



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-FB-SS-30.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] LDI LED 4 FB SS SW S UE  
 [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-FB-SS-30

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6186
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	163
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	1985	1374	1159
55	1953	1192	955
65	1703	972	784
75	1226	872	741
85	1492	1784	1161

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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>	430.277	430.277	430.277	430.277	430.277	430.277	430.277	430.277	430.277	430.277
<b>10</b>	439.359	434.056	429.765	425.253	420.237	415.562	411.952	409.837	408.082	407.090
<b>20</b>	450.503	443.157	432.367	418.618	405.699	393.020	383.988	378.204	375.367	374.134
<b>30</b>	452.326	444.999	423.578	397.562	374.464	355.511	340.867	332.135	328.714	328.463
<b>40</b>	423.914	414.691	382.390	350.118	321.515	296.143	279.018	268.862	265.683	266.317
<b>50</b>	359.024	347.116	315.313	276.863	245.722	220.743	202.251	192.542	189.590	190.857
<b>60</b>	265.829	252.185	223.158	190.732	160.559	135.901	119.673	115.088	114.208	114.670
<b>70</b>	135.674	130.318	117.160	100.420	83.808	78.340	75.577	72.649	70.926	70.198
<b>80</b>	41.358	42.231	42.715	43.051	44.799	44.773	41.626	39.473	37.786	36.813
<b>90</b>	31.189	27.123	28.634	32.121	41.747	42.193	33.162	29.504	26.225	19.629
<b>100</b>	428.500	403.486	385.858	318.006	304.405	263.028	251.273	212.199	157.991	105.608
<b>110</b>	1145.001	1115.291	1067.763	956.987	871.849	742.762	651.836	536.465	380.167	276.321
<b>120</b>	1345.680	1324.180	1273.430	1198.579	1099.162	991.850	870.703	716.738	556.148	482.250
<b>130</b>	1396.892	1371.015	1329.615	1266.065	1181.403	1082.345	952.953	826.023	709.883	668.696
<b>140</b>	1354.254	1327.030	1290.240	1240.491	1167.108	1096.950	994.357	895.666	837.985	819.076
<b>150</b>	1248.305	1230.143	1201.343	1172.722	1117.847	1072.270	999.730	953.266	931.306	923.036
<b>160</b>	1116.076	1104.298	1090.733	1079.733	1054.764	1041.106	1021.771	1006.360	1000.313	993.843
<b>170</b>	1075.247	1065.865	1061.203	1055.287	1050.703	1047.244	1043.052	1040.901	1036.634	1035.008
<b>180</b>	1067.085	1058.965	1055.931	1055.418	1049.452	1051.001	1049.379	1048.205	1048.110	1048.269

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	157.43	N.A.	2.50
0-30	338.23	N.A.	5.50
0-40	558.51	N.A.	9.00
0-60	969.50	N.A.	15.70
0-80	1169.18	N.A.	18.90
0-90	1209.29	N.A.	19.50
10-90	1168.72	N.A.	18.90
20-40	401.08	N.A.	6.50
20-50	624.32	N.A.	10.10
40-70	539.69	N.A.	8.70
60-80	199.68	N.A.	3.20
70-80	70.98	N.A.	1.10
80-90	40.11	N.A.	0.60
90-110	736.76	N.A.	11.90
90-120	1617.91	N.A.	26.20
90-130	2549.8	N.A.	41.20
90-150	4084.45	N.A.	66.00
90-180	4976.83	N.A.	80.50
110-180	4240.07	N.A.	68.50
0-180	6186.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	40.57
10-20	116.86
20-30	180.80
30-40	220.28
40-50	223.24
50-60	187.75
60-70	128.70
70-80	70.98
80-90	40.11
90-100	172.72
100-110	564.05
110-120	881.14
120-130	931.89
130-140	847.10
140-150	687.56
150-160	494.19
160-170	297.80
170-180	100.39

