



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EG3-4-LED-06L-SA-PG-35-80.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12860
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 07/22/2021
[TEST DATE] 06/29/21
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] EG3-4-LED-06L-SA-PG-35-80
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor
[SEARCH_COLORTEMP] 3500

CHARACTERISTICS

| | |
|---------------------------------|---------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 6277 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 131 |
| Total Luminaire Watts | 48 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.30 |
| Spacing Criterion (90-270) | 1.66 |
| Spacing Criterion (Diagonal) | 1.64 |
| Basic Luminous Shape | Rectangular w/Sides |
| Luminous Length (0-180) | 4.00 ft |
| Luminous Width (90-270) | 0.40 ft |
| Luminous Height | 0.17 ft |



LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 8077 | 8695 | 10123 |
| 55 | 7356 | 9079 | 11691 |
| 65 | 6586 | 9520 | 12403 |
| 75 | 5644 | 9435 | 10830 |
| 85 | 3871 | 7762 | 7385 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EG3-4-LED-06L-SA-PG-35-80.IES

CANDELA TABULATION

| | <u>0</u> | <u>5</u> | <u>15</u> | <u>25</u> | <u>35</u> | <u>45</u> | <u>55</u> | <u>65</u> | <u>75</u> | <u>85</u> |
|--------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 0.0 | 1342 | 1342 | 1342 | 1342 | 1342 | 1342 | 1342 | 1342 | 1342 | 1342 |
| 2.5 | 1377 | 1372 | 1355 | 1355 | 1353 | 1343 | 1337 | 1333 | 1329 | 1323 |
| 5.0 | 1377 | 1373 | 1355 | 1355 | 1353 | 1344 | 1338 | 1335 | 1330 | 1324 |
| 7.5 | 1373 | 1368 | 1351 | 1353 | 1351 | 1343 | 1338 | 1335 | 1332 | 1327 |
| 10.0 | 1366 | 1362 | 1344 | 1347 | 1346 | 1340 | 1337 | 1336 | 1334 | 1329 |
| 12.5 | 1355 | 1351 | 1335 | 1338 | 1341 | 1336 | 1336 | 1337 | 1337 | 1333 |
| 15.0 | 1339 | 1336 | 1322 | 1327 | 1332 | 1331 | 1334 | 1339 | 1341 | 1339 |
| 17.5 | 1320 | 1317 | 1305 | 1314 | 1322 | 1326 | 1332 | 1341 | 1346 | 1345 |
| 20.0 | 1299 | 1296 | 1286 | 1297 | 1311 | 1319 | 1331 | 1345 | 1354 | 1354 |
| 22.5 | 1274 | 1270 | 1264 | 1280 | 1298 | 1312 | 1331 | 1350 | 1363 | 1364 |
| 25.0 | 1244 | 1241 | 1237 | 1259 | 1283 | 1305 | 1330 | 1355 | 1371 | 1374 |
| 27.5 | 1211 | 1209 | 1208 | 1235 | 1268 | 1297 | 1330 | 1361 | 1380 | 1386 |
| 30.0 | 1174 | 1172 | 1176 | 1209 | 1250 | 1288 | 1329 | 1367 | 1390 | 1398 |
| 32.5 | 1133 | 1132 | 1140 | 1178 | 1229 | 1278 | 1328 | 1372 | 1401 | 1410 |
| 35.0 | 1090 | 1090 | 1102 | 1148 | 1208 | 1267 | 1327 | 1379 | 1412 | 1425 |
| 37.5 | 1043 | 1044 | 1061 | 1114 | 1183 | 1254 | 1325 | 1386 | 1426 | 1441 |
| 40.0 | 994 | 994 | 1016 | 1079 | 1158 | 1240 | 1323 | 1393 | 1441 | 1460 |
| 42.5 | 940 | 943 | 971 | 1042 | 1130 | 1226 | 1320 | 1402 | 1458 | 1481 |
| 45.0 | 885 | 890 | 924 | 1003 | 1102 | 1210 | 1318 | 1413 | 1477 | 1505 |
| 47.5 | 830 | 834 | 875 | 961 | 1071 | 1192 | 1315 | 1422 | 1497 | 1529 |
| 50.0 | 775 | 780 | 824 | 919 | 1038 | 1174 | 1311 | 1431 | 1517 | 1554 |
| 52.5 | 720 | 725 | 772 | 875 | 1003 | 1153 | 1306 | 1438 | 1532 | 1573 |
| 55.0 | 665 | 671 | 722 | 829 | 968 | 1132 | 1299 | 1440 | 1540 | 1584 |
| 57.5 | 610 | 616 | 671 | 779 | 930 | 1108 | 1286 | 1434 | 1537 | 1582 |
