



Filename: 201A48LS32W3450LDMV40K

Manufacturer: SAYLITE-TEXAS FLUORESCENTS REINVENTED

Lamp: LED Module

Lamp Output: Total luminaire Lumens: 3994.4

Max Candela: 1,584.6 at Horizontal: 130°, Vertical: 6°

Input Wattage: 32.4

Luminous Opening: Rectangle w/Luminous Sides (L: 48.03", W: 5.91", H: 4.72")

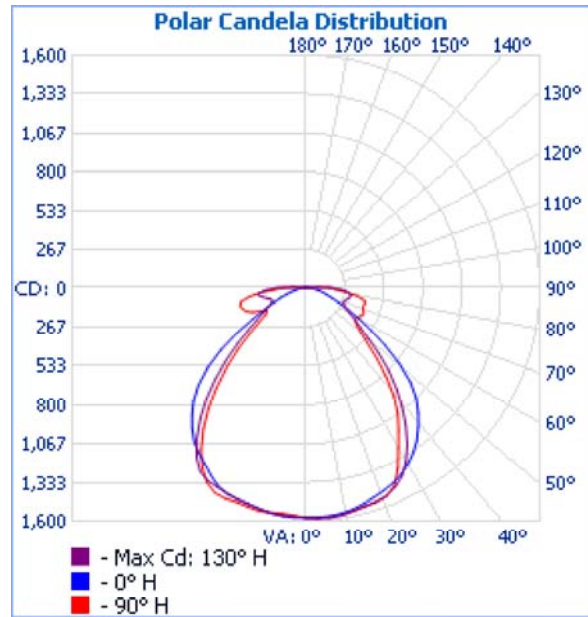
Test: 201A48LS32W3450LDMV40K

Test Date: 27-Jun-2018 09:32:27

Test Lab: Radiant Vision Systems ProSource

Photometry : Type C

Nema Type: 7 X 7



Roadway Summary

| | | |
|------------------------|---------|--------|
| Cutoff Classification: | N/A | |
| Distribution: | Type VS | |
| Max Cd, 90 Deg Vert: | 207.1 | |
| Max Cd, 80 to <90 Deg: | 401.3 | |
| | Lumens | % Lamp |
| Downward Street Side: | 1,979.6 | 49.6% |
| Downward House Side: | 1,974.4 | 49.4% |
| Downward Total: | 3,954.0 | 99% |
| Upward Street Side: | 20.0 | 0.5% |
| Upward House Side: | 21.4 | 0.5% |
| Upward Total: | 41.4 | 1% |
| Total Lumens: | 3,995.3 | 100% |

Flood Summary

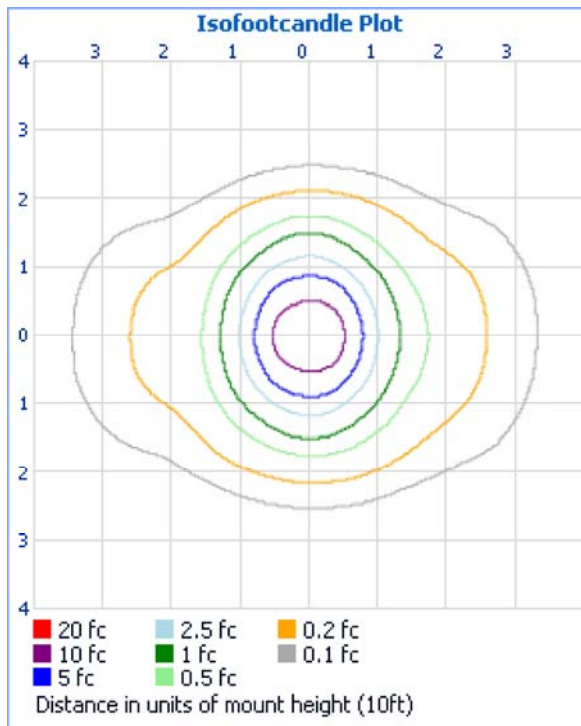
| | Efficiency | Lumens | Horizontal Spread | Vertical Spread |
|--------------|------------|---------|-------------------|-----------------|
| Field (10%): | 97.3% | 3,885.3 | 179.5 | 141.4 |
| Beam (50%): | 64.3% | 2,570.2 | 87.2 | 103 |
| Total: | 100% | 3,994.6 | | |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|---------|-------------|
| 0-30 | 1,263.2 | 31.6% |
| 0-40 | 2,043.7 | 51.2% |
| 0-60 | 3,165.5 | 79.2% |
| 60-90 | 787.6 | 19.7% |
| 70-100 | 520.8 | 13% |
| 90-120 | 41.4 | 1% |
| 0-90 | 3,953.1 | 99% |
| 90-180 | 41.4 | 1% |
| 0-180 | 3,994.4 | 100% |

