



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-6040-FB-HO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LDI LED 4 FB HO NW 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-40

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7077
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
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	2975	2109	1827
55	2950	1816	1463
65	2736	1478	1168
75	2119	1289	1054
85	1758	2278	1468

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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	730.246	730.246	730.246	730.246	730.246	730.246	730.246	730.246	730.246	730.246
10	715.772	711.827	709.303	703.544	699.725	696.001	693.306	693.390	692.501	691.737
20	703.837	697.576	683.775	667.214	652.176	638.185	629.292	625.340	624.911	625.328
30	686.012	675.717	647.751	615.984	586.718	561.795	541.815	533.419	533.307	534.358
40	634.677	619.128	579.142	531.772	492.382	460.095	437.945	425.583	424.119	425.312
50	539.061	516.383	471.860	420.123	373.626	338.085	311.969	298.343	294.458	295.464
60	404.904	383.164	338.055	289.090	243.657	207.185	181.265	173.597	173.992	172.780
70	240.139	223.226	195.726	160.263	128.153	117.806	111.678	107.434	104.407	102.708
80	65.886	66.764	66.417	65.569	63.846	62.357	59.240	55.026	51.430	49.486
90	19.581	23.603	28.175	42.618	47.702	47.655	37.784	30.184	26.887	21.888
100	206.878	205.283	232.611	252.402	269.557	280.279	280.361	255.068	207.750	165.809
110	886.261	873.114	853.381	832.316	794.822	757.399	697.396	600.949	464.099	366.665
120	1320.945	1328.767	1287.223	1220.591	1141.476	1049.976	931.374	795.906	645.533	573.555
130	1433.500	1426.670	1397.526	1351.816	1282.146	1161.314	1038.083	913.344	806.207	767.629
140	1449.233	1436.309	1400.573	1357.596	1297.245	1215.182	1121.877	1020.629	951.127	930.546
150	1366.447	1358.799	1329.887	1291.884	1244.809	1191.296	1133.375	1086.633	1060.833	1053.677
160	1247.029	1241.811	1231.077	1208.739	1180.446	1150.704	1129.689	1114.753	1107.499	1108.733
170	1163.168	1159.571	1158.483	1156.997	1155.369	1153.595	1151.690	1147.608	1145.245	1143.553
180	1152.470	1146.599	1145.183	1144.902	1144.657	1144.785	1144.875	1144.760	1144.335	1143.169

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	260.19	N.A.	3.70
0-30	547.93	N.A.	7.70
0-40	890.19	N.A.	12.60
0-60	1517.05	N.A.	21.40
0-80	1825.33	N.A.	25.80
0-90	1877.08	N.A.	26.50
10-90	1808.8	N.A.	25.60
20-40	630.00	N.A.	8.90
20-50	971.71	N.A.	13.70
40-70	825.33	N.A.	11.70
60-80	308.28	N.A.	4.40
70-80	109.81	N.A.	1.60
80-90	51.75	N.A.	0.70
90-110	659.56	N.A.	9.30
90-120	1533.5	N.A.	21.70
90-130	2521.67	N.A.	35.60
90-150	4209.56	N.A.	59.50
90-180	5200.39	N.A.	73.50
110-180	4540.83	N.A.	64.20
0-180	7077.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	68.28
10-20	191.91
20-30	287.74
30-40	342.26
40-50	341.71
50-60	285.15
60-70	198.47
70-80	109.81
80-90	51.75
90-100	150.02
100-110	509.54
110-120	873.95
120-130	988.16
130-140	923.66
140-150	764.24
150-160	551.59
160-170	329.52
170-180	109.72

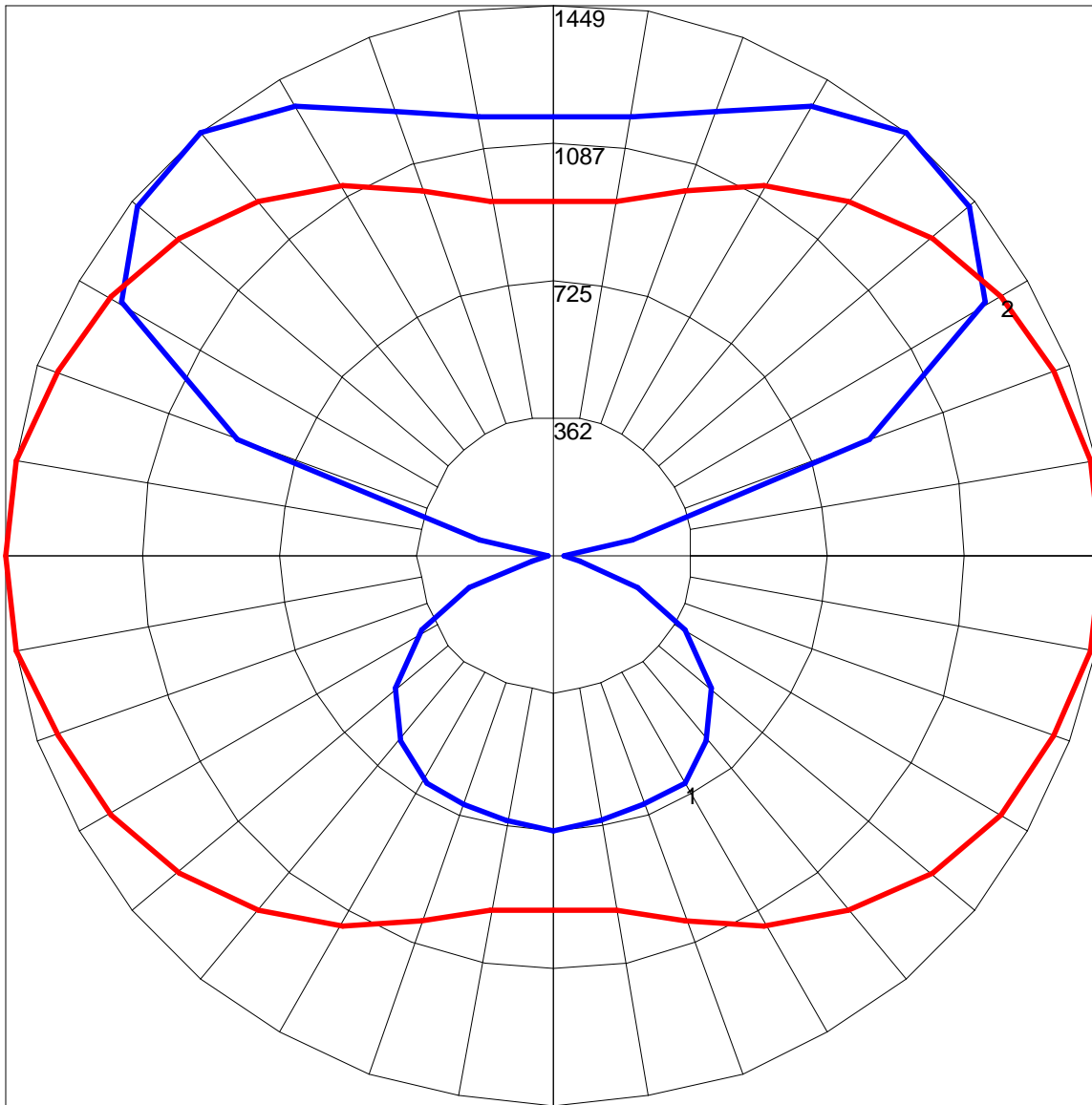
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1449.233 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.)