



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-5050-PL-VHO-30.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]  
[TESTLAB]Dekko  
[ISSUE DATE]06-19-2017  
[TEST DATE]03/07/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMCAT] LDI-4-LED-5050-PL-VHO-30  
[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	3869
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	56
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	2475	2526	2939
55	2014	2312	2946
65	626	1728	3190
75	234	490	2098
85	285	411	727

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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	775.152	775.152	775.152	775.152	775.152
2.5	793.608	781.304	775.921	769.769	764.386
5.0	792.839	779.766	772.845	766.693	761.310
7.5	788.994	775.921	768.231	761.310	756.696
10.0	782.842	769.000	761.310	754.389	749.006
12.5	773.614	759.772	751.313	745.930	741.316
15.0	762.848	748.237	739.778	737.471	734.395
17.5	750.544	734.395	726.705	728.243	727.474
20.0	735.933	719.015	712.094	718.246	720.553
22.5	720.553	702.097	696.714	708.249	713.632
25.0	702.097	684.410	680.565	697.483	705.173
27.5	682.103	664.416	663.647	685.179	695.945
30.0	660.571	642.115	645.191	670.568	685.179
32.5	637.501	617.507	625.197	654.419	672.875
35.0	612.124	592.130	602.896	636.732	659.033
37.5	582.902	565.215	579.826	616.738	643.653
40.0	552.911	535.993	553.680	595.206	623.659
42.5	521.382	506.002	526.765	570.598	603.665
45.0	488.315	473.704	498.312	543.683	579.826
47.5	453.710	440.637	468.321	516.768	555.218
50.0	415.260	404.494	436.792	487.546	529.072
52.5	373.734	366.044	402.956	457.555	501.388
55.0	322.211	323.749	369.889	426.026	471.397
57.5	262.229	272.226	333.746	394.497	441.406
60.0	194.557	217.627	296.065	362.968	410.646
62.5	123.040	156.876	253.001	331.439	388.345
65.0	73.824	99.970	203.785	302.986	376.041
67.5	48.447	62.289	149.955	266.843	340.667
70.0	33.067	42.295	97.663	214.551	300.679
72.5	23.070	29.991	58.444	153.031	242.235
75.0	16.918	22.301	35.374	90.742	151.493
77.5	12.304	17.687	24.608	49.985	94.587
80.0	9.997	13.842	17.687	27.684	54.599
82.5	9.228	11.535	13.073	18.456	30.760
85.0	6.921	9.228	9.997	12.304	17.687
87.5	6.152	8.459	8.459	9.228	10.766
90.0	9.228	15.380	19.994	17.687	15.380
92.5	25.377	46.909	89.973	111.505	48.447
95.0	45.371	63.827	156.876	95.356	76.900
97.5	69.210	95.356	147.648	280.685	190.712
100.0	96.125	123.040	181.484	176.101	170.718
102.5	124.578	144.572	168.411	207.630	198.402
105.0	153.800	163.797	190.712	196.864	239.928
107.5	187.636	184.560	205.323	208.399	223.779
110.0	212.244	200.709	212.244	222.241	233.776
112.5	230.700	226.086	232.238	243.004	246.849
115.0	272.226	240.697	262.229	257.615	259.153
117.5	295.296	258.384	273.764	273.764	272.995
120.0	306.062	281.454	281.454	290.682	286.837
122.5	339.898	311.445	299.141	305.293	300.679
125.0	371.427	336.053	316.828	320.673	314.521
127.5	389.883	345.281	331.439	338.360	327.594
130.0	405.263	349.895	344.512	350.664	340.667
132.5	422.950	370.658	357.585	362.968	352.971

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**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	438.330	400.649	376.810	373.734	366.044
<b>137.5</b>	452.172	433.716	396.035	382.962	379.117
<b>140.0</b>	464.476	455.248	410.646	390.652	389.883
<b>142.5</b>	484.470	468.321	417.567	397.573	403.725
<b>145.0</b>	499.081	482.163	424.488	403.725	414.491
<b>147.5</b>	513.692	498.312	432.178	417.567	422.950
<b>150.0</b>	527.534	512.923	452.172	431.409	430.640
<b>152.5</b>	532.148	522.151	479.087	442.944	439.099
<b>155.0</b>	533.686	528.303	496.005	459.093	445.251
<b>157.5</b>	535.224	533.686	507.540	483.701	458.324
<b>160.0</b>	538.300	535.993	515.999	497.543	481.394
<b>162.5</b>	540.607	539.069	529.072	505.233	491.391
<b>165.0</b>	542.145	541.376	535.993	521.382	506.771
<b>167.5</b>	542.914	542.914	537.531	532.917	525.996
<b>170.0</b>	542.914	542.145	538.300	534.455	529.841
<b>172.5</b>	542.145	541.376	537.531	534.455	529.841
<b>175.0</b>	541.376	539.838	535.993	532.148	529.072
<b>177.5</b>	539.838	538.300	533.686	529.841	527.534
<b>180.0</b>	532.917	532.917	532.917	532.917	532.917

