



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LDI LED 4 PL SS WW 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-SS-35

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3368
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
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	4914	4237	4031
55	4662	3660	2893
65	4095	2352	1326
75	2747	972	624
85	1568	1154	1090

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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	1455.843	1455.843	1455.843	1455.843	1455.843	1455.843	1455.843	1455.843	1455.843	1455.843
10	1405.498	1401.252	1398.187	1396.270	1396.928	1398.713	1401.041	1399.074	1398.060	1392.050
20	1329.258	1323.609	1315.360	1303.917	1290.448	1278.533	1275.904	1276.829	1281.152	1276.822
30	1224.637	1217.760	1199.668	1171.773	1146.162	1126.532	1114.846	1111.691	1120.324	1119.770
40	1069.903	1058.520	1027.370	992.739	961.583	933.987	914.371	906.466	913.697	918.567
50	868.650	848.836	810.278	773.644	739.884	707.846	682.958	666.489	666.054	671.731
60	623.312	603.298	562.429	521.711	476.752	418.395	355.243	297.352	263.782	254.236
70	342.172	317.945	262.995	196.906	127.631	86.624	71.918	63.618	59.535	58.342
80	54.448	50.733	42.640	36.882	33.828	32.533	32.611	32.167	31.864	31.805
90	21.812	22.161	22.335	22.636	22.952	22.929	23.776	24.046	22.469	21.214

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	517.93	N.A.	15.40
0-30	1084.42	N.A.	32.20
0-40	1750.45	N.A.	52.00
0-60	2940.22	N.A.	87.30
0-80	3335.2	N.A.	99.00
0-90	3368.00	N.A.	100.00
10-90	3231.76	N.A.	96.00
20-40	1232.52	N.A.	36.60
20-50	1893.77	N.A.	56.20
40-70	1483.44	N.A.	44.00
60-80	394.97	N.A.	11.70
70-80	101.31	N.A.	3.00
80-90	32.80	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	3368.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	136.24
10-20	381.69
20-30	566.49
30-40	666.03
40-50	661.25
50-60	528.52
60-70	293.66
70-80	101.31
80-90	32.80
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

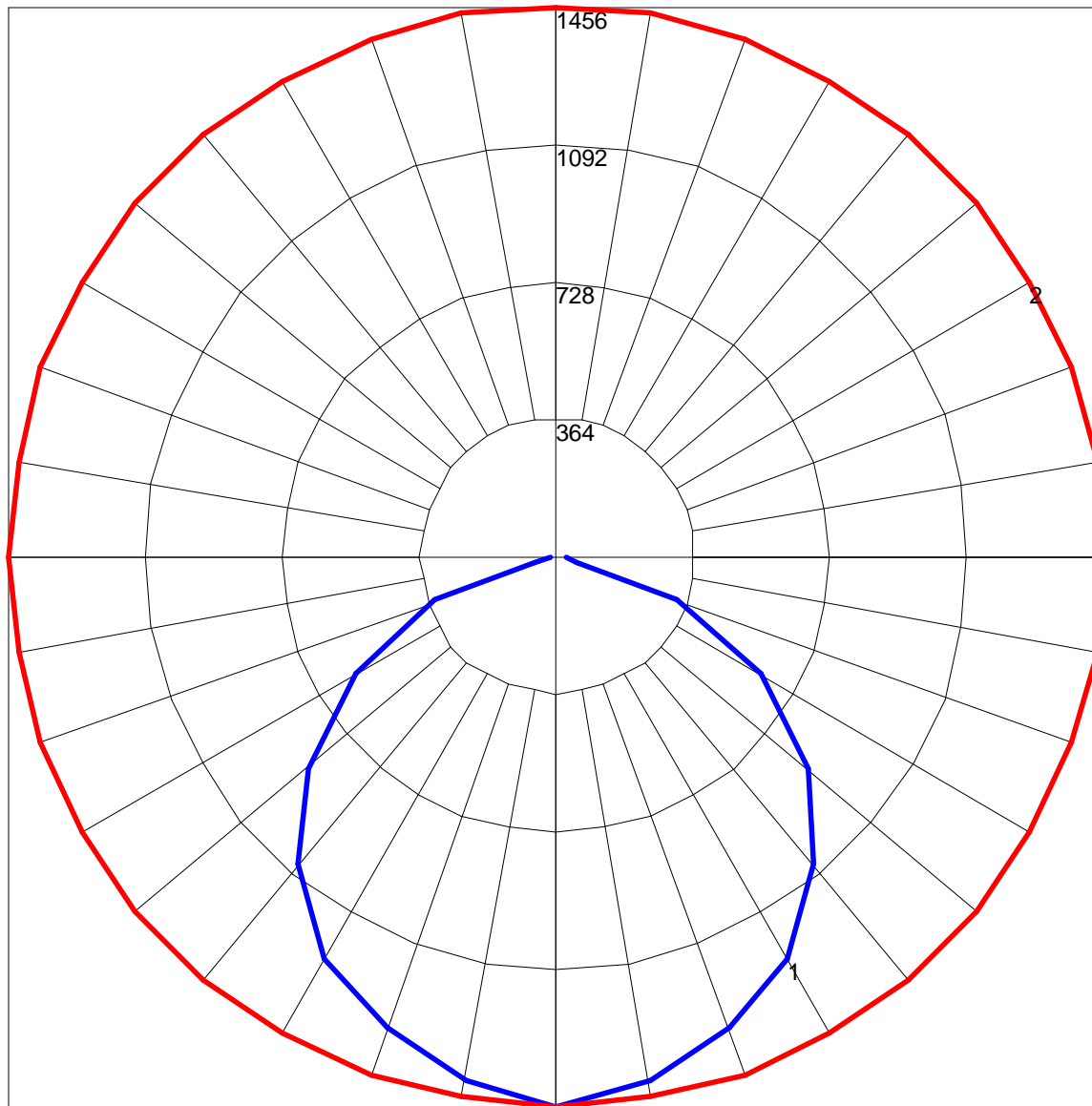
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1455.843 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.)