



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-PB-SS-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LDI LED 4 PB SS NW S UE  
[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-PB-SS-40

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6582
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	173
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	2112	1462	1233
55	2078	1268	1016
65	1812	1035	834
75	1304	927	789
85	1587	1898	1235

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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>	457.844	457.844	457.844	457.844	457.844	457.844	457.844	457.844	457.844	457.844
<b>10</b>	467.507	461.865	457.299	452.497	447.160	442.186	438.345	436.093	434.226	433.171
<b>20</b>	479.365	471.549	460.067	445.438	431.691	418.199	408.589	402.435	399.415	398.104
<b>30</b>	481.305	473.509	450.715	423.033	398.454	378.288	362.705	353.414	349.774	349.507
<b>40</b>	451.073	441.259	406.888	372.549	342.113	315.116	296.894	286.087	282.704	283.379
<b>50</b>	382.026	369.354	335.514	294.601	261.464	234.885	215.208	204.877	201.736	203.084
<b>60</b>	282.860	268.342	237.455	202.952	170.846	144.608	127.340	122.462	121.525	122.017
<b>70</b>	144.366	138.668	124.666	106.854	89.177	83.359	80.419	77.303	75.470	74.696
<b>80</b>	44.007	44.937	45.452	45.809	47.669	47.642	44.293	42.002	40.207	39.171
<b>90</b>	33.187	28.861	30.468	34.179	44.421	44.896	35.286	31.394	27.905	20.886
<b>100</b>	455.952	429.336	410.579	338.379	323.908	279.879	267.371	225.794	168.113	112.374
<b>110</b>	1218.358	1186.744	1136.171	1018.298	927.706	790.348	693.597	570.835	404.523	294.024
<b>120</b>	1431.893	1409.016	1355.015	1275.368	1169.582	1055.394	926.486	762.657	591.778	513.146
<b>130</b>	1486.386	1458.852	1414.800	1347.178	1257.092	1151.687	1014.006	878.944	755.363	711.537
<b>140</b>	1441.016	1412.048	1372.902	1319.966	1241.881	1167.229	1058.063	953.048	891.672	871.551
<b>150</b>	1328.280	1308.954	1278.309	1247.854	1189.464	1140.967	1063.779	1014.339	990.972	982.172
<b>160</b>	1187.580	1175.047	1160.613	1148.909	1122.340	1107.806	1087.232	1070.834	1064.400	1057.515
<b>170</b>	1144.135	1134.152	1129.190	1122.896	1118.018	1114.338	1109.877	1107.588	1103.048	1101.318
<b>180</b>	1135.450	1126.809	1123.581	1123.035	1116.688	1118.336	1116.610	1115.361	1115.259	1115.428

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	167.52	N.A.	2.50
0-30	359.90	N.A.	5.50
0-40	594.29	N.A.	9.00
0-60	1031.61	N.A.	15.70
0-80	1244.09	N.A.	18.90
0-90	1286.76	N.A.	19.50
10-90	1243.59	N.A.	18.90
20-40	426.78	N.A.	6.50
20-50	664.32	N.A.	10.10
40-70	574.27	N.A.	8.70
60-80	212.47	N.A.	3.20
70-80	75.53	N.A.	1.10
80-90	42.68	N.A.	0.60
90-110	783.97	N.A.	11.90
90-120	1721.56	N.A.	26.20
90-130	2713.16	N.A.	41.20
90-150	4346.13	N.A.	66.00
90-180	5295.68	N.A.	80.50
110-180	4511.72	N.A.	68.50
0-180	6582.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	43.17
10-20	124.35
20-30	192.38
30-40	234.39
40-50	237.54
50-60	199.78
60-70	136.95
70-80	75.53
80-90	42.68
90-100	183.78
100-110	600.19
110-120	937.59
120-130	991.60
130-140	901.37
140-150	731.61
150-160	525.86
160-170	316.88
170-180	106.82

