



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-6040-FB-HO-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LDI LED 4 FB HO WW S UE 60 40  
[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-6040-FB-HO-35

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6854
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
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	2881	2043	1769
55	2857	1759	1417
65	2649	1431	1131
75	2052	1248	1021
85	1702	2206	1421

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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>	707.220	707.220	707.220	707.220	707.220	707.220	707.220	707.220	707.220	707.220
<b>10</b>	693.203	689.382	686.938	681.360	677.662	674.055	671.445	671.527	670.665	669.925
<b>20</b>	681.644	675.580	662.215	646.176	631.612	618.062	609.449	605.622	605.207	605.610
<b>30</b>	664.381	654.411	627.326	596.561	568.218	544.081	524.731	516.599	516.491	517.509
<b>40</b>	614.664	599.606	560.881	515.004	476.856	445.588	424.136	412.164	410.745	411.901
<b>50</b>	522.064	500.100	456.982	406.876	361.845	327.424	302.132	288.936	285.173	286.148
<b>60</b>	392.137	371.082	327.395	279.975	235.974	200.652	175.549	168.123	168.506	167.332
<b>70</b>	232.567	216.188	189.554	155.209	124.113	114.091	108.157	104.046	101.115	99.469
<b>80</b>	63.809	64.659	64.323	63.502	61.833	60.391	57.372	53.291	49.809	47.925
<b>90</b>	18.964	22.859	27.287	41.274	46.198	46.152	36.592	29.232	26.039	21.198
<b>100</b>	200.355	198.811	225.276	244.444	261.057	271.442	271.521	247.026	201.200	160.581
<b>110</b>	858.316	845.583	826.473	806.072	769.760	733.517	675.406	582.000	449.465	355.103
<b>120</b>	1279.294	1286.869	1246.635	1182.104	1105.484	1016.868	902.007	770.810	625.179	555.470
<b>130</b>	1388.300	1381.685	1353.460	1309.191	1241.718	1124.696	1005.350	884.545	780.786	743.424
<b>140</b>	1403.536	1391.020	1356.411	1314.789	1256.340	1176.865	1086.503	988.447	921.137	901.204
<b>150</b>	1323.361	1315.954	1287.954	1251.149	1205.558	1153.733	1097.638	1052.370	1027.384	1020.453
<b>160</b>	1207.708	1202.655	1192.259	1170.626	1143.225	1114.421	1094.068	1079.604	1072.577	1073.773
<b>170</b>	1126.492	1123.008	1121.954	1120.515	1118.938	1117.220	1115.375	1111.422	1109.133	1107.495
<b>180</b>	1116.130	1110.445	1109.073	1108.801	1108.564	1108.688	1108.776	1108.664	1108.253	1107.124

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	251.99	N.A.	3.70
0-30	530.66	N.A.	7.70
0-40	862.12	N.A.	12.60
0-60	1469.22	N.A.	21.40
0-80	1767.78	N.A.	25.80
0-90	1817.89	N.A.	26.50
10-90	1751.76	N.A.	25.60
20-40	610.13	N.A.	8.90
20-50	941.07	N.A.	13.70
40-70	799.30	N.A.	11.70
60-80	298.56	N.A.	4.40
70-80	106.35	N.A.	1.60
80-90	50.11	N.A.	0.70
90-110	638.76	N.A.	9.30
90-120	1485.15	N.A.	21.70
90-130	2442.15	N.A.	35.60
90-150	4076.83	N.A.	59.50
90-180	5036.42	N.A.	73.50
110-180	4397.65	N.A.	64.20
0-180	6854.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	66.13
10-20	185.86
20-30	278.67
30-40	331.47
40-50	330.94
50-60	276.15
60-70	192.21
70-80	106.35
80-90	50.11
90-100	145.29
100-110	493.47
110-120	846.39
120-130	957.00
130-140	894.54
140-150	740.14
150-160	534.19
160-170	319.13
170-180	106.26

