



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-30L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8781_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE]08/18/17
[TESTDATE]04/18/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPASC24-LED-30L-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	2935
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	24.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 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	1091	1245	1371
55	1002	1249	1445
65	930	1289	1571
75	840	1478	1933
85	766	1878	1803

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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	882.234	882.234	882.234	882.234	882.234
2.5	903.446	889.947	883.198	874.520	867.771
5.0	903.446	889.947	883.198	875.485	868.735
7.5	899.589	887.055	881.270	875.485	868.735
10.0	894.768	883.198	878.377	874.520	868.735
12.5	887.055	876.449	874.520	871.628	866.807
15.0	877.413	866.807	866.807	867.771	863.914
17.5	863.914	855.237	859.093	862.950	860.057
20.0	847.523	841.738	849.451	856.201	855.237
22.5	829.203	826.311	837.881	848.487	849.451
25.0	808.955	808.955	824.382	839.809	840.774
27.5	784.851	787.743	807.991	827.275	832.096
30.0	759.782	765.567	790.636	815.705	820.526
32.5	730.856	739.534	771.352	800.278	807.027
35.0	700.002	712.536	750.140	783.886	791.600
37.5	669.148	683.611	725.071	765.567	775.209
40.0	636.365	653.721	701.930	745.319	756.889
42.5	602.619	621.903	674.933	724.107	735.677
45.0	567.908	588.156	647.936	700.002	713.501
47.5	530.305	555.373	619.010	675.897	690.360
50.0	493.665	521.627	588.156	649.864	666.255
52.5	457.990	486.916	558.266	620.938	638.294
55.0	423.279	453.169	527.412	592.013	610.332
57.5	388.569	420.387	496.558	563.087	580.442
60.0	355.786	386.640	464.740	533.197	550.552
62.5	322.039	353.858	432.921	501.379	519.698
65.0	289.257	321.075	401.103	470.525	488.844
67.5	253.582	286.364	371.213	440.635	457.990
70.0	221.764	256.475	339.395	409.781	427.136
72.5	190.910	226.585	309.505	378.927	397.246
75.0	160.056	197.659	281.543	350.001	368.321
77.5	131.130	170.662	252.618	322.039	336.502
80.0	103.168	144.629	225.620	271.902	273.830
82.5	76.171	117.631	184.160	199.587	190.910
85.0	49.174	89.670	120.524	118.595	115.703
87.5	24.105	49.174	53.995	57.851	57.851
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	329.48	N.A.	11.20
0-30	709.43	N.A.	24.20
0-40	1177.45	N.A.	40.10
0-60	2142.12	N.A.	73.00
0-80	2821.89	N.A.	96.10
0-90	2935.05	N.A.	100.00
10-90	2850.85	N.A.	97.10
20-40	847.97	N.A.	28.90
20-50	1345.12	N.A.	45.80
40-70	1356.49	N.A.	46.20
60-80	679.77	N.A.	23.20
70-80	287.95	N.A.	9.80
80-90	113.16	N.A.	3.90
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	2935.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	84.20
10-20	245.28
20-30	379.95
30-40	468.02
40-50	497.15
50-60	467.52
60-70	391.82
70-80	287.95
80-90	113.16
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

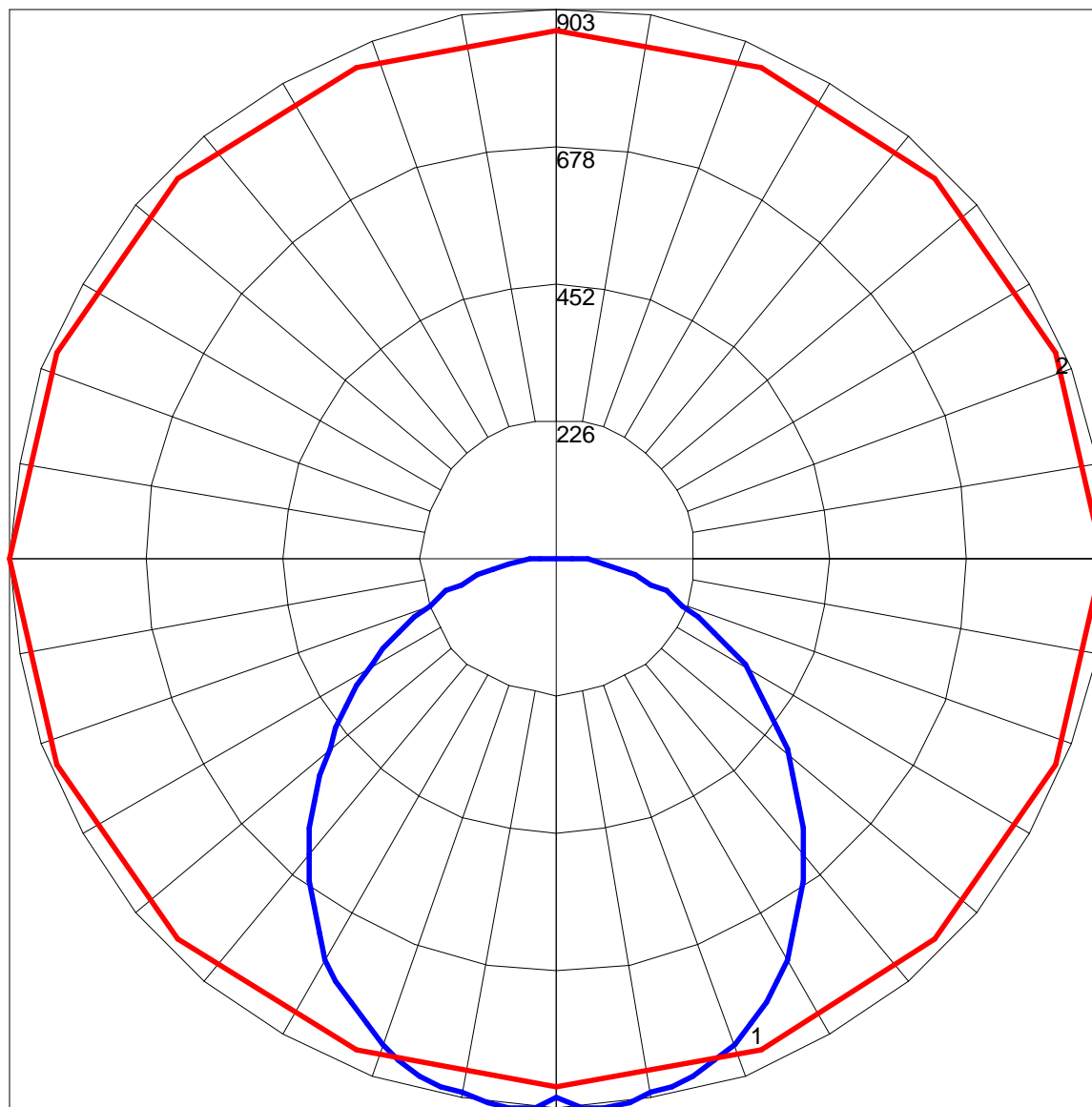
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	95	91	95	92	88	91	88	86	88	85	83	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	59	53	48	46
5	73	60	50	43	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	44	38	66	53	44	38	51	43	37	49	42	37	48	41	36	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

POLAR GRAPH



Maximum Candela = 903.446 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.)