



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LDI LED 4 PL HO SW S UE 0 100
[TESTLAB] Dekko
[TESTDATE] 03-16-2017
[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-PL-HO-30

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3800
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
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	5544	4781	4548
55	5261	4130	3265
65	4620	2654	1496
75	3099	1096	704
85	1770	1302	1230

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

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	1642.741	1642.741	1642.741	1642.741	1642.741	1642.741	1642.741	1642.741	1642.741	1642.741
10	1585.934	1581.143	1577.684	1575.521	1576.263	1578.278	1580.905	1578.684	1577.540	1570.759
20	1499.906	1493.532	1484.224	1471.312	1456.114	1442.669	1439.702	1440.747	1445.625	1440.738
30	1381.854	1374.094	1353.679	1322.203	1293.305	1271.155	1257.968	1254.408	1264.150	1263.524
40	1207.255	1194.411	1159.262	1120.185	1085.029	1053.891	1031.757	1022.837	1030.995	1036.491
50	980.166	957.808	914.300	872.963	834.869	798.718	770.635	752.052	751.561	757.966
60	703.331	680.748	634.633	588.688	537.957	472.108	400.848	335.526	297.646	286.874
70	386.100	358.762	296.757	222.184	144.016	97.745	81.151	71.785	67.178	65.832
80	61.438	57.246	48.114	41.616	38.171	36.709	36.798	36.297	35.955	35.888
90	24.612	25.006	25.203	25.542	25.898	25.872	26.829	27.133	25.353	23.937

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

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	584.42	N.A.	15.40
0-30	1223.64	N.A.	32.20
0-40	1975.17	N.A.	52.00
0-60	3317.69	N.A.	87.30
0-80	3763.36	N.A.	99.00
0-90	3800.38	N.A.	100.00
10-90	3646.65	N.A.	96.00
20-40	1390.75	N.A.	36.60
20-50	2136.89	N.A.	56.20
40-70	1673.88	N.A.	44.00
60-80	445.68	N.A.	11.70
70-80	114.32	N.A.	3.00
80-90	37.02	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	3800.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	153.73
10-20	430.69
20-30	639.21
30-40	751.53
40-50	746.14
50-60	596.37
60-70	331.36
70-80	114.32
80-90	37.02
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

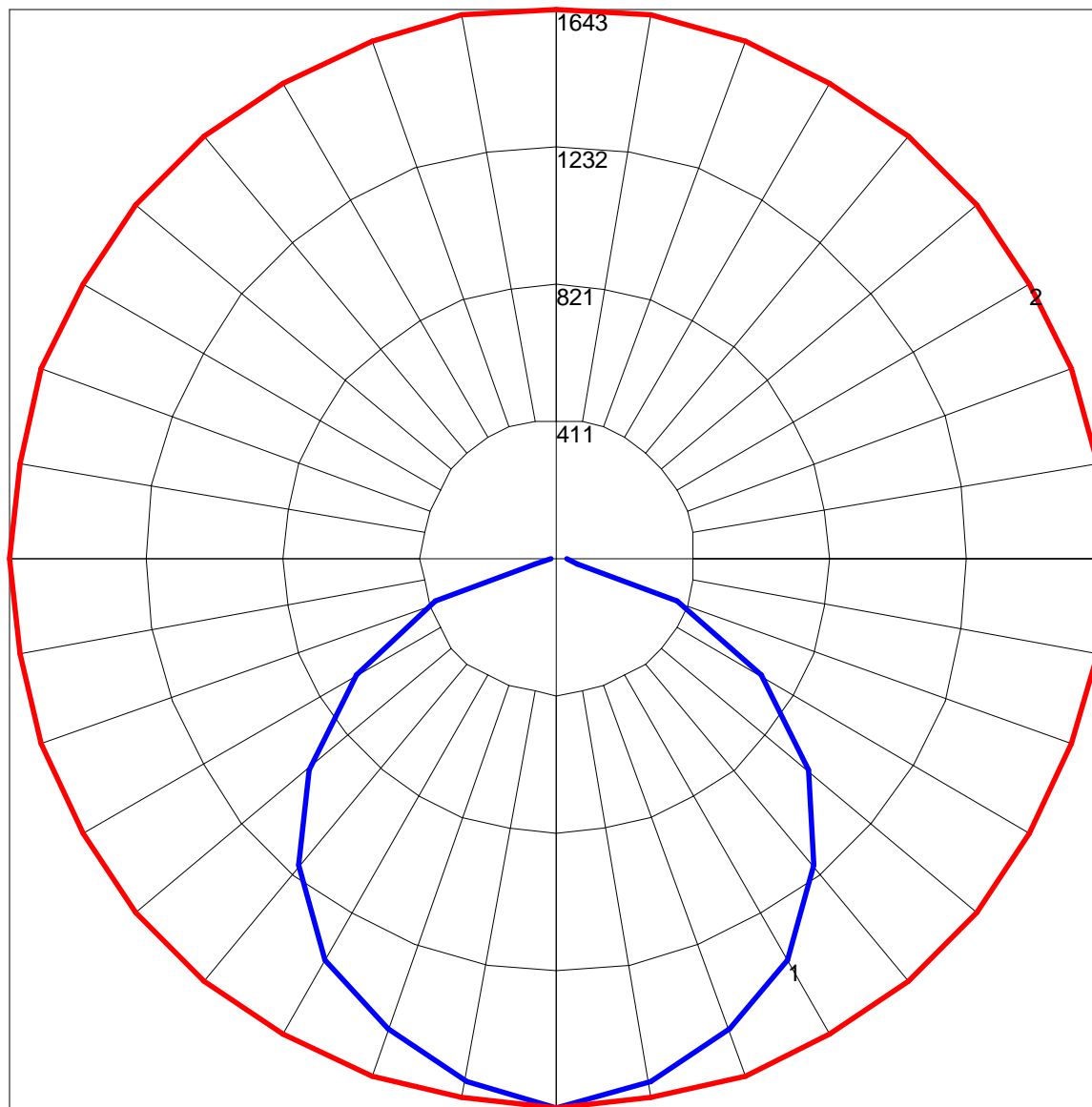
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-100-PL-HO-30.IES

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	52	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 = 1642.741 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.)