



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

**DESCRIPTION INFORMATION (From Photometric File)**

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

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5898
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	155
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	2479	1758	1522
55	2458	1514	1219
65	2280	1231	974
75	1766	1074	878
85	1465	1898	1223

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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>	608.538	608.538	608.538	608.538	608.538	608.538	608.538	608.538	608.538	608.538
<b>10</b>	596.477	593.189	591.086	586.286	583.104	580.001	577.755	577.825	577.084	576.447
<b>20</b>	586.531	581.313	569.813	556.012	543.480	531.821	524.410	521.117	520.759	521.107
<b>30</b>	571.677	563.098	539.792	513.320	488.932	468.162	451.512	444.516	444.423	445.299
<b>40</b>	528.897	515.940	482.618	443.143	410.318	383.413	364.954	354.652	353.432	354.427
<b>50</b>	449.218	430.319	393.217	350.103	311.355	281.737	259.974	248.619	245.382	246.220
<b>60</b>	337.420	319.303	281.712	240.908	203.047	172.654	151.054	144.664	144.993	143.983
<b>70</b>	200.116	186.022	163.105	133.552	106.795	98.171	93.065	89.528	87.006	85.590
<b>80</b>	54.905	55.637	55.348	54.641	53.205	51.964	49.367	45.855	42.859	41.238
<b>90</b>	16.318	19.669	23.479	35.515	39.752	39.712	31.486	25.153	22.406	18.240
<b>100</b>	172.399	171.070	193.842	210.335	224.631	233.566	233.634	212.557	173.125	138.174
<b>110</b>	738.551	727.595	711.151	693.597	662.352	631.166	581.163	500.791	386.749	305.554
<b>120</b>	1100.788	1107.306	1072.686	1017.159	951.230	874.980	776.145	663.255	537.944	477.962
<b>130</b>	1194.583	1188.891	1164.605	1126.513	1068.455	967.762	865.069	761.120	671.839	639.691
<b>140</b>	1207.694	1196.924	1167.144	1131.330	1081.037	1012.652	934.898	850.524	792.606	775.455
<b>150</b>	1138.706	1132.332	1108.240	1076.570	1037.341	992.747	944.479	905.528	884.028	878.064
<b>160</b>	1039.191	1034.843	1025.898	1007.283	983.705	958.920	941.407	928.961	922.915	923.944
<b>170</b>	969.307	966.309	965.403	964.164	962.807	961.329	959.742	956.340	954.371	952.961
<b>180</b>	960.391	955.499	954.319	954.085	953.881	953.987	954.063	953.967	953.613	952.641

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	216.83	N.A.	3.70
0-30	456.61	N.A.	7.70
0-40	741.83	N.A.	12.60
0-60	1264.21	N.A.	21.40
0-80	1521.11	N.A.	25.80
0-90	1564.23	N.A.	26.50
10-90	1507.33	N.A.	25.60
20-40	525.00	N.A.	8.90
20-50	809.76	N.A.	13.70
40-70	687.77	N.A.	11.70
60-80	256.90	N.A.	4.40
70-80	91.51	N.A.	1.60
80-90	43.12	N.A.	0.70
90-110	549.63	N.A.	9.30
90-120	1277.92	N.A.	21.70
90-130	2101.39	N.A.	35.60
90-150	3507.97	N.A.	59.50
90-180	4333.66	N.A.	73.50
110-180	3784.03	N.A.	64.20
0-180	5897.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	56.90
10-20	159.93
20-30	239.78
30-40	285.22
40-50	284.76
50-60	237.62
60-70	165.39
70-80	91.51
80-90	43.12
90-100	125.02
100-110	424.61
110-120	728.29
120-130	823.47
130-140	769.72
140-150	636.87
150-160	459.65
160-170	274.60
170-180	91.43

