



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-5050-FB-HO-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LDI LED 4 FB HO WW S UE 50 50  
[TESTLAB] Dekko  
[TESTDATE] 03-17-2017  
[ISSUE DATE] 06-19-2017  
[MANUFACTURER] LSI INDUSTRIES, INC  
[\_SEARCH\_SOURCETYPE] LED  
[\_SEARCH\_APPLICATION] Outdoor  
[OTHER] TEST PROCEDURE: IESNA LM-79-08  
[\_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED  
[LUMCAT] LDI-4-LED-5050-FB-HO-35

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5904
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	50.1
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	3321	2505	2347
55	3123	2023	1815
65	2600	1510	1359
75	1575	1135	1098
85	582	1483	1024

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**CANDELA TABULATION**

	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
<b>0</b>	999.679	999.679	999.679	999.679	999.679	999.679	999.679	999.679	999.679	999.679
<b>10</b>	941.806	948.565	949.273	947.363	945.032	943.153	942.840	944.609	946.809	950.753
<b>20</b>	893.562	894.781	884.796	868.877	854.444	843.002	837.123	835.919	840.127	846.231
<b>30</b>	828.823	823.801	796.911	766.753	734.980	713.384	700.271	696.339	701.218	709.213
<b>40</b>	724.834	712.856	674.763	631.211	593.077	563.184	543.327	536.406	541.368	550.797
<b>50</b>	585.516	568.267	522.280	471.474	426.492	393.813	371.849	363.018	366.482	375.166
<b>60</b>	413.827	394.976	351.419	303.487	255.430	219.180	201.184	198.856	201.092	205.578
<b>70</b>	199.167	192.250	170.963	143.070	121.081	116.210	113.678	112.094	112.848	114.920
<b>80</b>	28.321	32.241	36.095	40.331	45.485	44.936	45.129	44.278	43.153	43.648
<b>90</b>	0.000	2.924	8.714	15.321	26.927	26.909	17.379	14.758	10.080	6.140
<b>100</b>	161.828	173.327	196.910	211.499	226.194	212.675	209.946	189.215	156.597	127.684
<b>110</b>	629.374	661.717	644.837	618.611	595.803	557.736	500.524	428.992	337.499	287.543
<b>120</b>	880.097	906.478	903.805	853.952	797.863	731.085	663.825	576.209	483.488	449.200
<b>130</b>	955.291	961.659	964.170	938.217	881.060	816.030	746.821	667.012	605.656	589.968
<b>140</b>	958.812	962.483	955.288	940.756	908.910	852.929	795.894	744.442	719.334	714.326
<b>150</b>	917.511	917.537	909.828	895.145	875.417	848.623	818.623	798.600	792.258	790.503
<b>160</b>	851.119	850.838	850.164	843.838	835.697	827.708	822.360	822.296	822.915	824.560
<b>170</b>	824.955	822.324	824.060	827.197	829.031	830.532	831.114	832.757	829.617	825.494
<b>180</b>	827.892	824.115	821.888	820.862	819.950	820.443	819.217	817.712	808.819	804.783

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	348.66	N.A.	5.90
0-30	719.76	N.A.	12.20
0-40	1143.33	N.A.	19.40
0-60	1866.64	N.A.	31.60
0-80	2163.71	N.A.	36.60
0-90	2193.64	N.A.	37.20
10-90	2100.78	N.A.	35.60
20-40	794.67	N.A.	13.50
20-50	1199.02	N.A.	20.30
40-70	925.94	N.A.	15.70
60-80	297.08	N.A.	5.00
70-80	94.44	N.A.	1.60
80-90	29.93	N.A.	0.50
90-110	495.48	N.A.	8.40
90-120	1123.34	N.A.	19.00
90-130	1817.87	N.A.	30.80
90-150	3004.64	N.A.	50.90
90-180	3710.39	N.A.	62.80
110-180	3214.91	N.A.	54.50
0-180	5904.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	92.86
10-20	255.80
20-30	371.11
30-40	423.57
40-50	404.35
50-60	318.96
60-70	202.64
70-80	94.44
80-90	29.93
90-100	111.97
100-110	383.51
110-120	627.86
120-130	694.53
130-140	648.38
140-150	538.39
150-160	391.47
160-170	235.68
170-180	78.60

