



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-5050-PL-VHO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-7328A
[TESTLAB]Dekko
[ISSUE DATE]06-19-2017
[TEST DATE]10/01/15
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT] LDI-4-LED-5050-PL-VHO-40
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 4125 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 60 |
| Total Luminaire Watts | 69 |
| Ballast Factor | 1.00 |
| CIE Type | General Diffuse |
| Spacing Criterion (0-180) | N.A. |
| Spacing Criterion (90-270) | N.A. |
| Spacing Criterion (Diagonal) | N.A. |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 4.00 ft |
| Luminous Width (90-270) | 0.75 ft |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 2640 | 2694 | 3134 |
| 55 | 2147 | 2465 | 3141 |
| 65 | 668 | 1843 | 3401 |
| 75 | 250 | 522 | 2237 |
| 85 | 304 | 438 | 776 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-5050-PL-VHO-40.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 | 826.56 | 826.56 | 826.56 | 826.56 | 826.56 |
| 2.5 | 846.24 | 833.12 | 827.38 | 820.82 | 815.08 |
| 5.0 | 845.42 | 831.48 | 824.10 | 817.54 | 811.80 |
| 7.5 | 841.32 | 827.38 | 819.18 | 811.80 | 806.88 |
| 10.0 | 834.76 | 820.00 | 811.80 | 804.42 | 798.68 |
| 12.5 | 824.92 | 810.16 | 801.14 | 795.40 | 790.48 |
| 15.0 | 813.44 | 797.86 | 788.84 | 786.38 | 783.10 |
| 17.5 | 800.32 | 783.10 | 774.90 | 776.54 | 775.72 |
| 20.0 | 784.74 | 766.70 | 759.32 | 765.88 | 768.34 |
| 22.5 | 768.34 | 748.66 | 742.92 | 755.22 | 760.96 |
| 25.0 | 748.66 | 729.80 | 725.70 | 743.74 | 751.94 |
| 27.5 | 727.34 | 708.48 | 707.66 | 730.62 | 742.10 |
| 30.0 | 704.38 | 684.70 | 687.98 | 715.04 | 730.62 |
| 32.5 | 679.78 | 658.46 | 666.66 | 697.82 | 717.50 |
| 35.0 | 652.72 | 631.40 | 642.88 | 678.96 | 702.74 |
| 37.5 | 621.56 | 602.70 | 618.28 | 657.64 | 686.34 |
| 40.0 | 589.58 | 571.54 | 590.40 | 634.68 | 665.02 |
| 42.5 | 555.96 | 539.56 | 561.70 | 608.44 | 643.70 |
