



IES INDOOR REPORT
PHOTOMETRIC FILENAME : EGA-5L-RA-840.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12362
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 03/11/21
[TESTDATE] 12/02/20
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] EGA-5L-RA-840
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor
[SEARCH_COLORTEMP] 4000

CHARACTERISTICS

| | |
|---------------------------------|---------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 4735 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 132 |
| Total Luminaire Watts | 36 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.30 |
| Spacing Criterion (90-270) | 1.22 |
| Spacing Criterion (Diagonal) | 1.42 |
| Basic Luminous Shape | Rectangular w/Sides |
| Luminous Length (0-180) | 4.00 ft |
| Luminous Width (90-270) | 0.58 ft |
| Luminous Height | 0.25 ft |



LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 5602 | 4704 | 5158 |
| 55 | 4815 | 4714 | 4832 |
| 65 | 3840 | 4209 | 4087 |
| 75 | 2890 | 3461 | 3268 |
| 85 | 1737 | 2772 | 2522 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EGA-5L-RA-840.IES

CANDELA TABULATION

| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
|-------|------------|-------------|-------------|-------------|-------------|
| 0.0 | 1390 | 1390 | 1390 | 1390 | 1390 |
| 2.5 | 1431 | 1404 | 1391 | 1379 | 1365 |
| 5.0 | 1431 | 1402 | 1386 | 1370 | 1355 |
| 7.5 | 1427 | 1396 | 1371 | 1347 | 1328 |
| 10.0 | 1420 | 1385 | 1347 | 1313 | 1291 |
| 12.5 | 1409 | 1367 | 1315 | 1269 | 1244 |
| 15.0 | 1396 | 1346 | 1276 | 1222 | 1194 |
| 17.5 | 1378 | 1319 | 1235 | 1177 | 1149 |
| 20.0 | 1356 | 1288 | 1192 | 1138 | 1117 |
| 22.5 | 1331 | 1252 | 1149 | 1109 | 1098 |
| 25.0 | 1300 | 1212 | 1111 | 1093 | 1093 |
| 27.5 | 1266 | 1170 | 1078 | 1089 | 1098 |
| 30.0 | 1226 | 1124 | 1051 | 1091 | 1108 |
| 32.5 | 1182 | 1074 | 1031 | 1098 | 1118 |
| 35.0 | 1136 | 1025 | 1015 | 1104 | 1127 |
| 37.5 | 1082 | 975 | 1003 | 1107 | 1135 |
| 40.0 | 1027 | 925 | 993 | 1110 | 1141 |
| 42.5 | 969 | 877 | 982 | 1109 | 1140 |
| 45.0 | 908 | 831 | 968 | 1101 | 1126 |
| 47.5 | 845 | 786 | 953 | 1082 | 1101 |
| 50.0 | 780 | 743 | 933 | 1052 | 1066 |
| 52.5 | 715 | 701 | 907 | 1011 | 1020 |
| 55.0 | 649 | 661 | 874 | 961 | 966 |
| 57.5 | 581 | 620 | 832 | 904 | 906 |
| 60.0 | 518 | 579 | 783 | 843 | 843 |
| 62.5 | 454 | 536 | 729 | 779 | 778 |
| 65.0 | 397 | 491 | 671 | 712 | 717 |
| 67.5 | 342 | 445 | 612 | 652 | 650 |
| 70.0 | 291 | 397 | 555 | 591 | 590 |
| 72.5 | 243 | 350 | 499 | 531 | 532 |
| 75.0 | 199 | 305 | 445 | 476 | 476 |
| 77.5 | 156 | 264 | 394 | 422 | 422 |
| 80.0 | 119 | 225 | 345 | 371 | 371 |
| 82.5 | 85 | 190 | 300 | 324 | 324 |
| 85.0 | 56 | 159 | 260 | 281 | 281 |
| 87.5 | 34 | 133 | 225 | 243 | 243 |
| 90.0 | 20 | 109 | 192 | 212 | 213 |
| 92.5 | 14 | 92 | 170 | 191 | 193 |
| 95.0 | 13 | 78 | 152 | 174 | 177 |
| 97.5 | 11 | 66 | 137 | 161 | 164 |
| 100.0 | 10 | 54 | 125 | 150 | 154 |
| 102.5 | 9 | 45 | 113 | 140 | 146 |
| 105.0 | 8 | 35 | 102 | 132 | 138 |
| 107.5 | 7 | 26 | 93 | 124 | 131 |
| 110.0 | 6 | 18 | 83 | 116 | 124 |
| 112.5 | 5 | 11 | 72 | 108 | 117 |
| 115.0 | 4 | 5 | 61 | 100 | 110 |
| 117.5 | 3 | 2 | 49 | 89 | 101 |
| 120.0 | 2 | 2 | 39 | 77 | 90 |
| 122.5 | 0 | 0 | 0 | 0 | 0 |
| 125.0 | 0 | 0 | 0 | 0 | 0 |
| 127.5 | 0 | 0 | 0 | 0 | 0 |
| 130.0 | 0 | 0 | 0 | 0 | 0 |
| 132.5 | 0 | 0 | 0 | 0 | 0 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EGA-5L-RA-840.IES

