



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB]Dekko

[ISSUEDATE]06-19-2017

[TESTDATE]03/08/17

[MANUFAC]LSI INDUSTRIES, INC

[LUMCAT] LDI-4-LED-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	4941
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
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	776	887	1105
55	669	875	1206
65	229	696	1238
75	111	291	845
85	329	576	658

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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	186	186	186	186	186
2.5	190	188	186	185	183
5.0	191	188	187	185	184
7.5	191	189	187	185	184
10.0	191	188	187	185	184
12.5	191	188	187	187	187
15.0	190	188	187	190	190
17.5	190	187	188	193	194
20.0	190	186	189	196	198
22.5	189	186	190	200	202
25.0	187	184	191	202	206
27.5	186	183	192	205	211
30.0	184	181	192	207	215
32.5	181	179	192	209	219
35.0	177	176	191	210	221
37.5	173	172	188	210	223
40.0	167	166	185	209	223
42.5	160	161	181	206	221
45.0	153	153	175	201	218
47.5	144	145	168	195	213
50.0	135	137	160	188	208
52.5	122	126	150	179	201
55.0	107	113	140	170	193
57.5	88	98	129	159	183
60.0	66	80	115	148	172
62.5	43	60	100	135	159
65.0	27	41	82	121	146
67.5	18	28	62	105	133
70.0	13	22	42	86	120
72.5	10	18	28	64	102
75.0	8	15	21	39	61
77.5	7	14	17	23	38
80.0	8	13	15	18	26
82.5	8	12	14	16	19
85.0	8	11	14	15	16
87.5	7	12	15	17	17
90.0	6	14	21	18	18
92.5	22	71	72	54	57
95.0	46	121	160	233	203
97.5	75	172	250	260	239
100.0	109	234	362	393	389
102.5	146	308	465	570	557
105.0	189	386	567	687	717
107.5	234	455	661	795	849
110.0	281	508	730	854	899
112.5	327	552	786	904	948
115.0	374	585	825	953	992
117.5	420	617	853	995	1036
120.0	466	645	877	1019	1069
122.5	510	666	898	1036	1084
125.0	554	686	914	1047	1094
127.5	593	706	926	1055	1098
130.0	634	724	934	1059	1102
132.5	670	741	938	1057	1099

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CANDELA TABULATION - (Cont.)

135.0	703	758	937	1052	1092
137.5	735	775	934	1047	1083
140.0	762	791	927	1037	1072
142.5	786	807	919	1022	1057
145.0	810	824	910	1005	1038
147.5	831	840	900	983	1015
150.0	849	854	893	961	991
152.5	864	867	888	939	964
155.0	878	878	887	920	939
157.5	887	887	888	906	918
160.0	896	895	892	898	904
162.5	902	901	896	895	897
165.0	907	905	899	897	896
167.5	908	906	900	897	894
170.0	910	907	901	896	894
172.5	909	907	901	895	893
175.0	909	906	900	895	891
177.5	908	904	898	893	890
180.0	897	897	897	897	897

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	71.45	N.A.	1.40
0-30	161.05	N.A.	3.30
0-40	282.35	N.A.	5.70
0-60	546.69	N.A.	11.10
0-80	661.55	N.A.	13.40
0-90	677.06	N.A.	13.70
10-90	659.22	N.A.	13.30
20-40	210.90	N.A.	4.30
20-50	348.35	N.A.	7.00
40-70	346.85	N.A.	7.00
60-80	114.86	N.A.	2.30
70-80	32.35	N.A.	0.70
80-90	15.51	N.A.	0.30
90-110	701.68	N.A.	14.20
90-120	1452.22	N.A.	29.40
90-130	2228.08	N.A.	45.10
90-150	3507.01	N.A.	71.00
90-180	4264.38	N.A.	86.30
110-180	3562.69	N.A.	72.10
0-180	4941.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	17.84
10-20	53.61
20-30	89.61
30-40	121.30
40-50	137.45
50-60	126.89
60-70	82.51
70-80	32.35
80-90	15.51
90-100	160.92
100-110	540.76
110-120	750.53
120-130	775.86
130-140	704.44
140-150	574.49
150-160	416.49
160-170	254.92
170-180	85.96