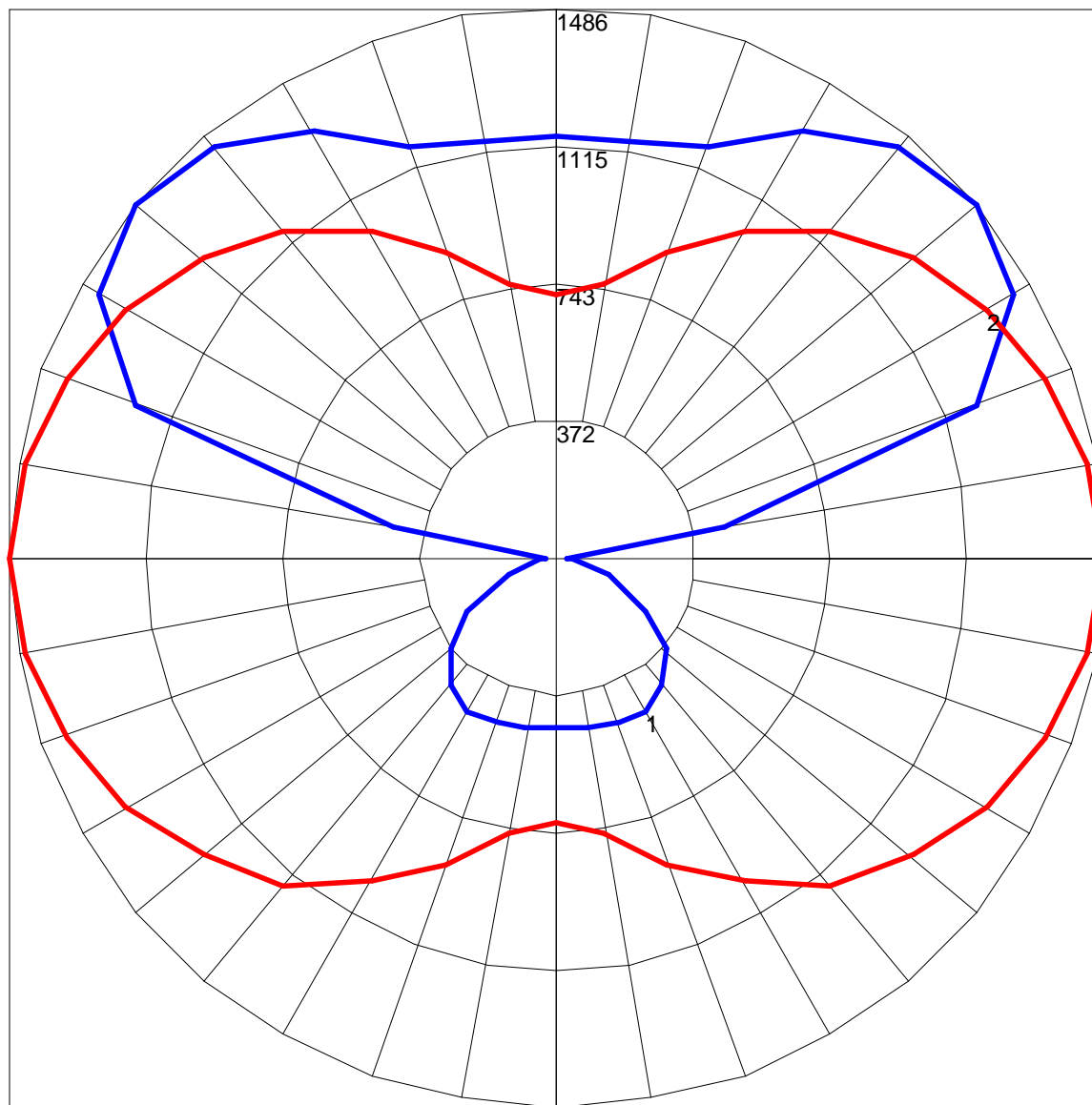
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	20
1	91	87	83	80	80	77	74	71	58	56	54	41	39	38	25	24	24	16
2	83	76	70	65	73	67	62	58	51	47	45	36	34	32	22	21	20	14
3	75	66	59	54	66	59	53	48	45	41	37	31	29	27	19	18	17	12
4	69	59	51	45	60	52	46	41	40	35	32	28	25	23	17	16	14	10
5	63	52	44	39	55	46	40	35	35	31	27	25	22	20	15	14	13	9
6	58	46	39	33	51	41	35	30	32	27	24	22	19	17	14	12	11	8
7	53	42	34	29	47	37	31	26	28	24	21	20	17	15	13	11	10	7
8	49	38	30	25	43	34	27	23	26	21	18	18	15	13	12	10	9	6
9	46	34	27	22	40	30	24	20	23	19	16	17	14	12	11	9	8	5
10	43	31	24	20	38	28	22	18	21	17	14	15	13	11	10	8	7	5

POLAR GRAPH



Maximum Candela = 1486.386 Located At Horizontal Angle = 0, Vertical Angle = 130  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (130) (Through Max. Cd.)