

LUMINAIRE: RLA14-30VLX-EDU
 RLA Led, Recessed Architectural
 1 x 4 led with frosted scalloped acrylic lens
BALLAST: XI054C150V054DNT1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 5512
WATTS: 57.00
MOUNTING: Recessed
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.20 90° = 1.11
LUMINOUS OPENING IN FEET
 LENGTH: 3.75
 WIDTH: 0.79
 HEIGHT: 0.00

TEST #15.00791
 DATE: 5/15/2015

TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 97

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.47
BASED ON 3000 HRS. AND \$.08 PER KWH

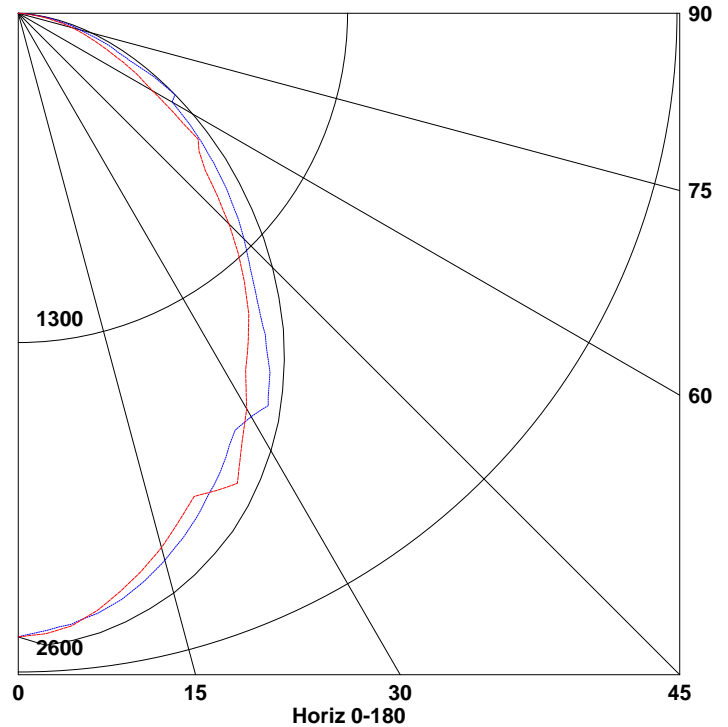
ZONAL LUMENS

| ZONE | LUMENS | % LAMP | % FIXTURE |
|-------|--------|--------|-----------|
| 0-30 | 1790 | 32.5 | 32.5 |
| 0-40 | 2841 | 51.5 | 51.5 |
| 0-60 | 4634 | 84.1 | 84.1 |
| 0-90 | 5512 | 100.0 | 100.0 |
| 0-180 | 5512 | 100.0 | 100.0 |

AVERAGE LUMINANCE

| ANGLE | CANDELA/SQ M | | | | |
|-------|--------------|------|------|------|------|
| | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 |
| 0 | 8942 | 8942 | 8942 | 8942 | 8942 |
| 30 | 8366 | 7896 | 7711 | 7732 | 7560 |
| 40 | 7722 | 7148 | 6939 | 6669 | 6593 |
| 45 | 7291 | 6772 | 6474 | 6192 | 6048 |
| 50 | 6806 | 6941 | 6054 | 5636 | 5443 |
| 55 | 6316 | 6202 | 5574 | 5435 | 5486 |
| 60 | 5777 | 5443 | 5094 | 4796 | 4447 |
| 65 | 5236 | 5012 | 5047 | 4144 | 3920 |
| 70 | 4738 | 4515 | 4175 | 3559 | 3431 |
| 75 | 4183 | 4436 | 3538 | 3229 | 3117 |
| 80 | 3536 | 3348 | 3034 | 2636 | 2532 |
| 85 | 2626 | 2335 | 1959 | 1709 | 1668 |

INDOOR CANDELA PLOT



0.0 ——— 45.0 ——— 90.0 ———

COEFFICIENTS OF UTILIZATION (%)

