

LUMINAIRE: VSY24-50MLHE-EDU
 Versify™ Architectural Edge Lit, Recessed Architectural
 2' x 4' Led with acrylic diffuser
 Data Scaled from Test# 19.01133
BALLAST: XI040C110V054BST1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 4893
WATTS: 36.69
MOUNTING: Recessed
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.20 90° = 1.20
LUMINOUS OPENING IN FEET
 LENGTH: 3.92
 WIDTH: 1.90
 HEIGHT: 0.00

TEST #23388

DATE: 6/14/2019

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 133

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.82

BASED ON 3000 HRS. AND \$.08 PER KWH

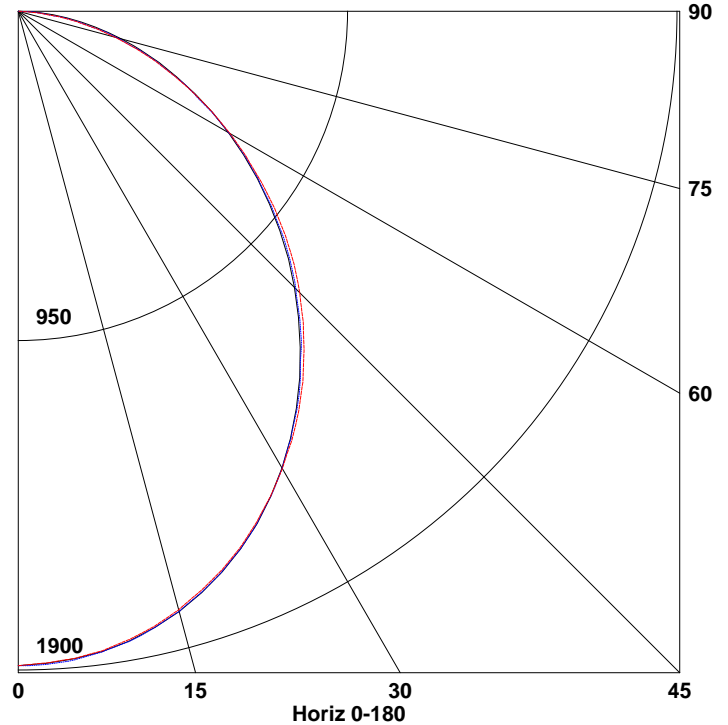
ZONAL LUMENS

| ZONE | LUMENS | % LAMP | % FIXTURE |
|-------|--------|--------|-----------|
| 0-30 | 1433 | 29.3 | 29.3 |
| 0-40 | 2309 | 47.2 | 47.2 |
| 0-60 | 3941 | 80.5 | 80.5 |
| 0-90 | 4893 | 100.0 | 100.0 |
| 0-180 | 4893 | 100.0 | 100.0 |

AVERAGE LUMINANCE

| ANGLE | CANDELA/SQ M | | | | |
|-------|--------------|------|------|------|------|
| | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 |
| 0 | 2727 | 2727 | 2727 | 2727 | 2727 |
| 30 | 2538 | 2535 | 2540 | 2538 | 2542 |
| 40 | 2387 | 2385 | 2396 | 2405 | 2419 |
| 45 | 2301 | 2299 | 2314 | 2328 | 2346 |
| 50 | 2215 | 2210 | 2228 | 2244 | 2260 |
| 55 | 2122 | 2117 | 2132 | 2134 | 2152 |
| 60 | 2023 | 2018 | 2026 | 2020 | 2038 |
| 65 | 1922 | 1918 | 1908 | 1894 | 1908 |
| 70 | 1825 | 1813 | 1792 | 1762 | 1779 |
| 75 | 1714 | 1686 | 1647 | 1603 | 1619 |
| 80 | 1581 | 1523 | 1465 | 1398 | 1415 |
| 85 | 1410 | 1244 | 1144 | 1028 | 1045 |

INDOOR CANDELA PLOT



0.0 ——— 45.0 ——— 90.0 ——— 190.0

COEFFICIENTS OF UTILIZATION (%)

EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%

ZONAL CAVITY METHOD

| RC | EFFECTIVE FLOOR CAVITY REFLECTANCE = 20% | | | | | | | | | | | | | | | | | | |
|----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 80% | | | | 70% | | | | 50% | | | | 30% | | | | | | |
| RW | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0% | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 100 |
| 1 | 109 | 104 | 100 | 96 | 106 | 102 | 98 | 95 | 98 | 95 | 92 | 94 | 91 | 89 | 90 | 88 | 86 | 84 | 84 |
| 2 | 99 | 91 | 85 | 79 | 97 | 89 | 83 | 78 | 86 | 81 | 76 | 83 | 78 | 74 | 80 | 76 | 73 | 71 | 71 |
| 3 | 91 | 80 | 72 | 66 | 88 | 79 | 71 | 65 | 76 | 69 | 64 | 73 | 68 | 63 | 71 | 66 | 62 | 60 | 60 |
| R | 4 | 83 | 71 | 63 | 81 | 70 | 62 | 56 | 68 | 61 | 55 | 65 | 59 | 54 | 63 | 58 | 54 | 51 | 51 |
| C | 5 | 77 | 64 | 55 | 49 | 75 | 63 | 55 | 48 | 61 | 53 | 48 | 59 | 52 | 47 | 57 | 51 | 47 | 45 |
| R | 6 | 71 | 58 | 49 | 43 | 69 | 57 | 48 | 42 | 55 | 48 | 42 | 53 | 47 | 42 | 52 | 46 | 41 | 39 |
| | 7 | 66 | 52 | 44 | 38 | 64 | 52 | 43 | 38 | 50 | 43 | 37 | 49 | 42 | 37 | 47 | 41 | 37 | 35 |
| | 8 | 61 | 48 | 40 | 34 | 60 | 47 | 39 | 34 | 46 | 39 | 33 | 45 | 38 | 33 | 44 | 38 | 33 | 31 |
| | 9 | 57 | 44 | 36 | 30 | 56 | 43 | 36 | 30 | 42 | 35 | 30 | 41 | 35 | 30 | 40 | 34 | 30 | 28 |
| | 10 | 54 | 41 | 33 | 28 | 53 | 40 | 33 | 28 | 39 | 32 | 27 | 38 | 32 | 27 | 37 | 31 | 27 | 25 |

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: _____

LUMINAIRE: VSY24-50MLHE-EDU
 Versify™ Architectural Edge Lit, Recessed Architectural
 2' x 4' Led with acrylic diffuser
 Data Scaled from Test# 19.01133

TEST #23388
 DATE: 6/14/2019

CANDELA VALUES

| ANGLE | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 |
|-------|-------|------|------|------|------|
| 0.0 | 1887* | 1887 | 1887 | 1887 | 1887 |
| 2.5 | 1882 | 1885 | 1885 | 1885 | 1881 |
| 5.0 | 1874 | 1876 | 1877 | 1876 | 1873 |
| 7.5 | 1862 | 1863 | 1863 | 1862 | 1860 |
| 10.0 | 1844 | 1845 | 1845 | 1843 | 1840 |
| 12.5 | 1820 | 1820 | 1820 | 1818 | 1816 |
| 15.0 | 1792 | 1792 | 1792 | 1788 | 1787 |
| 17.5 | 1758 | 1757 | 1757 | 1754 | 1752 |
| 20.0 | 1720 | 1720 | 1719 | 1716 | 1715 |
| 22.5 | 1677 | 1676 | 1677 | 1673 | 1673 |
| 25.0 | 1630 | 1628 | 1629 | 1626 | 1626 |
| 27.5 | 1577 | 1575 | 1577 | 1575 | 1576 |
| 30.0 | 1521 | 1519 | 1522 | 1521 | 1523 |
| 32.5 | 1461 | 1459 | 1463 | 1464 | 1468 |
| 35.0 | 1398 | 1396 | 1401 | 1403 | 1409 |
| 37.5 | 1333 | 1331 | 1336 | 1341 | 1348 |
| 40.0 | 1265 | 1264 | 1270 | 1275 | 1282 |
| 42.5 | 1196 | 1195 | 1201 | 1208 | 1216 |
| 45.0 | 1126 | 1125 | 1132 | 1139 | 1148 |
| 47.5 | 1057 | 1055 | 1063 | 1070 | 1078 |
| 50.0 | 985 | 983 | 991 | 998 | 1005 |
| 52.5 | 913 | 912 | 919 | 922 | 931 |
| 55.0 | 842 | 840 | 846 | 847 | 854 |
| 57.5 | 770 | 769 | 774 | 772 | 779 |
| 60.0 | 700 | 698 | 701 | 699 | 705 |
| 62.5 | 631 | 630 | 629 | 625 | 631 |
| 65.0 | 562 | 561 | 558 | 554 | 558 |
| 67.5 | 495 | 494 | 489 | 484 | 488 |
| 70.0 | 432 | 429 | 424 | 417 | 421 |
| 72.5 | 368 | 365 | 358 | 351 | 354 |
| 75.0 | 307 | 302 | 295 | 287 | 290 |
| 77.5 | 247 | 241 | 234 | 226 | 229 |
| 80.0 | 190 | 183 | 176 | 168 | 170 |
| 82.5 | 136 | 127 | 120 | 113 | 114 |
| 85.0 | 85 | 75 | 69 | 62 | 63 |
| 87.5 | 39 | 29 | 26 | 25 | 27 |
| 90.0 | 1 | 1 | 1 | 1 | 2 |

*MAXIMUM CANDELA VALUE