



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ASC22-LED-30L-DIM1-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-11050
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/26/19
[TEST DATE]05/10/19
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]ASC22-LED-30L-DIM1-40
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCE TYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 3036 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 131 |
| Total Luminaire Watts | 23.2 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.30 |
| Spacing Criterion (90-270) | 1.42 |
| Spacing Criterion (Diagonal) | 1.48 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 2.00 ft |
| Luminous Width (90-270) | 2.00 ft |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|------------------|---------------|----------------|----------------|
| 45 | 2437 | 2680 | 2939 |
| 55 | 2339 | 2714 | 3098 |
| 65 | 2157 | 2755 | 3085 |
| 75 | 1880 | 2493 | 2524 |
| 85 | 1203 | 1511 | 2005 |

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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 | 929 | 929 | 929 | 929 | 929 |
| 2.5 | 928 | 929 | 932 | 934 | 934 |
| 5.0 | 929 | 930 | 933 | 935 | 935 |
| 7.5 | 926 | 928 | 932 | 934 | 935 |
| 10.0 | 927 | 928 | 930 | 933 | 935 |
| 12.5 | 916 | 922 | 928 | 930 | 932 |
| 15.0 | 909 | 912 | 924 | 927 | 929 |
| 17.5 | 899 | 903 | 913 | 921 | 925 |
| 20.0 | 890 | 893 | 904 | 915 | 919 |
| 22.5 | 873 | 881 | 894 | 909 | 912 |
| 25.0 | 856 | 864 | 881 | 899 | 903 |
| 27.5 | 837 | 847 | 867 | 887 | 893 |
| 30.0 | 815 | 825 | 849 | 873 | 880 |
| 32.5 | 791 | 803 | 830 | 857 | 867 |
| 35.0 | 764 | 778 | 809 | 839 | 851 |
| 37.5 | 734 | 749 | 785 | 820 | 834 |
| 40.0 | 704 | 721 | 760 | 800 | 815 |
| 42.5 | 674 | 691 | 734 | 777 | 795 |
| 45.0 | 641 | 660 | 705 | 753 | 773 |
| 47.5 | 607 | 627 | 675 | 727 | 746 |
| 50.0 | 572 | 593 | 644 | 700 | 720 |
| 52.5 | 536 | 558 | 612 | 670 | 692 |
| 55.0 | 499 | 521 | 579 | 639 | 661 |
| 57.5 | 461 | 484 | 545 | 607 | 626 |
| 60.0 | 420 | 448 | 509 | 568 | 585 |
| 62.5 | 379 | 409 | 472 | 522 | 537 |
| 65.0 | 339 | 371 | 433 | 472 | 485 |
| 67.5 | 299 | 332 | 390 | 415 | 422 |
| 70.0 | 259 | 294 | 341 | 358 | 362 |
| 72.5 | 220 | 255 | 292 | 298 | 302 |
| 75.0 | 181 | 216 | 240 | 240 | 243 |
| 77.5 | 142 | 173 | 185 | 182 | 185 |
| 80.0 | 103 | 132 | 130 | 126 | 132 |
| 82.5 | 69 | 87 | 80 | 92 | 103 |
| 85.0 | 39 | 45 | 49 | 61 | 65 |
| 87.5 | 15 | 15 | 16 | 11 | 10 |
| 90.0 | 0 | 0 | 0 | 0 | 0 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 349.02 | N.A. | 11.50 |
| 0-30 | 755.35 | N.A. | 24.90 |
| 0-40 | 1261.05 | N.A. | 41.50 |
| 0-60 | 2323.69 | N.A. | 76.50 |
| 0-80 | 2977.66 | N.A. | 98.10 |
| 0-90 | 3036.07 | N.A. | 100.00 |
| 10-90 | 2947.17 | N.A. | 97.10 |
| 20-40 | 912.03 | N.A. | 30.00 |
| 20-50 | 1456.74 | N.A. | 48.00 |
| 40-70 | 1477.89 | N.A. | 48.70 |
| 60-80 | 653.97 | N.A. | 21.50 |
| 70-80 | 238.71 | N.A. | 7.90 |
| 80-90 | 58.42 | N.A. | 1.90 |
| 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 | 3036.07 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 88.90 |
| 10-20 | 260.12 |
| 20-30 | 406.33 |
| 30-40 | 505.71 |
| 40-50 | 544.71 |
| 50-60 | 517.92 |
| 60-70 | 415.26 |
| 70-80 | 238.71 |
| 80-90 | 58.42 |
| 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 |