| 45.0 | 520.70 | 505.12 | 531.36 | 579.74 | 618.28 |
| 47.5 | 483.80 | 469.86 | 499.38 | 551.04 | 592.04 |
| 50.0 | 442.80 | 431.32 | 465.76 | 519.88 | 564.16 |
| 52.5 | 398.52 | 390.32 | 429.68 | 487.90 | 534.64 |
| 55.0 | 343.58 | 345.22 | 394.42 | 454.28 | 502.66 |
| 57.5 | 279.62 | 290.28 | 355.88 | 420.66 | 470.68 |
| 60.0 | 207.46 | 232.06 | 315.70 | 387.04 | 437.88 |
| 62.5 | 131.20 | 167.28 | 269.78 | 353.42 | 414.10 |
| 65.0 | 78.72 | 106.60 | 217.30 | 323.08 | 400.98 |
| 67.5 | 51.66 | 66.42 | 159.90 | 284.54 | 363.26 |
| 70.0 | 35.26 | 45.10 | 104.14 | 228.78 | 320.62 |
| 72.5 | 24.60 | 31.98 | 62.32 | 163.18 | 258.30 |
| 75.0 | 18.04 | 23.78 | 37.72 | 96.76 | 161.54 |
| 77.5 | 13.12 | 18.86 | 26.24 | 53.30 | 100.86 |
| 80.0 | 10.66 | 14.76 | 18.86 | 29.52 | 58.22 |
| 82.5 | 9.84 | 12.30 | 13.94 | 19.68 | 32.80 |
| 85.0 | 7.38 | 9.84 | 10.66 | 13.12 | 18.86 |
| 87.5 | 6.56 | 9.02 | 9.02 | 9.84 | 11.48 |
| 90.0 | 9.84 | 16.40 | 21.32 | 18.86 | 16.40 |
| 92.5 | 27.06 | 50.02 | 95.94 | 118.90 | 51.66 |
| 95.0 | 48.38 | 68.06 | 167.28 | 101.68 | 82.00 |
| 97.5 | 73.80 | 101.68 | 157.44 | 299.30 | 203.36 |
| 100.0 | 102.50 | 131.20 | 193.52 | 187.78 | 182.04 |
| 102.5 | 132.84 | 154.16 | 179.58 | 221.40 | 211.56 |
| 105.0 | 164.00 | 174.66 | 203.36 | 209.92 | 255.84 |
| 107.5 | 200.08 | 196.80 | 218.94 | 222.22 | 238.62 |
| 110.0 | 226.32 | 214.02 | 226.32 | 236.98 | 249.28 |
| 112.5 | 246.00 | 241.08 | 247.64 | 259.12 | 263.22 |
| 115.0 | 290.28 | 256.66 | 279.62 | 274.70 | 276.34 |
| 117.5 | 314.88 | 275.52 | 291.92 | 291.92 | 291.10 |
| 120.0 | 326.36 | 300.12 | 300.12 | 309.96 | 305.86 |
| 122.5 | 362.44 | 332.10 | 318.98 | 325.54 | 320.62 |
| 125.0 | 396.06 | 358.34 | 337.84 | 341.94 | 335.38 |
| 127.5 | 415.74 | 368.18 | 353.42 | 360.80 | 349.32 |
| 130.0 | 432.14 | 373.10 | 367.36 | 373.92 | 363.26 |
