



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-5050-PB-VHO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LDI LED 4 PB VHO NW S UE 50 50
[TESTLAB] Dekko
[TESTDATE] 03-20-2017
[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-PB-VHO-40

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7092
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	71.4
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	3989	3009	2819
55	3751	2430	2180
65	3123	1813	1633
75	1892	1363	1319
85	700	1782	1230

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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	1200.777	1200.777	1200.777	1200.777	1200.777	1200.777	1200.777	1200.777	1200.777	1200.777
10	1131.262	1139.380	1140.232	1137.937	1135.137	1132.881	1132.504	1134.630	1137.272	1142.009
20	1073.313	1074.778	1062.784	1043.663	1026.327	1012.583	1005.521	1004.075	1009.129	1016.461
30	995.552	989.519	957.220	920.995	882.831	856.890	841.140	836.417	842.277	851.880
40	870.643	856.256	810.500	758.187	712.382	676.476	652.624	644.311	650.271	661.597
50	703.300	682.582	627.343	566.317	512.286	473.033	446.651	436.044	440.205	450.636
60	497.073	474.430	422.112	364.537	306.813	263.271	241.655	238.859	241.544	246.932
70	239.231	230.924	205.354	171.851	145.438	139.587	136.546	134.643	135.549	138.038
80	34.018	38.727	43.356	48.445	54.635	53.975	54.207	53.185	51.834	52.429
90	0.000	3.512	10.467	18.403	32.343	32.322	20.875	17.727	12.108	7.375
100	194.382	208.194	236.521	254.045	271.696	255.457	252.179	227.278	188.098	153.370
110	755.980	794.829	774.554	743.052	715.656	669.931	601.211	515.289	405.392	345.386
120	1057.140	1088.827	1085.617	1025.735	958.364	878.152	797.361	692.121	580.747	539.562
130	1147.461	1155.109	1158.125	1126.951	1058.296	980.185	897.054	801.190	727.491	708.647
140	1151.690	1156.098	1147.456	1130.001	1091.749	1024.507	955.998	894.196	864.037	858.022
150	1102.080	1102.111	1092.851	1075.215	1051.519	1019.334	983.299	959.249	951.631	949.522
160	1022.332	1021.994	1021.186	1013.587	1003.808	994.212	987.789	987.711	988.455	990.431
170	990.905	987.745	989.830	993.598	995.801	997.604	998.304	1000.277	996.505	991.553
180	994.433	989.896	987.222	985.989	984.893	985.486	984.013	982.205	971.523	966.675

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	418.80	N.A.	5.90
0-30	864.55	N.A.	12.20
0-40	1373.33	N.A.	19.40
0-60	2242.14	N.A.	31.60
0-80	2598.97	N.A.	36.60
0-90	2634.92	N.A.	37.20
10-90	2523.38	N.A.	35.60
20-40	954.53	N.A.	13.50
20-50	1440.22	N.A.	20.30
40-70	1112.21	N.A.	15.70
60-80	356.84	N.A.	5.00
70-80	113.44	N.A.	1.60
80-90	35.95	N.A.	0.50
90-110	595.15	N.A.	8.40
90-120	1349.31	N.A.	19.00
90-130	2183.56	N.A.	30.80
90-150	3609.06	N.A.	50.90
90-180	4456.78	N.A.	62.80
110-180	3861.63	N.A.	54.50
0-180	7091.7	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	111.54
10-20	307.25
20-30	445.76
30-40	508.78
40-50	485.69
50-60	383.12
60-70	243.40
70-80	113.44
80-90	35.95
90-100	134.49
100-110	460.66
110-120	754.16
120-130	834.25
130-140	778.81
140-150	646.69
150-160	470.22
160-170	283.09
170-180	94.41

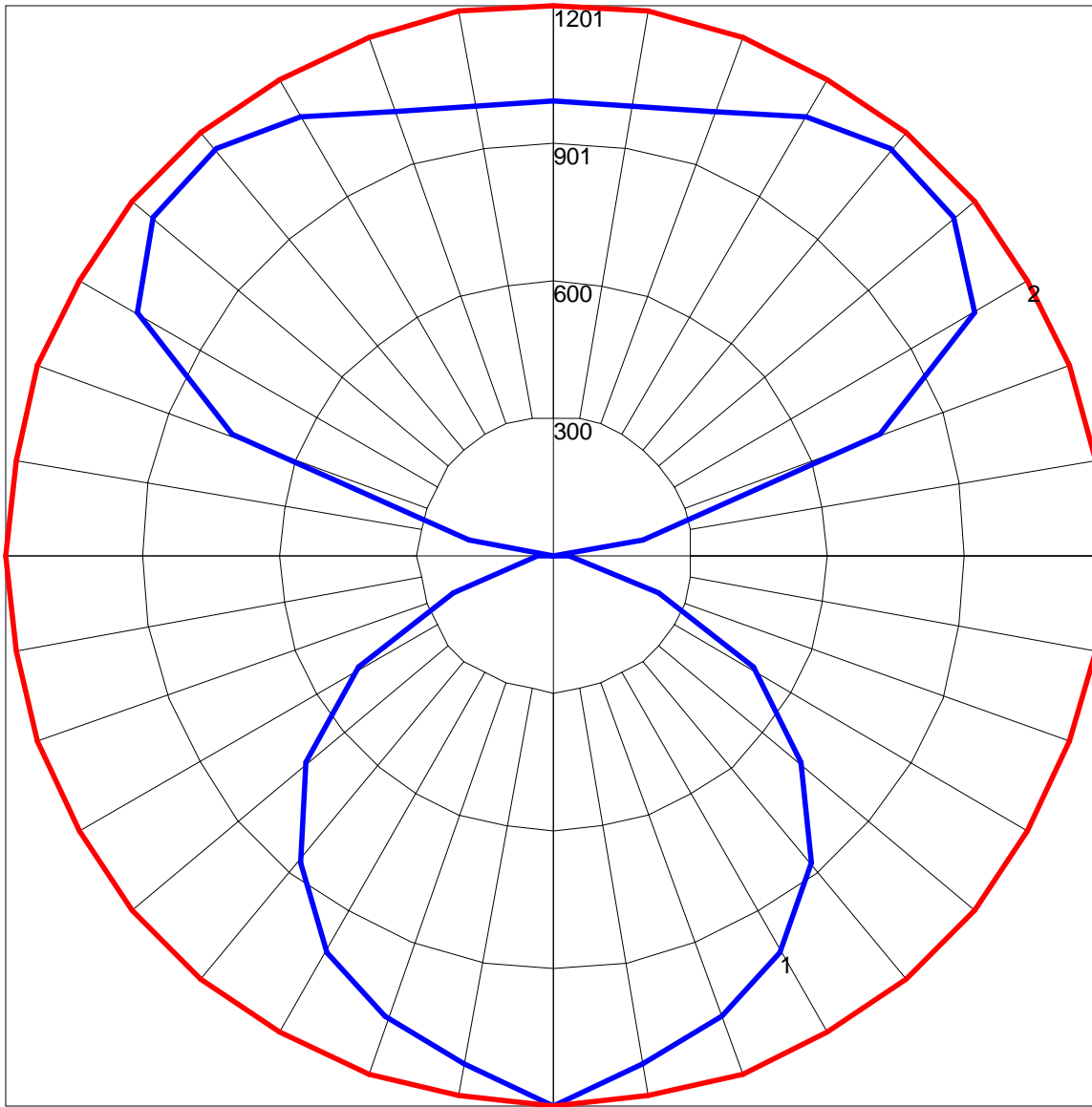
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1200.777 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.)