



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-100-PL-SS-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LDI LED 4 PL SS SW 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-SS-30

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3268
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	38
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	4768	4111	3911
55	4523	3552	2807
65	3973	2283	1286
75	2665	943	606
85	1522	1120	1058

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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	1412.561	1412.561	1412.561	1412.561	1412.561	1412.561	1412.561	1412.561	1412.561	1412.561
10	1363.713	1359.593	1356.619	1354.759	1355.397	1357.130	1359.389	1357.480	1356.496	1350.664
20	1289.740	1284.259	1276.255	1265.152	1252.084	1240.522	1237.971	1238.870	1243.064	1238.862
30	1188.229	1181.557	1164.002	1136.936	1112.087	1093.041	1081.701	1078.641	1087.018	1086.480
40	1038.095	1027.050	996.827	963.225	932.995	906.220	887.187	879.517	886.533	891.258
50	842.825	823.600	786.188	750.644	717.887	686.802	662.654	646.675	646.252	651.760
60	604.781	585.362	545.708	506.201	462.579	405.956	344.682	288.512	255.940	246.678
70	332.000	308.492	255.176	191.052	123.836	84.049	69.780	61.726	57.765	56.608
80	52.830	49.225	41.372	35.785	32.823	31.565	31.642	31.211	30.917	30.860
90	21.164	21.502	21.671	21.963	22.269	22.247	23.069	23.331	21.801	20.583

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	502.53	N.A.	15.40
0-30	1052.18	N.A.	32.20
0-40	1698.41	N.A.	52.00
0-60	2852.81	N.A.	87.30
0-80	3236.04	N.A.	99.00
0-90	3267.87	N.A.	100.00
10-90	3135.68	N.A.	96.00
20-40	1195.87	N.A.	36.60
20-50	1837.47	N.A.	56.20
40-70	1439.33	N.A.	44.00
60-80	383.23	N.A.	11.70
70-80	98.30	N.A.	3.00
80-90	31.83	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	3267.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	132.19
10-20	370.34
20-30	549.65
30-40	646.23
40-50	641.59
50-60	512.81
60-70	284.93
70-80	98.30
80-90	31.83
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

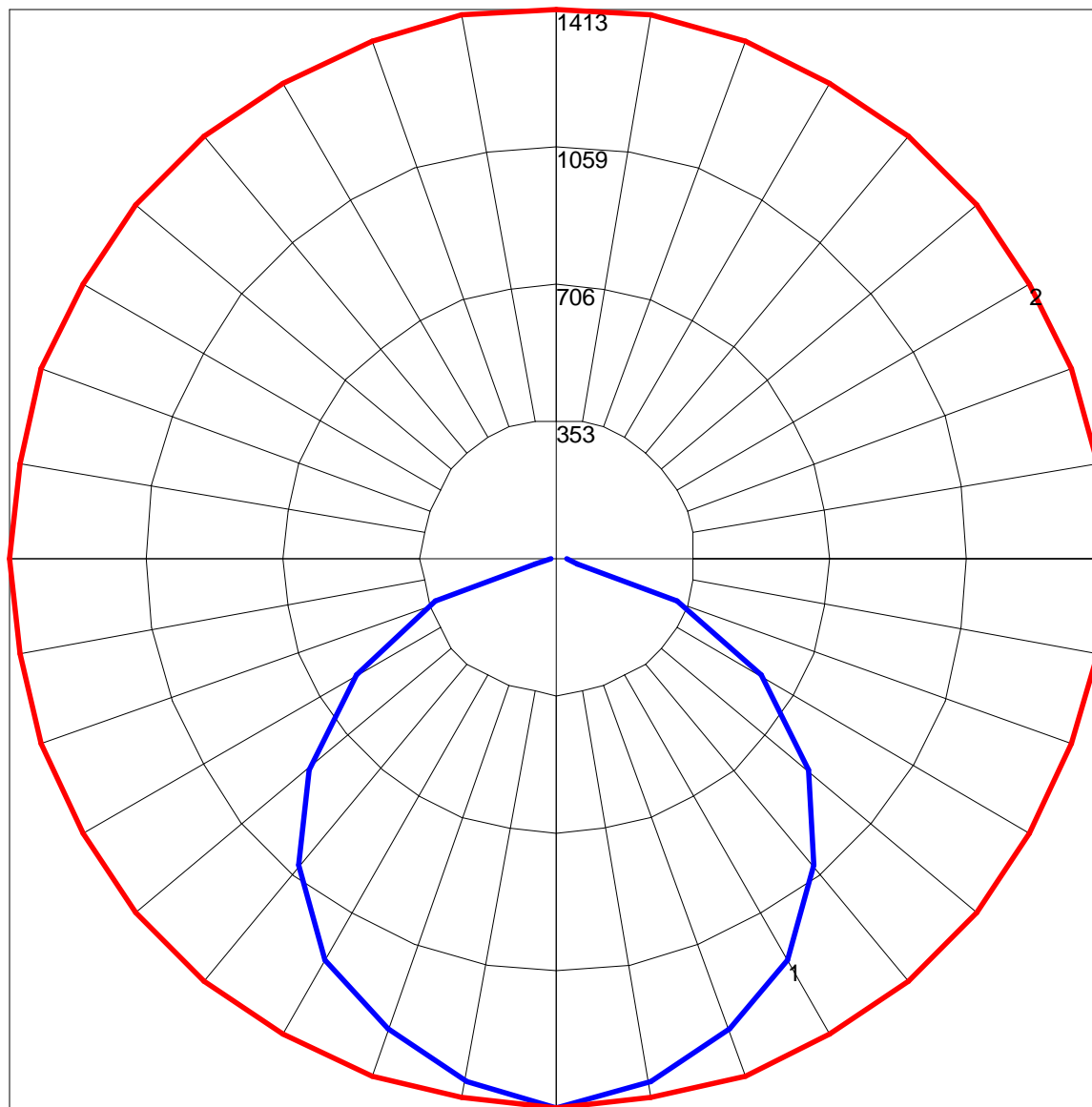
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1412.561 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.)