| 60.0 | 556 | 563 | 618 | 731 | 891 | 1081 | 1266 | 1418 | 1520 | 1563 |
| 62.5 | 503 | 508 | 567 | 684 | 851 | 1049 | 1239 | 1391 | 1486 | 1527 |
| 65.0 | 451 | 456 | 517 | 637 | 810 | 1013 | 1202 | 1349 | 1435 | 1471 |
| 67.5 | 396 | 405 | 469 | 590 | 769 | 972 | 1154 | 1286 | 1366 | 1394 |
| 70.0 | 347 | 355 | 420 | 545 | 724 | 924 | 1094 | 1212 | 1279 | 1300 |
| 72.5 | 299 | 307 | 371 | 500 | 675 | 865 | 1022 | 1123 | 1170 | 1190 |
| 75.0 | 251 | 260 | 324 | 454 | 625 | 801 | 938 | 1020 | 1053 | 1068 |
| 77.5 | 204 | 213 | 280 | 406 | 570 | 728 | 844 | 905 | 928 | 928 |
| 80.0 | 159 | 168 | 237 | 360 | 510 | 648 | 741 | 786 | 799 | 794 |
| 82.5 | 117 | 126 | 196 | 314 | 447 | 558 | 635 | 668 | 668 | 668 |
| 85.0 | 74 | 86 | 158 | 267 | 381 | 472 | 527 | 554 | 551 | 550 |
| 87.5 | 43 | 55 | 123 | 221 | 318 | 391 | 430 | 441 | 447 | 446 |
| 90.0 | 25 | 34 | 91 | 177 | 258 | 314 | 343 | 352 | 357 | 355 |
| 92.5 | 22 | 24 | 65 | 137 | 202 | 248 | 272 | 279 | 279 | 280 |
| 95.0 | 21 | 20 | 45 | 103 | 155 | 194 | 213 | 220 | 221 | 219 |
| 97.5 | 19 | 18 | 30 | 73 | 118 | 149 | 167 | 173 | 174 | 171 |
| 100.0 | 17 | 16 | 20 | 50 | 88 | 115 | 130 | 136 | 138 | 136 |
| 102.5 | 16 | 15 | 14 | 33 | 63 | 86 | 101 | 108 | 108 | 109 |
| 105.0 | 15 | 14 | 10 | 22 | 44 | 64 | 78 | 86 | 87 | 88 |
| 107.5 | 13 | 12 | 9 | 14 | 29 | 46 | 59 | 65 | 69 | 70 |
| 110.0 | 12 | 11 | 8 | 9 | 20 | 32 | 43 | 50 | 54 | 56 |
| 112.5 | 10 | 9 | 6 | 5 | 13 | 23 | 31 | 37 | 41 | 43 |
| 115.0 | 9 | 8 | 6 | 4 | 8 | 16 | 23 | 28 | 32 | 33 |
| 117.5 | 8 | 7 | 5 | 4 | 5 | 11 | 17 | 22 | 25 | 26 |
| 120.0 | 7 | 6 | 5 | 3 | 2 | 7 | 12 | 16 | 19 | 20 |
| 122.5 | 5 | 5 | 4 | 2 | 2 | 4 | 8 | 12 | 14 | 15 |
| 125.0 | 4 | 4 | 3 | 2 | 1 | 2 | 5 | 8 | 10 | 11 |
| 127.5 | 4 | 4 | 3 | 2 | 1 | 1 | 2 | 5 | 7 | 8 |
| 130.0 | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 2 | 4 | 5 |
| 132.5 | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 1 | 2 | 3 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EG3-4-LED-06L-SA-PG-35-80.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|
| 135.0 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 |
| 137.5 | 2 | 2 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 140.0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 142.5 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 145.0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 147.5 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| 150.0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 152.5 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 155.0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 157.5 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 160.0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 162.5 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 165.0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 167.5 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 170.0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 172.5 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 175.0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 177.5 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 180.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

