



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-PL-SS-30.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]  
[TESTLAB]DEKKO  
[ISSUE DATE]06-19-2017  
[TEST DATE]03/08/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMCAT] LDI-4-LED-PL-SS-30  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Outdoor  
[ABSOLUTE LUMENS]

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3820
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	38.4
Ballast Factor	1.00
CIE Type	Semi-Indirect
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	600	686	854
55	517	676	932
65	177	538	957
75	86	225	653
85	254	445	509

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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	143.778	143.778	143.778	143.778	143.778
2.5	146.870	145.324	143.778	143.005	141.459
5.0	147.643	145.324	144.551	143.005	142.232
7.5	147.643	146.097	144.551	143.005	142.232
10.0	147.643	145.324	144.551	143.005	142.232
12.5	147.643	145.324	144.551	144.551	144.551
15.0	146.870	145.324	144.551	146.870	146.870
17.5	146.870	144.551	145.324	149.189	149.962
20.0	146.870	143.778	146.097	151.508	153.054
22.5	146.097	143.778	146.870	154.600	156.146
25.0	144.551	142.232	147.643	156.146	159.238
27.5	143.778	141.459	148.416	158.465	163.103
30.0	142.232	139.913	148.416	160.011	166.195
32.5	139.913	138.367	148.416	161.557	169.287
35.0	136.821	136.048	147.643	162.330	170.833
37.5	133.729	132.956	145.324	162.330	172.379
40.0	129.091	128.318	143.005	161.557	172.379
42.5	123.680	124.453	139.913	159.238	170.833
45.0	118.269	118.269	135.275	155.373	168.514
47.5	111.312	112.085	129.864	150.735	164.649
50.0	104.355	105.901	123.680	145.324	160.784
52.5	94.306	97.398	115.950	138.367	155.373
55.0	82.711	87.349	108.220	131.410	149.189
57.5	68.024	75.754	99.717	122.907	141.459
60.0	51.018	61.840	88.895	114.404	132.956
62.5	33.239	46.380	77.300	104.355	122.907
65.0	20.871	31.693	63.386	93.533	112.858
67.5	13.914	21.644	47.926	81.165	102.809
70.0	10.049	17.006	32.466	66.478	92.760
72.5	7.730	13.914	21.644	49.472	78.846
75.0	6.184	11.595	16.233	30.147	47.153
77.5	5.411	10.822	13.141	17.779	29.374
80.0	6.184	10.049	11.595	13.914	20.098
82.5	6.184	9.276	10.822	12.368	14.687
85.0	6.184	8.503	10.822	11.595	12.368
87.5	5.411	9.276	11.595	13.141	13.141
90.0	4.638	10.822	16.233	13.914	13.914
92.5	17.006	54.883	55.656	41.742	44.061
95.0	35.558	93.533	123.680	180.109	156.919
97.5	57.975	132.956	193.250	200.980	184.747
100.0	84.257	180.882	279.826	303.789	300.697
102.5	112.858	238.084	359.445	440.610	430.561
105.0	146.097	298.378	438.291	531.051	554.241
107.5	180.882	351.715	510.953	614.535	656.277
110.0	217.213	392.684	564.290	660.142	694.927
112.5	252.771	426.696	607.578	698.792	732.804
115.0	289.102	452.205	637.725	736.669	766.816
117.5	324.660	476.941	659.369	769.135	800.828
120.0	360.218	498.585	677.921	787.687	826.337
122.5	394.230	514.818	694.154	800.828	837.932
125.0	428.242	530.278	706.522	809.331	845.662
127.5	458.389	545.738	715.798	815.515	848.754
130.0	490.082	559.652	721.982	818.607	851.846
132.5	517.910	572.793	725.074	817.061	849.527

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**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	543.419	585.934	724.301	813.196	844.116
<b>137.5</b>	568.155	599.075	721.982	809.331	837.159
<b>140.0</b>	589.026	611.443	716.571	801.601	828.656
<b>142.5</b>	607.578	623.811	710.387	790.006	817.061
<b>145.0</b>	626.130	636.952	703.430	776.865	802.374
<b>147.5</b>	642.363	649.320	695.700	759.859	784.595
<b>150.0</b>	656.277	660.142	690.289	742.853	766.043
<b>152.5</b>	667.872	670.191	686.424	725.847	745.172
<b>155.0</b>	678.694	678.694	685.651	711.160	725.847
<b>157.5</b>	685.651	685.651	686.424	700.338	709.614
<b>160.0</b>	692.608	691.835	689.516	694.154	698.792
<b>162.5</b>	697.246	696.473	692.608	691.835	693.381
<b>165.0</b>	701.111	699.565	694.927	693.381	692.608
<b>167.5</b>	701.884	700.338	695.700	693.381	691.062
<b>170.0</b>	703.430	701.111	696.473	692.608	691.062
<b>172.5</b>	702.657	701.111	696.473	691.835	690.289
<b>175.0</b>	702.657	700.338	695.700	691.835	688.743
<b>177.5</b>	701.884	698.792	694.154	690.289	687.970
<b>180.0</b>	693.381	693.381	693.381	693.381	693.381

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	55.23	N.A.	1.40
0-30	124.49	N.A.	3.30
0-40	218.26	N.A.	5.70
0-60	422.59	N.A.	11.10
0-80	511.38	N.A.	13.40
0-90	523.37	N.A.	13.70
10-90	509.58	N.A.	13.30
20-40	163.03	N.A.	4.30
20-50	269.28	N.A.	7.00
40-70	268.11	N.A.	7.00
60-80	88.79	N.A.	2.30
70-80	25.01	N.A.	0.70
80-90	11.99	N.A.	0.30
90-110	542.40	N.A.	14.20
90-120	1122.56	N.A.	29.40
90-130	1722.31	N.A.	45.10
90-150	2710.92	N.A.	71.00
90-180	3296.36	N.A.	86.30
110-180	2753.96	N.A.	72.10
0-180	3819.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	13.79
10-20	41.44
20-30	69.27
30-40	93.76
40-50	106.25
50-60	98.08
60-70	63.78
70-80	25.01
80-90	11.99
90-100	124.39
100-110	418.01
110-120	580.16
120-130	599.74
130-140	544.53
140-150	444.08
150-160	321.94
160-170	197.06
170-180	66.44