CANDELA TABULATION - (Cont.)

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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EGA-5L-RA-840.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 493.10 | N.A. | 10.40 |
| 0-30 | 1026.86 | N.A. | 21.70 |
| 0-40 | 1697.06 | N.A. | 35.80 |
| 0-60 | 3187.8 | N.A. | 67.30 |
| 0-80 | 4204.81 | N.A. | 88.80 |
| 0-90 | 4445.63 | N.A. | 93.90 |
| 10-90 | 4314.41 | N.A. | 91.10 |
| 20-40 | 1203.96 | N.A. | 25.40 |
| 20-50 | 1958.56 | N.A. | 41.40 |
| 40-70 | 2092.98 | N.A. | 44.20 |
| 60-80 | 1017.01 | N.A. | 21.50 |
| 70-80 | 414.77 | N.A. | 8.80 |
| 80-90 | 240.82 | N.A. | 5.10 |
| 90-110 | 229.41 | N.A. | 4.80 |
| 90-120 | 284.82 | N.A. | 6.00 |
| 90-130 | 289.62 | N.A. | 6.10 |
| 90-150 | 289.62 | N.A. | 6.10 |
| 90-180 | 289.62 | N.A. | 6.10 |
| 110-180 | 60.21 | N.A. | 1.30 |
| 0-180 | 4735.25 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 131.22 |
| 10-20 | 361.88 |
| 20-30 | 533.77 |
| 30-40 | 670.19 |
| 40-50 | 754.60 |
| 50-60 | 736.14 |
| 60-70 | 602.24 |
| 70-80 | 414.77 |
| 80-90 | 240.82 |
| 90-100 | 138.31 |
| 100-110 | 91.10 |
| 110-120 | 55.40 |
| 120-130 | 4.80 |
| 130-140 | 0.00 |
| 140-150 | 0.00 |
| 150-160 | 0.00 |
| 160-170 | 0.00 |
| 170-180 | 0.00 |

