



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDI-4-LED-PL-HO-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB]

[ISSUEDATE]06-19-2017

[TESTDATE]03/08/17

[MANUFAC]LSI INDUSTRIES, INC

[LUMCAT] LDI-4-LED-PL-HO-35

[_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	4778
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
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	750	858	1069
55	647	846	1166
65	221	673	1197
75	107	281	817
85	318	557	636

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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	179.862	179.862	179.862	179.862	179.862
2.5	183.730	181.796	179.862	178.895	176.961
5.0	184.697	181.796	180.829	178.895	177.928
7.5	184.697	182.763	180.829	178.895	177.928
10.0	184.697	181.796	180.829	178.895	177.928
12.5	184.697	181.796	180.829	180.829	180.829
15.0	183.730	181.796	180.829	183.730	183.730
17.5	183.730	180.829	181.796	186.631	187.598
20.0	183.730	179.862	182.763	189.532	191.466
22.5	182.763	179.862	183.730	193.400	195.334
25.0	180.829	177.928	184.697	195.334	199.202
27.5	179.862	176.961	185.664	198.235	204.037
30.0	177.928	175.027	185.664	200.169	207.905
32.5	175.027	173.093	185.664	202.103	211.773
35.0	171.159	170.192	184.697	203.070	213.707
37.5	167.291	166.324	181.796	203.070	215.641
40.0	161.489	160.522	178.895	202.103	215.641
42.5	154.720	155.687	175.027	199.202	213.707
45.0	147.951	147.951	169.225	194.367	210.806
47.5	139.248	140.215	162.456	188.565	205.971
50.0	130.545	132.479	154.720	181.796	201.136
52.5	117.974	121.842	145.050	173.093	194.367
55.0	103.469	109.271	135.380	164.390	186.631
57.5	85.096	94.766	124.743	153.753	176.961
60.0	63.822	77.360	111.205	143.116	166.324
62.5	41.581	58.020	96.700	130.545	153.753
65.0	26.109	39.647	79.294	117.007	141.182
67.5	17.406	27.076	59.954	101.535	128.611
70.0	12.571	21.274	40.614	83.162	116.040
72.5	9.670	17.406	27.076	61.888	98.634
75.0	7.736	14.505	20.307	37.713	58.987
77.5	6.769	13.538	16.439	22.241	36.746
80.0	7.736	12.571	14.505	17.406	25.142
82.5	7.736	11.604	13.538	15.472	18.373
85.0	7.736	10.637	13.538	14.505	15.472
87.5	6.769	11.604	14.505	16.439	16.439
90.0	5.802	13.538	20.307	17.406	17.406
92.5	21.274	68.657	69.624	52.218	55.119
95.0	44.482	117.007	154.720	225.311	196.301
97.5	72.525	166.324	241.750	251.420	231.113
100.0	105.403	226.278	350.054	380.031	376.163
102.5	141.182	297.836	449.655	551.190	538.619
105.0	182.763	373.262	548.289	664.329	693.339
107.5	226.278	439.985	639.187	768.765	820.983
110.0	271.727	491.236	705.910	825.818	869.333
112.5	316.209	533.784	760.062	874.168	916.716
115.0	361.658	565.695	797.775	921.551	959.264
117.5	406.140	596.639	824.851	962.165	1001.812
120.0	450.622	623.715	848.059	985.373	1033.723
122.5	493.170	644.022	868.366	1001.812	1048.228
125.0	535.718	663.362	883.838	1012.449	1057.898
127.5	573.431	682.702	895.442	1020.185	1061.766
130.0	613.078	700.108	903.178	1024.053	1065.634
132.5	647.890	716.547	907.046	1022.119	1062.733

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CANDELA TABULATION - (Cont.)

135.0	679.801	732.986	906.079	1017.284	1055.964
137.5	710.745	749.425	903.178	1012.449	1047.261
140.0	736.854	764.897	896.409	1002.779	1036.624
142.5	760.062	780.369	888.673	988.274	1022.119
145.0	783.270	796.808	879.970	971.835	1003.746
147.5	803.577	812.280	870.300	950.561	981.505
150.0	820.983	825.818	863.531	929.287	958.297
152.5	835.488	838.389	858.696	908.013	932.188
155.0	849.026	849.026	857.729	889.640	908.013
157.5	857.729	857.729	858.696	876.102	887.706
160.0	866.432	865.465	862.564	868.366	874.168
162.5	872.234	871.267	866.432	865.465	867.399
165.0	877.069	875.135	869.333	867.399	866.432
167.5	878.036	876.102	870.300	867.399	864.498
170.0	879.970	877.069	871.267	866.432	864.498
172.5	879.003	877.069	871.267	865.465	863.531
175.0	879.003	876.102	870.300	865.465	861.597
177.5	878.036	874.168	868.366	863.531	860.630
180.0	867.399	867.399	867.399	867.399	867.399

