



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

DESCRIPTION INFORMATION (From Photometric File)

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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4702
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	71.3
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	6859	5915	5627
55	6508	5110	4039
65	5716	3284	1851
75	3834	1356	871
85	2189	1611	1522

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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	2032.278	2032.278	2032.278	2032.278	2032.278	2032.278	2032.278	2032.278	2032.278	2032.278
10	1962.000	1956.072	1951.794	1949.117	1950.035	1952.528	1955.778	1953.031	1951.616	1943.226
20	1855.573	1847.687	1836.172	1820.198	1801.396	1784.763	1781.092	1782.385	1788.419	1782.374
30	1709.527	1699.928	1674.672	1635.732	1599.981	1572.578	1556.264	1551.860	1563.912	1563.139
40	1493.527	1477.636	1434.153	1385.810	1342.317	1303.796	1276.413	1265.377	1275.471	1282.270
50	1212.588	1184.928	1131.104	1079.965	1032.838	988.115	953.372	930.383	929.775	937.700
60	870.109	842.171	785.120	728.280	665.521	584.057	495.900	415.087	368.225	354.900
70	477.654	443.834	367.126	274.870	178.166	120.923	100.394	88.807	83.108	81.443
80	76.007	70.820	59.522	51.485	47.223	45.414	45.523	44.903	44.481	44.398
90	30.449	30.935	31.179	31.598	32.040	32.008	33.190	33.567	31.365	29.613

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	723.00	N.A.	15.40
0-30	1513.79	N.A.	32.20
0-40	2443.53	N.A.	52.00
0-60	4104.39	N.A.	87.30
0-80	4655.75	N.A.	99.00
0-90	4701.55	N.A.	100.00
10-90	4511.36	N.A.	96.00
20-40	1720.53	N.A.	36.60
20-50	2643.6	N.A.	56.20
40-70	2070.8	N.A.	44.00
60-80	551.36	N.A.	11.70
70-80	141.43	N.A.	3.00
80-90	45.79	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	4701.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	190.19
10-20	532.82
20-30	790.79
30-40	929.74
40-50	923.07
50-60	737.79
60-70	409.93
70-80	141.43
80-90	45.79
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

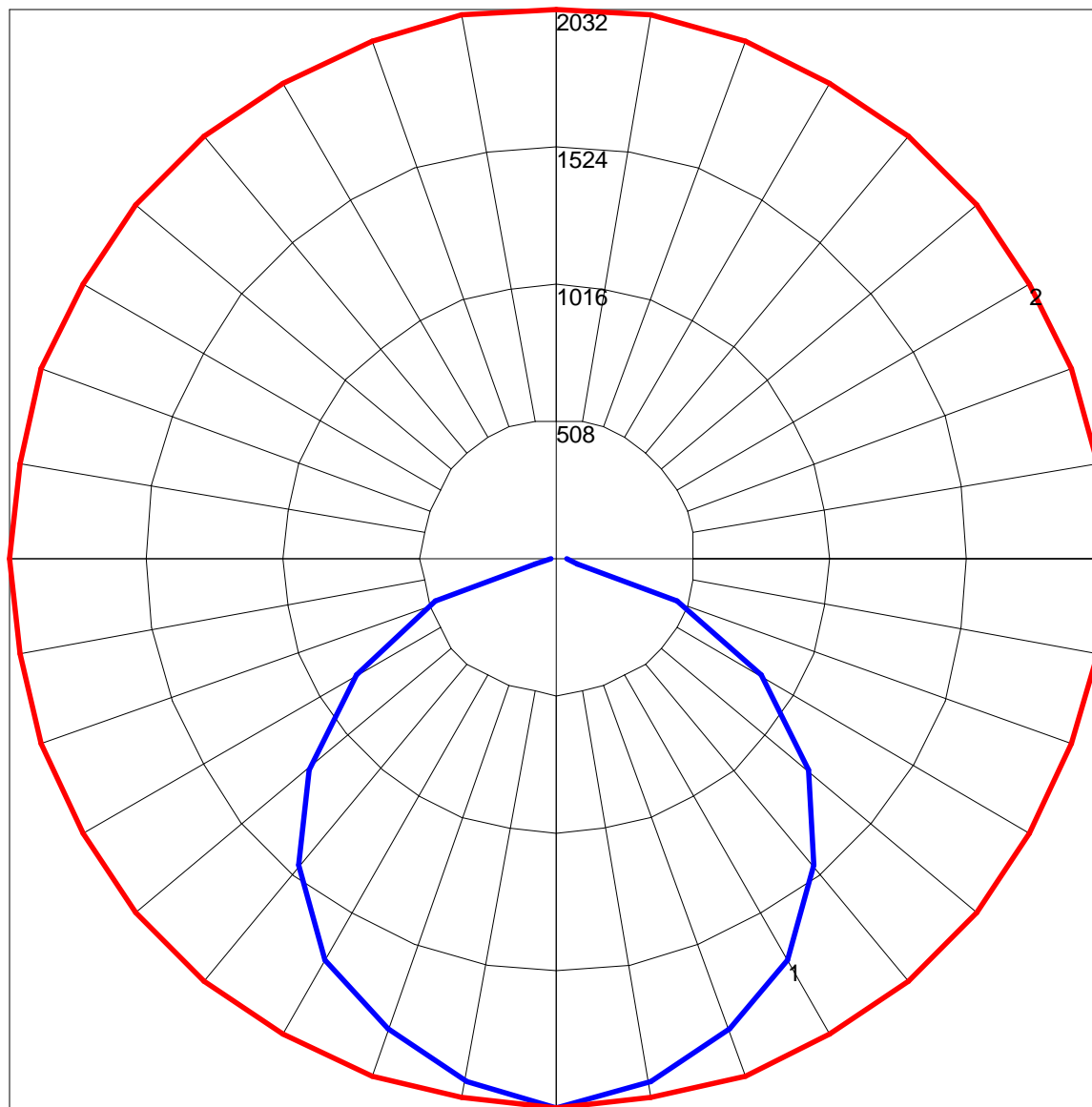
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2032.278 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.)