Vert. Horizontal Angles
Angles

| | <u>90</u> |
|------|-----------|
| 0.0 | 1342 |
| 2.5 | 1320 |
| 5.0 | 1321 |
| 7.5 | 1324 |
| 10.0 | 1326 |
| 12.5 | 1331 |
| 15.0 | 1336 |
| 17.5 | 1342 |
| 20.0 | 1352 |
| 22.5 | 1362 |
| 25.0 | 1373 |
| 27.5 | 1384 |
| 30.0 | 1397 |
| 32.5 | 1410 |
| 35.0 | 1425 |
| 37.5 | 1441 |
| 40.0 | 1460 |
| 42.5 | 1482 |
| 45.0 | 1507 |
| 47.5 | 1532 |
| 50.0 | 1556 |
| 52.5 | 1576 |
| 55.0 | 1589 |
| 57.5 | 1587 |
| 60.0 | 1568 |
| 62.5 | 1531 |
| 65.0 | 1474 |
| 67.5 | 1397 |
| 70.0 | 1303 |
| 72.5 | 1192 |
| 75.0 | 1063 |
| 77.5 | 926 |
| 80.0 | 795 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EG3-4-LED-06L-SA-PG-35-80.IES

CANDELA TABULATION - (Cont.)

| | |
|-------|-----|
| 82.5 | 669 |
| 85.0 | 550 |
| 87.5 | 446 |
| 90.0 | 355 |
| 92.5 | 282 |
| 95.0 | 220 |
| 97.5 | 171 |
| 100.0 | 136 |
| 102.5 | 109 |
| 105.0 | 88 |
| 107.5 | 71 |
| 110.0 | 56 |
| 112.5 | 44 |
| 115.0 | 33 |
| 117.5 | 26 |
| 120.0 | 20 |
| 122.5 | 15 |
| 125.0 | 11 |
| 127.5 | 8 |
| 130.0 | 5 |
| 132.5 | 3 |
| 135.0 | 1 |
| 137.5 | 0 |
| 140.0 | 0 |
| 142.5 | 0 |
| 145.0 | 0 |
| 147.5 | 0 |
| 150.0 | 0 |
| 152.5 | 0 |
| 155.0 | 0 |
| 157.5 | 0 |
| 160.0 | 0 |
| 162.5 | 0 |
| 165.0 | 0 |
| 167.5 | 0 |
| 170.0 | 0 |
| 172.5 | 0 |
| 175.0 | 0 |
| 177.5 | 0 |
| 180.0 | 1 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EG3-4-LED-06L-SA-PG-35-80.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 505.77 | N.A. | 8.10 |
| 0-30 | 1109.57 | N.A. | 17.70 |
| 0-40 | 1901.18 | N.A. | 30.30 |
| 0-60 | 3843.8 | N.A. | 61.20 |
| 0-80 | 5580.15 | N.A. | 88.90 |
| 0-90 | 6014.65 | N.A. | 95.80 |
| 10-90 | 5886.37 | N.A. | 93.80 |
| 20-40 | 1395.41 | N.A. | 22.20 |
| 20-50 | 2327.00 | N.A. | 37.10 |
| 40-70 | 2915.94 | N.A. | 46.50 |
| 60-80 | 1736.35 | N.A. | 27.70 |
| 70-80 | 763.03 | N.A. | 12.20 |
| 80-90 | 434.50 | N.A. | 6.90 |
| 90-110 | 236.87 | N.A. | 3.80 |
| 90-120 | 255.63 | N.A. | 4.10 |
| 90-130 | 260.66 | N.A. | 4.20 |
| 90-150 | 261.83 | N.A. | 4.20 |
| 90-180 | 262.22 | N.A. | 4.20 |
| 110-180 | 25.35 | N.A. | 0.40 |
| 0-180 | 6276.88 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 128.28 |
| 10-20 | 377.48 |
| 20-30 | 603.80 |
| 30-40 | 791.61 |
| 40-50 | 931.59 |
| 50-60 | 1011.03 |
| 60-70 | 973.32 |
| 70-80 | 763.03 |
| 80-90 | 434.50 |
| 90-100 | 176.10 |
| 100-110 | 60.77 |
| 110-120 | 18.76 |
| 120-130 | 5.03 |
| 130-140 | 0.80 |
| 140-150 | 0.37 |
| 150-160 | 0.22 |
| 160-170 | 0.12 |
| 170-180 | 0.05 |

