



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-100-PB-SS-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LDI LED 4 PB SS NW S UE 0 100
[TESTLAB] Dekko
[TESTDATE] 03-20-2017
[ISSUEDATE] 06-19-2017
[MANUFAC] 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-100-PB-SS-40

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3772
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	38
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.04
Spacing Criterion (Diagonal)	1.20
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 m
Luminous Width (90-270)	0.75 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	522	397	359
55	491	326	277
65	420	250	213
75	279	188	177
85	141	163	155

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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	1776.596	1776.596	1776.596	1776.596	1776.596	1776.596	1776.596	1776.596	1776.596	1776.596
10	1698.503	1693.893	1684.117	1677.542	1669.855	1664.701	1658.571	1657.497	1658.319	1656.977
20	1582.781	1573.074	1549.089	1519.690	1492.476	1470.704	1456.870	1450.230	1451.953	1455.118
30	1434.049	1414.065	1368.533	1310.655	1267.487	1228.187	1203.387	1192.241	1193.640	1198.196
40	1230.883	1202.188	1139.509	1072.133	1007.175	957.857	924.607	909.043	907.902	915.577
50	985.178	950.002	877.945	799.065	729.043	673.067	634.450	611.354	608.276	608.513
60	706.262	672.859	599.235	518.980	453.574	389.645	352.737	343.151	342.681	344.238
70	360.233	343.060	306.765	259.586	218.353	206.499	200.748	195.987	194.905	195.197
80	73.571	75.809	77.800	79.428	79.642	80.116	80.555	81.282	80.325	79.794
90	0.000	0.000	0.000	2.061	4.970	5.961	5.172	3.893	2.436	1.537

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	613.78	N.A.	16.30
0-30	1256.07	N.A.	33.30
0-40	1978.08	N.A.	52.40
0-60	3203.23	N.A.	84.90
0-80	3727.6	N.A.	98.80
0-90	3772.26	N.A.	100.00
10-90	3607.7	N.A.	95.60
20-40	1364.29	N.A.	36.20
20-50	2047.26	N.A.	54.30
40-70	1578.18	N.A.	41.80
60-80	524.36	N.A.	13.90
70-80	171.34	N.A.	4.50
80-90	44.67	N.A.	1.20
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3772.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	164.56
10-20	449.22
20-30	642.29
30-40	722.01
40-50	682.96
50-60	542.19
60-70	353.03
70-80	171.34
80-90	44.67
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

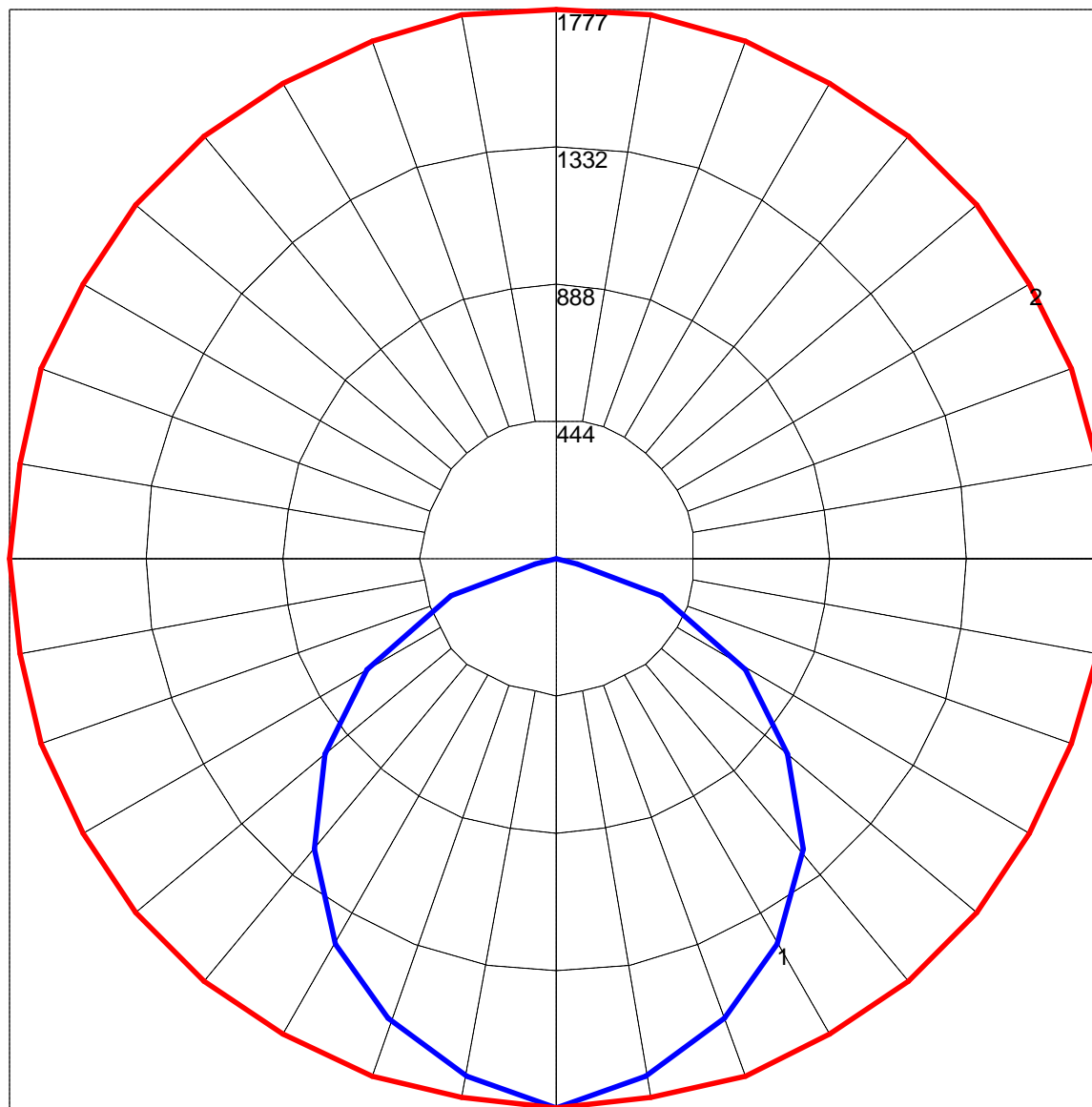
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	48
6	73	60	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43
7	68	55	47	41	66	54	46	41	53	46	41	51	45	40	50	44	40	38
8	63	51	42	37	62	50	42	37	49	42	37	47	41	36	46	40	36	34
9	59	47	39	33	58	46	38	33	45	38	33	44	38	33	43	37	33	31
10	56	43	36	30	55	43	35	30	42	35	30	41	35	30	40	34	30	28

POLAR GRAPH



Maximum Candela = 1776.596 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.)

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