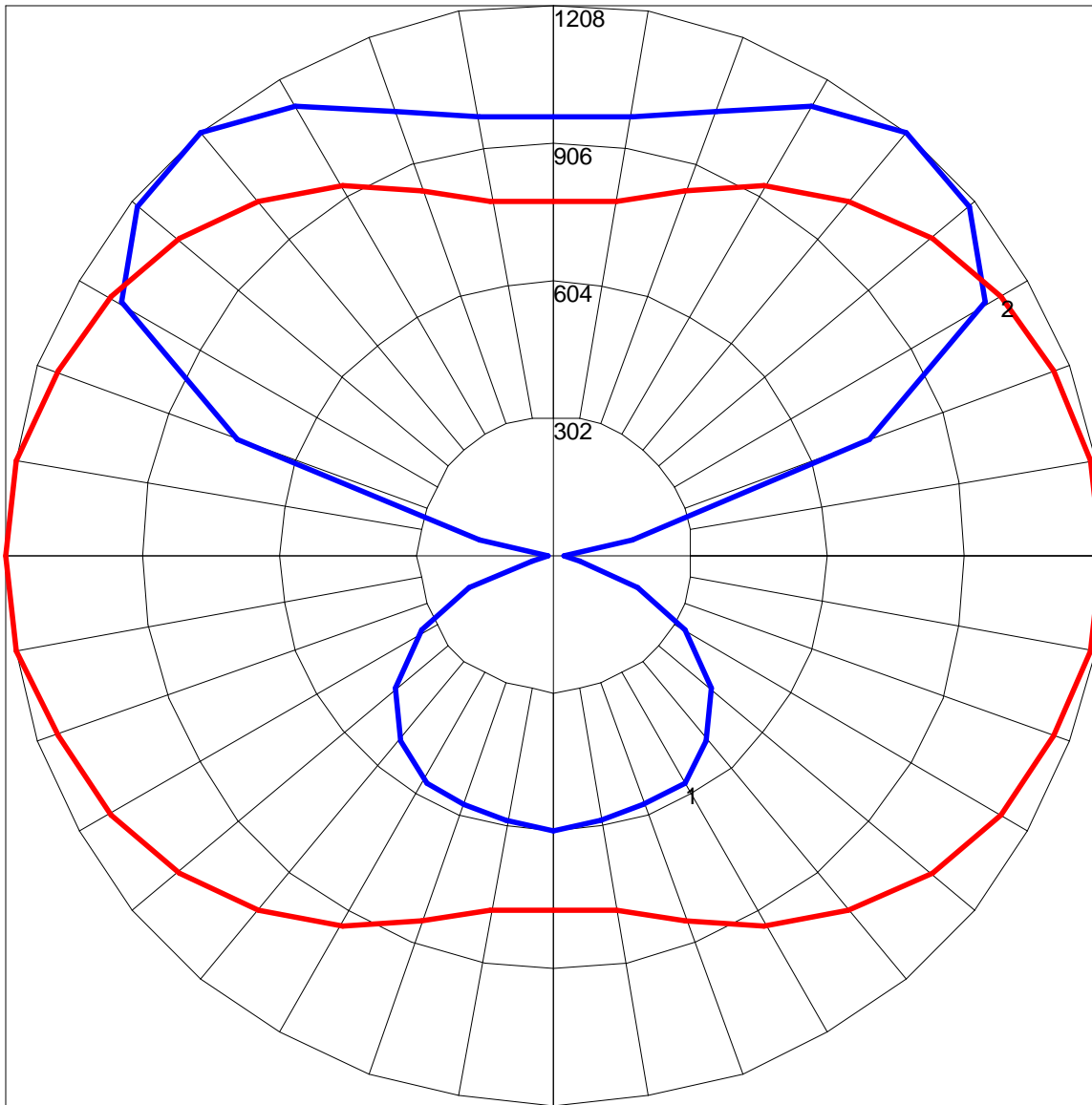
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1207.694 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.)