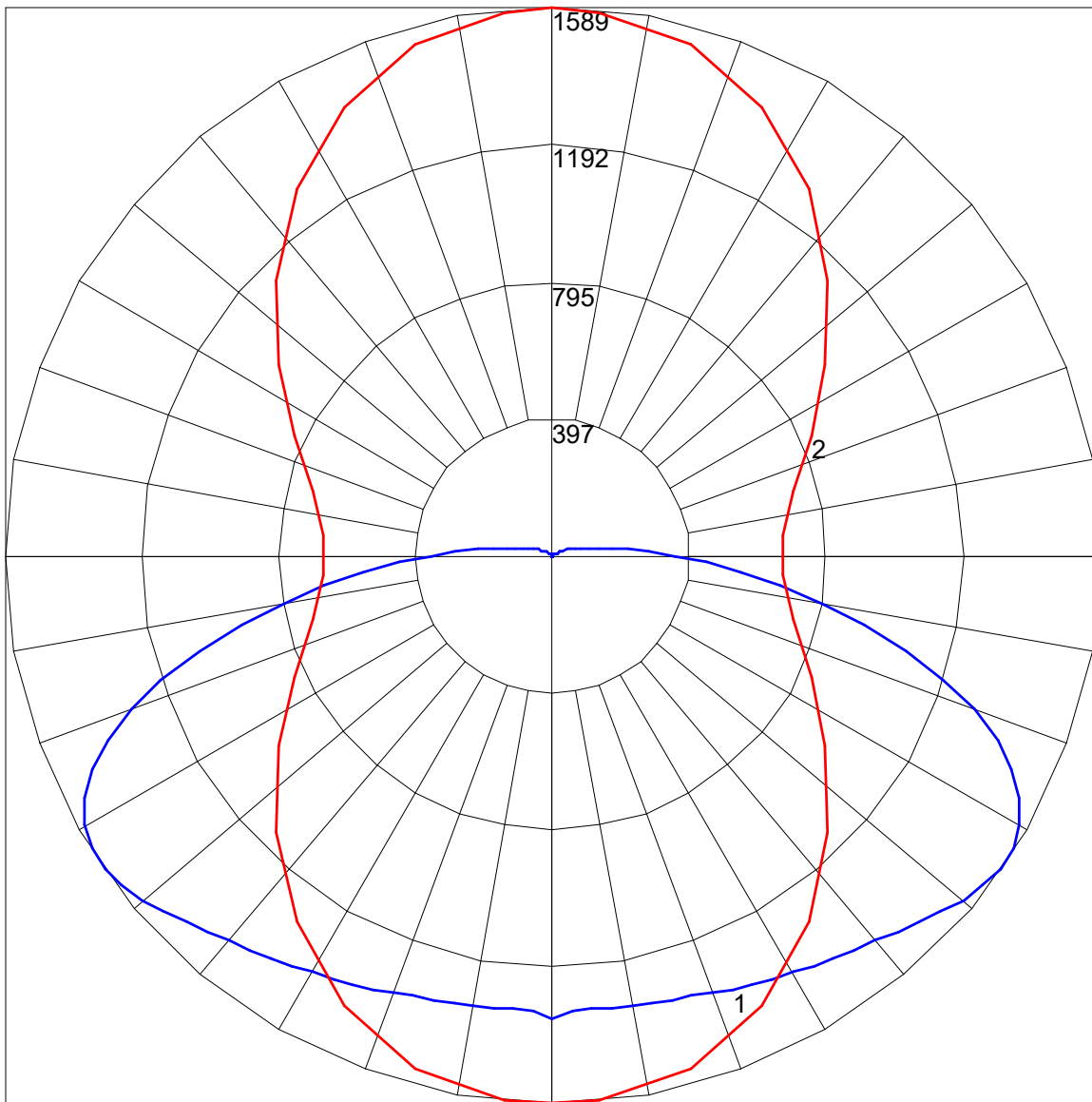
IES INDOOR REPORT
PHOTOMETRIC FILENAME : EG3-4-LED-06L-SA-PG-35-80.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 118 | 118 | 118 | 118 | 115 | 115 | 115 | 115 | 109 | 109 | 109 | 103 | 103 | 103 | 98 | 98 | 98 | 96 |
| 1 | 104 | 98 | 92 | 87 | 101 | 95 | 90 | 86 | 90 | 86 | 82 | 85 | 82 | 79 | 81 | 78 | 76 | 73 |
| 2 | 93 | 83 | 75 | 68 | 90 | 81 | 73 | 67 | 76 | 70 | 64 | 72 | 67 | 62 | 68 | 64 | 60 | 57 |
| 3 | 84 | 71 | 62 | 54 | 81 | 69 | 61 | 53 | 66 | 58 | 52 | 62 | 56 | 50 | 59 | 54 | 49 | 46 |
| 4 | 76 | 62 | 52 | 45 | 73 | 61 | 51 | 44 | 57 | 49 | 43 | 54 | 47 | 42 | 52 | 46 | 41 | 38 |
