



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-65L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8850_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE]DATE]08/18/17
[TEST]DATE]08/18/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPASC14-LED-65L-30
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]SCALED FROM ORIGINAL TEST DATA
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 6285 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 122 |
| Total Luminaire Watts | 51.4 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.28 |
| Spacing Criterion (90-270) | 1.38 |
| Spacing Criterion (Diagonal) | 1.44 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 4.00 ft |
| Luminous Width (90-270) | 1.00 ft |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 4878 | 5458 | 5932 |
| 55 | 4525 | 5430 | 6159 |
| 65 | 4200 | 5527 | 6339 |
| 75 | 3849 | 5499 | 5337 |
| 85 | 3554 | 4995 | 5571 |

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CANDELA TABULATION

| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
|-------------|------------|-------------|-------------|-------------|-------------|
| 0.0 | 1983.593 | 1983.593 | 1983.593 | 1983.593 | 1983.593 |
| 2.5 | 2033.416 | 2002.276 | 1986.706 | 1968.023 | 1958.681 |
| 5.0 | 2027.188 | 1999.162 | 1986.706 | 1968.023 | 1952.453 |
| 7.5 | 2017.846 | 1992.934 | 1980.479 | 1964.909 | 1955.567 |
| 10.0 | 2017.846 | 1986.706 | 1977.365 | 1964.909 | 1952.453 |
| 12.5 | 1996.048 | 1968.023 | 1964.909 | 1955.567 | 1946.225 |
| 15.0 | 1974.251 | 1949.339 | 1952.453 | 1952.453 | 1939.997 |
| 17.5 | 1949.339 | 1927.541 | 1930.655 | 1936.883 | 1930.655 |
| 20.0 | 1908.857 | 1893.288 | 1902.630 | 1915.085 | 1911.971 |
| 22.5 | 1868.376 | 1859.034 | 1874.604 | 1896.402 | 1893.288 |
| 25.0 | 1827.895 | 1818.553 | 1846.578 | 1871.490 | 1871.490 |
| 27.5 | 1771.843 | 1771.843 | 1809.211 | 1843.464 | 1849.692 |
| 30.0 | 1712.678 | 1725.134 | 1768.729 | 1812.325 | 1821.667 |
| 32.5 | 1647.285 | 1662.855 | 1722.020 | 1774.957 | 1784.299 |
| 35.0 | 1585.006 | 1606.803 | 1675.310 | 1740.704 | 1753.159 |
| 37.5 | 1510.271 | 1538.296 | 1619.259 | 1693.994 | 1709.564 |
| 40.0 | 1441.763 | 1472.903 | 1566.322 | 1647.285 | 1665.969 |
