



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDI-4-LED-PB-VHO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LDI LED 4 PB VHO WW S UE

[TESTLAB] Dekko

[TESTDATE] 03-20-2017

[ISSUEDATE] 01-07-2020

[MANUFAC] 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-PB-VHO-40

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8893
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	71.8
Ballast Factor	1.00
CIE Type	Semi-Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
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	2852	1973	1668
55	2806	1712	1375
65	2447	1400	1128
75	1766	1253	1066
85	2139	2560	1666

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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	618	618	618	618	618	618	618	618	618	618
10	632	625	618	611	604	598	593	589	586	585
20	647	637	621	602	583	565	552	544	540	538
30	650	640	609	572	539	511	490	478	473	472
40	609	597	550	504	462	425	402	386	382	383
50	516	499	453	398	353	317	291	277	273	275
60	382	362	321	275	231	195	172	165	164	165
70	195	188	168	145	121	113	108	104	102	101
80	60	61	61	62	64	64	60	57	55	53
90	44	39	41	46	60	61	47	42	38	28
100	616	580	554	457	438	378	361	306	227	152
110	1646	1603	1535	1376	1253	1067	937	771	546	397
120	1934	1903	1831	1723	1580	1426	1252	1030	800	694
130	2009	1971	1912	1820	1698	1556	1370	1187	1021	961
140	1947	1908	1855	1784	1677	1577	1430	1287	1205	1178
150	1795	1768	1727	1686	1607	1541	1437	1371	1339	1327
160	1604	1588	1568	1553	1516	1497	1469	1447	1438	1429
170	1546	1532	1526	1517	1510	1506	1500	1497	1491	1489
180	1534	1523	1518	1517	1509	1511	1509	1507	1507	1507

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	226.32	N.A.	2.50
0-30	486.28	N.A.	5.50
0-40	803.07	N.A.	9.00
0-60	1393.95	N.A.	15.70
0-80	1681.11	N.A.	18.90
0-90	1738.73	N.A.	19.60
10-90	1680.42	N.A.	18.90
20-40	576.75	N.A.	6.50
20-50	897.74	N.A.	10.10
40-70	775.92	N.A.	8.70
60-80	287.16	N.A.	3.20
70-80	102.12	N.A.	1.10
80-90	57.61	N.A.	0.60
90-110	1058.96	N.A.	11.90
90-120	2325.57	N.A.	26.10
90-130	3665.28	N.A.	41.20
90-150	5871.57	N.A.	66.00
90-180	7154.57	N.A.	80.40
110-180	6095.61	N.A.	68.50
0-180	8893.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	58.30
10-20	168.02
20-30	259.96
30-40	316.79
40-50	320.99
50-60	269.90
60-70	185.04
70-80	102.12
80-90	57.61
90-100	248.22
100-110	810.74
110-120	1266.61
120-130	1339.71
130-140	1217.84
140-150	988.45
150-160	710.48
160-170	428.18
170-180	144.34