| 132.5 | 451.00 | 395.24 | 381.30 | 387.04 | 376.38 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-5050-PL-VHO-40.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|--------------|--------|--------|--------|--------|--------|
| 135.0 | 467.40 | 427.22 | 401.80 | 398.52 | 390.32 |
| 137.5 | 482.16 | 462.48 | 422.30 | 408.36 | 404.26 |
| 140.0 | 495.28 | 485.44 | 437.88 | 416.56 | 415.74 |
| 142.5 | 516.60 | 499.38 | 445.26 | 423.94 | 430.50 |
| 145.0 | 532.18 | 514.14 | 452.64 | 430.50 | 441.98 |
| 147.5 | 547.76 | 531.36 | 460.84 | 445.26 | 451.00 |
| 150.0 | 562.52 | 546.94 | 482.16 | 460.02 | 459.20 |
| 152.5 | 567.44 | 556.78 | 510.86 | 472.32 | 468.22 |
| 155.0 | 569.08 | 563.34 | 528.90 | 489.54 | 474.78 |
| 157.5 | 570.72 | 569.08 | 541.20 | 515.78 | 488.72 |
| 160.0 | 574.00 | 571.54 | 550.22 | 530.54 | 513.32 |
| 162.5 | 576.46 | 574.82 | 564.16 | 538.74 | 523.98 |
| 165.0 | 578.10 | 577.28 | 571.54 | 555.96 | 540.38 |
| 167.5 | 578.92 | 578.92 | 573.18 | 568.26 | 560.88 |
| 170.0 | 578.92 | 578.10 | 574.00 | 569.90 | 564.98 |
| 172.5 | 578.10 | 577.28 | 573.18 | 569.90 | 564.98 |
| 175.0 | 577.28 | 575.64 | 571.54 | 567.44 | 564.16 |
| 177.5 | 575.64 | 574.00 | 569.08 | 564.98 | 562.52 |
| 180.0 | 568.26 | 568.26 | 568.26 | 568.26 | 568.26 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-5050-PL-VHO-40.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 302.19 | N.A. | 7.30 |
| 0-30 | 642.07 | N.A. | 15.60 |
| 0-40 | 1053.15 | N.A. | 25.50 |
| 0-60 | 1832.87 | N.A. | 44.40 |
| 0-80 | 2127.75 | N.A. | 51.60 |
| 0-90 | 2143.73 | N.A. | 52.00 |
| 10-90 | 2065.33 | N.A. | 50.10 |
| 20-40 | 750.96 | N.A. | 18.20 |
| 20-50 | 1171.98 | N.A. | 28.40 |
| 40-70 | 1000.41 | N.A. | 24.30 |
| 60-80 | 294.89 | N.A. | 7.10 |
| 70-80 | 74.20 | N.A. | 1.80 |
| 80-90 | 15.98 | N.A. | 0.40 |
| 90-110 | 329.37 | N.A. | 8.00 |
| 90-120 | 597.49 | N.A. | 14.50 |
| 90-130 | 908.42 | N.A. | 22.00 |
| 90-150 | 1524.5 | N.A. | 37.00 |
| 90-180 | 1981.43 | N.A. | 48.00 |
| 110-180 | 1652.06 | N.A. | 40.00 |
