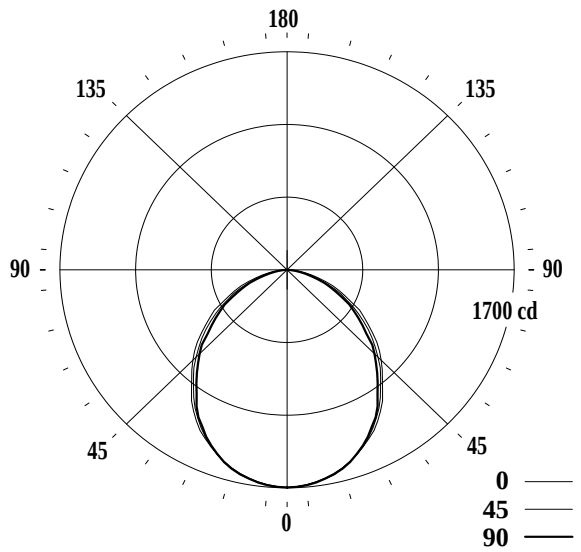
# LEDALITE - SILKSPACE DEFINITION

| | | | |
|---|---|---|---|
| **TEST DATE:** | 18 Oct 2019 | **CATALOG NO:** | **4214x1STL85040AxDE** |
| **Lamp Type:** | LED | **Description:** | SILKSPACE DEFINITION 1X4 4000LM 850 |
| **No. of Lamps:** | 88 | | |
| **Rated Lamp Lumens:** | -1 | **Flux (lm), Efficiency (%):** | 4172 lm 100.0% |
| **Input Watts:** | 120 VAC 36.4 | **Up/Dn Ratio, Efficacy (lm/W):** | 0% Up / 100% Dn 114.6 |
| **CIE-IES Classification:** | Direct | **Report:** | LNG00493 |

## CANDELA DISTRIBUTION

| | 0 | 22.5 | 45 | 67.5 | 90 | Flux Lumens |
|---|---|---|---|---|---|---|
| 0 | 1697 | 1697 | 1697 | 1697 | 1697 | |
| 5 | 1681 | 1688 | 1683 | 1687 | 1686 | 160 |
| 15 | 1599 | 1614 | 1602 | 1610 | 1604 | 453 |
| 25 | 1451 | 1470 | 1442 | 1452 | 1435 | 668 |
| 35 | 1247 | 1268 | 1218 | 1214 | 1181 | 767 |
| 45 | 997 | 1015 | 963 | 948 | 926 | 750 |
| 55 | 740 | 749 | 698 | 684 | 651 | 633 |
| 65 | 479 | 491 | 445 | 441 | 401 | 449 |
| 75 | 244 | 246 | 211 | 209 | 186 | 235 |
| 85 | 60 | 62 | 43 | 45 | 33 | 58 |
| 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) | | | 1697.0 | 0.0 |
| Direct: Peak Candela & Angle (90deg) | | | 1697.0 | 0.0 |
| Spacing Criteria (0deg, 90deg, 180deg) | | 1.19 | 1.17 | 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 | 0.91 | 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 | 0.3425 | 0.3523 | 5101 | 0.0014 |
| CRI (Ra), R9 | | | 82 | 13 |
| 120V: P(W), I(A), THD(%), PF | 36.4 | 0.304 | 6.6 | 0.997 |
| 277V: P(W), I(A), THD(%), PF | 36.3 | 0.136 | 8.6 | 0.966 |
| 347V: P(W), I(A), THD(%), PF | 37.1 | 0.110 | 6.6 | 0.971 |

## 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 | 86 | 80 | 97 | 90 | 84 | 87 | 82 | 77 | 72 |
| 3 | 91 | 81 | 73 | 67 | 89 | 80 | 72 | 77 | 71 | 65 | 61 |
| 4 | 84 | 72 | 64 | 57 | 82 | 71 | 63 | 69 | 62 | 56 | 53 |
| 5 | 77 | 65 | 56 | 50 | 75 | 64 | 56 | 62 | 55 | 49 | 46 |
| 6 | 72 | 59 | 50 | 44 | 70 | 58 | 50 | 56 | 49 | 43 | 40 |
| 7 | 67 | 53 | 45 | 39 | 65 | 53 | 44 | 51 | 44 | 38 | 36 |
| 8 | 62 | 49 | 41 | 35 | 61 | 48 | 40 | 47 | 40 | 34 | 32 |
| 9 | 58 | 45 | 37 | 31 | 57 | 44 | 37 | 43 | 36 | 31 | 29 |
| 10 | 54 | 42 | 34 | 29 | 53 | 41 | 34 | 40 | 33 | 28 | 26 |

*Based on a floor reflectance of 0.2

## ZONAL LUMEN SUMMARY

| Zone | Lumens | %Fixture | %Lamp |
|---|---|---|---|
| 0-30 | 1281 | 30.7% | 30.7% |
| 0-40 | 2048 | 49.1% | 49.1% |
| 0-60 | 3431 | 82.2% | 82.2% |
| 0-90 | 4172 | 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 | 4172 | 100.0% | 100.0% |

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

| | 0 | 45 | 90 |
|---|---|---|---|
| 0 | 5145 | 5145 | 5145 |
| 5 | 5117 | 5123 | 5131 |
| 15 | 5018 | 5028 | 5036 |
| 25 | 4854 | 4824 | 4799 |
| 35 | 4614 | 4506 | 4370 |
| 45 | 4275 | 4129 | 3969 |
| 55 | 3914 | 3690 | 3441 |
| 65 | 3435 | 3194 | 2875 |
| 75 | 2858 | 2466 | 2174 |
| 85 | 2070 | 1503 | 1151 |

## LUMINAIRE SECTION

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