



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB]Dekko
[ISSUE DATE]06-19-2017
[TEST DATE]03/08/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT] LDI-4-LED-5050-PL-HO-40
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3486
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	50.1
Ballast Factor	1.00
CIE Type	General Diffuse
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	2134	2185	2535
55	1731	2025	2531
65	543	1603	2952
75	208	402	1884
85	247	370	494

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	674	674	674	674	674
2.5	690	679	674	668	664
5.0	689	678	673	667	663
7.5	685	675	669	662	657
10.0	680	670	662	655	651
12.5	672	662	653	648	645
15.0	663	651	643	641	639
17.5	652	638	632	634	633
20.0	639	624	619	625	626
22.5	625	610	607	616	620
25.0	609	593	592	605	612
27.5	591	576	576	594	603
30.0	572	556	560	581	594
32.5	551	535	542	567	582
35.0	529	513	523	551	570
37.5	503	489	502	533	556
40.0	478	464	479	514	539
42.5	450	437	455	493	520
45.0	421	410	431	470	500
47.5	391	381	406	445	478
50.0	358	350	380	420	455
52.5	319	318	351	394	431
55.0	277	282	324	369	405
57.5	227	237	296	343	378
60.0	166	191	267	318	357
62.5	107	138	232	298	356
65.0	64	87	189	287	348
67.5	42	53	136	259	325
70.0	29	36	82	213	308
72.5	20	26	46	148	273
75.0	15	19	29	81	136
77.5	11	15	20	36	75
80.0	9	12	15	23	42
82.5	7	10	11	15	23
85.0	6	8	9	10	12
87.5	5	7	8	8	8
90.0	4	8	13	8	7
92.5	23	55	57	30	28
95.0	36	83	105	94	65
97.5	50	103	137	113	93
100.0	67	121	163	156	140
102.5	87	146	196	211	192
105.0	110	175	228	258	246
107.5	133	201	261	295	298
110.0	153	222	287	313	310
112.5	173	240	308	334	334
115.0	193	254	323	356	356
117.5	211	268	337	374	371
120.0	227	278	349	385	384
122.5	244	290	352	389	393
125.0	264	306	355	390	398
127.5	282	313	362	392	401
130.0	293	315	373	393	405
132.5	302	319	380	395	407

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CANDELA TABULATION - (Cont.)

135.0	312	326	381	397	407
137.5	323	336	380	397	407
140.0	335	344	377	396	406
142.5	346	348	372	395	403
145.0	353	352	368	393	399
147.5	356	354	363	389	394
150.0	358	355	360	385	387
152.5	360	357	359	379	380
155.0	361	358	360	374	374
157.5	363	361	363	370	368
160.0	365	364	366	367	364
162.5	369	368	368	365	362
165.0	373	371	368	365	361
167.5	374	372	367	364	359
170.0	374	372	366	363	359
172.5	371	369	365	361	358
175.0	369	366	363	360	357
177.5	367	364	362	360	358
180.0	361	361	361	361	361

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	246.41	N.A.	7.10
0-30	523.07	N.A.	15.00
0-40	856.75	N.A.	24.60
0-60	1489.95	N.A.	42.70
0-80	1743.32	N.A.	50.00
0-90	1755.00	N.A.	50.30
10-90	1691.07	N.A.	48.50
20-40	610.34	N.A.	17.50
20-50	951.42	N.A.	27.30
40-70	822.72	N.A.	23.60
60-80	253.37	N.A.	7.30
70-80	63.85	N.A.	1.80
80-90	11.68	N.A.	0.30
90-110	300.44	N.A.	8.60
90-120	597.71	N.A.	17.10
90-130	906.63	N.A.	26.00
90-150	1422.83	N.A.	40.80
90-180	1730.91	N.A.	49.70
110-180	1430.47	N.A.	41.00
0-180	3485.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	63.93
10-20	182.48
20-30	276.66
30-40	333.68
40-50	341.08
50-60	292.12
60-70	189.52
70-80	63.85
80-90	11.68
90-100	82.59
100-110	217.85
110-120	297.27
120-130	308.92
130-140	282.94
140-150	233.25
150-160	169.30
160-170	104.00
170-180	34.78

