

LUMINAIRE: VSY12-35HLHE-EDU
 Versify™ Architectural Edge Lit, Recessed Architectural
 1' x 2' Led with acrylic diffuser
 Data Scaled from Test# 19.00995
BALLAST: XI040C110V054BST1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 3636
WATTS: 26.50
MOUNTING: Recessed
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.21 90° = 1.24
LUMINOUS OPENING IN FEET
 LENGTH: 1.91
 WIDTH: 0.87
 HEIGHT: 0.00

TEST #23438

DATE: 6/6/2019

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 137

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.71

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

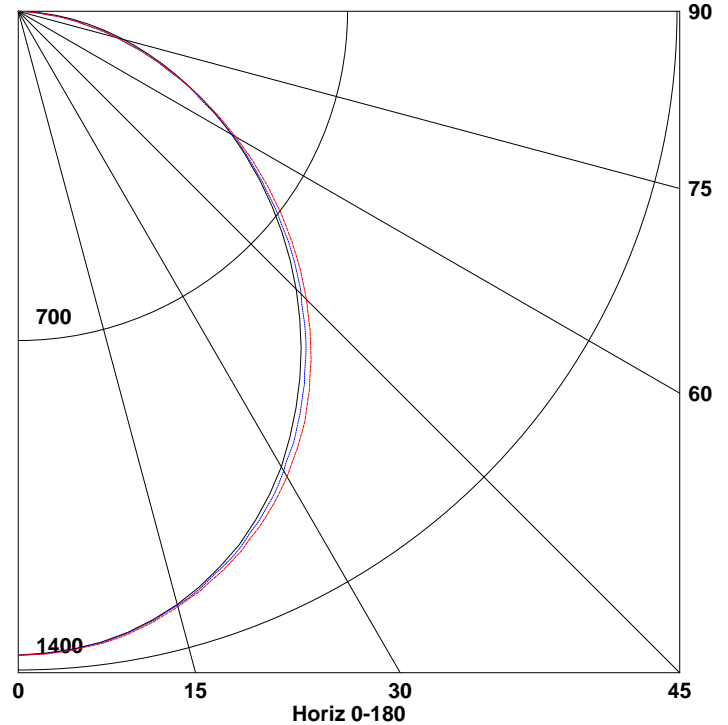
ZONAL LUMENS

| ZONE | LUMENS | % LAMP | % FIXTURE |
|-------|--------|--------|-----------|
| 0-30 | 1052 | 28.9 | 28.9 |
| 0-40 | 1705 | 46.9 | 46.9 |
| 0-60 | 2928 | 80.5 | 80.5 |
| 0-90 | 3636 | 100.0 | 100.0 |
| 0-180 | 3636 | 100.0 | 100.0 |

AVERAGE LUMINANCE

| ANGLE | CANDELA/SQ M | | | | |
|-------|--------------|------|------|------|------|
| | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 |
| 0 | 8861 | 8861 | 8861 | 8861 | 8861 |
| 30 | 8362 | 8370 | 8437 | 8497 | 8542 |
| 40 | 7906 | 7923 | 8042 | 8126 | 8185 |
| 45 | 7649 | 7668 | 7787 | 7869 | 7933 |
| 50 | 7377 | 7397 | 7498 | 7578 | 7639 |
| 55 | 7081 | 7092 | 7160 | 7228 | 7307 |
| 60 | 6776 | 6776 | 6802 | 6827 | 6918 |
| 65 | 6468 | 6422 | 6407 | 6407 | 6484 |
| 70 | 6136 | 6023 | 5985 | 5928 | 6023 |
| 75 | 5781 | 5581 | 5456 | 5331 | 5406 |
| 80 | 5372 | 4999 | 4775 | 4551 | 4626 |
| 85 | 4757 | 3939 | 3568 | 2973 | 3047 |

