



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-100-PL-HO-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LDI LED 4 PL HO WW S UE 0 100
[TESTLAB] Dekko
[TESTDATE] 03-16-2017
[ISSUE DATE] 06-19-2017
[MANUFACTURER] 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-PL-HO-35

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3914
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	50.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.30
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	5710	4924	4685
55	5418	4254	3363
65	4759	2734	1541
75	3192	1129	725
85	1823	1341	1267

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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	1691.925	1691.925	1691.925	1691.925	1691.925	1691.925	1691.925	1691.925	1691.925	1691.925
10	1633.417	1628.482	1624.920	1622.692	1623.456	1625.532	1628.237	1625.950	1624.772	1617.787
20	1544.814	1538.248	1528.662	1515.363	1499.710	1485.862	1482.807	1483.883	1488.907	1483.874
30	1423.227	1415.235	1394.209	1361.790	1332.027	1309.213	1295.631	1291.965	1301.999	1301.355
40	1243.401	1230.172	1193.971	1153.724	1117.515	1085.445	1062.648	1053.460	1061.864	1067.524
50	1009.512	986.485	941.674	899.100	859.865	822.632	793.708	774.568	774.063	780.660
60	724.389	701.130	653.634	606.313	554.064	486.243	412.850	345.571	306.557	295.463
70	397.660	369.503	305.642	228.837	148.328	100.672	83.581	73.934	69.190	67.803
80	63.278	58.960	49.554	42.862	39.314	37.808	37.899	37.383	37.032	36.963
90	25.349	25.754	25.957	26.307	26.674	26.647	27.632	27.946	26.112	24.654

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	601.92	N.A.	15.40
0-30	1260.27	N.A.	32.20
0-40	2034.3	N.A.	52.00
0-60	3417.02	N.A.	87.30
0-80	3876.04	N.A.	99.00
0-90	3914.16	N.A.	100.00
10-90	3755.83	N.A.	96.00
20-40	1432.38	N.A.	36.60
20-50	2200.87	N.A.	56.20
40-70	1723.99	N.A.	44.00
60-80	459.02	N.A.	11.70
70-80	117.74	N.A.	3.00
80-90	38.12	N.A.	1.00
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	3914.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	158.33
10-20	443.58
20-30	658.35
30-40	774.03
40-50	768.48
50-60	614.23
60-70	341.28
70-80	117.74
80-90	38.12
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

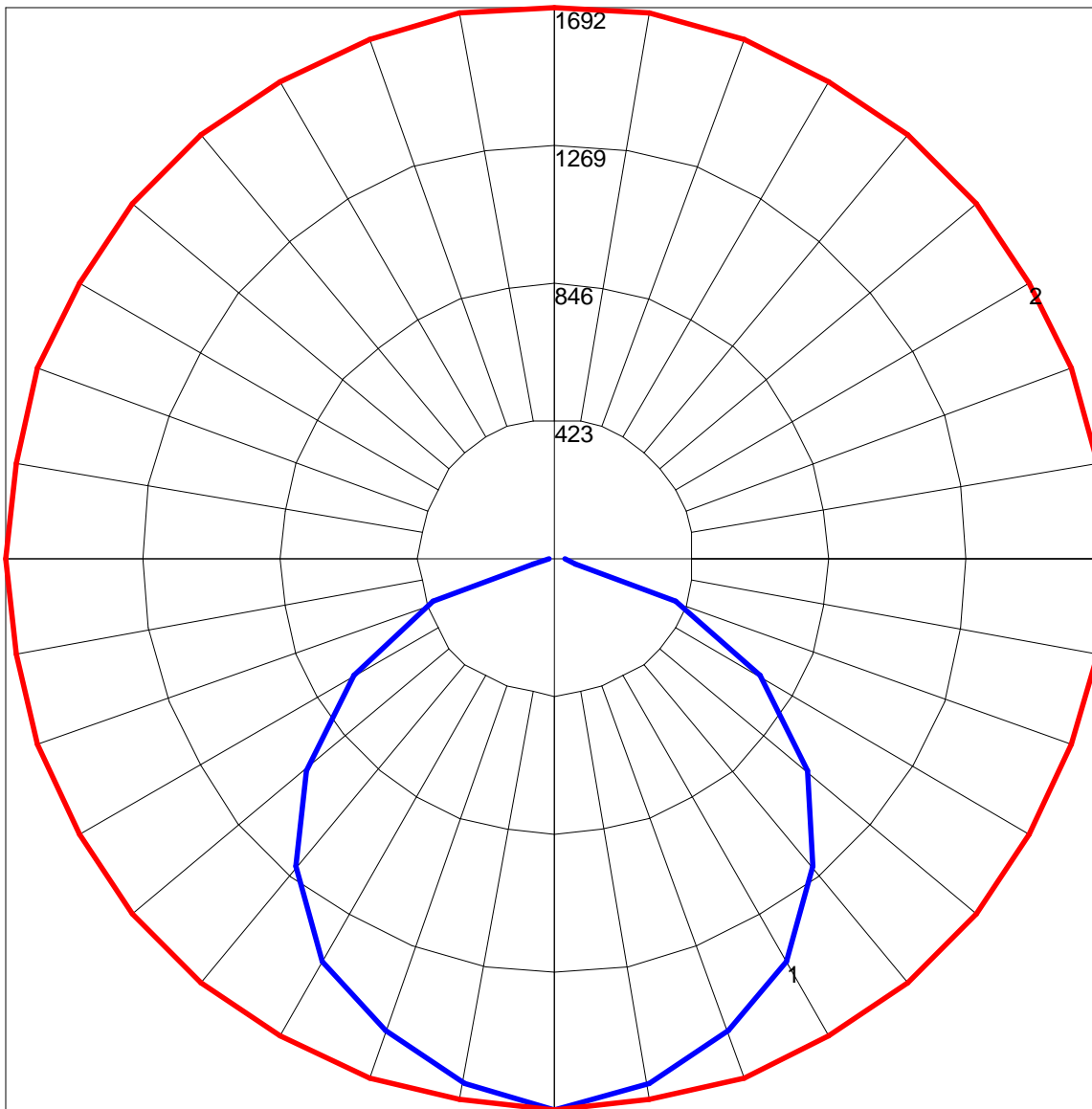
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87
2	101	94	88	83	99	92	86	82	89	84	80	85	81	78	82	79	76	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	64
4	86	74	66	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	52	77	66	58	52	64	57	51	62	56	51	60	55	50	48
6	73	61	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	40	51	45	40	50	44	40	38
8	63	50	42	37	62	50	42	37	48	41	36	47	41	36	46	40	36	34
9	59	46	38	33	58	46	38	33	45	38	33	44	37	33	43	37	33	31
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	40	34	30	28

POLAR GRAPH



Maximum Candela = 1691.925 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.)