| 42.5 | 1357.687 | 1395.054 | 1500.929 | 1588.120 | 1613.031 |
| 45.0 | 1282.952 | 1320.319 | 1435.536 | 1535.182 | 1560.094 |
| 47.5 | 1201.989 | 1251.812 | 1373.256 | 1482.245 | 1510.271 |
| 50.0 | 1121.026 | 1173.963 | 1301.635 | 1416.852 | 1441.763 |
| 52.5 | 1043.177 | 1099.228 | 1236.242 | 1348.345 | 1382.598 |
| 55.0 | 965.328 | 1021.379 | 1158.393 | 1279.838 | 1314.091 |
| 57.5 | 887.479 | 949.758 | 1093.000 | 1211.330 | 1245.584 |
| 60.0 | 812.744 | 875.023 | 1015.151 | 1133.481 | 1170.849 |
| 62.5 | 731.781 | 794.060 | 940.416 | 1055.632 | 1083.658 |
| 65.0 | 660.160 | 719.325 | 868.795 | 977.783 | 996.467 |
| 67.5 | 579.197 | 638.362 | 787.832 | 871.909 | 881.251 |
| 70.0 | 504.462 | 572.969 | 706.869 | 762.920 | 753.578 |
| 72.5 | 439.068 | 507.575 | 622.792 | 650.818 | 635.248 |
| 75.0 | 370.561 | 439.068 | 529.373 | 526.259 | 513.803 |
| 77.5 | 305.168 | 376.789 | 432.840 | 420.385 | 401.701 |
| 80.0 | 236.661 | 298.940 | 330.080 | 317.624 | 311.396 |
| 82.5 | 171.268 | 227.319 | 242.889 | 239.775 | 239.775 |
| 85.0 | 115.217 | 152.584 | 161.926 | 171.268 | 180.610 |
| 87.5 | 59.165 | 77.849 | 77.849 | 84.077 | 87.191 |
| 90.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 740.57 | N.A. | 11.80 |
| 0-30 | 1591.54 | N.A. | 25.30 |
| 0-40 | 2636.75 | N.A. | 42.00 |
| 0-60 | 4770.01 | N.A. | 75.90 |
| 0-80 | 6116.5 | N.A. | 97.30 |
| 0-90 | 6284.71 | N.A. | 100.00 |
| 10-90 | 6095.44 | N.A. | 97.00 |
| 20-40 | 1896.18 | N.A. | 30.20 |
| 20-50 | 2999.55 | N.A. | 47.70 |
| 40-70 | 2966.43 | N.A. | 47.20 |
| 60-80 | 1346.49 | N.A. | 21.40 |
| 70-80 | 513.32 | N.A. | 8.20 |
| 80-90 | 168.21 | N.A. | 2.70 |
| 90-110 | 0.00 | N.A. | 0.00 |
| 90-120 | 0.00 | N.A. | 0.00 |
| 90-130 | 0.00 | N.A. | 0.00 |
| 90-150 | 0.00 | N.A. | 0.00 |
| 90-180 | 0.00 | N.A. | 0.00 |
| 110-180 | 0.00 | N.A. | 0.00 |
| 0-180 | 6284.71 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 189.27 |
| 10-20 | 551.30 |
| 20-30 | 850.97 |
| 30-40 | 1045.21 |
| 40-50 | 1103.37 |
| 50-60 | 1029.89 |
| 60-70 | 833.17 |
| 70-80 | 513.32 |
| 80-90 | 168.21 |
| 90-100 | 0.00 |
| 100-110 | 0.00 |
| 110-120 | 0.00 |
| 120-130 | 0.00 |
| 130-140 | 0.00 |
| 140-150 | 0.00 |
| 150-160 | 0.00 |
| 160-170 | 0.00 |
| 170-180 | 0.00 |