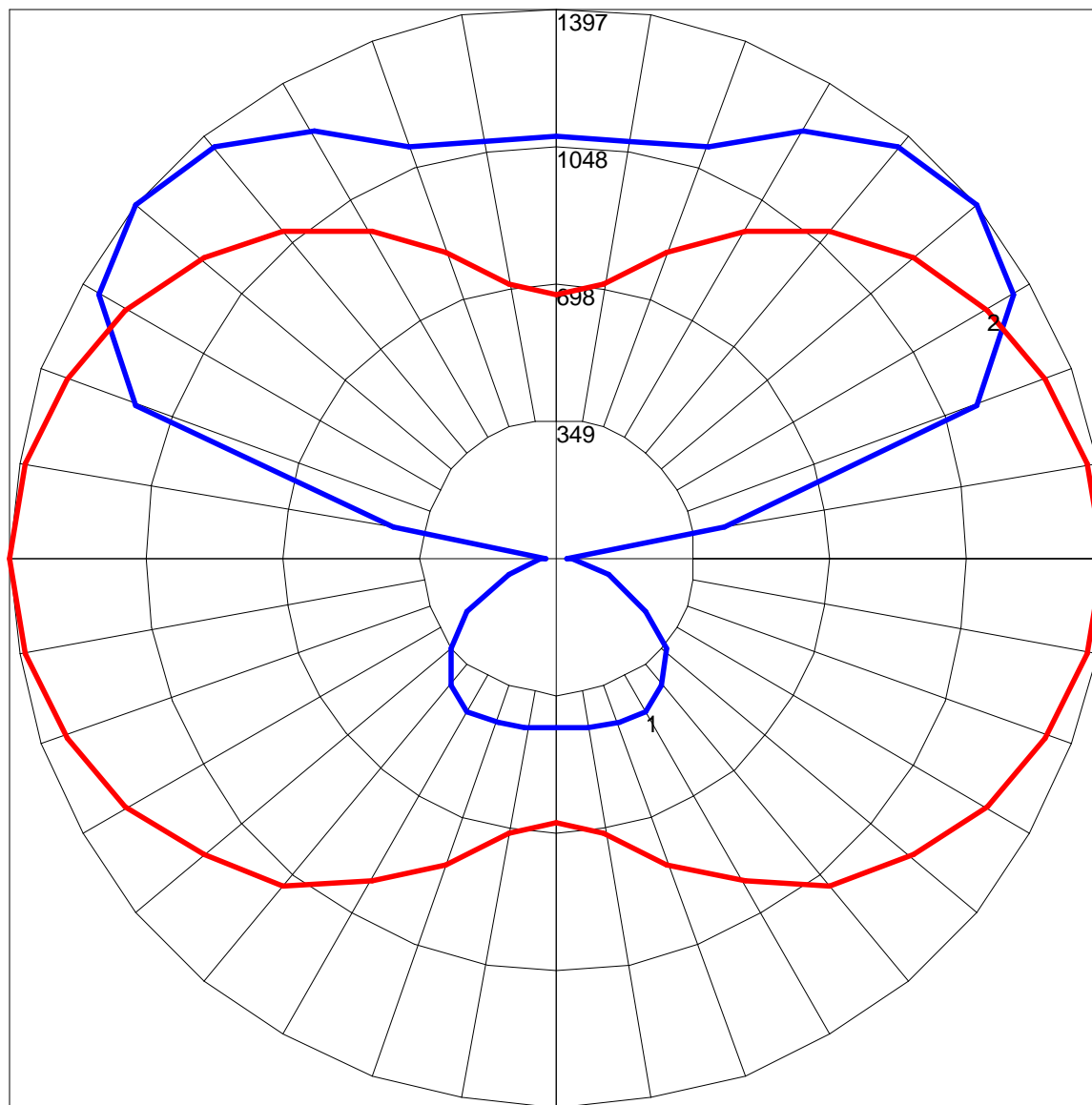
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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 = 1396.892 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.)