Lumens Per Zone

| Zone | Lumens | % Total | Zone | Lumens | % Total |
|-------|--------|---------|---------|--------|---------|
| 0-10 | 149.5 | 3.7% | 90-100 | 41.3 | 1% |
| 10-20 | 436.9 | 10.9% | 100-110 | 0.1 | 0% |
| 20-30 | 676.8 | 16.9% | 110-120 | 0 | 0% |
| 30-40 | 780.5 | 19.5% | 120-130 | 0 | 0% |
| 40-50 | 680.7 | 17.0% | 130-140 | 0 | 0% |
| 50-60 | 441.1 | 11.0% | 140-150 | 0 | 0% |
| 60-70 | 308.1 | 7.7% | 150-160 | 0 | 0% |
| 70-80 | 277.2 | 6.9% | 160-170 | 0 | 0% |
| 80-90 | 202.3 | 5.1% | 170-180 | 0 | 0% |



| | Center Beam fc | Beam Width | |
|--------|----------------|------------|---------|
| 1.7ft | 545 fc | 4.3 ft | 3.2 ft |
| 3.3ft | 145 fc | 8.3 ft | 6.3 ft |
| 5.0ft | 63.0 fc | 12.6 ft | 9.5 ft |
| 6.7ft | 35.1 fc | 16.8 ft | 12.8 ft |
| 8.3ft | 22.9 fc | 20.9 ft | 15.8 ft |
| 10.0ft | 15.8 fc | 25.1 ft | 19.0 ft |

■ Vert. Spread: 103.0°
■ Horiz. Spread: 87.2°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

| RCC %: | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 | | | |
|--------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| RW %: | 70 | 50 | 30 | 0 | 70 | 50 | 30 | 0 | 50 | 30 | 20 | 0 | 50 | 30 | 20 | 0 | 50 | 30 | 20 | 0 | 50 | 30 | 20 | 0 |
| RCR: 0 | 1.19 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | .99 | 1.11 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.06 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | .99 |
| 1 | 1.08 | 1.03 | .98 | .94 | 1.05 | 1.00 | .96 | .83 | .96 | .93 | .90 | .90 | .92 | .89 | .87 | .87 | .88 | .86 | .84 | .84 | .82 | .82 | .82 | .82 |
| 2 | .99 | .90 | .84 | .78 | .96 | .88 | .82 | .70 | .85 | .80 | .75 | .75 | .81 | .77 | .73 | .73 | .78 | .75 | .71 | .71 | .69 | .69 | .69 | .69 |
| 3 | .91 | .80 | .72 | .66 | .88 | .79 | .71 | .61 | .76 | .69 | .64 | .64 | .73 | .67 | .63 | .63 | .70 | .65 | .62 | .62 | .59 | .59 | .59 | .59 |
| 4 | .84 | .72 | .63 | .57 | .81 | .71 | .63 | .53 | .68 | .61 | .56 | .56 | .65 | .60 | .55 | .55 | .63 | .58 | .54 | .54 | .52 | .52 | .52 | .52 |
| 5 | .77 | .65 | .56 | .50 | .75 | .64 | .56 | .47 | .61 | .54 | .49 | .49 | .59 | .53 | .48 | .48 | .57 | .52 | .48 | .48 | .45 | .45 | .45 | .45 |
| 6 | .72 | .59 | .50 | .44 | .70 | .58 | .50 | .42 | .56 | .49 | .43 | .43 | .54 | .48 | .43 | .43 | .53 | .47 | .42 | .42 | .40 | .40 | .40 | .40 |
| 7 | .67 | .54 | .45 | .39 | .65 | .53 | .45 | .38 | .51 | .44 | .39 | .39 | .50 | .43 | .38 | .38 | .48 | .42 | .38 | .38 | .36 | .36 | .36 | .36 |
| 8 | .62 | .49 | .41 | .35 | .61 | .49 | .41 | .34 | .47 | .40 | .35 | .35 | .46 | .39 | .35 | .35 | .45 | .39 | .34 | .34 | .33 | .33 | .33 | .33 |
| 9 | .58 | .45 | .37 | .32 | .57 | .45 | .37 | .31 | .44 | .37 | .32 | .32 | .42 | .36 | .31 | .31 | .41 | .36 | .31 | .31 | .29 | .29 | .29 | .29 |
| 10 | .55 | .42 | .34 | .29 | .54 | .41 | .34 | .29 | .40 | .34 | .29 | .29 | .39 | .33 | .29 | .29 | .38 | .33 | .29 | .29 | .27 | .27 | .27 | .27 |