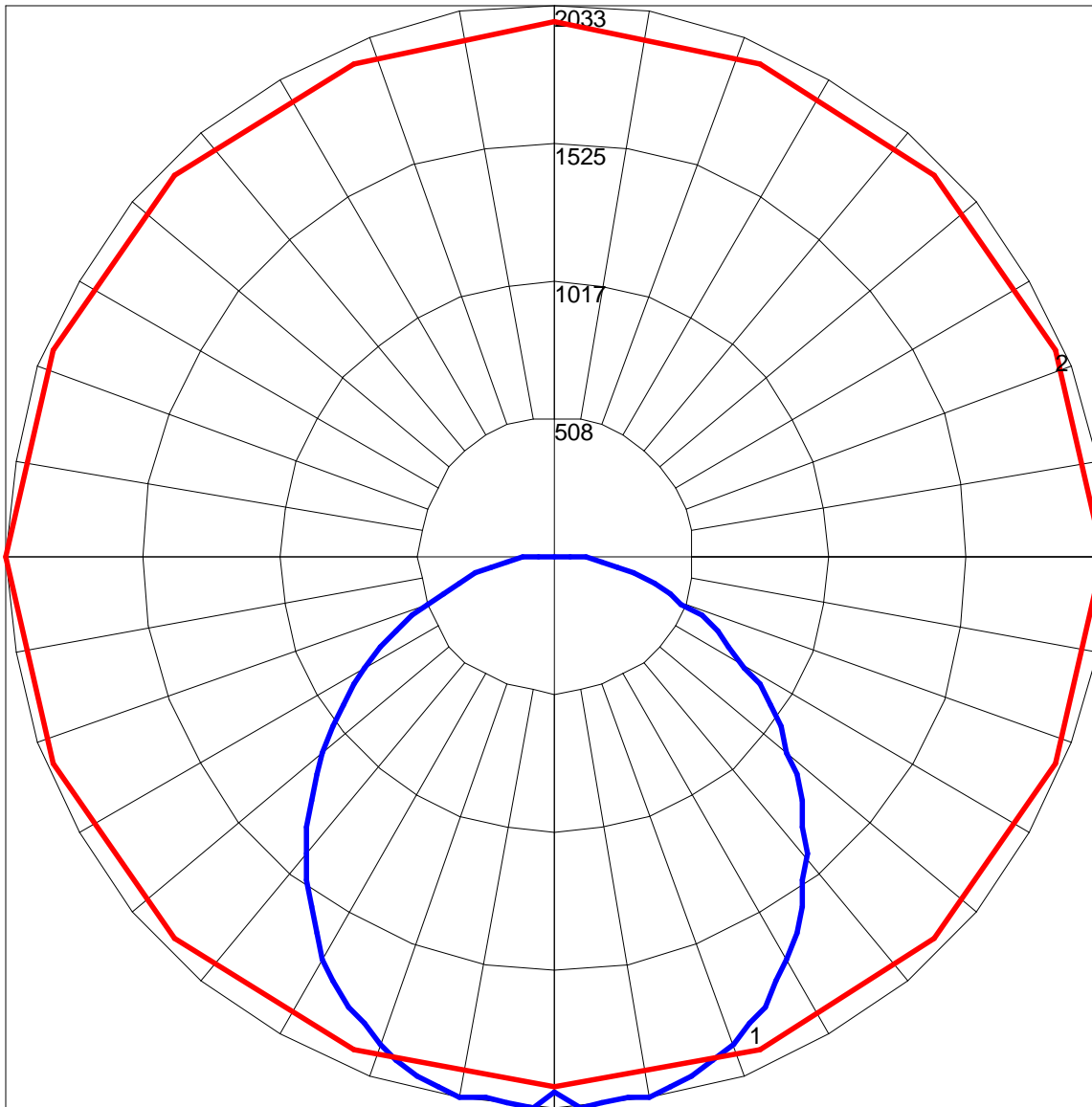
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 108 | 103 | 98 | 94 | 105 | 101 | 97 | 93 | 96 | 93 | 90 | 92 | 90 | 87 | 89 | 87 | 84 | 82 |
| 2 | 98 | 89 | 82 | 76 | 95 | 87 | 81 | 75 | 84 | 78 | 73 | 80 | 76 | 72 | 77 | 73 | 70 | 68 |
| 3 | 89 | 78 | 69 | 63 | 86 | 76 | 68 | 62 | 73 | 66 | 61 | 70 | 65 | 60 | 68 | 63 | 59 | 56 |
| 4 | 81 | 69 | 60 | 53 | 79 | 67 | 59 | 52 | 65 | 57 | 52 | 62 | 56 | 51 | 60 | 55 | 50 | 48 |
| 5 | 74 | 61 | 52 | 45 | 72 | 60 | 51 | 45 | 58 | 50 | 44 | 56 | 49 | 44 | 54 | 48 | 43 | 41 |
| 6 | 69 | 55 | 46 | 39 | 67 | 54 | 45 | 39 | 52 | 44 | 39 | 50 | 44 | 38 | 49 | 43 | 38 | 36 |
| 7 | 64 | 50 | 41 | 34 | 62 | 49 | 40 | 34 | 47 | 40 | 34 | 46 | 39 | 34 | 44 | 38 | 34 | 31 |
| 8 | 59 | 45 | 37 | 31 | 58 | 45 | 36 | 31 | 43 | 36 | 30 | 42 | 35 | 30 | 41 | 35 | 30 | 28 |
| 9 | 55 | 42 | 33 | 27 | 54 | 41 | 33 | 27 | 40 | 32 | 27 | 39 | 32 | 27 | 38 | 31 | 27 | 25 |
| 10 | 52 | 38 | 30 | 25 | 50 | 38 | 30 | 25 | 37 | 30 | 25 | 36 | 29 | 25 | 35 | 29 | 24 | 23 |

POLAR GRAPH



Maximum Candela = 2033.416 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.)