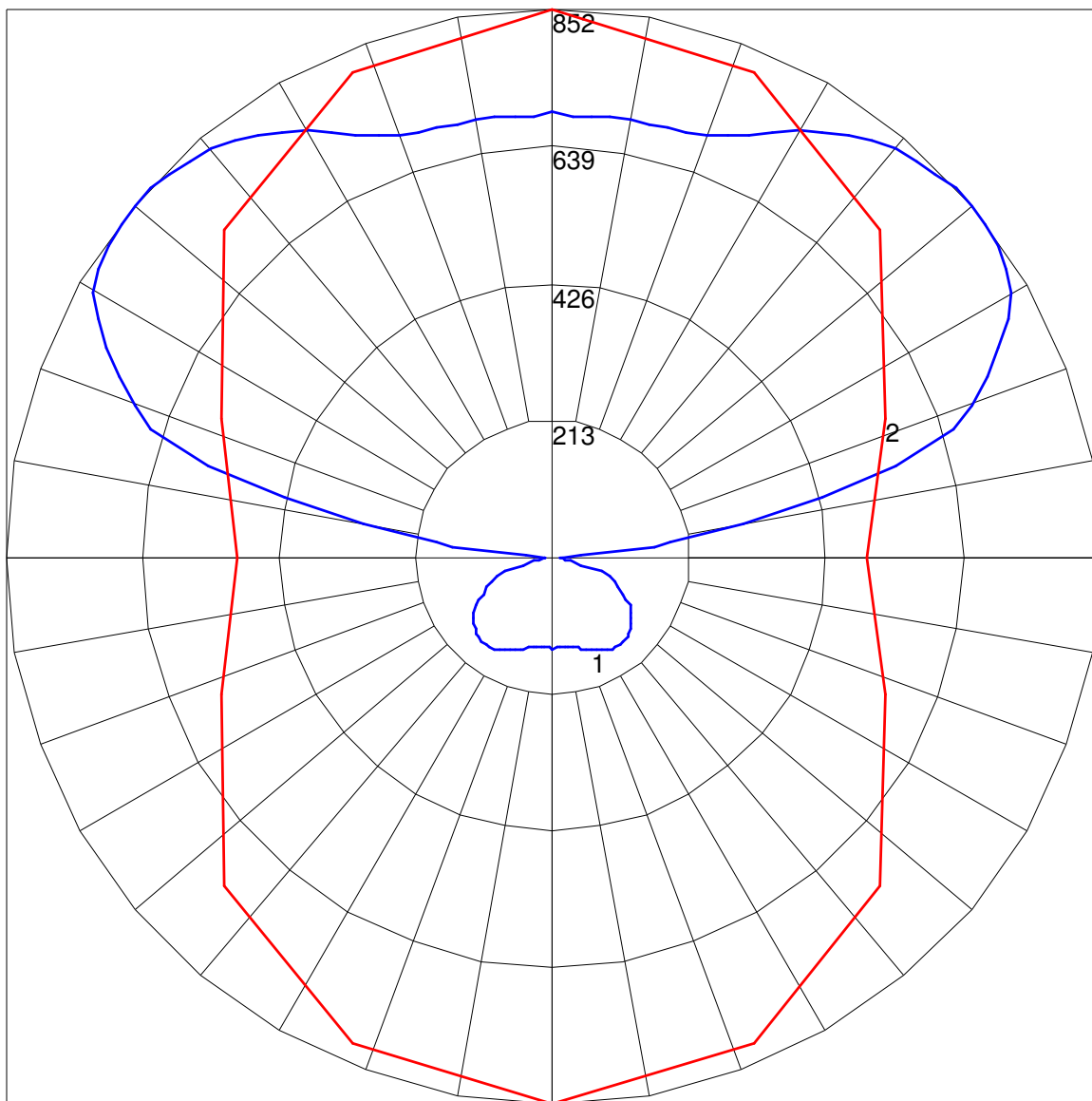
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	98	98	98	98	86	86	86	86	63	63	63	42	42	42	23	23	23	14
1	90	86	82	79	78	75	72	69	55	53	51	37	36	35	20	20	19	11
2	82	75	69	64	71	65	61	57	48	45	42	32	30	29	18	17	16	10
3	74	65	58	53	65	57	52	47	42	39	35	28	26	24	15	14	13	8
4	68	58	50	44	59	51	44	40	37	33	30	25	23	21	14	12	11	7
5	62	51	43	38	54	45	38	34	33	29	26	22	20	18	12	11	10	6
6	57	45	38	32	49	40	34	29	30	25	22	20	17	15	11	10	9	5
7	52	41	33	28	46	36	29	25	27	22	19	18	15	13	10	9	7	4
8	48	37	29	24	42	32	26	22	24	20	17	16	14	12	9	8	7	4
9	45	33	26	21	39	29	23	19	22	18	15	15	12	10	8	7	6	3
10	42	30	23	19	36	27	21	17	20	16	13	14	11	9	8	6	5	3

POLAR GRAPH



Maximum Candela = 851.846 Located At Horizontal Angle = 90, Vertical Angle = 130  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (130) (Through Max. Cd.)