



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-100-PB-HO-30.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LDI LED 4 PB HO SW S UE 0 100  
[TESTLAB] Dekko  
[TESTDATE] 03-20-2017  
[ISSUEDATE] 06-19-2017  
[MANUFAC] 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-100-PB-HO-30

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4123
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	50.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.04
Spacing Criterion (Diagonal)	1.20
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	6139	4664	4222
55	5777	3834	3254
65	4943	2939	2500
75	3283	2212	2081
85	1654	1918	1828

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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>	1941.698	1941.698	1941.698	1941.698	1941.698	1941.698	1941.698	1941.698	1941.698	1941.698
<b>10</b>	1856.348	1851.309	1840.626	1833.439	1825.038	1819.405	1812.706	1811.532	1812.429	1810.963
<b>20</b>	1729.872	1719.262	1693.048	1660.918	1631.175	1607.379	1592.260	1585.003	1586.886	1590.345
<b>30</b>	1567.318	1545.477	1495.713	1432.457	1385.277	1342.324	1315.220	1303.038	1304.567	1309.546
<b>40</b>	1345.271	1313.909	1245.406	1171.768	1100.774	1046.872	1010.532	993.522	992.276	1000.663
<b>50</b>	1076.732	1038.287	959.534	873.324	796.795	735.617	693.411	668.168	664.804	665.063
<b>60</b>	771.897	735.389	654.923	567.210	495.725	425.856	385.518	375.041	374.527	376.228
<b>70</b>	393.710	374.942	335.273	283.710	238.645	225.690	219.404	214.200	213.018	213.337
<b>80</b>	80.408	82.854	85.031	86.810	87.043	87.561	88.041	88.836	87.790	87.209
<b>90</b>	0.000	0.000	0.000	2.253	5.432	6.515	5.652	4.255	2.662	1.680

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	670.82	N.A.	16.30
0-30	1372.8	N.A.	33.30
0-40	2161.9	N.A.	52.40
0-60	3500.91	N.A.	84.90
0-80	4074.01	N.A.	98.80
0-90	4122.83	N.A.	100.00
10-90	3942.97	N.A.	95.60
20-40	1491.08	N.A.	36.20
20-50	2237.51	N.A.	54.30
40-70	1724.84	N.A.	41.80
60-80	573.09	N.A.	13.90
70-80	187.26	N.A.	4.50
80-90	48.82	N.A.	1.20
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4122.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	179.86
10-20	490.97
20-30	701.97
30-40	789.11
40-50	746.43
50-60	592.58
60-70	385.83
70-80	187.26
80-90	48.82
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

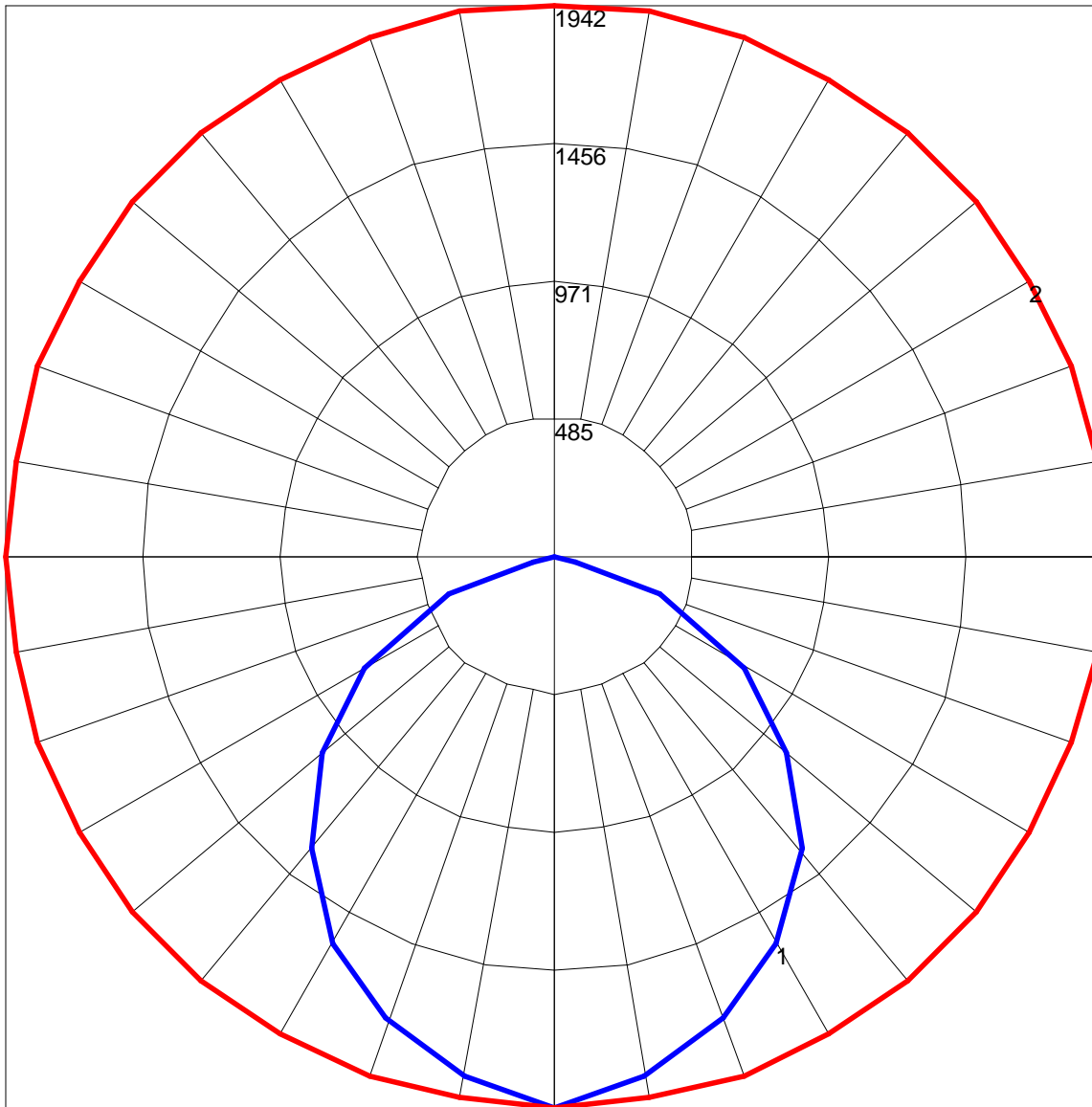
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	48
6	73	60	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43
7	68	55	47	41	66	54	46	41	53	46	41	51	45	40	50	44	40	38
8	63	51	42	37	62	50	42	37	49	42	37	47	41	36	46	40	36	34
9	59	47	39	33	58	46	38	33	45	38	33	44	38	33	43	37	33	31
10	56	43	36	30	55	43	35	30	42	35	30	41	35	30	40	34	30	28

POLAR GRAPH



Maximum Candela = 1941.698 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.)