



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-7322A
[TESTLAB]Dekko
[ISSUE DATE]06-19-2017
[TEST DATE]10/01/15
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT] LDI-4-LED-PL-VHO-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	5717
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	69
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	1002	1164	1455
55	866	1174	1609
65	299	974	1774
75	148	454	1340
85	438	708	911

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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	238.62	238.62	238.62	238.62	238.62
2.5	244.36	240.26	239.44	236.98	235.34
5.0	245.18	241.08	239.44	237.80	236.16
7.5	245.18	241.08	240.26	238.62	237.80
10.0	245.18	241.08	241.08	240.26	239.44
12.5	245.18	241.08	241.90	242.72	242.72
15.0	244.36	241.08	242.72	246.00	246.00
17.5	243.54	240.26	243.54	250.10	250.92
20.0	243.54	240.26	244.36	254.20	255.84
22.5	242.72	239.44	246.00	258.30	262.40
25.0	241.08	238.62	247.64	263.22	268.14
27.5	238.62	236.98	248.46	266.50	273.88
30.0	236.16	235.34	249.28	269.78	279.62
32.5	232.06	232.06	248.46	272.24	283.72
35.0	227.96	227.96	246.82	273.88	287.82
37.5	223.04	223.04	245.18	273.88	290.28
40.0	215.66	217.30	241.08	272.24	290.28
42.5	206.64	209.10	236.16	269.78	289.46
45.0	197.62	200.08	229.60	264.86	287.00
47.5	186.14	190.24	221.40	259.12	282.90
50.0	173.02	178.76	210.74	250.92	275.52
52.5	157.44	164.82	200.08	240.26	267.32
55.0	138.58	149.24	187.78	229.60	257.48
57.5	116.44	130.38	173.84	215.66	246.82
60.0	89.38	108.24	156.62	202.54	234.52
62.5	59.04	82.00	137.76	187.78	226.32
65.0	35.26	56.58	114.80	172.20	209.10
67.5	23.78	38.54	90.20	149.24	189.42
70.0	17.22	28.70	66.42	123.00	168.92
72.5	13.12	23.78	45.92	94.30	127.92
75.0	10.66	20.50	32.80	67.24	96.76
77.5	9.02	18.04	25.42	45.92	72.16
80.0	9.02	16.40	21.32	27.88	42.64
82.5	11.48	15.58	18.04	21.32	31.16
85.0	10.66	13.94	17.22	18.86	22.14
87.5	9.84	13.12	16.40	18.04	18.86
90.0	9.02	14.76	21.32	18.04	18.86
92.5	43.46	97.58	80.36	56.58	49.20
95.0	72.98	118.90	227.96	173.84	112.34
97.5	111.52	169.74	226.32	258.30	291.92
100.0	156.62	225.50	289.46	305.86	269.78
102.5	213.20	288.64	366.54	355.88	346.86
105.0	275.52	356.70	447.72	466.58	461.66
107.5	341.12	424.76	530.54	584.66	580.56
110.0	410.00	493.64	598.60	674.04	687.16
112.5	481.34	561.70	665.02	738.82	765.88
115.0	551.04	626.48	722.42	800.32	830.66
117.5	623.20	687.98	776.54	846.24	872.48
120.0	687.98	752.76	829.02	892.98	913.48
122.5	756.86	812.62	883.14	937.26	956.94
125.0	815.90	870.02	933.98	984.00	998.76
127.5	874.94	925.78	982.36	1025.82	1040.58
130.0	929.88	978.26	1023.36	1065.18	1079.12
132.5	983.18	1024.18	1058.62	1103.72	1114.38

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CANDELA TABULATION - (Cont.)

135.0	1031.56	1068.46	1090.60	1138.16	1147.18
137.5	1079.12	1109.46	1122.58	1166.86	1177.52
140.0	1123.40	1145.54	1157.02	1188.18	1202.94
142.5	1161.94	1175.06	1185.72	1205.40	1217.70
145.0	1195.56	1202.12	1213.60	1223.44	1230.82
147.5	1225.08	1225.90	1243.12	1242.30	1244.76
150.0	1250.50	1247.22	1268.54	1257.06	1258.70
152.5	1271.82	1265.26	1284.94	1275.92	1268.54
155.0	1290.68	1282.48	1293.14	1298.88	1286.58
157.5	1306.26	1298.06	1297.24	1312.00	1309.54
160.0	1316.92	1311.18	1302.98	1310.36	1314.46
162.5	1324.30	1321.02	1309.54	1308.72	1309.54
165.0	1330.86	1326.76	1316.10	1310.36	1308.72
167.5	1334.96	1330.86	1321.02	1312.82	1309.54
170.0	1335.78	1332.50	1325.12	1316.10	1312.82
172.5	1337.42	1332.50	1325.12	1316.92	1312.82
175.0	1337.42	1331.68	1322.66	1314.46	1308.72
177.5	1335.78	1329.22	1320.20	1311.18	1304.62
180.0	1317.74	1317.74	1317.74	1317.74	1317.74

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	92.15	N.A.	1.60
0-30	208.20	N.A.	3.60
0-40	365.72	N.A.	6.40
0-60	715.36	N.A.	12.50
0-80	879.63	N.A.	15.40
0-90	899.01	N.A.	15.70
10-90	876.09	N.A.	15.30
20-40	273.57	N.A.	4.80
20-50	453.77	N.A.	7.90
40-70	465.19	N.A.	8.10
60-80	164.27	N.A.	2.90
70-80	48.72	N.A.	0.90
80-90	19.38	N.A.	0.30
90-110	592.08	N.A.	10.40
90-120	1290.56	N.A.	22.60
90-130	2115.94	N.A.	37.00
90-150	3722.38	N.A.	65.10
90-180	4817.49	N.A.	84.30
110-180	4225.41	N.A.	73.90
0-180	5716.5	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	22.93
10-20	69.22
20-30	116.06
30-40	157.51
40-50	180.20
50-60	169.44
60-70	115.55
70-80	48.72
80-90	19.38
90-100	156.60
100-110	435.49
110-120	698.48
120-130	825.38
130-140	846.08
140-150	760.35
150-160	595.43
160-170	373.35
170-180	126.34