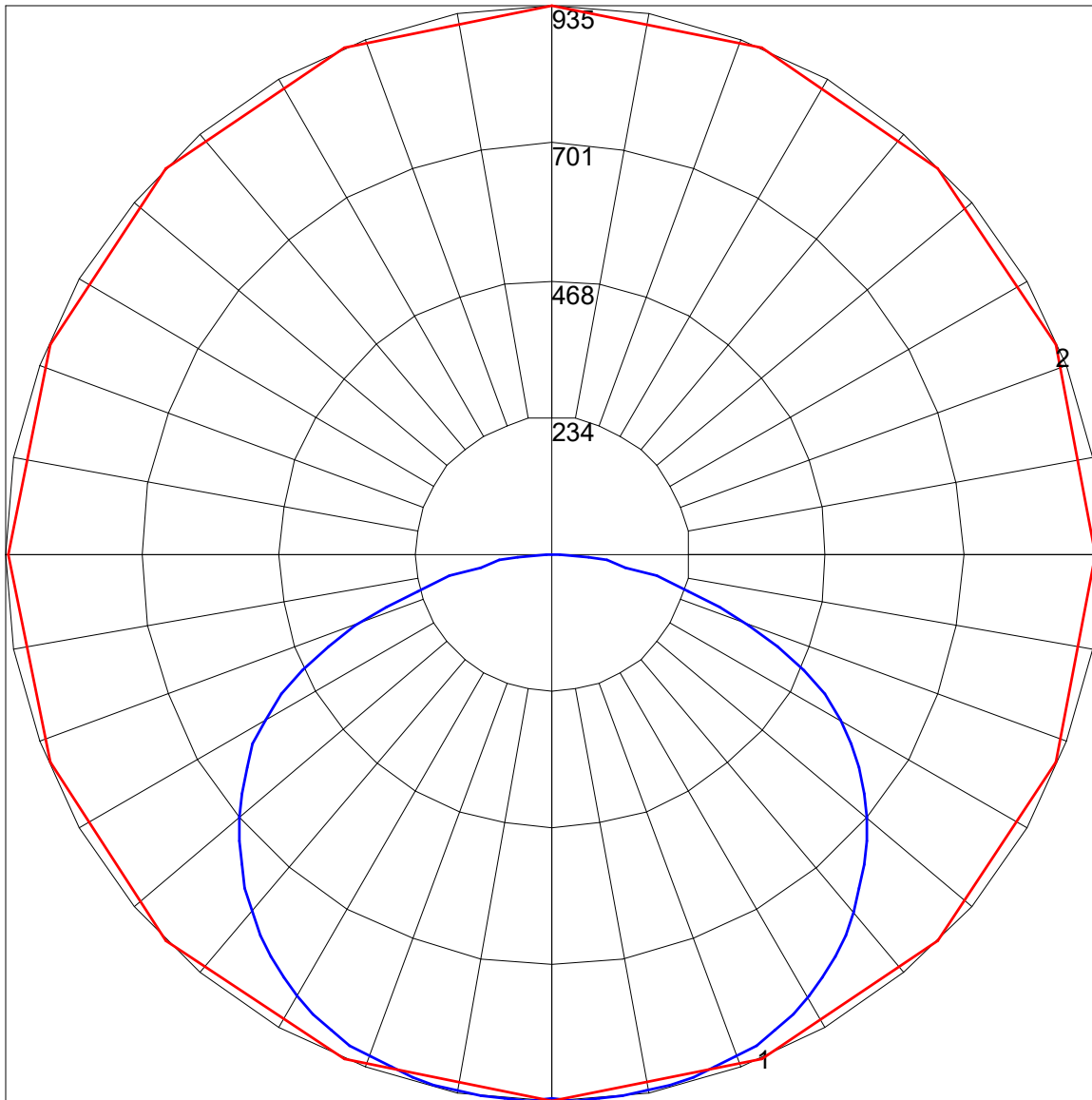
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 99 | 95 | 106 | 101 | 97 | 93 | 97 | 93 | 90 | 93 | 90 | 88 | 89 | 87 | 85 | 83 |
| 2 | 98 | 89 | 82 | 76 | 95 | 88 | 81 | 75 | 84 | 78 | 74 | 81 | 76 | 72 | 78 | 74 | 70 | 68 |
| 3 | 89 | 78 | 70 | 63 | 86 | 76 | 69 | 62 | 73 | 67 | 61 | 71 | 65 | 60 | 68 | 63 | 59 | 57 |
| 4 | 81 | 69 | 60 | 53 | 79 | 67 | 59 | 52 | 65 | 58 | 52 | 63 | 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 | 43 | 38 | 49 | 43 | 38 | 36 |
| 7 | 64 | 50 | 41 | 34 | 62 | 49 | 40 | 34 | 47 | 40 | 34 | 46 | 39 | 34 | 44 | 38 | 33 | 31 |
| 8 | 59 | 45 | 36 | 30 | 57 | 44 | 36 | 30 | 43 | 36 | 30 | 42 | 35 | 30 | 41 | 34 | 30 | 28 |
| 9 | 55 | 41 | 33 | 27 | 54 | 41 | 33 | 27 | 40 | 32 | 27 | 38 | 32 | 27 | 37 | 31 | 27 | 25 |
| 10 | 52 | 38 | 30 | 25 | 50 | 38 | 30 | 25 | 37 | 29 | 24 | 36 | 29 | 24 | 35 | 29 | 24 | 22 |

POLAR GRAPH



Maximum Candela = 935 Located At Horizontal Angle = 67.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)