



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-100-FB-VHO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LDI LED 4 FB VHO NW 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-VHO-40

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5100
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	71.4
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	7595	5770	5223
55	7146	4743	4025
65	6115	3636	3093
75	4062	2737	2575
85	2046	2373	2261

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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	2402.125	2402.125	2402.125	2402.125	2402.125	2402.125	2402.125	2402.125	2402.125	2402.125
10	2296.536	2290.303	2277.085	2268.194	2257.801	2250.833	2242.545	2241.092	2242.203	2240.389
20	2140.069	2126.944	2094.514	2054.764	2017.969	1988.530	1969.826	1960.848	1963.177	1967.457
30	1938.969	1911.950	1850.385	1772.129	1713.761	1660.624	1627.093	1612.022	1613.914	1620.074
40	1664.269	1625.471	1540.724	1449.624	1361.796	1295.112	1250.155	1229.112	1227.570	1237.946
50	1332.053	1284.492	1187.065	1080.412	985.735	910.050	857.836	826.608	822.447	822.767
60	954.933	909.769	810.222	701.710	613.275	526.837	476.934	463.973	463.337	465.442
70	487.069	463.850	414.775	350.984	295.234	279.206	271.430	264.992	263.530	263.925
80	99.475	102.500	105.193	107.395	107.683	108.325	108.917	109.901	108.608	107.889
90	0.000	0.000	0.000	2.787	6.720	8.059	6.992	5.264	3.293	2.078

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	829.89	N.A.	16.30
0-30	1698.32	N.A.	33.30
0-40	2674.55	N.A.	52.40
0-60	4331.07	N.A.	84.90
0-80	5040.06	N.A.	98.80
0-90	5100.45	N.A.	100.00
10-90	4877.95	N.A.	95.60
20-40	1844.65	N.A.	36.20
20-50	2768.08	N.A.	54.30
40-70	2133.85	N.A.	41.80
60-80	708.99	N.A.	13.90
70-80	231.67	N.A.	4.50
80-90	60.39	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	5100.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	222.51
10-20	607.39
20-30	868.43
30-40	976.22
40-50	923.43
50-60	733.10
60-70	477.32
70-80	231.67
80-90	60.39
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

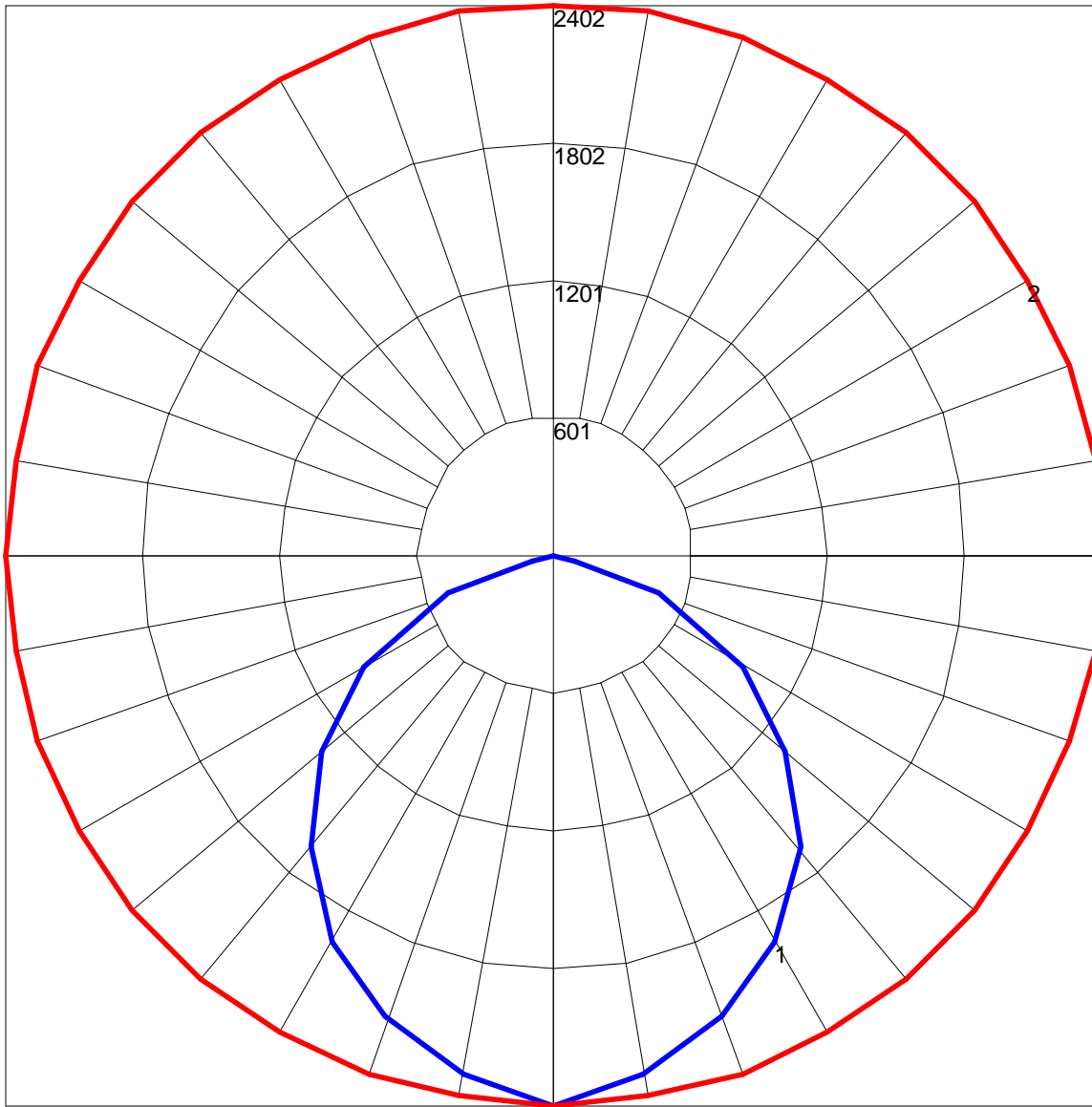
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2402.125 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.)