| 5 | 69 | 55 | 45 | 37 | 67 | 54 | 44 | 37 | 51 | 43 | 36 | 48 | 41 | 35 | 46 | 40 | 35 | 32 |
| 6 | 64 | 49 | 39 | 32 | 61 | 48 | 38 | 32 | 45 | 37 | 31 | 43 | 36 | 30 | 41 | 35 | 30 | 27 |
| 7 | 59 | 44 | 35 | 28 | 57 | 43 | 34 | 28 | 41 | 33 | 27 | 39 | 32 | 26 | 37 | 31 | 26 | 24 |
| 8 | 55 | 40 | 31 | 24 | 53 | 39 | 30 | 24 | 37 | 29 | 24 | 36 | 29 | 23 | 34 | 28 | 23 | 21 |
| 9 | 51 | 36 | 28 | 22 | 49 | 36 | 27 | 22 | 34 | 27 | 21 | 33 | 26 | 21 | 31 | 25 | 20 | 18 |
| 10 | 48 | 34 | 25 | 19 | 46 | 33 | 25 | 19 | 31 | 24 | 19 | 30 | 24 | 19 | 29 | 23 | 18 | 17 |

POLAR GRAPH



Maximum Candela = 1589 Located At Horizontal Angle = 90, Vertical Angle = 55
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (55) (Through Max. Cd.)