



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

DESCRIPTION INFORMATION (From Photometric File)

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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4551
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
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	6640	5726	5447
55	6300	4947	3910
65	5533	3179	1791
75	3712	1313	844
85	2119	1560	1473

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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	1967.355	1967.355	1967.355	1967.355	1967.355	1967.355	1967.355	1967.355	1967.355	1967.355
10	1899.322	1893.584	1889.442	1886.851	1887.740	1890.153	1893.299	1890.640	1889.270	1881.148
20	1796.295	1788.661	1777.514	1762.050	1743.849	1727.747	1724.194	1725.445	1731.287	1725.435
30	1654.915	1645.622	1621.173	1583.477	1548.868	1522.341	1506.548	1502.285	1513.952	1513.203
40	1445.815	1430.432	1388.338	1341.539	1299.436	1262.145	1235.637	1224.954	1234.725	1241.307
50	1173.851	1147.075	1094.970	1045.465	999.843	956.549	922.916	900.661	900.073	907.744
60	842.313	815.267	760.039	705.015	644.260	565.399	480.058	401.827	356.462	343.562
70	462.395	429.655	355.398	266.089	172.474	117.060	97.187	85.970	80.453	78.841
80	73.579	68.558	57.621	49.840	45.714	43.963	44.069	43.469	43.060	42.980
90	29.476	29.947	30.183	30.589	31.016	30.985	32.130	32.495	30.363	28.667

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	699.91	N.A.	15.40
0-30	1465.43	N.A.	32.20
0-40	2365.47	N.A.	52.00
0-60	3973.28	N.A.	87.30
0-80	4507.02	N.A.	99.00
0-90	4551.35	N.A.	100.00
10-90	4367.24	N.A.	96.00
20-40	1665.56	N.A.	36.60
20-50	2559.15	N.A.	56.20
40-70	2004.64	N.A.	44.00
60-80	533.75	N.A.	11.70
70-80	136.91	N.A.	3.00
80-90	44.33	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	4551.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	184.11
10-20	515.80
20-30	765.53
30-40	900.04
40-50	893.59
50-60	714.22
60-70	396.84
70-80	136.91
80-90	44.33
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

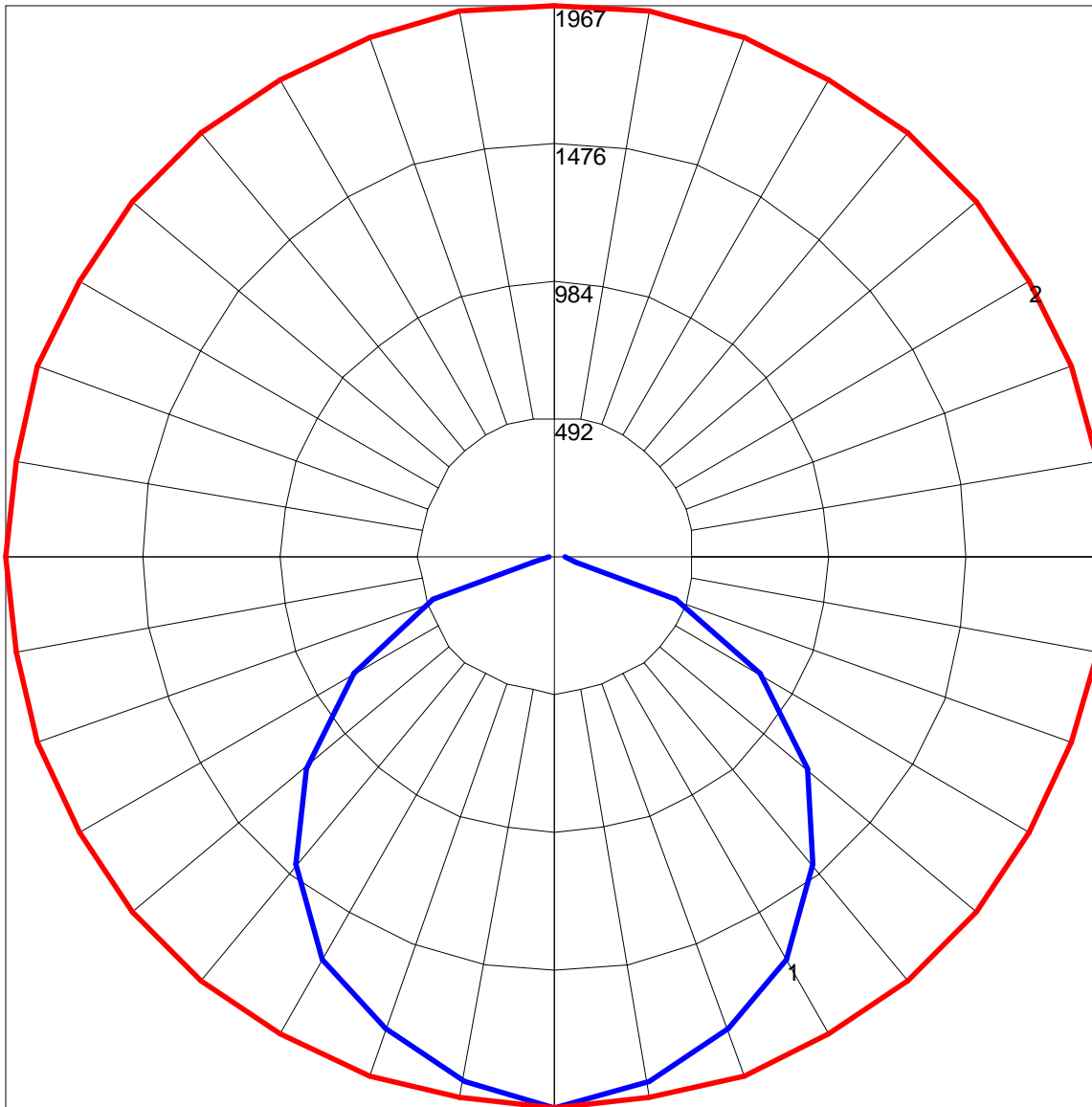
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1967.355 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.)