



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-FB-HO-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LDI LED 4 FB HO WW 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-HO-35

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7410
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	50.1
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	2377	1646	1388
55	2339	1428	1144
65	2040	1165	939
75	1468	1044	888
85	1787	2137	1390

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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>	515.374	515.374	515.374	515.374	515.374	515.374	515.374	515.374	515.374	515.374
<b>10</b>	526.251	519.900	514.761	509.356	503.348	497.748	493.425	490.891	488.789	487.601
<b>20</b>	539.599	530.801	517.877	501.409	485.934	470.748	459.930	453.002	449.604	448.127
<b>30</b>	541.783	533.007	507.349	476.189	448.522	425.821	408.281	397.822	393.724	393.424
<b>40</b>	507.753	496.705	458.015	419.362	385.101	354.712	334.200	322.035	318.228	318.987
<b>50</b>	430.029	415.765	377.672	331.619	294.319	264.399	242.250	230.621	227.086	228.603
<b>60</b>	318.402	302.060	267.292	228.454	192.313	162.778	143.341	137.849	136.795	137.349
<b>70</b>	162.506	156.092	140.331	120.280	100.383	93.833	90.524	87.017	84.953	84.081
<b>80</b>	49.537	50.583	51.163	51.566	53.659	53.628	49.859	47.279	45.259	44.093
<b>90</b>	37.358	32.487	34.297	38.474	50.003	50.538	39.720	35.339	31.412	23.511
<b>100</b>	513.245	483.284	462.170	380.898	364.608	315.047	300.967	254.166	189.237	126.494
<b>110</b>	1371.450	1335.864	1278.936	1146.252	1044.277	889.659	780.751	642.563	455.353	330.969
<b>120</b>	1611.817	1586.065	1525.279	1435.624	1316.545	1188.009	1042.903	858.488	666.138	577.625
<b>130</b>	1673.158	1642.163	1592.576	1516.457	1415.051	1296.402	1141.420	989.387	850.278	800.945
<b>140</b>	1622.086	1589.479	1545.413	1485.825	1397.929	1313.896	1191.013	1072.803	1003.715	981.066
<b>150</b>	1495.184	1473.430	1438.934	1404.653	1338.925	1284.334	1197.448	1141.795	1115.492	1105.587
<b>160</b>	1336.805	1322.696	1306.449	1293.274	1263.367	1247.007	1223.848	1205.389	1198.147	1190.397
<b>170</b>	1287.901	1276.663	1271.078	1263.993	1258.503	1254.359	1249.338	1246.762	1241.651	1239.704
<b>180</b>	1278.124	1268.398	1264.764	1264.149	1257.004	1258.859	1256.917	1255.511	1255.396	1255.586

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	188.57	N.A.	2.50
0-30	405.13	N.A.	5.50
0-40	668.97	N.A.	9.00
0-60	1161.24	N.A.	15.70
0-80	1400.41	N.A.	18.90
0-90	1448.45	N.A.	19.50
10-90	1399.85	N.A.	18.90
20-40	480.40	N.A.	6.50
20-50	747.79	N.A.	10.10
40-70	646.42	N.A.	8.70
60-80	239.17	N.A.	3.20
70-80	85.02	N.A.	1.10
80-90	48.04	N.A.	0.60
90-110	882.48	N.A.	11.90
90-120	1937.88	N.A.	26.20
90-130	3054.08	N.A.	41.20
90-150	4892.24	N.A.	66.00
90-180	5961.11	N.A.	80.50
110-180	5078.64	N.A.	68.50
0-180	7409.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	48.59
10-20	139.97
20-30	216.56
30-40	263.85
40-50	267.39
50-60	224.88
60-70	154.16
70-80	85.02
80-90	48.04
90-100	206.87
100-110	675.60
110-120	1055.41
120-130	1116.2
130-140	1014.63
140-150	823.54
150-160	591.93
160-170	356.69
170-180	120.24