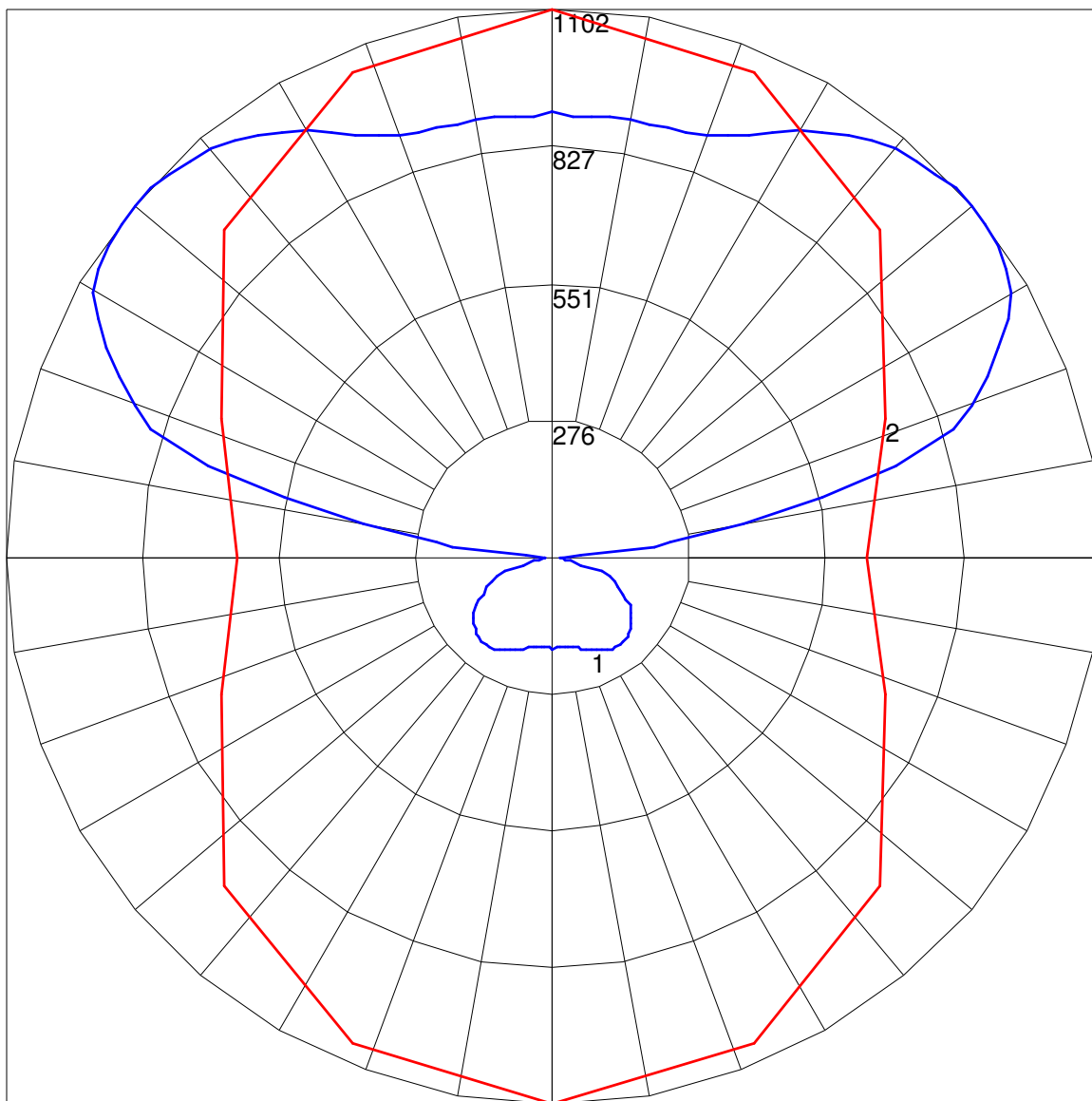
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	99	99	99	99	86	86	86	86	63	63	63	42	42	42	23	23	23	14
1	90	86	82	79	78	75	72	69	55	53	51	37	36	35	20	20	19	11
2	82	75	69	64	71	65	61	57	48	45	42	32	30	29	18	17	16	10
3	74	65	58	53	65	57	52	47	42	39	35	28	26	24	15	14	13	8
4	68	58	50	44	59	51	44	40	37	33	30	25	23	21	14	12	11	7
5	62	51	43	38	54	45	38	34	33	29	26	22	20	18	12	11	10	6
6	57	45	38	32	49	40	34	29	30	25	22	20	17	15	11	10	9	5
7	52	41	33	28	46	36	29	25	27	22	19	18	15	13	10	9	7	4
8	48	37	29	24	42	32	26	22	24	20	17	16	14	12	9	8	7	4
9	45	33	26	21	39	29	23	19	22	18	15	15	12	10	8	7	6	3
10	42	30	23	19	36	27	21	17	20	16	13	14	11	9	8	6	5	3

POLAR GRAPH



Maximum Candela = 1102 Located At Horizontal Angle = 90, Vertical Angle = 130
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (130) (Through Max. Cd.)