



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-6040-PB-VHO-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LDI LED 4 PB VHO SW S UE 60 40
[TESTLAB] Dekko
[TESTDATE] 03-20-2017
[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-6040-PB-VHO-30

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7739
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	71.6
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	3253	2306	1998
55	3225	1986	1600
65	2991	1616	1278
75	2317	1409	1152
85	1922	2491	1605

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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	798.501	798.501	798.501	798.501	798.501	798.501	798.501	798.501	798.501	798.501
10	782.675	778.360	775.601	769.303	765.128	761.055	758.108	758.201	757.228	756.393
20	769.623	762.777	747.687	729.577	713.133	697.835	688.111	683.790	683.321	683.776
30	750.132	738.876	708.295	673.559	641.558	614.305	592.458	583.277	583.154	584.304
40	693.999	676.997	633.274	581.476	538.404	503.099	478.879	465.361	463.760	465.065
50	589.447	564.648	515.964	459.392	408.548	369.685	341.128	326.229	321.981	323.081
60	442.750	418.978	369.652	316.111	266.431	226.550	198.207	189.823	190.255	188.929
70	262.585	244.091	214.020	175.242	140.132	128.817	122.117	117.475	114.165	112.308
80	72.044	73.005	72.625	71.698	69.814	68.186	64.777	60.169	56.237	54.111
90	21.412	25.809	30.809	46.601	52.161	52.109	41.315	33.005	29.400	23.934
100	226.215	224.471	254.352	275.994	294.752	306.477	306.566	278.909	227.168	181.307
110	969.099	954.722	933.146	910.112	869.113	828.192	762.581	657.118	507.478	400.937
120	1444.412	1452.965	1407.537	1334.677	1248.168	1148.115	1018.429	870.299	705.870	627.164
130	1567.487	1560.018	1528.151	1478.168	1401.986	1269.860	1135.111	998.713	881.562	839.378
140	1584.690	1570.559	1531.483	1484.488	1418.496	1328.763	1226.737	1116.026	1040.027	1017.523
150	1494.167	1485.804	1454.190	1412.634	1361.159	1302.645	1239.310	1188.199	1159.988	1152.162
160	1363.587	1357.881	1346.144	1321.718	1290.780	1258.259	1235.279	1218.948	1211.015	1212.364
170	1271.888	1267.954	1266.765	1265.139	1263.359	1261.419	1259.337	1254.873	1252.289	1250.439
180	1260.189	1253.770	1252.221	1251.914	1251.646	1251.786	1251.885	1251.759	1251.295	1250.020

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	284.51	N.A.	3.70
0-30	599.15	N.A.	7.70
0-40	973.40	N.A.	12.60
0-60	1658.85	N.A.	21.40
0-80	1995.94	N.A.	25.80
0-90	2052.53	N.A.	26.50
10-90	1977.86	N.A.	25.60
20-40	688.88	N.A.	8.90
20-50	1062.54	N.A.	13.70
40-70	902.47	N.A.	11.70
60-80	337.10	N.A.	4.40
70-80	120.08	N.A.	1.60
80-90	56.58	N.A.	0.70
90-110	721.21	N.A.	9.30
90-120	1676.84	N.A.	21.70
90-130	2757.36	N.A.	35.60
90-150	4603.03	N.A.	59.50
90-180	5686.46	N.A.	73.50
110-180	4965.26	N.A.	64.20
0-180	7738.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	74.66
10-20	209.85
20-30	314.64
30-40	374.25
40-50	373.65
50-60	311.80
60-70	217.02
70-80	120.08
80-90	56.58
90-100	164.04
100-110	557.16
110-120	955.63
120-130	1080.52
130-140	1009.99
140-150	835.67
150-160	603.14
160-170	360.32
170-180	119.98