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	283.39	N.A.	7.30
0-30	602.13	N.A.	15.60
0-40	987.65	N.A.	25.50
0-60	1718.87	N.A.	44.40
0-80	1995.41	N.A.	51.60
0-90	2010.4	N.A.	52.00
10-90	1936.87	N.A.	50.10
20-40	704.25	N.A.	18.20
20-50	1099.08	N.A.	28.40
40-70	938.18	N.A.	24.30
60-80	276.54	N.A.	7.10
70-80	69.58	N.A.	1.80
80-90	14.98	N.A.	0.40
90-110	308.88	N.A.	8.00
90-120	560.33	N.A.	14.50
90-130	851.92	N.A.	22.00
90-150	1429.68	N.A.	37.00
90-180	1858.19	N.A.	48.00
110-180	1549.31	N.A.	40.00
0-180	3868.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	73.52
10-20	209.87
20-30	318.74
30-40	385.51
40-50	394.83
50-60	336.39
60-70	206.96
70-80	69.58
80-90	14.98
90-100	112.71
100-110	196.17
110-120	251.44
120-130	291.59
130-140	299.93
140-150	277.83
150-160	227.68
160-170	149.62
170-180	51.21

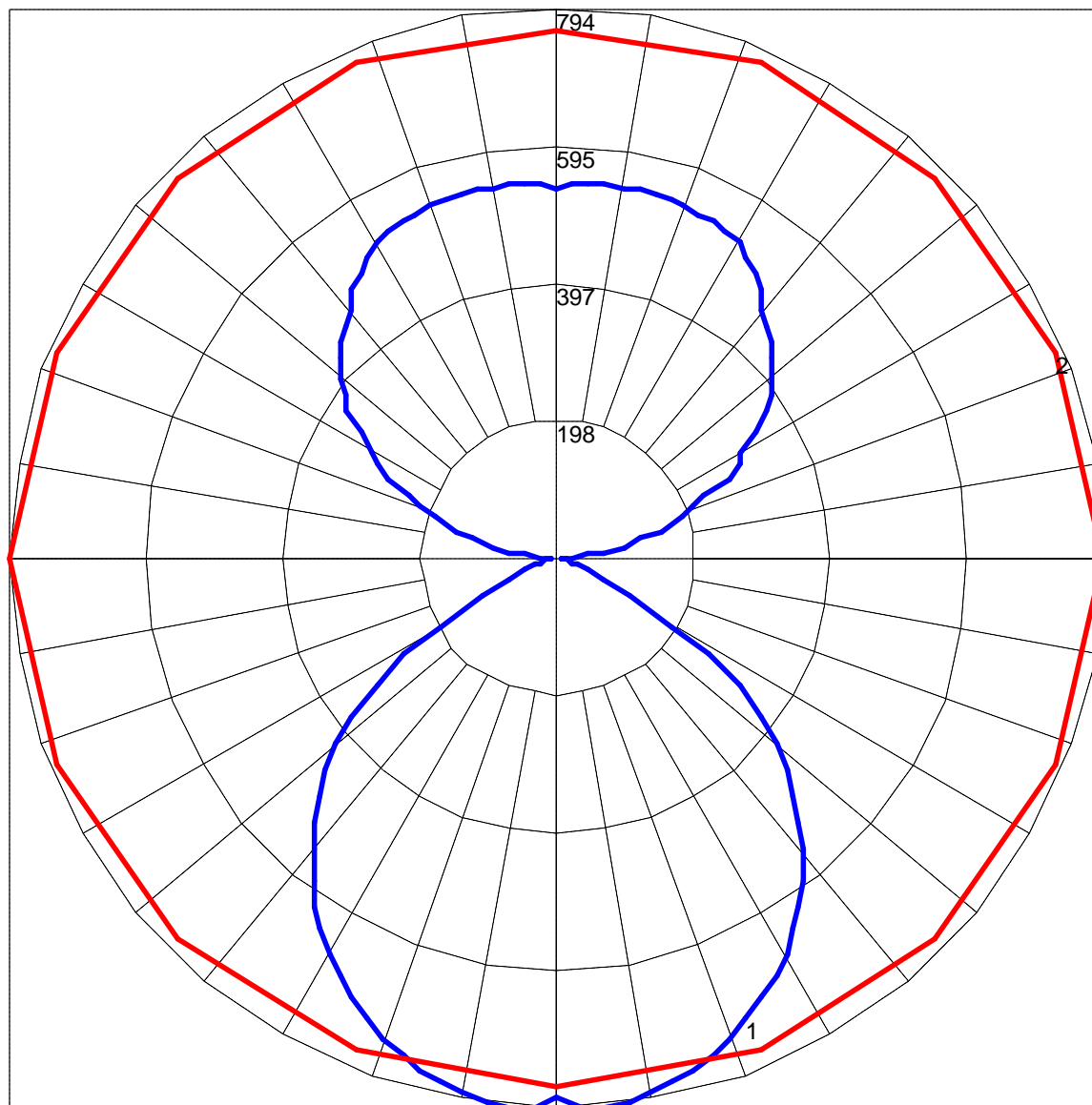
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	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	72	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 = 793.608 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.)

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