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	69.09	N.A.	1.40
0-30	155.74	N.A.	3.30
0-40	273.03	N.A.	5.70
0-60	528.65	N.A.	11.10
0-80	639.72	N.A.	13.40
0-90	654.72	N.A.	13.70
10-90	637.47	N.A.	13.30
20-40	203.94	N.A.	4.30
20-50	336.86	N.A.	7.00
40-70	335.40	N.A.	7.00
60-80	111.07	N.A.	2.30
70-80	31.29	N.A.	0.70
80-90	15.00	N.A.	0.30
90-110	678.53	N.A.	14.20
90-120	1404.29	N.A.	29.40
90-130	2154.56	N.A.	45.10
90-150	3391.28	N.A.	71.00
90-180	4123.65	N.A.	86.30
110-180	3445.13	N.A.	72.10
0-180	4778.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	17.25
10-20	51.84
20-30	86.65
30-40	117.29
40-50	132.92
50-60	122.70
60-70	79.78
70-80	31.29
80-90	15.00
90-100	155.61
100-110	522.92
110-120	725.77
120-130	750.26
130-140	681.20
140-150	555.53
150-160	402.74
160-170	246.51
170-180	83.12

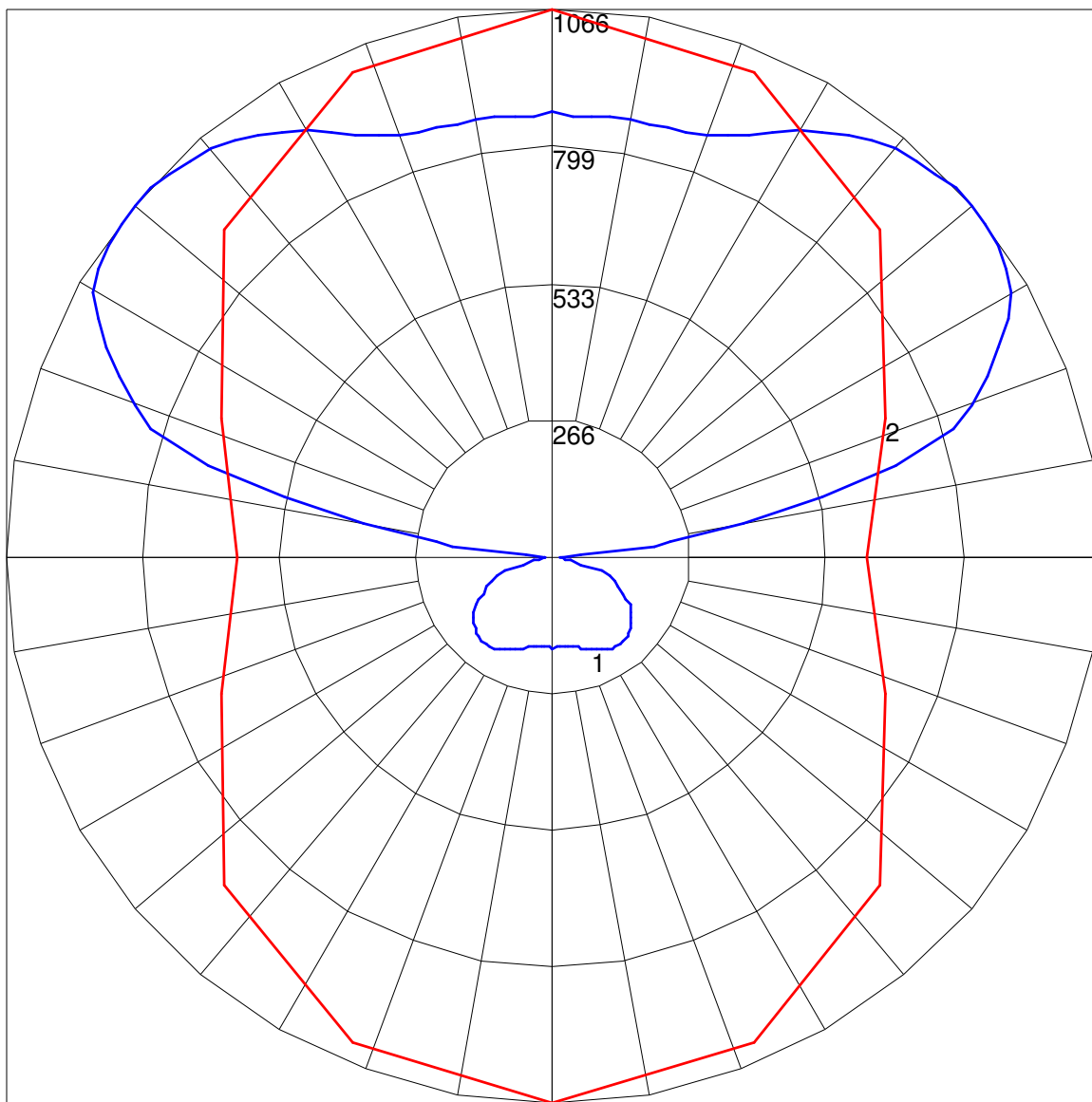
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1065.634 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.)