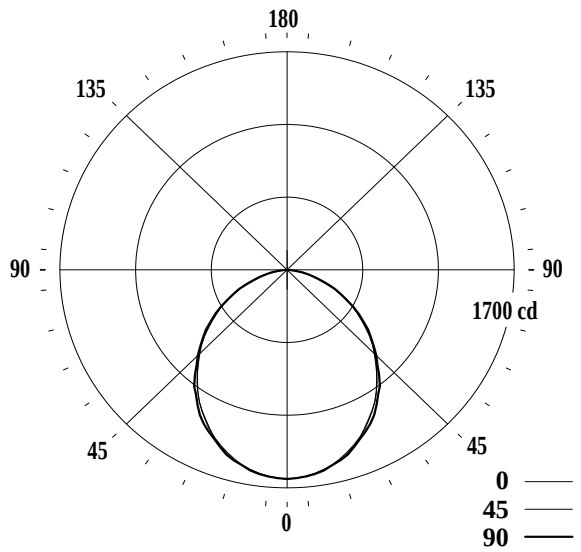
# LEDALITE - SILKSPACE DEFINITION

| | | | |
|---|---|---|---|
| **TEST DATE:** | 18 Oct 2019 | **CATALOG NO:** | **4224x1STL83540AxDE** |
| **Lamp Type:** | LED | **Description:** | SILKSPACE DEFINITION 2X4 4000LM 835 |
| **No. of Lamps:** | 176 | | |
| **Rated Lamp Lumens:** | -1 | **Flux (lm), Efficiency (%):** | 4043 lm 100.0% |
| **Input Watts:** | 120 VAC 29.5 | **Up/Dn Ratio, Efficacy (lm/W):** | 0% Up / 100% Dn 137.1 |
| **CIE-IES Classification:** | Direct | **Report:** | LNG00519 |

## CANDELA DISTRIBUTION

| | 0 | 22.5 | 45 | 67.5 | 90 | Flux Lumens |
|---|---|---|---|---|---|---|
| 0 | 1631 | 1631 | 1631 | 1631 | 1631 | |
| 5 | 1615 | 1621 | 1616 | 1621 | 1617 | 154 |
| 15 | 1536 | 1535 | 1526 | 1543 | 1538 | 433 |
| 25 | 1367 | 1391 | 1374 | 1404 | 1391 | 638 |
| 35 | 1164 | 1195 | 1165 | 1203 | 1188 | 741 |
| 45 | 924 | 948 | 933 | 970 | 946 | 729 |
| 55 | 677 | 703 | 689 | 711 | 695 | 622 |
| 65 | 434 | 459 | 432 | 456 | 441 | 442 |
| 75 | 218 | 229 | 211 | 223 | 207 | 231 |
| 85 | 40 | 48 | 38 | 44 | 31 | 53 |
| 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) | | | 1630.6 | 0.0 |
| Direct: Peak Candela & Angle (90deg) | | | 1630.6 | 0.0 |
| Spacing Criteria (0deg, 90deg, 180deg) | | 1.17 | 1.19 | 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) | | 3.90 | 1.91 | 0.00 |
| UGR (4H x 8H, 0.25H) | | | | 17.7 |
| Ballast Factor, Multiplication Factor | | | 1.000 | 1.000 |
| DLC (120/277), DLC (347) | | | premium | premium |
| x, y, CCT ,Duv | 0.4061 | 0.3934 | 3505 | 0.0010 |
| CRI (Ra), R9 | | | 82 | 9 |
| 120V: P(W), I(A), THD(%), PF | 29.5 | 0.247 | 8.6 | 0.994 |
| 277V: P(W), I(A), THD(%), PF | 29.4 | 0.110 | 9.9 | 0.969 |
| 347V: P(W), I(A), THD(%), PF | 30.1 | 0.090 | 7.9 | 0.958 |

## 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 | 103 | 99 | 98 | 95 | 93 | 85 |
| 2 | 100 | 92 | 85 | 80 | 97 | 90 | 84 | 87 | 82 | 77 | 72 |
| 3 | 91 | 81 | 73 | 67 | 89 | 80 | 72 | 77 | 70 | 65 | 61 |
| 4 | 84 | 72 | 64 | 57 | 82 | 71 | 63 | 68 | 62 | 56 | 52 |
| 5 | 77 | 65 | 56 | 50 | 75 | 64 | 55 | 62 | 54 | 49 | 46 |
| 6 | 71 | 58 | 50 | 43 | 70 | 58 | 49 | 56 | 48 | 43 | 40 |
| 7 | 66 | 53 | 45 | 39 | 65 | 52 | 44 | 51 | 44 | 38 | 36 |
| 8 | 62 | 49 | 40 | 35 | 60 | 48 | 40 | 47 | 39 | 34 | 32 |
| 9 | 58 | 45 | 37 | 31 | 56 | 44 | 36 | 43 | 36 | 31 | 29 |
| 10 | 54 | 41 | 34 | 28 | 53 | 41 | 33 | 40 | 33 | 28 | 26 |

*Based on a floor reflectance of 0.2

## ZONAL LUMEN SUMMARY

| Zone | Lumens | %Fixture | %Lamp |
|---|---|---|---|
| 0-30 | 1224 | 30.3% | 30.3% |
| 0-40 | 1965 | 48.6% | 48.6% |
| 0-60 | 3316 | 82.0% | 82.0% |
| 0-90 | 4043 | 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 | 4043 | 100.0% | 100.0% |

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

| | 0 | 45 | 90 |
|---|---|---|---|
| 0 | 2355 | 2355 | 2355 |
| 5 | 2342 | 2343 | 2345 |
| 15 | 2297 | 2281 | 2300 |
| 25 | 2179 | 2190 | 2216 |
| 35 | 2052 | 2055 | 2096 |
| 45 | 1887 | 1905 | 1931 |
| 55 | 1705 | 1734 | 1749 |
| 65 | 1484 | 1475 | 1507 |
| 75 | 1214 | 1176 | 1152 |
| 85 | 660 | 635 | 519 |

## LUMINAIRE SECTION

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