| 0-180 | 4125.15 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 78.40 |
| 10-20 | 223.79 |
| 20-30 | 339.88 |
| 30-40 | 411.08 |
| 40-50 | 421.02 |
| 50-60 | 358.70 |
| 60-70 | 220.69 |
| 70-80 | 74.20 |
| 80-90 | 15.98 |
| 90-100 | 120.19 |
| 100-110 | 209.18 |
| 110-120 | 268.12 |
| 120-130 | 310.93 |
| 130-140 | 319.82 |
| 140-150 | 296.26 |
| 150-160 | 242.78 |
| 160-170 | 159.54 |
| 170-180 | 54.61 |

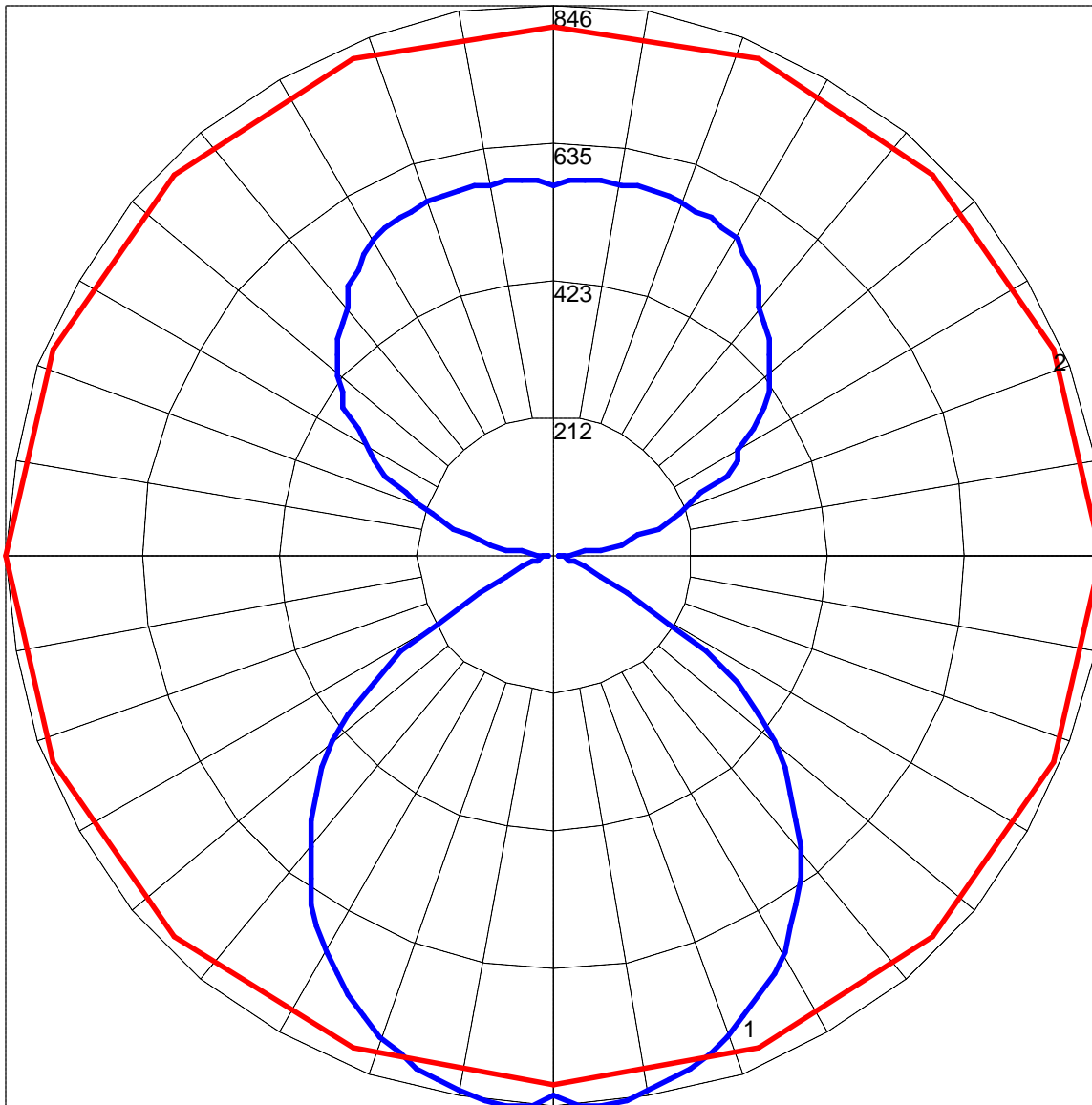
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-5050-PL-VHO-40.IES

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 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 84 | 84 | 84 | 71 | 71 | 71 | 58 | 58 | 58 | 52 |
| 1 | 99 | 95 | 91 | 88 | 91 | 88 | 85 | 82 | 75 | 73 | 70 | 63 | 61 | 60 | 52 | 51 | 50 | 45 |
| 2 | 90 | 83 | 77 | 72 | 83 | 77 | 72 | 68 | 66 | 62 | 59 | 56 | 53 | 50 | 46 | 44 | 43 | 38 |
| 3 | 82 | 73 | 66 | 60 | 76 | 68 | 62 | 57 | 58 | 54 | 50 | 49 | 46 | 43 | 41 | 39 | 36 | 32 |
| 4 | 75 | 65 | 57 | 51 | 70 | 60 | 53 | 48 | 52 | 47 | 42 | 44 | 40 | 37 | 37 | 34 | 31 | 28 |
| 5 | 69 | 58 | 50 | 44 | 64 | 54 | 47 | 41 | 46 | 41 | 37 | 40 | 35 | 32 | 33 | 30 | 27 | 24 |
| 6 | 64 | 52 | 44 | 38 | 59 | 48 | 41 | 36 | 42 | 36 | 32 | 36 | 31 | 28 | 30 | 27 | 24 | 21 |
| 7 | 59 | 47 | 39 | 33 | 54 | 44 | 37 | 32 | 38 | 32 | 28 | 32 | 28 | 25 | 27 | 24 | 21 | 19 |
| 8 | 55 | 42 | 35 | 29 | 51 | 40 | 33 | 28 | 35 | 29 | 25 | 30 | 25 | 22 | 25 | 22 | 19 | 17 |
| 9 | 51 | 39 | 31 | 26 | 47 | 36 | 30 | 25 | 32 | 26 | 22 | 27 | 23 | 20 | 23 | 20 | 17 | 15 |
| 10 | 48 | 36 | 28 | 24 | 44 | 33 | 27 | 22 | 29 | 24 | 20 | 25 | 21 | 18 | 21 | 18 | 16 | 14 |

POLAR GRAPH



Maximum Candela = 846.24 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.)

This document was created with Win2PDF available at <http://www.win2pdf.com>.
The unregistered version of Win2PDF is for evaluation or non-commercial use only.
This page will not be added after purchasing Win2PDF.