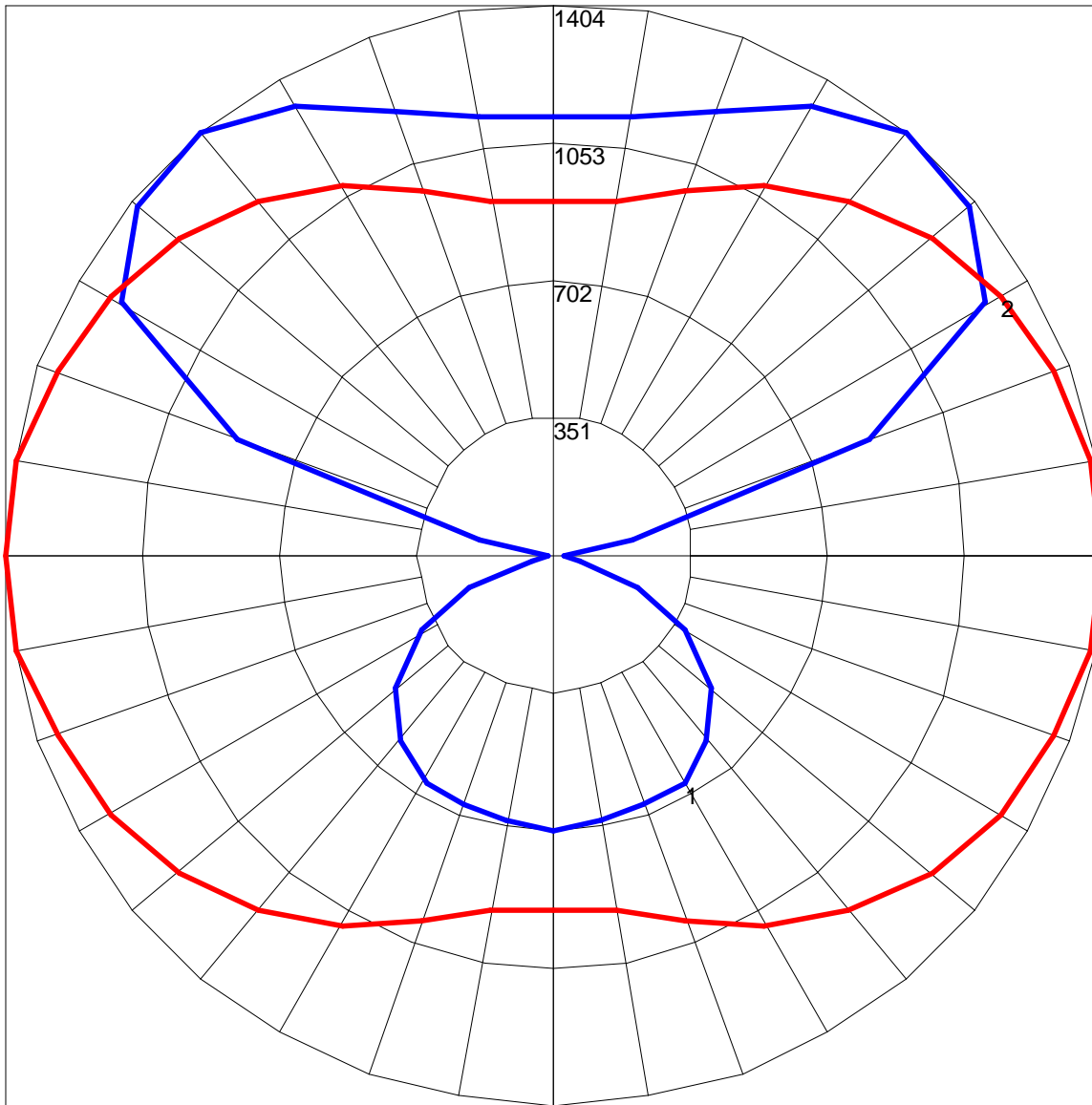
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	102	102	102	102	91	91	91	91	70	70	70	52	52	52	35	35	35	27
1	92	88	85	81	82	79	76	73	61	59	57	45	44	43	30	30	29	22
2	84	77	71	66	75	69	64	60	54	50	48	40	38	36	27	26	24	19
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	24	22	21	16
4	70	60	52	46	62	54	47	42	42	38	34	31	28	26	21	19	18	14
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14	10
7	55	43	35	30	49	39	32	27	30	26	22	23	20	17	16	14	12	9
8	50	39	31	26	45	35	28	24	28	23	20	21	18	15	14	12	11	8
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10	7
10	44	32	25	21	39	29	23	19	23	19	16	18	14	12	12	10	9	7

POLAR GRAPH



Maximum Candela = 1403.536 Located At Horizontal Angle = 0, Vertical Angle = 140  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (140) (Through Max. Cd.)