



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC22-LED-25L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8808_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE]DATE]07/17/17
[TEST]DATE]04/21/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPASC22-LED-25L-50
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]SCALED FROM ORIGINAL TEST DATA
[_SEARCH_SOURCE]TYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 2721 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 123 |
| Total Luminaire Watts | 22.2 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.26 |
| Spacing Criterion (90-270) | 1.44 |
| Spacing Criterion (Diagonal) | 1.46 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 1.98 ft |
| Luminous Width (90-270) | 1.98 ft |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 1930 | 2293 | 2647 |
| 55 | 1794 | 2323 | 2877 |
| 65 | 1665 | 2451 | 3237 |
| 75 | 1518 | 2802 | 4209 |
| 85 | 1230 | 3197 | 3771 |

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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 | 800.201 | 800.201 | 800.201 | 800.201 | 800.201 |
| 2.5 | 818.417 | 811.911 | 801.502 | 791.093 | 787.190 |
| 5.0 | 817.116 | 810.610 | 801.502 | 792.394 | 788.491 |
| 7.5 | 814.514 | 808.008 | 800.201 | 793.695 | 789.792 |
| 10.0 | 808.008 | 804.104 | 798.900 | 793.695 | 792.394 |
| 12.5 | 800.201 | 796.298 | 794.997 | 793.695 | 792.394 |
| 15.0 | 788.491 | 787.190 | 789.792 | 792.394 | 793.695 |
| 17.5 | 775.479 | 775.479 | 783.286 | 789.792 | 793.695 |
| 20.0 | 759.866 | 762.468 | 775.479 | 787.190 | 791.093 |
| 22.5 | 740.349 | 746.854 | 765.070 | 781.985 | 787.190 |
| 25.0 | 720.832 | 729.940 | 753.360 | 775.479 | 783.286 |
| 27.5 | 698.712 | 709.121 | 739.047 | 766.371 | 776.781 |
| 30.0 | 672.689 | 687.002 | 723.434 | 757.263 | 768.974 |
| 32.5 | 645.365 | 663.581 | 705.218 | 742.951 | 758.565 |
| 35.0 | 616.740 | 637.559 | 683.098 | 728.638 | 746.854 |
| 37.5 | 588.115 | 611.536 | 662.280 | 713.025 | 732.542 |
| 40.0 | 556.888 | 582.911 | 638.860 | 694.809 | 716.928 |
| 42.5 | 526.962 | 555.587 | 615.439 | 676.593 | 700.013 |
| 45.0 | 497.035 | 526.962 | 590.718 | 657.076 | 681.797 |
| 47.5 | 465.808 | 497.035 | 564.695 | 634.956 | 663.581 |
| 50.0 | 434.581 | 467.109 | 538.672 | 614.138 | 644.064 |
| 52.5 | 403.353 | 435.882 | 512.649 | 592.019 | 623.246 |
| 55.0 | 374.728 | 405.956 | 485.325 | 569.899 | 601.127 |
| 57.5 | 342.200 | 376.029 | 458.001 | 545.178 | 577.706 |
| 60.0 | 313.575 | 347.404 | 430.677 | 519.155 | 554.286 |
| 62.5 | 283.649 | 317.478 | 403.353 | 493.132 | 526.962 |
| 65.0 | 256.325 | 288.853 | 377.331 | 464.507 | 498.337 |
| 67.5 | 227.699 | 261.529 | 348.706 | 437.183 | 472.314 |
| 70.0 | 199.074 | 232.904 | 320.080 | 409.859 | 452.797 |
| 72.5 | 170.449 | 204.279 | 291.455 | 386.439 | 434.581 |
| 75.0 | 143.125 | 176.955 | 264.131 | 355.211 | 396.848 |
| 77.5 | 114.500 | 150.932 | 238.109 | 325.285 | 365.620 |
| 80.0 | 88.478 | 123.608 | 205.580 | 269.336 | 281.046 |
| 82.5 | 63.756 | 96.284 | 160.040 | 191.268 | 199.074 |
| 85.0 | 39.034 | 63.756 | 101.489 | 114.500 | 119.705 |
| 87.5 | 18.216 | 26.023 | 44.239 | 57.250 | 66.358 |
| 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 | 299.75 | N.A. | 11.00 |
| 0-30 | 646.63 | N.A. | 23.80 |
| 0-40 | 1074.08 | N.A. | 39.50 |
| 0-60 | 1965.84 | N.A. | 72.20 |
| 0-80 | 2619.49 | N.A. | 96.30 |
| 0-90 | 2721.49 | N.A. | 100.00 |
| 10-90 | 2645.04 | N.A. | 97.20 |
| 20-40 | 774.33 | N.A. | 28.50 |
| 20-50 | 1230.35 | N.A. | 45.20 |
| 40-70 | 1265.44 | N.A. | 46.50 |
| 60-80 | 653.65 | N.A. | 24.00 |
| 70-80 | 279.97 | N.A. | 10.30 |
| 80-90 | 102.00 | N.A. | 3.70 |
| 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 | 2721.49 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 76.45 |
| 10-20 | 223.30 |
| 20-30 | 346.88 |
| 30-40 | 427.45 |
| 40-50 | 456.02 |
| 50-60 | 435.74 |
| 60-70 | 373.68 |
| 70-80 | 279.97 |
| 80-90 | 102.00 |
| 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 |