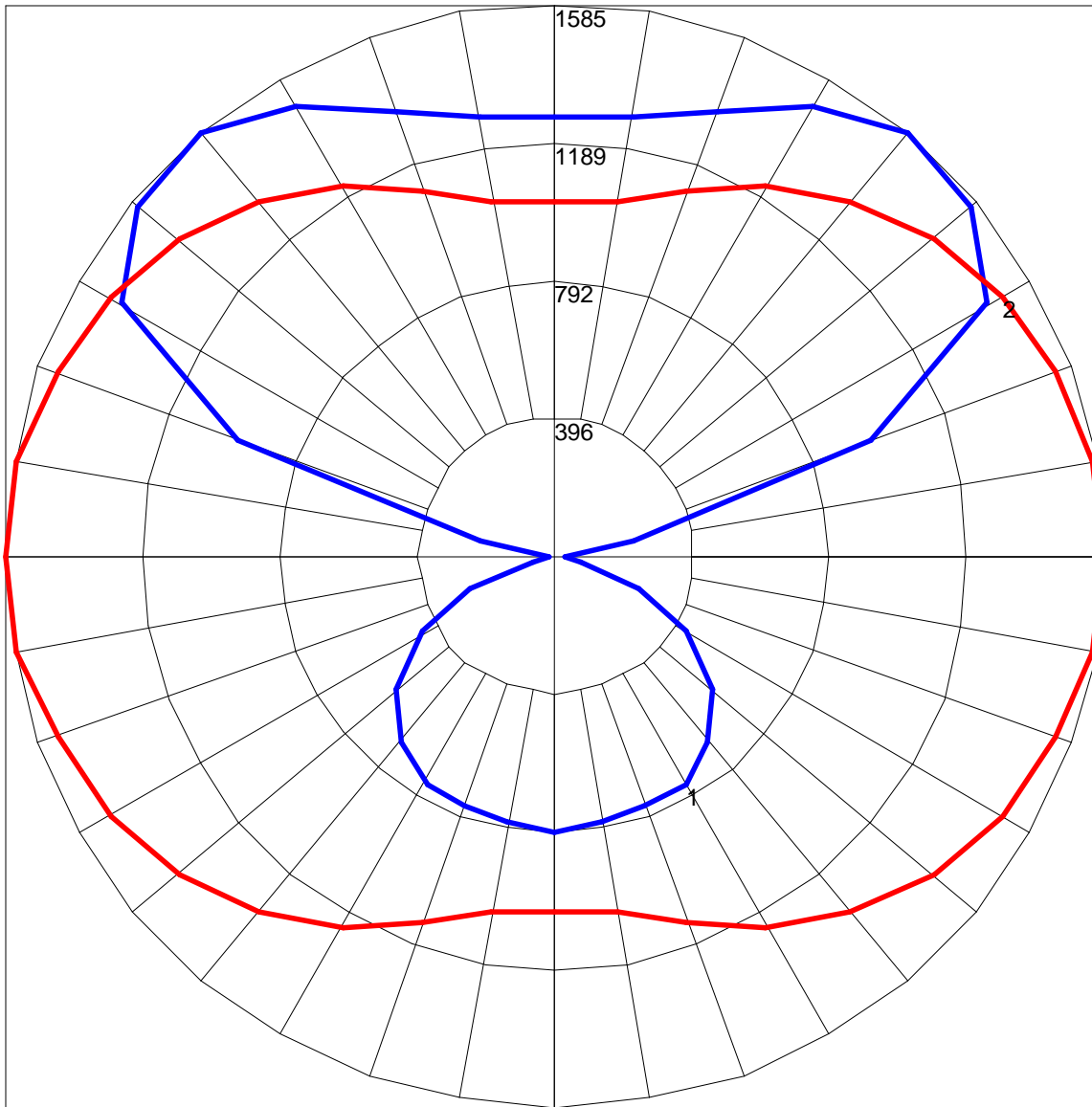
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	102	102	102	102	91	91	91	91	70	70	70	52	52	52	35	35	35	27
1	92	88	85	81	82	79	76	73	61	59	57	45	44	43	30	30	29	22
2	84	77	71	66	75	69	64	60	54	50	48	40	38	36	27	26	24	19
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	24	22	21	16
4	70	60	52	46	62	54	47	42	42	38	34	31	28	26	21	19	18	14
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14	10
7	55	43	35	30	49	39	32	27	30	26	22	23	20	17	16	14	12	9
8	50	39	31	26	45	35	28	24	28	23	20	21	18	15	14	12	11	8
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10	7
10	44	32	25	21	39	29	23	19	23	19	16	18	14	12	12	10	9	7

POLAR GRAPH



Maximum Candela = 1584.69 Located At Horizontal Angle = 0, Vertical Angle = 140
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (140) (Through Max. Cd.)