



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-5050-FB-HO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LDI LED 4 FB HO NW S UE 50 50
[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-5050-FB-HO-40

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6096
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
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	3429	2587	2423
55	3224	2089	1874
65	2684	1559	1403
75	1627	1172	1134
85	601	1532	1057

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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	1032.226	1032.226	1032.226	1032.226	1032.226	1032.226	1032.226	1032.226	1032.226	1032.226
10	972.469	979.448	980.180	978.207	975.800	973.861	973.537	975.364	977.636	981.708
20	922.654	923.913	913.604	897.166	882.264	870.449	864.378	863.135	867.480	873.782
30	855.808	850.622	822.857	791.717	758.910	736.610	723.071	719.011	724.049	732.303
40	748.433	736.065	696.732	651.762	612.386	581.520	561.016	553.870	558.994	568.730
50	604.580	586.769	539.284	486.825	440.378	406.635	383.955	374.837	378.414	387.381
60	427.300	407.835	362.861	313.368	263.747	226.317	207.734	205.330	207.639	212.271
70	205.651	198.510	176.529	147.729	125.023	119.994	117.379	115.744	116.522	118.662
80	29.243	33.291	37.270	41.645	46.966	46.399	46.598	45.720	44.558	45.070
90	0.000	3.019	8.998	15.820	27.803	27.785	17.945	15.239	10.408	6.339
100	167.097	178.970	203.321	218.385	233.558	219.599	216.781	195.375	161.695	131.841
110	649.865	683.261	665.831	638.752	615.201	575.895	516.820	442.959	348.488	296.905
120	908.752	935.991	933.231	881.755	823.840	754.888	685.437	594.970	499.229	463.825
130	986.394	992.969	995.562	968.764	909.745	842.598	771.137	688.728	625.375	609.176
140	990.029	993.819	986.390	971.385	938.502	880.699	821.807	768.679	742.754	737.583
150	947.383	947.410	939.450	924.289	903.919	876.253	845.276	824.601	818.052	816.240
160	878.830	878.539	877.844	871.312	862.906	854.656	849.135	849.068	849.708	851.406
170	851.814	849.098	850.890	854.129	856.022	857.573	858.174	859.870	856.628	852.371
180	854.847	850.946	848.647	847.588	846.646	847.156	845.889	844.335	835.152	830.985

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	360.01	N.A.	5.90
0-30	743.20	N.A.	12.20
0-40	1180.56	N.A.	19.40
0-60	1927.41	N.A.	31.60
0-80	2234.16	N.A.	36.60
0-90	2265.06	N.A.	37.20
10-90	2169.18	N.A.	35.60
20-40	820.55	N.A.	13.50
20-50	1238.06	N.A.	20.30
40-70	956.09	N.A.	15.70
60-80	306.75	N.A.	5.00
70-80	97.52	N.A.	1.60
80-90	30.90	N.A.	0.50
90-110	511.61	N.A.	8.40
90-120	1159.91	N.A.	19.00
90-130	1877.06	N.A.	30.80
90-150	3102.46	N.A.	50.90
90-180	3831.19	N.A.	62.80
110-180	3319.58	N.A.	54.50
0-180	6096.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	95.89
10-20	264.12
20-30	383.19
30-40	437.36
40-50	417.51
50-60	329.34
60-70	209.23
70-80	97.52
80-90	30.90
90-100	115.61
100-110	396.00
110-120	648.30
120-130	717.15
130-140	669.49
140-150	555.92
150-160	404.22
160-170	243.35
170-180	81.16