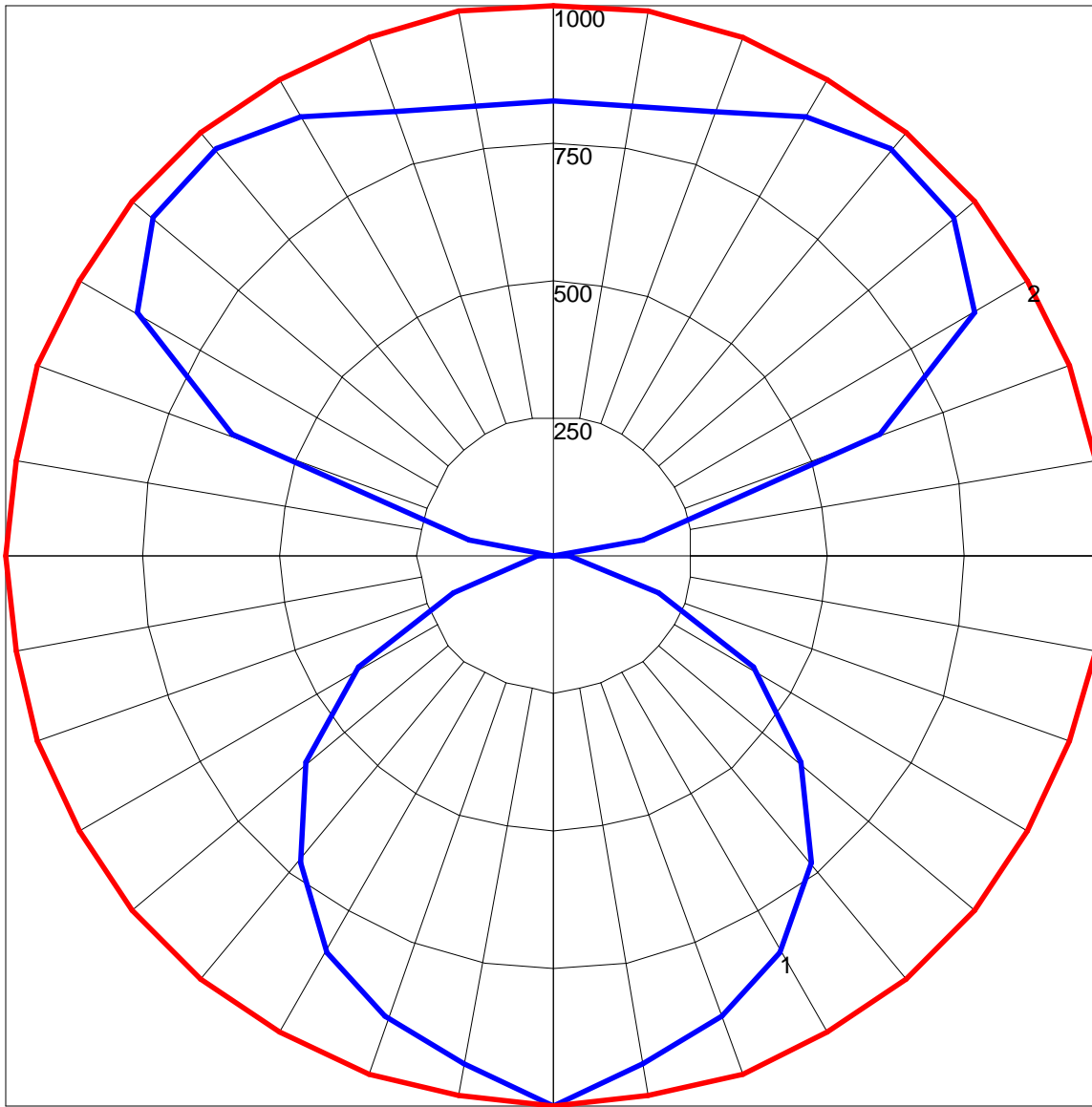
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44	37
1	95	91	87	84	86	83	80	77	67	65	63	53	51	50	40	39	38	32
2	87	80	74	69	79	73	68	64	59	56	53	47	44	42	35	34	32	27
3	79	70	63	58	72	64	58	53	52	48	45	42	39	36	31	30	28	23
4	73	62	55	49	66	57	50	45	47	42	38	37	34	31	28	26	24	20
5	67	56	48	42	60	51	44	39	42	37	33	33	30	27	26	23	21	18
6	62	50	42	37	56	46	39	34	38	33	29	30	27	24	23	21	19	16
7	57	45	37	32	52	41	35	30	34	29	25	28	24	21	21	19	17	14
8	53	41	33	28	48	38	31	26	31	26	23	25	22	19	20	17	15	13
9	49	37	30	25	45	34	28	24	29	24	20	23	20	17	18	16	14	11
10	46	34	27	23	42	31	25	21	26	22	18	21	18	15	17	14	12	10

POLAR GRAPH



Maximum Candela = 999.679 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)