



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

DESCRIPTION INFORMATION (From Photometric File)

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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4385
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	50.1
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	6529	4960	4490
55	6143	4077	3460
65	5257	3125	2659
75	3492	2353	2213
85	1759	2040	1944

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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	2064.944	2064.944	2064.944	2064.944	2064.944	2064.944	2064.944	2064.944	2064.944	2064.944
10	1974.176	1968.818	1957.456	1949.813	1940.879	1934.888	1927.764	1926.515	1927.470	1925.910
20	1839.672	1828.389	1800.511	1766.341	1734.711	1709.404	1693.325	1685.608	1687.610	1691.289
30	1666.800	1643.573	1590.650	1523.379	1473.204	1427.526	1398.701	1385.746	1387.372	1392.667
40	1430.659	1397.307	1324.456	1246.144	1170.643	1113.320	1074.674	1056.584	1055.258	1064.178
50	1145.076	1104.191	1020.439	928.757	847.370	782.308	737.424	710.578	707.002	707.277
60	820.891	782.067	696.493	603.212	527.191	452.886	409.988	398.846	398.299	400.109
70	418.700	398.740	356.554	301.718	253.793	240.015	233.330	227.796	226.539	226.879
80	85.512	88.113	90.428	92.320	92.568	93.119	93.629	94.474	93.363	92.744
90	0.000	0.000	0.000	2.396	5.776	6.928	6.011	4.525	2.831	1.787

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	713.40	N.A.	16.30
0-30	1459.93	N.A.	33.30
0-40	2299.13	N.A.	52.40
0-60	3723.13	N.A.	84.90
0-80	4332.6	N.A.	98.80
0-90	4384.51	N.A.	100.00
10-90	4193.24	N.A.	95.60
20-40	1585.72	N.A.	36.20
20-50	2379.53	N.A.	54.30
40-70	1834.32	N.A.	41.80
60-80	609.47	N.A.	13.90
70-80	199.15	N.A.	4.50
80-90	51.92	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	4384.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	191.27
10-20	522.13
20-30	746.53
30-40	839.19
40-50	793.81
50-60	630.19
60-70	410.32
70-80	199.15
80-90	51.92
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

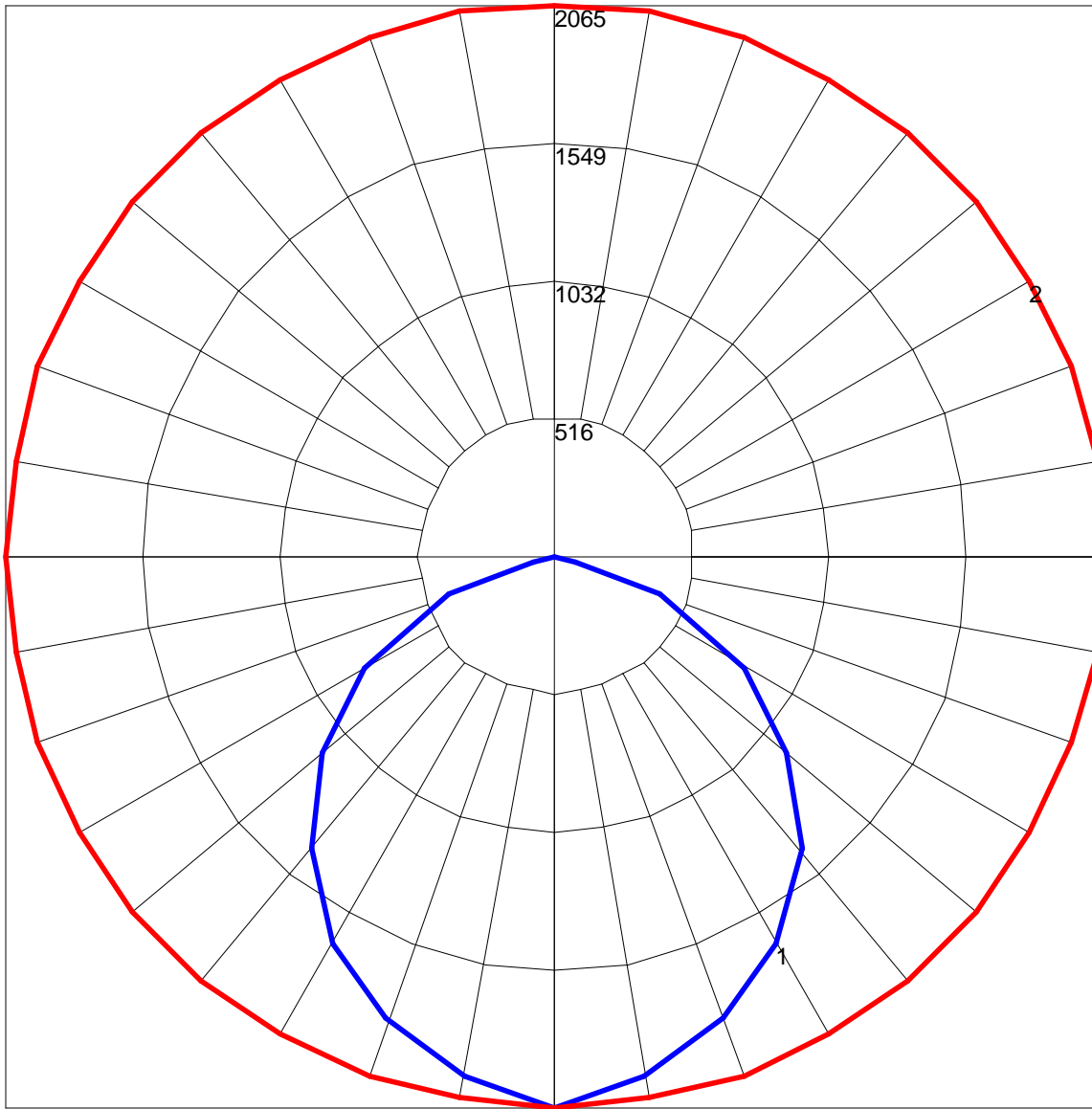
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2064.944 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.)