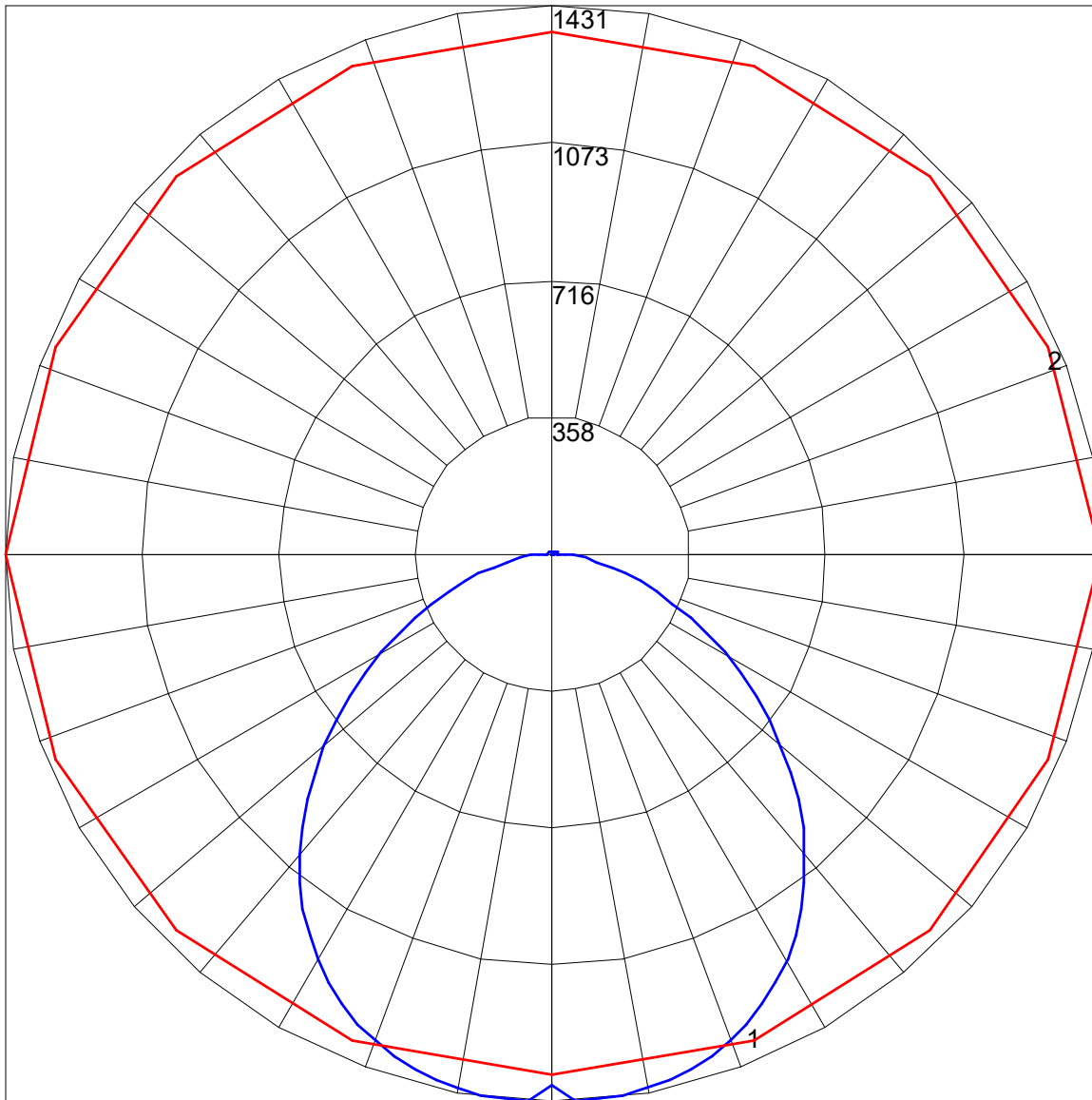
IES INDOOR REPORT
PHOTOMETRIC FILENAME : EGA-5L-RA-840.IES

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 | 114 | 114 | 114 | 114 | 108 | 108 | 108 | 102 | 102 | 102 | 96 | 96 | 96 | 94 |
| 1 | 105 | 100 | 95 | 91 | 102 | 97 | 93 | 88 | 92 | 88 | 85 | 87 | 84 | 81 | 82 | 80 | 77 | 75 |
| 2 | 95 | 86 | 78 | 72 | 92 | 84 | 77 | 71 | 79 | 73 | 68 | 75 | 70 | 66 | 71 | 67 | 63 | 61 |
| 3 | 86 | 75 | 66 | 59 | 83 | 73 | 65 | 58 | 69 | 62 | 56 | 65 | 59 | 54 | 62 | 57 | 53 | 50 |
| 4 | 79 | 66 | 57 | 49 | 76 | 64 | 55 | 49 | 61 | 53 | 47 | 58 | 51 | 46 | 55 | 49 | 45 | 42 |
| 5 | 72 | 59 | 49 | 42 | 69 | 57 | 48 | 42 | 54 | 46 | 41 | 51 | 45 | 39 | 49 | 43 | 39 | 36 |
| 6 | 66 | 52 | 43 | 36 | 64 | 51 | 42 | 36 | 49 | 41 | 35 | 46 | 40 | 34 | 44 | 38 | 34 | 31 |
| 7 | 61 | 47 | 38 | 32 | 59 | 46 | 38 | 32 | 44 | 37 | 31 | 42 | 35 | 30 | 40 | 34 | 30 | 27 |
| 8 | 57 | 43 | 34 | 28 | 55 | 42 | 34 | 28 | 40 | 33 | 27 | 39 | 32 | 27 | 37 | 31 | 26 | 24 |
| 9 | 53 | 39 | 31 | 25 | 52 | 39 | 31 | 25 | 37 | 30 | 25 | 35 | 29 | 24 | 34 | 28 | 24 | 22 |
| 10 | 50 | 36 | 28 | 23 | 48 | 36 | 28 | 23 | 34 | 27 | 22 | 33 | 26 | 22 | 32 | 26 | 22 | 20 |

POLAR GRAPH



Maximum Candela = 1431 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)