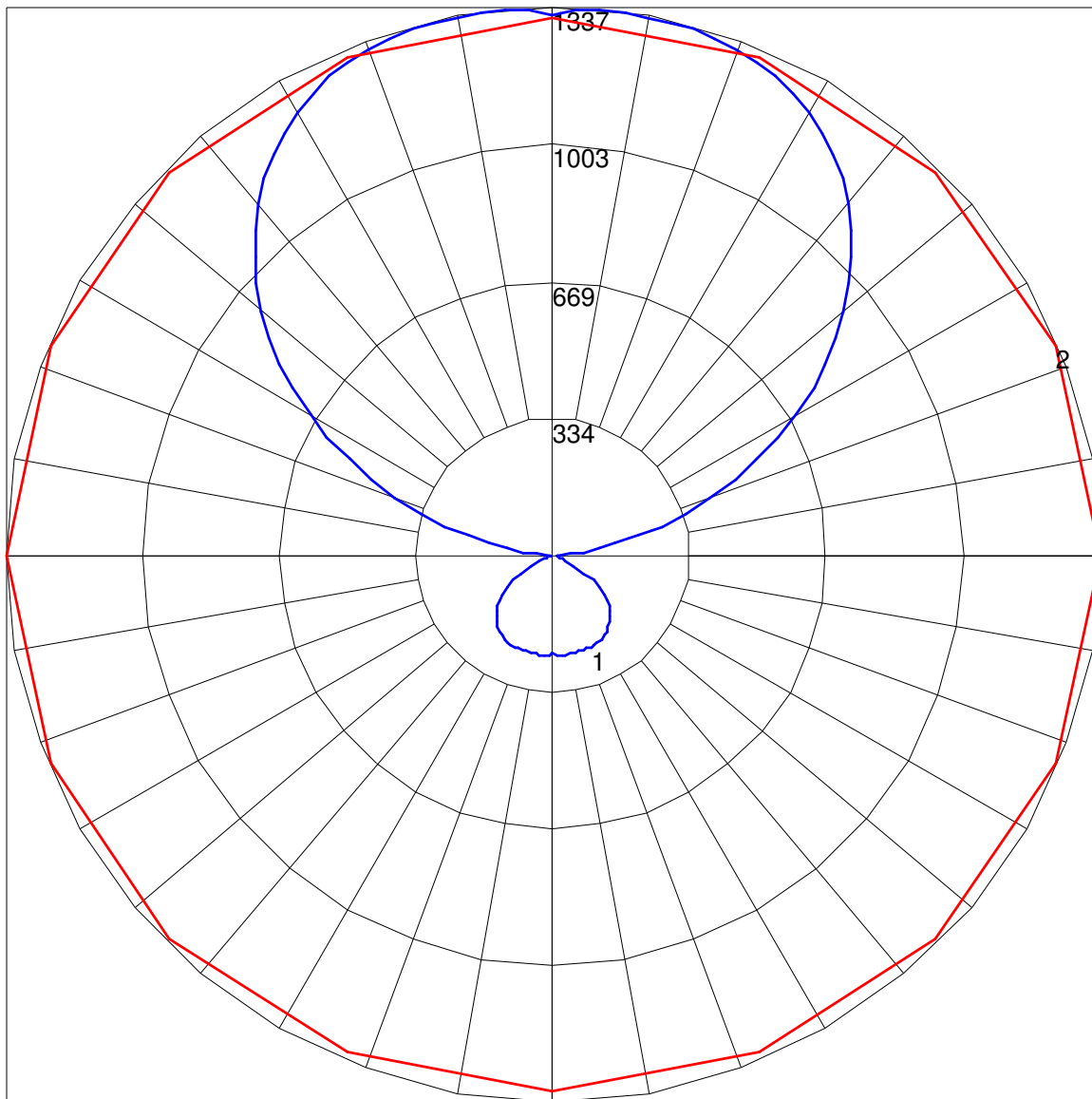
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	87	87	87	87	64	64	64	44	44	44	25	25	25	16
1	90	86	82	79	79	76	72	70	56	54	52	38	37	36	22	21	21	13
2	82	75	69	64	72	66	61	57	49	46	43	33	31	30	19	18	17	11
3	75	66	59	53	65	58	52	47	43	39	36	29	27	25	17	15	14	9
4	68	58	50	45	59	51	45	40	38	34	30	26	23	21	15	13	12	8
5	62	51	43	38	54	45	39	34	34	29	26	23	20	18	13	12	11	7
6	57	46	38	32	50	40	34	29	30	26	22	21	18	16	12	10	9	6
7	52	41	33	28	46	36	30	25	27	23	19	19	16	14	11	9	8	5
8	48	37	29	24	42	33	26	22	24	20	17	17	14	12	10	8	7	4
9	45	33	26	21	39	30	23	19	22	18	15	15	13	11	9	7	6	4
10	42	30	24	19	37	27	21	17	20	16	13	14	11	9	8	7	6	3

POLAR GRAPH



Maximum Candela = 1337.42 Located At Horizontal Angle = 0, Vertical Angle = 172.5

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

2 - Horizontal Cone Through Vertical Angle (172.5) (Through Max. Cd.)