Candela Table - Type C

| | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 |
|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 1576 | 1576 | 1576 | 1576 | 1576 | 1576 | 1576 | 1576 | 1576 | 1576 | 1576 | 1576 | 1576 | 1576 | 1576 | 1576 | 1576 | 1576 | 1576 | 1576 | 1576 | 1576 |
| 3 | 1575 | 1576 | 1576 | 1577 | 1577 | 1577 | 1578 | 1578 | 1579 | 1579 | 1580 | 1581 | 1581 | 1582 | 1581 | 1580 | 1579 | 1578 | 1576 | 1574 | 1572 | 1570 |
| 6 | 1573 | 1573 | 1573 | 1574 | 1574 | 1574 | 1574 | 1575 | 1575 | 1577 | 1579 | 1581 | 1583 | 1585 | 1584 | 1583 | 1579 | 1575 | 1572 | 1570 | 1568 | 1566 |
| 9 | 1565 | 1565 | 1568 | 1569 | 1569 | 1568 | 1569 | 1570 | 1571 | 1572 | 1572 | 1573 | 1575 | 1578 | 1578 | 1574 | 1570 | 1563 | 1561 | 1560 | 1561 | 1561 |
| 12 | 1551 | 1555 | 1559 | 1559 | 1557 | 1555 | 1557 | 1561 | 1564 | 1564 | 1562 | 1559 | 1559 | 1561 | 1563 | 1559 | 1553 | 1549 | 1546 | 1547 | 1549 | 1550 |
| 15 | 1530 | 1539 | 1547 | 1544 | 1536 | 1537 | 1543 | 1548 | 1550 | 1552 | 1553 | 1552 | 1550 | 1549 | 1546 | 1544 | 1542 | 1538 | 1534 | 1530 | 1533 | 1534 |
| 18 | 1507 | 1523 | 1529 | 1525 | 1520 | 1528 | 1537 | 1538 | 1538 | 1541 | 1547 | 1553 | 1553 | 1544 | 1532 | 1529 | 1530 | 1530 | 1523 | 1515 | 1511 | 1518 |
| 21 | 1486 | 1500 | 1504 | 1504 | 1513 | 1527 | 1531 | 1528 | 1527 | 1529 | 1534 | 1542 | 1544 | 1530 | 1511 | 1503 | 1507 | 1514 | 1510 | 1496 | 1487 | 1497 |
| 24 | 1463 | 1469 | 1467 | 1472 | 1502 | 1514 | 1502 | 1493 | 1489 | 1485 | 1487 | 1499 | 1506 | 1497 | 1481 | 1465 | 1470 | 1482 | 1484 | 1468 | 1452 | 1456 |
| 27 | 1432 | 1431 | 1428 | 1446 | 1479 | 1471 | 1440 | 1413 | 1396 | 1384 | 1395 | 1411 | 1437 | 1445 | 1453 | 1437 | 1427 | 1437 | 1438 | 1427 | 1408 | 1416 |
| 30 | 1392 | 1389 | 1395 | 1417 | 1421 | 1383 | 1339 | 1308 | 1281 | 1263 | 1285 | 1299 | 1332 | 1368 | 1409 | 1412 | 1389 | 1385 | 1388 | 1378 | 1369 | 1388 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| 33 | 1345 | 1346 | 1357 | 1366 | 1332 | 1273 | 1219 | 1192 | 1173 | 1163 | 1179 | 1179 | 1215 | 1270 | 1342 | 1375 | 1346 | 1332 | 1346 | 1327 | 1328 | 1364 | 1 |
| 36 | 1288 | 1296 | 1298 | 1288 | 1216 | 1166 | 1113 | 1088 | 1068 | 1069 | 1071 | 1080 | 1111 | 1161 | 1239 | 1313 | 1289 | 1271 | 1302 | 1266 | 1278 | 1324 | 1 |
| 39 | 1221 | 1229 | 1226 | 1175 | 1096 | 1058 | 1009 | 984 | 954 | 956 | 953 | 980 | 1004 | 1043 | 1113 | 1203 | 1226 | 1205 | 1240 | 1197 | 1228 | 1242 | 1 |
| 42 | 1146 | 1147 | 1131 | 1058 | 983 | 942 | 896 | 849 | 823 | 826 | 817 | 846 | 891 | 926 | 990 | 1072 | 1138 | 1130 | 1166 | 1123 | 1161 | 1136 | 1 |
| 45 | 1066 | 1053 | 1011 | 930 | 857 | 818 | 758 | 710 | 685 | 687 | 680 | 710 | 755 | 803 | 863 | 927 | 1020 | 1044 | 1088 | 1040 | 1058 | 1006 | |
| 48 | 962 | 940 | 882 | 797 | 724 | 686 | 626 | 593 | 563 | 564 | 561 | 593 | 619 | 668 | 730 | 787 | 886 | 941 | 993 | 941 | 927 | 866 | |
| 51 | 820 | 811 | 735 | 667 | 605 | 562 | 522 | 497 | 481 | 480 | 479 | 494 | 514 | 549 | 600 | 660 | 728 | 819 | 869 | 826 | 765 | 722 | |
| 54 | 666 | 661 | 613 | 537 | 508 | 466 | 441 | 430 | 425 | 429 | 424 | 426 | 438 | 462 | 491 | 530 | 598 | 676 | 721 | 691 | 625 | 547 | |
