



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-5050-FB-SS-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LDI LED 4 FB SS NW 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-SS-40

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5245
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	38
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	2951	2225	2085
55	2774	1797	1612
65	2309	1341	1207
75	1399	1008	976
85	517	1318	910

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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>
0	888.087	888.087	888.087	888.087	888.087	888.087	888.087	888.087	888.087	888.087
10	836.674	842.678	843.308	841.611	839.540	837.871	837.592	839.165	841.119	844.623
20	793.815	794.898	786.028	771.886	759.065	748.900	743.677	742.607	746.345	751.768
30	736.303	731.842	707.954	681.162	652.936	633.750	622.102	618.609	622.943	630.045
40	643.922	633.281	599.441	560.750	526.873	500.317	482.676	476.528	480.936	489.313
50	520.156	504.833	463.979	418.845	378.884	349.852	330.340	322.495	325.572	333.287
60	367.632	350.885	312.191	269.609	226.917	194.714	178.726	176.658	178.645	182.630
70	176.934	170.790	151.879	127.100	107.565	103.238	100.989	99.581	100.251	102.092
80	25.159	28.642	32.066	35.829	40.408	39.920	40.091	39.335	38.336	38.776
90	0.000	2.598	7.742	13.611	23.921	23.905	15.439	13.111	8.955	5.454
100	143.763	153.979	174.929	187.890	200.944	188.934	186.510	168.093	139.116	113.431
110	559.118	587.851	572.855	549.557	529.295	495.477	444.652	381.105	299.825	255.445
120	781.854	805.290	802.915	758.627	708.799	649.476	589.723	511.888	429.517	399.056
130	848.654	854.311	856.542	833.486	782.709	724.938	663.455	592.555	538.048	524.111
140	851.782	855.043	848.651	835.741	807.450	757.718	707.050	661.341	639.036	634.588
150	815.091	815.114	808.265	795.222	777.696	753.893	727.242	709.454	703.820	702.260
160	756.110	755.860	755.262	749.642	742.410	735.313	730.562	730.505	731.055	732.516
170	732.867	730.530	732.072	734.859	736.488	737.822	738.339	739.798	737.009	733.346
180	735.476	732.121	730.143	729.231	728.421	728.859	727.770	726.433	718.532	714.947

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	309.74	N.A.	5.90
0-30	639.42	N.A.	12.20
0-40	1015.71	N.A.	19.40
0-60	1658.27	N.A.	31.60
0-80	1922.18	N.A.	36.60
0-90	1948.77	N.A.	37.20
10-90	1866.27	N.A.	35.60
20-40	705.97	N.A.	13.50
20-50	1065.18	N.A.	20.30
40-70	822.58	N.A.	15.70
60-80	263.91	N.A.	5.00
70-80	83.90	N.A.	1.60
80-90	26.59	N.A.	0.50
90-110	440.17	N.A.	8.40
90-120	997.94	N.A.	19.00
90-130	1614.94	N.A.	30.80
90-150	2669.23	N.A.	50.90
90-180	3296.2	N.A.	62.80
110-180	2856.03	N.A.	54.50
0-180	5244.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	82.50
10-20	227.24
20-30	329.68
30-40	376.29
40-50	359.21
50-60	283.35
60-70	180.02
70-80	83.90
80-90	26.59
90-100	99.47
100-110	340.70
110-120	557.77
120-130	617.00
130-140	576.00
140-150	478.29
150-160	347.77
160-170	209.37
170-180	69.82

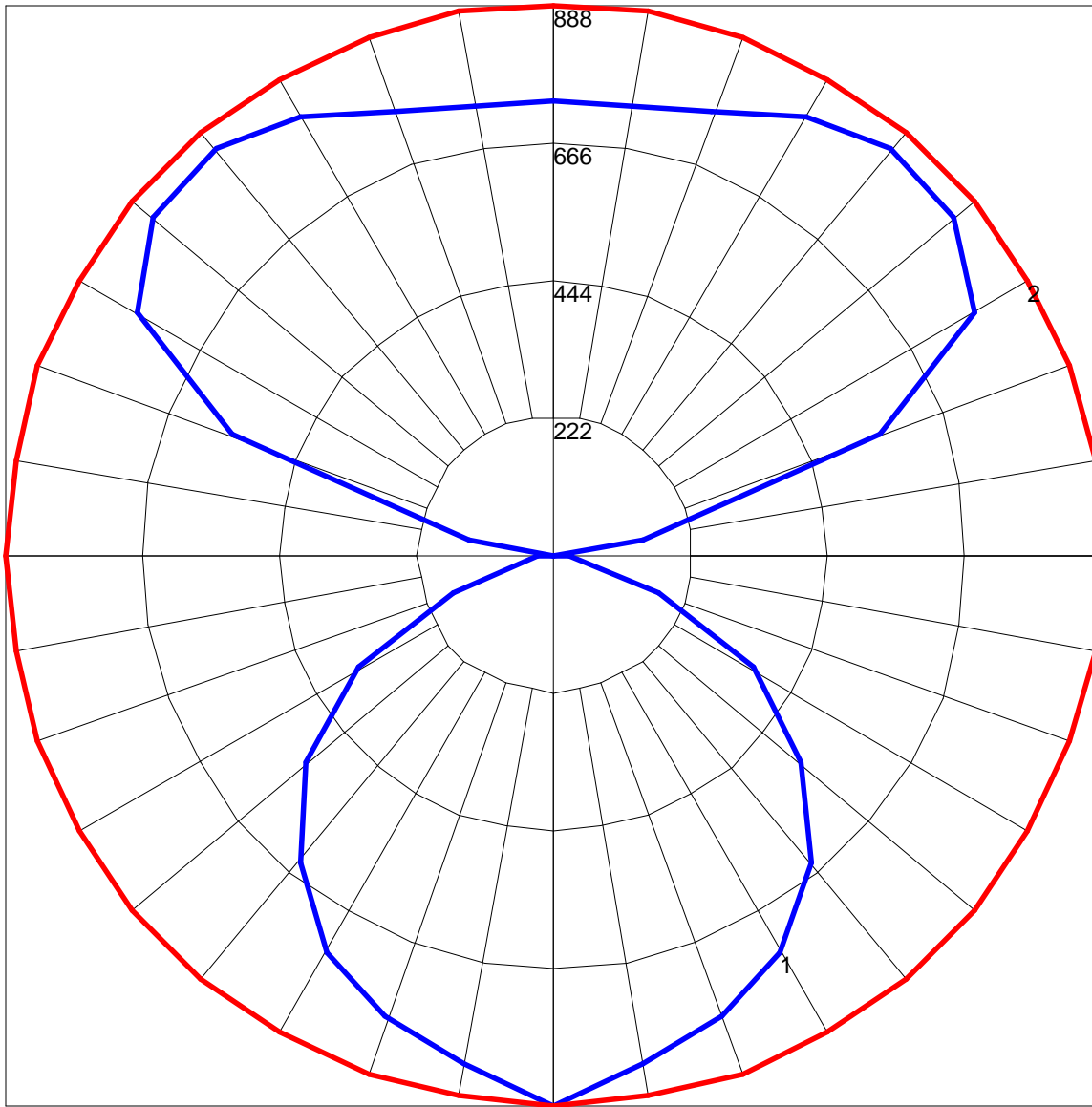
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	21	18	21	18	15	17	14	12	10

POLAR GRAPH



Maximum Candela = 888.087 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.)