| RC | EFFECTIVE FLOOR CAVITY REFLECTANCE = 20% | | | | | | | | | | | | | | | | | | |
|----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 80% | | | | 70% | | | | 50% | | | | 30% | | | | | | |
| | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0% | |
| RW | 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| | 1 | 110 | 105 | 101 | 98 | 107 | 103 | 100 | 96 | 99 | 96 | 93 | 95 | 93 | 90 | 91 | 90 | 88 | 86 |
| | 2 | 101 | 93 | 87 | 81 | 98 | 91 | 85 | 80 | 88 | 83 | 78 | 84 | 80 | 77 | 81 | 78 | 75 | 73 |
| | 3 | 92 | 82 | 75 | 69 | 90 | 81 | 74 | 68 | 78 | 72 | 67 | 75 | 70 | 66 | 73 | 68 | 65 | 63 |
| R | 4 | 85 | 74 | 65 | 59 | 83 | 72 | 65 | 59 | 70 | 63 | 58 | 68 | 62 | 57 | 65 | 60 | 56 | 54 |
| C | 5 | 78 | 66 | 58 | 51 | 76 | 65 | 57 | 51 | 63 | 56 | 51 | 61 | 55 | 50 | 59 | 54 | 49 | 47 |
| R | 6 | 73 | 60 | 51 | 45 | 71 | 59 | 51 | 45 | 57 | 50 | 45 | 56 | 49 | 44 | 54 | 48 | 44 | 42 |
| | 7 | 68 | 55 | 46 | 40 | 66 | 54 | 46 | 40 | 52 | 45 | 40 | 51 | 44 | 40 | 50 | 44 | 39 | 37 |
| | 8 | 63 | 50 | 42 | 36 | 62 | 49 | 42 | 36 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 35 | 34 |
| | 9 | 59 | 46 | 38 | 33 | 58 | 45 | 38 | 33 | 44 | 37 | 33 | 43 | 37 | 32 | 42 | 37 | 32 | 30 |
| | 10 | 55 | 43 | 35 | 30 | 54 | 42 | 35 | 30 | 41 | 34 | 30 | 40 | 34 | 30 | 39 | 34 | 29 | 28 |

RCR = ROOM CAVITY RATIO RC = EFFECTIVE CEILING CAVITY REFLECTANCE RW = WALL REFLECTANCE

THE DATA IN THIS REPORT ARE BASED ON ABSOLUTE MEASUREMENTS.
 ANSI/IESNA RP-1 COMPLIANCE IS BASED ON ABSOLUTE MEASUREMENTS.
 THIS TEST RUN IN ACCORDANCE WITH CURRENT I.E.S.N.A. PUBLISHED PROCEDURES.

APPROVED BY: _____

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TEST #15.00791
 DATE: 5/15/2015

CANDELA VALUES

| ANGLE | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 |
|-------|-------|------|------|------|------|
| 0.0 | 2461 | 2461 | 2461 | 2461 | 2461 |
| 2.5 | 2496* | 2453 | 2439 | 2453 | 2451 |
| 5.0 | 2484 | 2440 | 2420 | 2429 | 2426 |
| 7.5 | 2466 | 2418 | 2389 | 2389 | 2378 |
| 10.0 | 2439 | 2388 | 2349 | 2335 | 2317 |
| 12.5 | 2406 | 2350 | 2296 | 2274 | 2253 |
| 15.0 | 2369 | 2303 | 2234 | 2202 | 2183 |
| 17.5 | 2322 | 2246 | 2168 | 2127 | 2104 |
| 20.0 | 2268 | 2185 | 2094 | 2053 | 2029 |
| 22.5 | 2212 | 2118 | 2016 | 1978 | 2039 |
| 25.0 | 2146 | 2043 | 1936 | 2007 | 2046 |
| 27.5 | 2072 | 1965 | 1854 | 1973 | 1911 |
| 30.0 | 1994 | 1882 | 1838 | 1843 | 1802 |
| 32.5 | 1911 | 1791 | 1836 | 1711 | 1670 |
| 35.0 | 1818 | 1700 | 1732 | 1596 | 1582 |
| 37.5 | 1725 | 1605 | 1602 | 1506 | 1495 |
| 40.0 | 1628 | 1507 | 1463 | 1406 | 1390 |
| 42.5 | 1522 | 1409 | 1352 | 1310 | 1285 |
| 45.0 | 1419 | 1318 | 1260 | 1205 | 1177 |
| 47.5 | 1314 | 1277 | 1165 | 1097 | 1066 |
| 50.0 | 1204 | 1228 | 1071 | 997 | 963 |
| 52.5 | 1099 | 1106 | 975 | 897 | 900 |
| 55.0 | 997 | 979 | 880 | 858 | 866 |
| 57.5 | 892 | 847 | 788 | 798 | 724 |
| 60.0 | 795 | 749 | 701 | 660 | 612 |
| 62.5 | 701 | 664 | 697 | 554 | 535 |
| 65.0 | 609 | 583 | 587 | 482 | 456 |
| 67.5 | 525 | 502 | 463 | 404 | 383 |
| 70.0 | 446 | 425 | 393 | 335 | 323 |
| 72.5 | 368 | 356 | 319 | 281 | 271 |
| 75.0 | 298 | 316 | 252 | 230 | 222 |
| 77.5 | 229 | 225 | 199 | 177 | 171 |
| 80.0 | 169 | 160 | 145 | 126 | 121 |
| 82.5 | 115 | 104 | 91 | 78 | 75 |
| 85.0 | 63 | 56 | 47 | 41 | 40 |
| 87.5 | 22 | 15 | 18 | 16 | 17 |
| 90.0 | 0 | 0 | 0 | 0 | 0 |

*MAXIMUM CANDELA VALUE