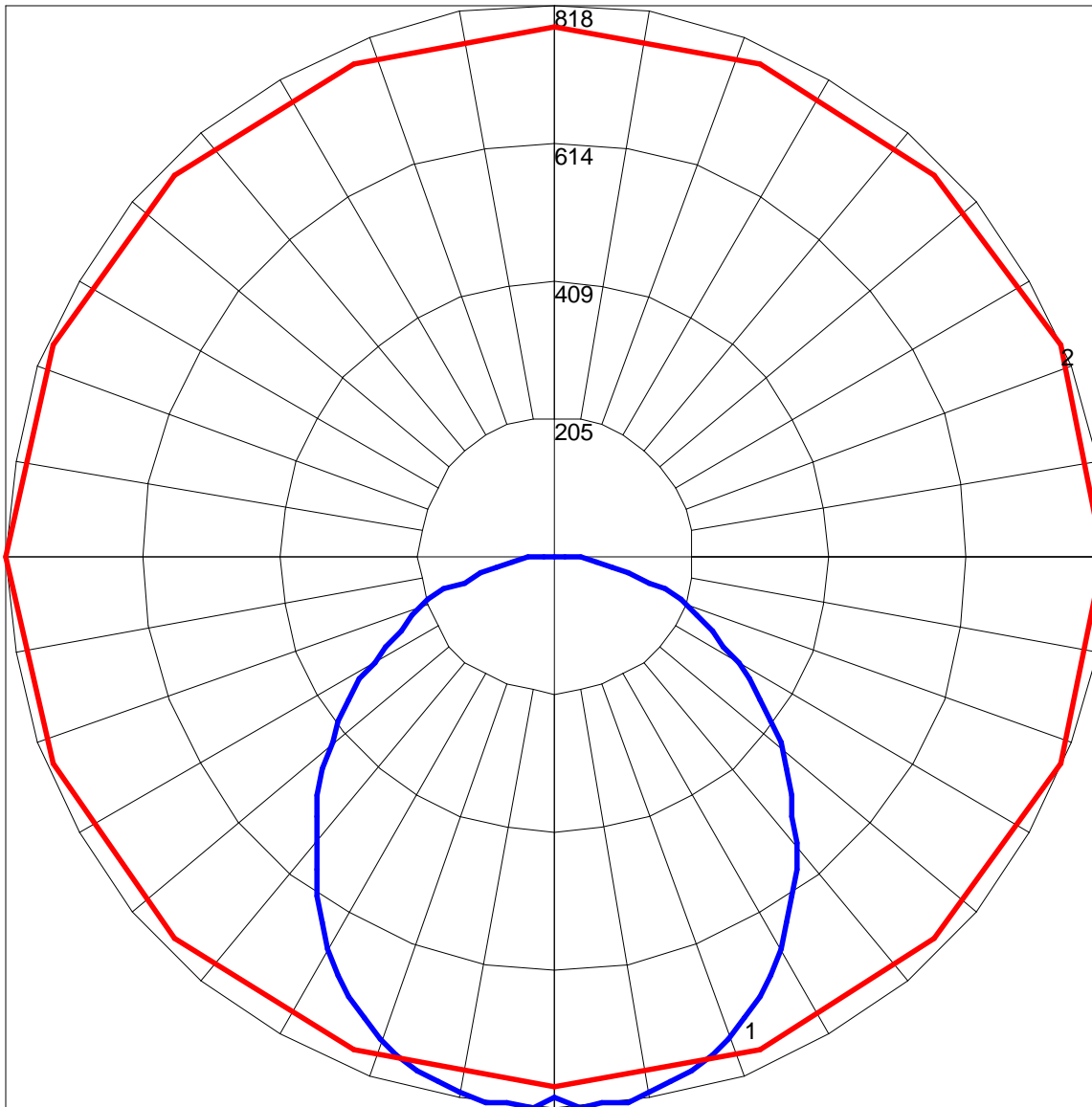
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 107 | 102 | 97 | 93 | 104 | 99 | 95 | 91 | 95 | 91 | 88 | 91 | 88 | 85 | 87 | 85 | 83 | 81 |
| 2 | 97 | 88 | 80 | 74 | 94 | 86 | 79 | 73 | 82 | 76 | 71 | 79 | 74 | 69 | 75 | 71 | 68 | 65 |
| 3 | 88 | 76 | 67 | 60 | 85 | 75 | 66 | 60 | 71 | 64 | 59 | 69 | 63 | 57 | 66 | 61 | 56 | 54 |
| 4 | 80 | 67 | 58 | 50 | 77 | 66 | 57 | 50 | 63 | 55 | 49 | 61 | 54 | 49 | 58 | 53 | 48 | 46 |
| 5 | 73 | 60 | 50 | 43 | 71 | 58 | 49 | 43 | 56 | 48 | 42 | 54 | 47 | 42 | 52 | 46 | 41 | 39 |
| 6 | 67 | 53 | 44 | 37 | 65 | 52 | 44 | 37 | 51 | 43 | 37 | 49 | 42 | 36 | 47 | 41 | 36 | 34 |
| 7 | 62 | 48 | 39 | 33 | 61 | 47 | 39 | 33 | 46 | 38 | 32 | 44 | 37 | 32 | 43 | 37 | 32 | 30 |
| 8 | 58 | 44 | 35 | 29 | 56 | 43 | 35 | 29 | 42 | 34 | 29 | 41 | 34 | 29 | 39 | 33 | 28 | 26 |
| 9 | 54 | 40 | 32 | 26 | 53 | 40 | 32 | 26 | 39 | 31 | 26 | 37 | 31 | 26 | 36 | 30 | 26 | 24 |
| 10 | 51 | 37 | 29 | 24 | 49 | 37 | 29 | 23 | 36 | 28 | 23 | 35 | 28 | 23 | 34 | 28 | 23 | 21 |

POLAR GRAPH



Maximum Candela = 818.417 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.)