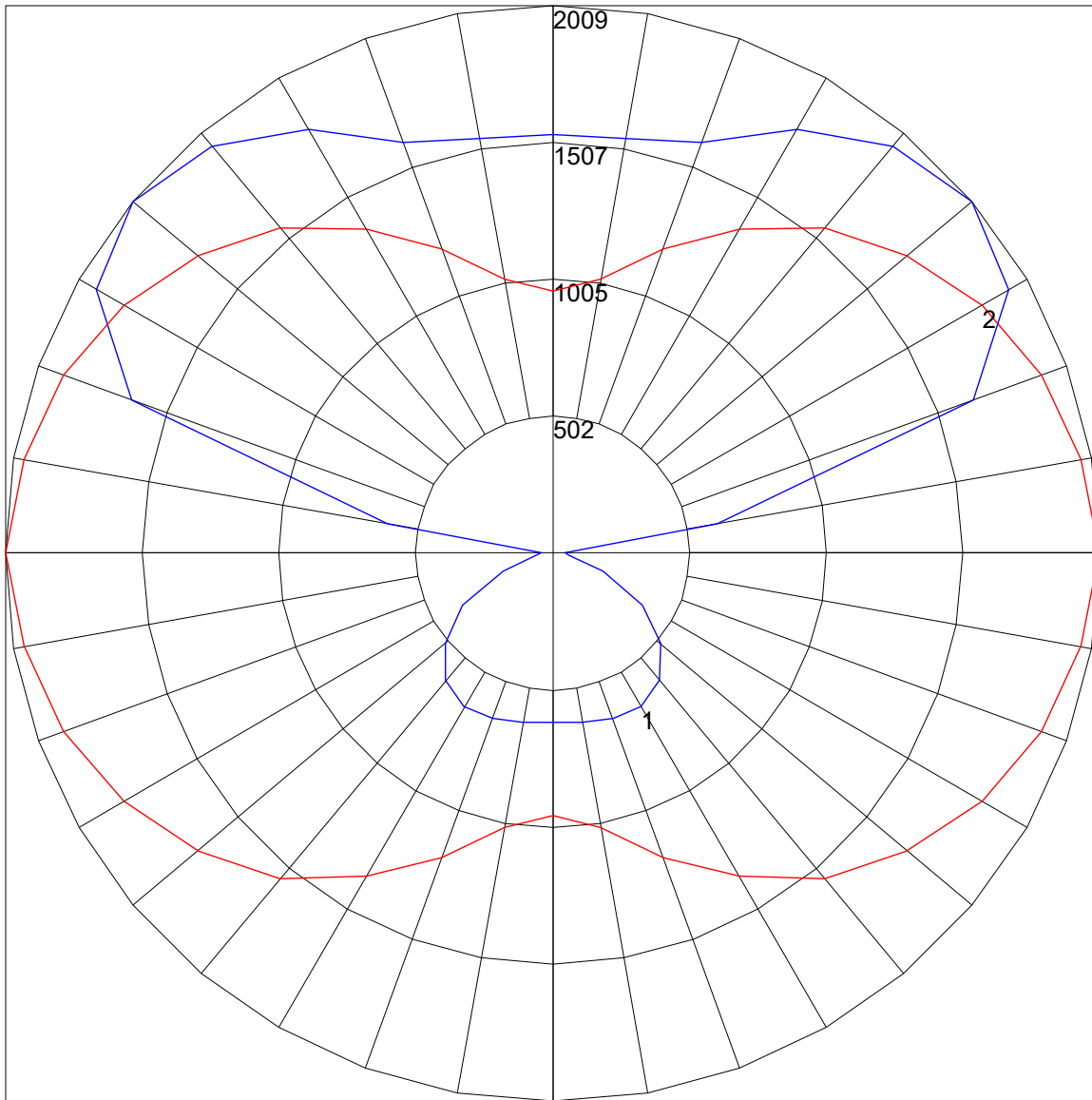
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	20
1	91	87	83	80	80	77	74	71	58	56	54	41	39	38	25	24	24	16
2	83	76	70	65	73	67	62	58	51	47	45	36	34	32	22	21	20	14
3	75	66	59	54	66	59	53	48	45	41	37	31	29	27	19	18	17	12
4	69	59	51	45	60	52	46	41	40	35	32	28	25	23	17	16	14	10
5	63	52	44	39	55	46	40	35	35	31	27	25	22	20	15	14	13	9
6	58	46	39	33	51	41	35	30	32	27	24	22	19	17	14	12	11	8
7	53	42	34	29	47	37	31	26	28	24	21	20	17	15	13	11	10	7
8	49	38	30	25	43	34	27	23	26	21	18	18	15	13	12	10	9	6
9	46	34	27	22	40	30	24	20	23	19	16	17	14	12	11	9	8	5
10	43	31	24	20	38	28	22	18	21	17	14	15	13	11	10	8	7	5

POLAR GRAPH



Maximum Candela = 2009 Located At Horizontal Angle = 0, Vertical Angle = 130
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (130) (Through Max. Cd.)