



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-6040-FB-HO-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LDI LED 4 FB HO SW 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-30

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6655
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
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	2798	1983	1718
55	2774	1708	1376
65	2572	1389	1099
75	1993	1212	991
85	1653	2142	1380

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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>
0	686.661	686.661	686.661	686.661	686.661	686.661	686.661	686.661	686.661	686.661
10	673.052	669.342	666.969	661.553	657.962	654.460	651.926	652.006	651.169	650.451
20	661.828	655.941	642.964	627.391	613.251	600.095	591.733	588.017	587.614	588.005
30	645.068	635.387	609.090	579.219	551.700	528.264	509.477	501.582	501.477	502.465
40	596.796	582.175	544.576	500.033	462.994	432.634	411.806	400.182	398.805	399.927
50	506.888	485.563	443.697	395.049	351.326	317.906	293.349	280.537	276.883	277.830
60	380.737	360.295	317.878	271.836	229.114	194.819	170.446	163.236	163.607	162.468
70	225.807	209.903	184.044	150.697	120.505	110.774	105.013	101.022	98.175	96.578
80	61.954	62.779	62.453	61.656	60.036	58.635	55.705	51.742	48.361	46.532
90	18.413	22.194	26.494	40.074	44.855	44.810	35.528	28.382	25.282	20.582
100	194.531	193.031	218.727	237.338	253.468	263.551	263.628	239.845	195.351	155.913
110	833.365	821.002	802.448	782.640	747.383	712.194	655.772	565.081	436.399	344.781
120	1242.105	1249.460	1210.395	1147.740	1073.347	987.308	875.786	748.403	607.005	539.322
130	1347.942	1341.519	1314.115	1271.133	1205.621	1092.001	976.125	858.832	758.089	721.813
140	1362.736	1350.583	1316.980	1276.568	1219.819	1142.654	1054.918	959.713	894.359	875.006
150	1284.891	1277.699	1250.514	1214.778	1170.513	1120.194	1065.730	1021.778	997.518	990.788
160	1172.600	1167.694	1157.601	1136.596	1109.991	1082.025	1062.264	1048.220	1041.398	1042.558
170	1093.745	1090.362	1089.339	1087.942	1086.411	1084.743	1082.952	1079.113	1076.891	1075.300
180	1083.685	1078.164	1076.833	1076.569	1076.338	1076.459	1076.544	1076.435	1076.036	1074.940

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	244.66	N.A.	3.70
0-30	515.23	N.A.	7.70
0-40	837.06	N.A.	12.60
0-60	1426.51	N.A.	21.40
0-80	1716.39	N.A.	25.80
0-90	1765.05	N.A.	26.50
10-90	1700.84	N.A.	25.60
20-40	592.40	N.A.	8.90
20-50	913.72	N.A.	13.70
40-70	776.07	N.A.	11.70
60-80	289.88	N.A.	4.40
70-80	103.26	N.A.	1.60
80-90	48.66	N.A.	0.70
90-110	620.19	N.A.	9.30
90-120	1441.98	N.A.	21.70
90-130	2371.16	N.A.	35.60
90-150	3958.32	N.A.	59.50
90-180	4890.01	N.A.	73.50
110-180	4269.81	N.A.	64.20
0-180	6655.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	64.21
10-20	180.46
20-30	270.57
30-40	321.83
40-50	321.32
50-60	268.13
60-70	186.62
70-80	103.26
80-90	48.66
90-100	141.07
100-110	479.13
110-120	821.78
120-130	929.18
130-140	868.53
140-150	718.63
150-160	518.66
160-170	309.86
170-180	103.17

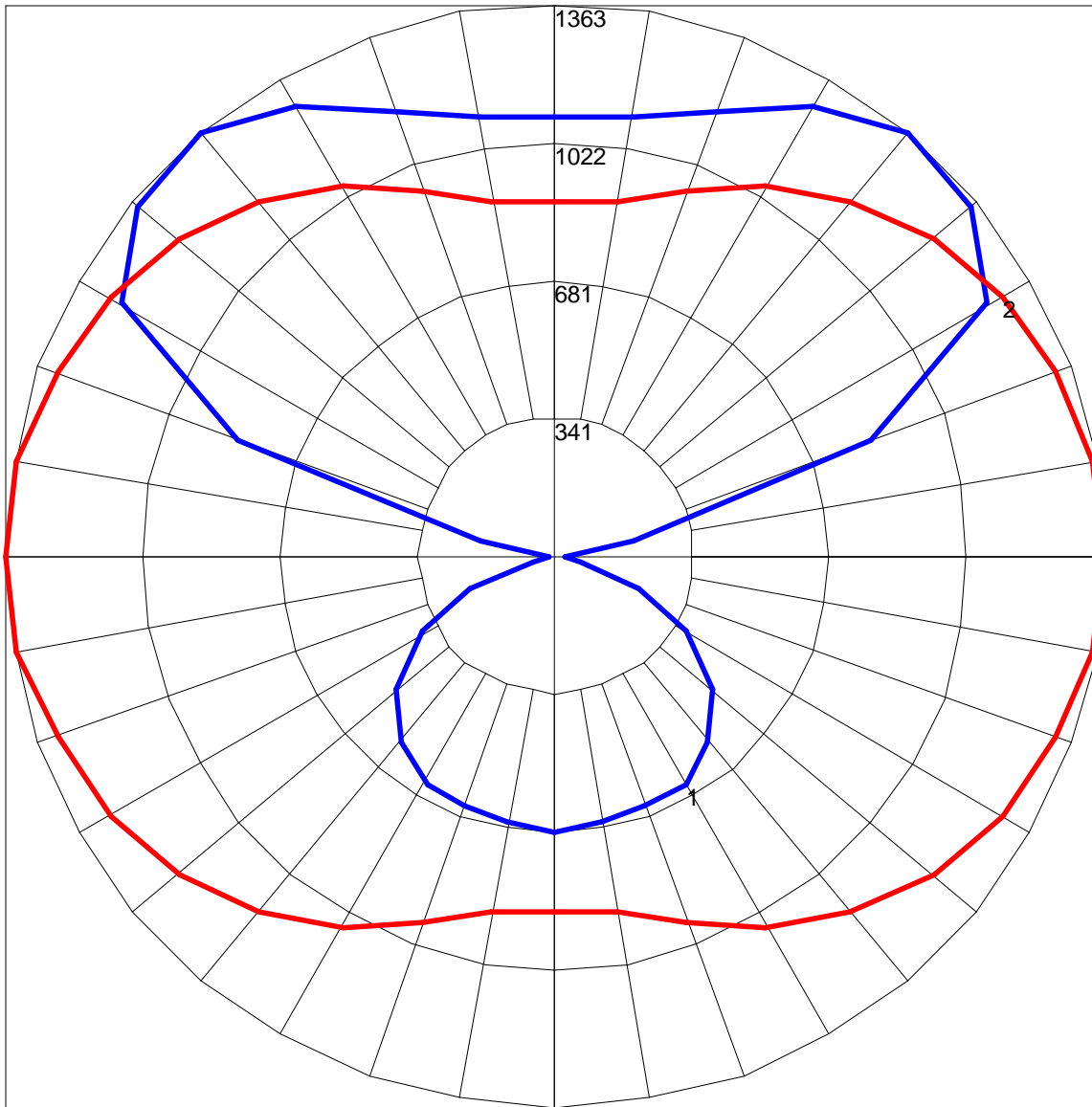
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1362.736 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.)