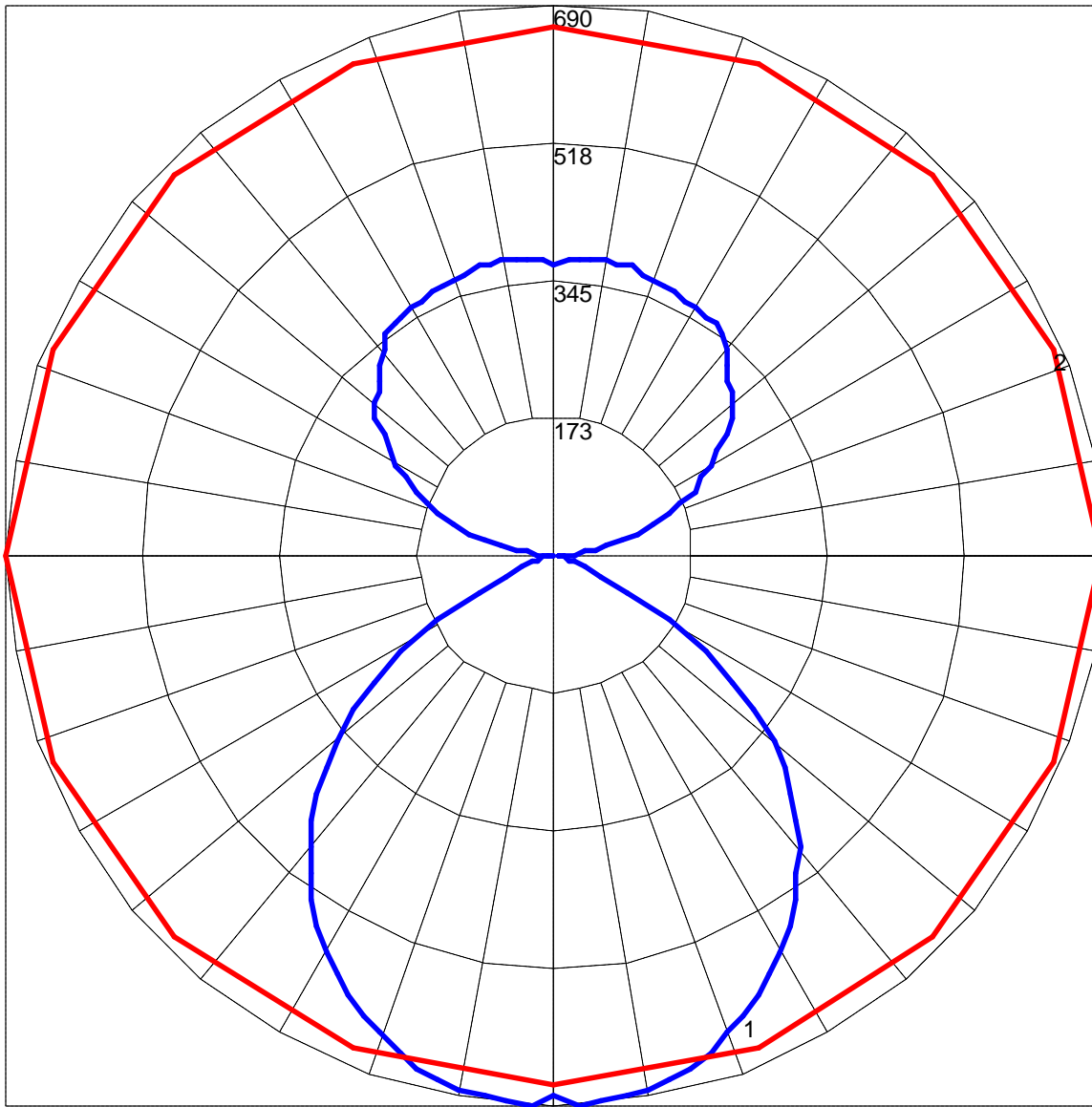
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	107	107	107	99	99	99	99	84	84	84	69	69	69	56	56	56	50
1	98	94	90	87	91	87	84	81	74	72	70	62	60	59	51	50	49	43
2	90	83	77	72	83	77	71	67	65	61	58	55	52	49	45	43	41	37
3	82	73	66	60	75	67	61	56	58	53	49	48	45	42	40	37	35	31
4	75	64	57	51	69	60	53	48	51	46	42	43	39	36	36	33	31	27
5	69	57	49	43	63	53	46	41	46	40	36	39	35	31	32	29	27	23
6	63	51	43	38	58	48	41	36	41	36	31	35	31	27	29	26	23	21
7	59	46	39	33	54	43	36	31	37	32	28	32	27	24	27	23	21	18
8	54	42	34	29	50	39	32	28	34	28	25	29	25	22	24	21	19	16
9	51	38	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17	15
10	47	35	28	23	44	33	26	22	29	23	20	25	20	17	21	18	15	13

POLAR GRAPH



Maximum Candela = 690 Located At Horizontal Angle = 0, Vertical Angle = 2.5

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

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