



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

DESCRIPTION INFORMATION (From Photometric File)

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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3545
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
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 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	5279	4010	3631
55	4967	3297	2798
65	4251	2527	2150
75	2823	1902	1790
85	1422	1649	1572

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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	1669.628	1669.628	1669.628	1669.628	1669.628	1669.628	1669.628	1669.628	1669.628	1669.628
10	1596.237	1591.904	1582.718	1576.538	1569.314	1564.470	1558.710	1557.700	1558.472	1557.211
20	1487.483	1478.360	1455.819	1428.190	1402.615	1382.154	1369.153	1362.913	1364.532	1367.506
30	1347.705	1328.925	1286.134	1231.741	1191.172	1154.238	1130.932	1120.457	1121.772	1126.053
40	1156.772	1129.805	1070.900	1007.580	946.534	900.185	868.937	854.310	853.238	860.450
50	925.861	892.803	825.085	750.954	685.148	632.542	596.250	574.544	571.652	571.875
60	663.739	632.347	563.155	487.732	426.264	366.185	331.499	322.490	322.048	323.511
70	338.543	322.405	288.295	243.956	205.207	194.066	188.661	184.186	183.170	183.445
80	69.141	71.244	73.116	74.646	74.846	75.292	75.704	76.388	75.489	74.989
90	0.000	0.000	0.000	1.937	4.671	5.602	4.860	3.659	2.289	1.445

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	576.83	N.A.	16.30
0-30	1180.44	N.A.	33.30
0-40	1858.98	N.A.	52.40
0-60	3010.37	N.A.	84.90
0-80	3503.16	N.A.	98.80
0-90	3545.14	N.A.	100.00
10-90	3390.48	N.A.	95.60
20-40	1282.15	N.A.	36.20
20-50	1923.99	N.A.	54.30
40-70	1483.16	N.A.	41.80
60-80	492.79	N.A.	13.90
70-80	161.02	N.A.	4.50
80-90	41.98	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	3545.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	154.66
10-20	422.17
20-30	603.61
30-40	678.54
40-50	641.84
50-60	509.55
60-70	331.77
70-80	161.02
80-90	41.98
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

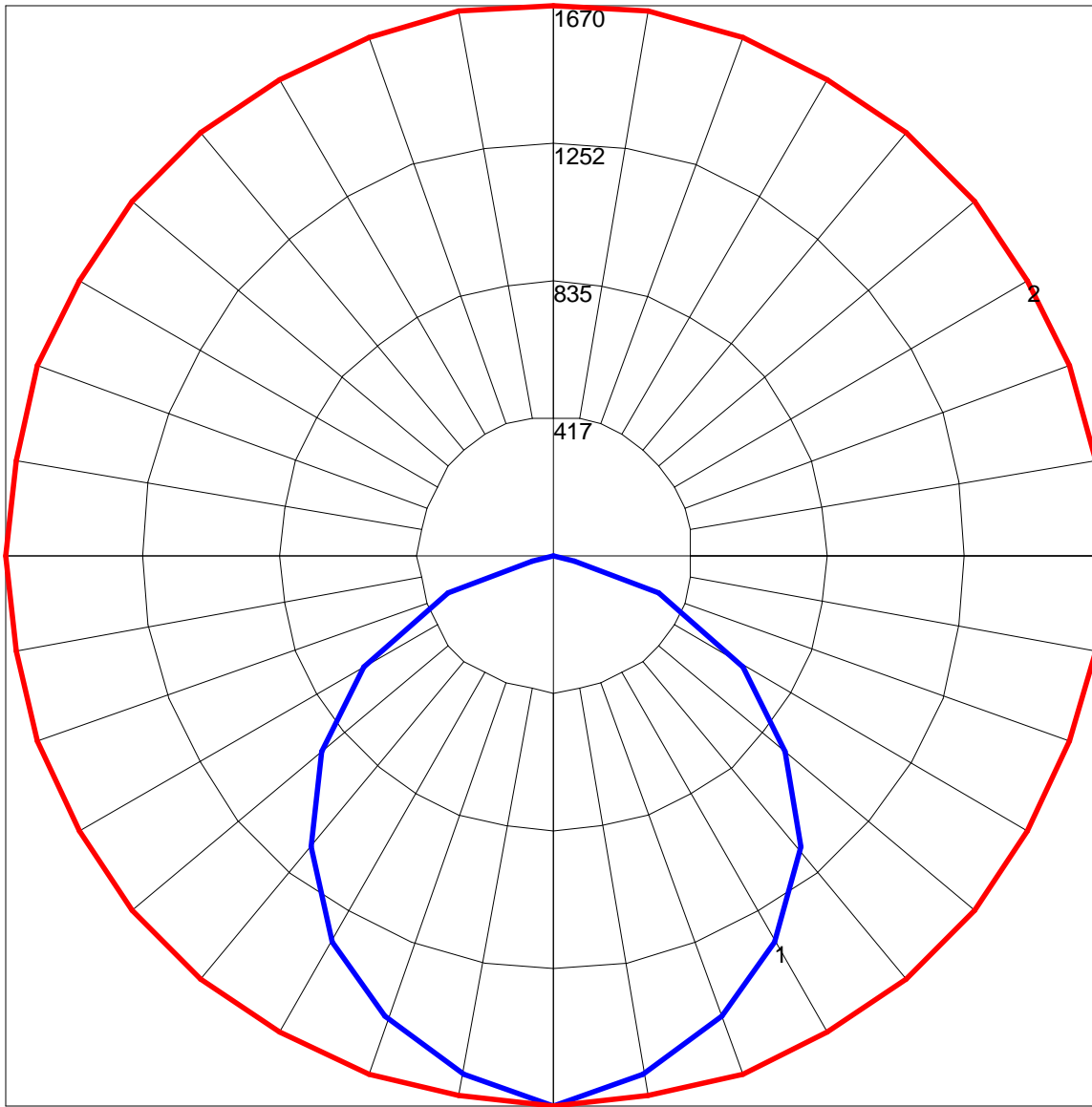
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1669.628 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.)