| 57 | 533 | 521 | 492 | 447 | 440 | 404 | 391 | 390 | 395 | 401 | 395 | 385 | 388 | 400 | 418 | 437 | 472 | 536 | 564 | 549 | 481 | 449 | |
| 60 | 419 | 407 | 402 | 375 | 378 | 363 | 354 | 378 | 386 | 398 | 384 | 377 | 347 | 347 | 360 | 358 | 378 | 413 | 423 | 414 | 371 | 357 | |
| 63 | 321 | 319 | 325 | 316 | 323 | 328 | 336 | 381 | 400 | 419 | 399 | 389 | 329 | 309 | 307 | 299 | 314 | 316 | 316 | 309 | 301 | 291 | |
| 66 | 242 | 244 | 255 | 266 | 280 | 300 | 339 | 387 | 419 | 432 | 418 | 398 | 334 | 285 | 267 | 255 | 248 | 239 | 239 | 232 | 233 | 239 | |
| 69 | 183 | 187 | 202 | 216 | 245 | 284 | 353 | 392 | 418 | 420 | 422 | 398 | 349 | 274 | 235 | 211 | 196 | 179 | 179 | 176 | 183 | 188 | |
| 72 | 145 | 148 | 162 | 179 | 219 | 282 | 356 | 395 | 407 | 407 | 415 | 399 | 359 | 279 | 215 | 176 | 157 | 134 | 135 | 134 | 144 | 156 | |
| 75 | 117 | 116 | 130 | 151 | 200 | 292 | 352 | 396 | 408 | 416 | 414 | 404 | 363 | 295 | 207 | 150 | 124 | 102 | 103 | 103 | 111 | 134 | |
| 78 | 93 | 88 | 105 | 132 | 201 | 299 | 351 | 380 | 401 | 407 | 402 | 391 | 359 | 309 | 215 | 136 | 100 | 80 | 79 | 80 | 89 | 123 | |
| 81 | 73 | 68 | 89 | 120 | 206 | 296 | 343 | 352 | 356 | 351 | 351 | 353 | 341 | 308 | 220 | 126 | 81 | 58 | 58 | 55 | 73 | 119 | |
| 84 | 49 | 49 | 67 | 112 | 206 | 279 | 307 | 287 | 275 | 269 | 281 | 283 | 300 | 290 | 219 | 125 | 60 | 40 | 40 | 38 | 58 | 122 | |
| 87 | 25 | 29 | 47 | 107 | 197 | 241 | 233 | 205 | 195 | 201 | 198 | 201 | 224 | 243 | 210 | 121 | 48 | 23 | 19 | 19 | 46 | 119 | |
| 90 | 4 | 10 | 32 | 107 | 182 | 186 | 152 | 148 | 144 | 157 | 148 | 141 | 151 | 175 | 177 | 118 | 35 | 6 | 2 | 5 | 37 | 121 | |
| 93 | 0 | 2 | 19 | 69 | 79 | 70 | 60 | 60 | 47 | 51 | 52 | 66 | 65 | 85 | 93 | 89 | 30 | 3 | 0 | 3 | 31 | 101 | |
| 96 | 0 | 0 | 1 | 4 | 7 | 4 | 4 | 6 | 5 | 3 | 6 | 7 | 6 | 11 | 13 | 10 | 4 | 1 | 0 | 1 | 4 | 14 | |
| 99 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| 102 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 105 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 117 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 123 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 126 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 129 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 132 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 135 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 138 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 141 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 144 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 147 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 153 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 156 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 159 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 162 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 165 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 168 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 171 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 174 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 177 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