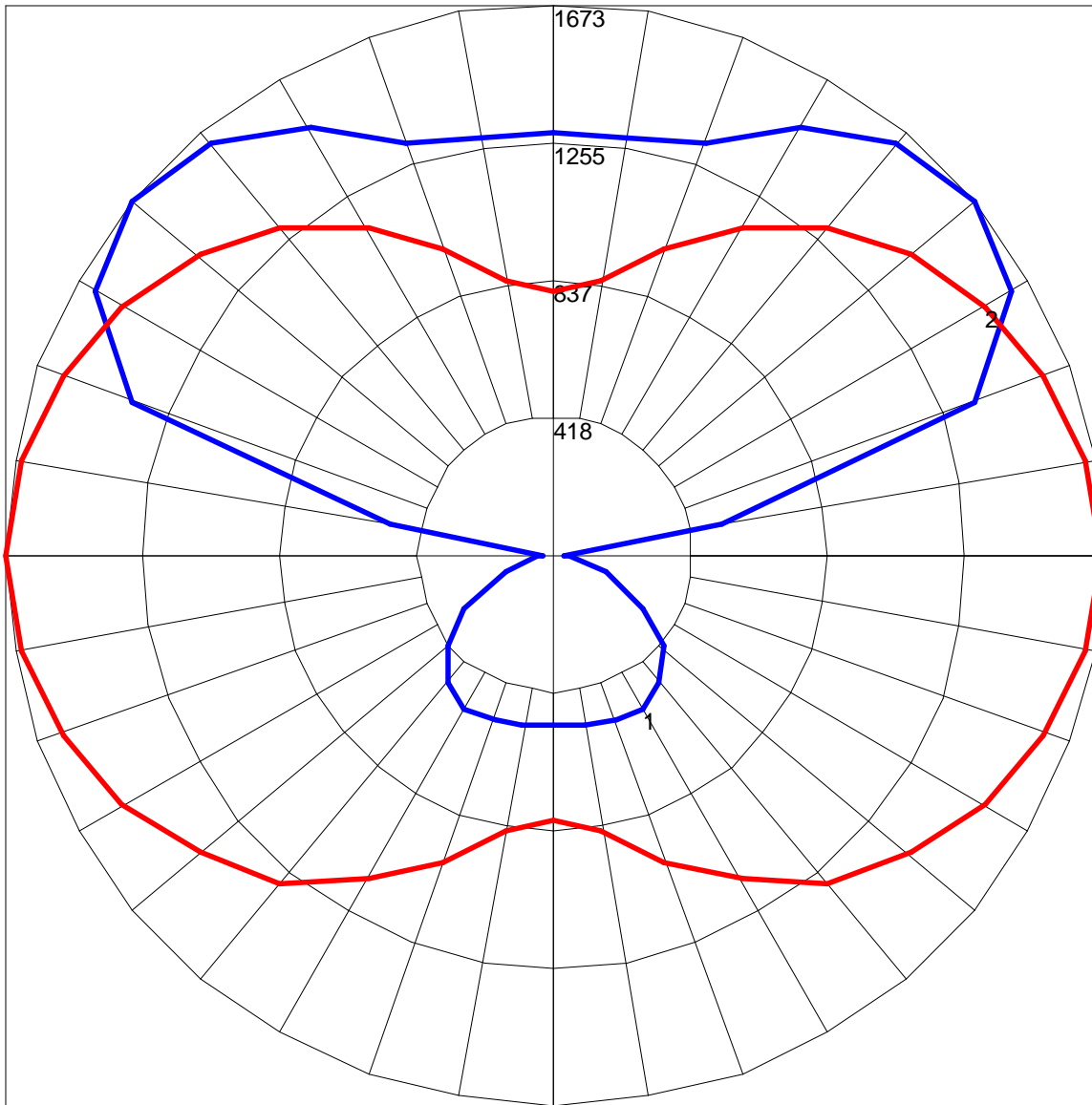
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	39	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 = 1673.158 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.)