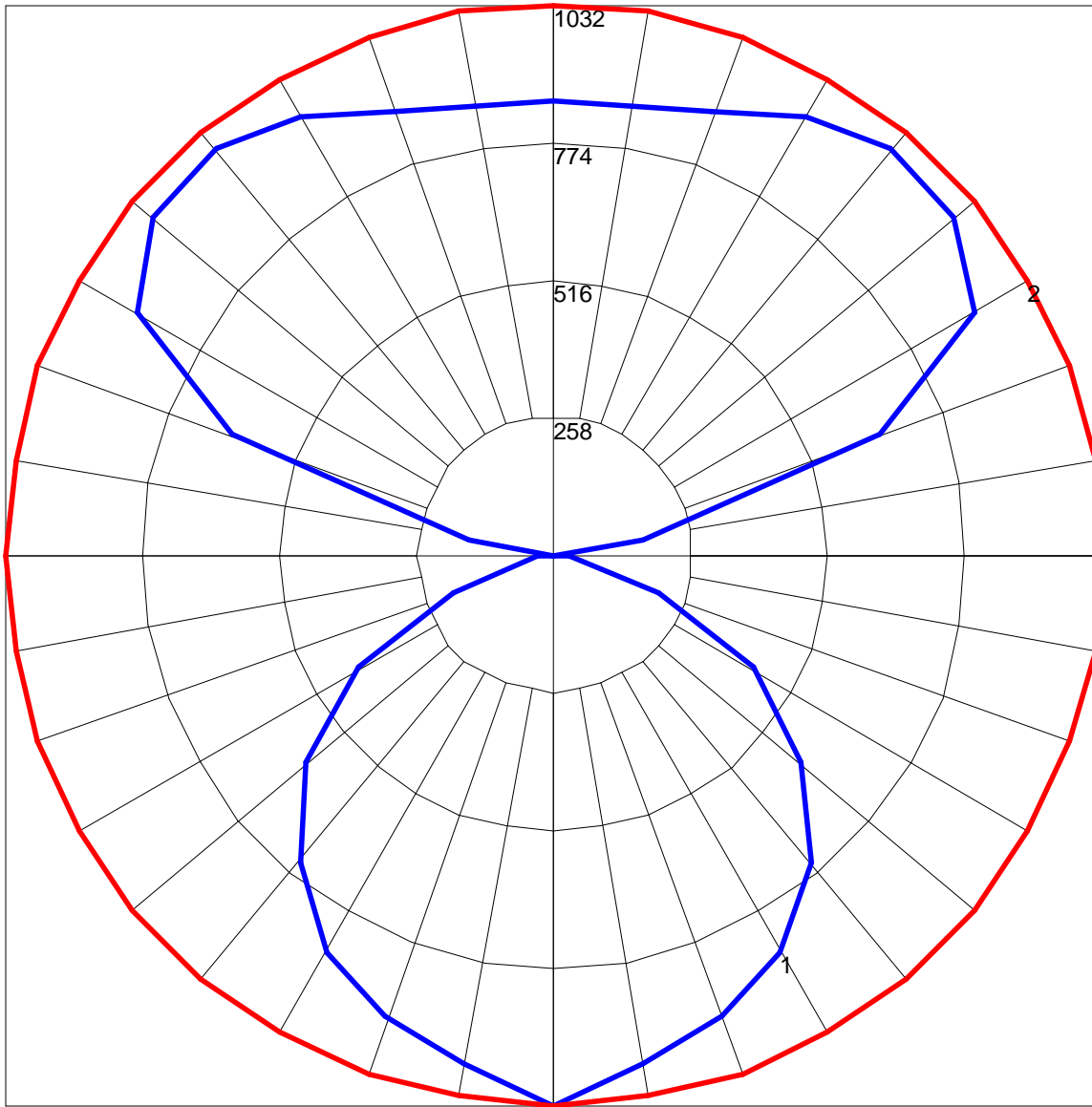
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44	37
1	95	91	87	84	86	83	80	77	67	65	63	53	51	50	40	39	38	32
2	87	80	74	69	79	73	68	64	59	56	53	47	44	42	35	34	32	27
3	79	70	63	58	72	64	58	53	52	48	45	42	39	36	31	30	28	23
4	73	62	55	49	66	57	50	45	47	42	38	37	34	31	28	26	24	20
5	67	56	48	42	60	51	44	39	42	37	33	33	30	27	26	23	21	18
6	62	50	42	37	56	46	39	34	38	33	29	30	27	24	23	21	19	16
7	57	45	37	32	52	41	35	30	34	29	25	28	24	21	21	19	17	14
8	53	41	33	28	48	38	31	26	31	26	23	25	22	19	20	17	15	13
9	49	37	30	25	45	34	28	24	29	24	20	23	20	17	18	16	14	11
10	46	34	27	23	42	31	25	21	26	22	18	21	18	15	17	14	12	10

POLAR GRAPH



Maximum Candela = 1032.226 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)