INDOOR CANDELA PLOT



0.0 ——— 45.0 ——— 90.0 ———

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 | 100 |
| 1 | 109 | 104 | 100 | 96 | 106 | 102 | 98 | 95 | 98 | 95 | 92 | 94 | 91 | 89 | 90 | 88 | 86 | 84 |
| 2 | 99 | 91 | 85 | 79 | 97 | 89 | 83 | 78 | 86 | 81 | 76 | 83 | 78 | 74 | 80 | 76 | 73 | 71 |
| 3 | 91 | 80 | 72 | 66 | 88 | 79 | 71 | 65 | 76 | 69 | 64 | 73 | 68 | 63 | 70 | 66 | 62 | 60 |
| R | 4 | 83 | 71 | 63 | 56 | 81 | 70 | 62 | 56 | 67 | 60 | 55 | 65 | 59 | 63 | 58 | 53 | 51 |
| C | 5 | 77 | 64 | 55 | 48 | 74 | 63 | 54 | 48 | 61 | 53 | 48 | 59 | 52 | 57 | 51 | 47 | 44 |
| R | 6 | 71 | 58 | 49 | 42 | 69 | 57 | 48 | 42 | 55 | 47 | 42 | 53 | 47 | 51 | 46 | 41 | 39 |
| | 7 | 66 | 52 | 44 | 38 | 64 | 51 | 43 | 37 | 50 | 43 | 37 | 48 | 42 | 47 | 41 | 37 | 35 |
| | 8 | 61 | 48 | 39 | 34 | 60 | 47 | 39 | 33 | 46 | 38 | 33 | 45 | 38 | 43 | 37 | 33 | 31 |
| | 9 | 57 | 44 | 36 | 30 | 56 | 43 | 35 | 30 | 42 | 35 | 30 | 41 | 35 | 40 | 34 | 30 | 28 |
| | 10 | 54 | 41 | 33 | 27 | 52 | 40 | 32 | 27 | 39 | 32 | 27 | 38 | 32 | 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: _____

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 1' x 2' Led with acrylic diffuser
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TEST #23438
 DATE: 6/6/2019

CANDELA VALUES

| ANGLE | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 |
|-------|-------|------|------|------|------|
| 0.0 | 1368* | 1368 | 1368 | 1368 | 1368 |
| 2.5 | 1365 | 1365 | 1366 | 1367 | 1367 |
| 5.0 | 1360 | 1360 | 1361 | 1362 | 1362 |
| 7.5 | 1352 | 1352 | 1353 | 1355 | 1355 |
| 10.0 | 1340 | 1340 | 1341 | 1343 | 1344 |
| 12.5 | 1324 | 1324 | 1326 | 1328 | 1329 |
| 15.0 | 1305 | 1304 | 1307 | 1309 | 1310 |
| 17.5 | 1282 | 1282 | 1286 | 1288 | 1290 |
| 20.0 | 1255 | 1256 | 1260 | 1264 | 1266 |
| 22.5 | 1227 | 1227 | 1233 | 1238 | 1240 |
| 25.0 | 1193 | 1194 | 1201 | 1207 | 1210 |
| 27.5 | 1157 | 1158 | 1167 | 1174 | 1178 |
| 30.0 | 1118 | 1119 | 1128 | 1136 | 1142 |
| 32.5 | 1074 | 1076 | 1088 | 1097 | 1103 |
| 35.0 | 1029 | 1032 | 1044 | 1055 | 1062 |
| 37.5 | 983 | 985 | 999 | 1010 | 1016 |
| 40.0 | 935 | 937 | 951 | 961 | 968 |
| 42.5 | 885 | 888 | 901 | 911 | 918 |
| 45.0 | 835 | 837 | 850 | 859 | 866 |
| 47.5 | 784 | 786 | 798 | 806 | 813 |
| 50.0 | 732 | 734 | 744 | 752 | 758 |
| 52.5 | 679 | 681 | 689 | 696 | 703 |
| 55.0 | 627 | 628 | 634 | 640 | 647 |
| 57.5 | 575 | 575 | 580 | 583 | 590 |
| 60.0 | 523 | 523 | 525 | 527 | 534 |
| 62.5 | 472 | 471 | 471 | 472 | 478 |
| 65.0 | 422 | 419 | 418 | 418 | 423 |
| 67.5 | 373 | 368 | 366 | 364 | 369 |
| 70.0 | 324 | 318 | 316 | 313 | 318 |
| 72.5 | 277 | 270 | 266 | 262 | 265 |
| 75.0 | 231 | 223 | 218 | 213 | 216 |
| 77.5 | 187 | 177 | 172 | 166 | 170 |
| 80.0 | 144 | 134 | 128 | 122 | 124 |
| 82.5 | 102 | 92 | 87 | 80 | 82 |
| 85.0 | 64 | 53 | 48 | 40 | 41 |
| 87.5 | 28 | 19 | 16 | 13 | 14 |
| 90.0 | 1 | 0 | 0 | 0 | 0 |

*MAXIMUM CANDELA VALUE