



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-6040-FB-VHO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LDI LED 4 FB VHO NW S UE 60 40
[TESTLAB] Dekko
[TESTDATE] 03-14-2017
[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-FB-VHO-40

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8233
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
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	3461	2454	2125
55	3431	2113	1702
65	3182	1719	1359
75	2465	1499	1226
85	2045	2650	1707

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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	849.487	849.487	849.487	849.487	849.487	849.487	849.487	849.487	849.487	849.487
10	832.650	828.060	825.124	818.424	813.982	809.650	806.515	806.613	805.578	804.689
20	818.765	811.481	795.428	776.162	758.668	742.393	732.048	727.451	726.952	727.437
30	798.030	786.054	753.521	716.567	682.523	653.530	630.287	620.520	620.390	621.613
40	738.312	720.224	673.709	618.604	572.782	535.223	509.456	495.076	493.372	494.761
50	627.084	600.702	548.909	488.725	434.635	393.290	362.909	347.059	342.540	343.710
60	471.020	445.730	393.255	336.295	283.443	241.015	210.863	201.943	202.403	200.993
70	279.351	259.677	227.686	186.432	149.079	137.042	129.914	124.976	121.455	119.479
80	76.644	77.666	77.262	76.276	74.272	72.539	68.913	64.011	59.828	57.566
90	22.779	27.457	32.776	49.577	55.492	55.436	43.953	35.113	31.277	25.462
100	240.659	238.804	270.593	293.617	313.572	326.046	326.141	296.718	241.673	192.884
110	1030.977	1015.683	992.728	968.224	924.607	881.074	811.273	699.077	539.881	426.537
120	1536.640	1545.739	1497.411	1419.899	1327.866	1221.424	1083.457	925.869	750.941	667.210
130	1667.574	1659.628	1625.726	1572.551	1491.505	1350.943	1207.589	1062.483	937.851	892.974
140	1685.876	1670.841	1629.270	1579.275	1509.069	1413.607	1305.066	1187.286	1106.435	1082.493
150	1589.572	1580.675	1547.042	1502.833	1448.072	1385.821	1318.442	1264.068	1234.055	1225.730
160	1450.654	1444.584	1432.097	1406.112	1373.199	1338.601	1314.154	1296.780	1288.340	1289.776
170	1353.100	1348.915	1347.650	1345.920	1344.027	1341.963	1339.747	1334.999	1332.250	1330.282
180	1340.654	1333.825	1332.177	1331.851	1331.566	1331.715	1331.820	1331.686	1331.192	1329.836

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	302.68	N.A.	3.70
0-30	637.41	N.A.	7.70
0-40	1035.55	N.A.	12.60
0-60	1764.77	N.A.	21.40
0-80	2123.39	N.A.	25.80
0-90	2183.58	N.A.	26.50
10-90	2104.15	N.A.	25.60
20-40	732.87	N.A.	8.90
20-50	1130.38	N.A.	13.70
40-70	960.09	N.A.	11.70
60-80	358.62	N.A.	4.40
70-80	127.75	N.A.	1.60
80-90	60.19	N.A.	0.70
90-110	767.26	N.A.	9.30
90-120	1783.91	N.A.	21.70
90-130	2933.42	N.A.	35.60
90-150	4896.94	N.A.	59.50
90-180	6049.55	N.A.	73.50
110-180	5282.3	N.A.	64.20
0-180	8233.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	79.43
10-20	223.25
20-30	334.73
30-40	398.15
40-50	397.51
50-60	331.71
60-70	230.87
70-80	127.75
80-90	60.19
90-100	174.52
100-110	592.74
110-120	1016.65
120-130	1149.52
130-140	1074.48
140-150	889.03
150-160	641.65
160-170	383.33
170-180	127.64

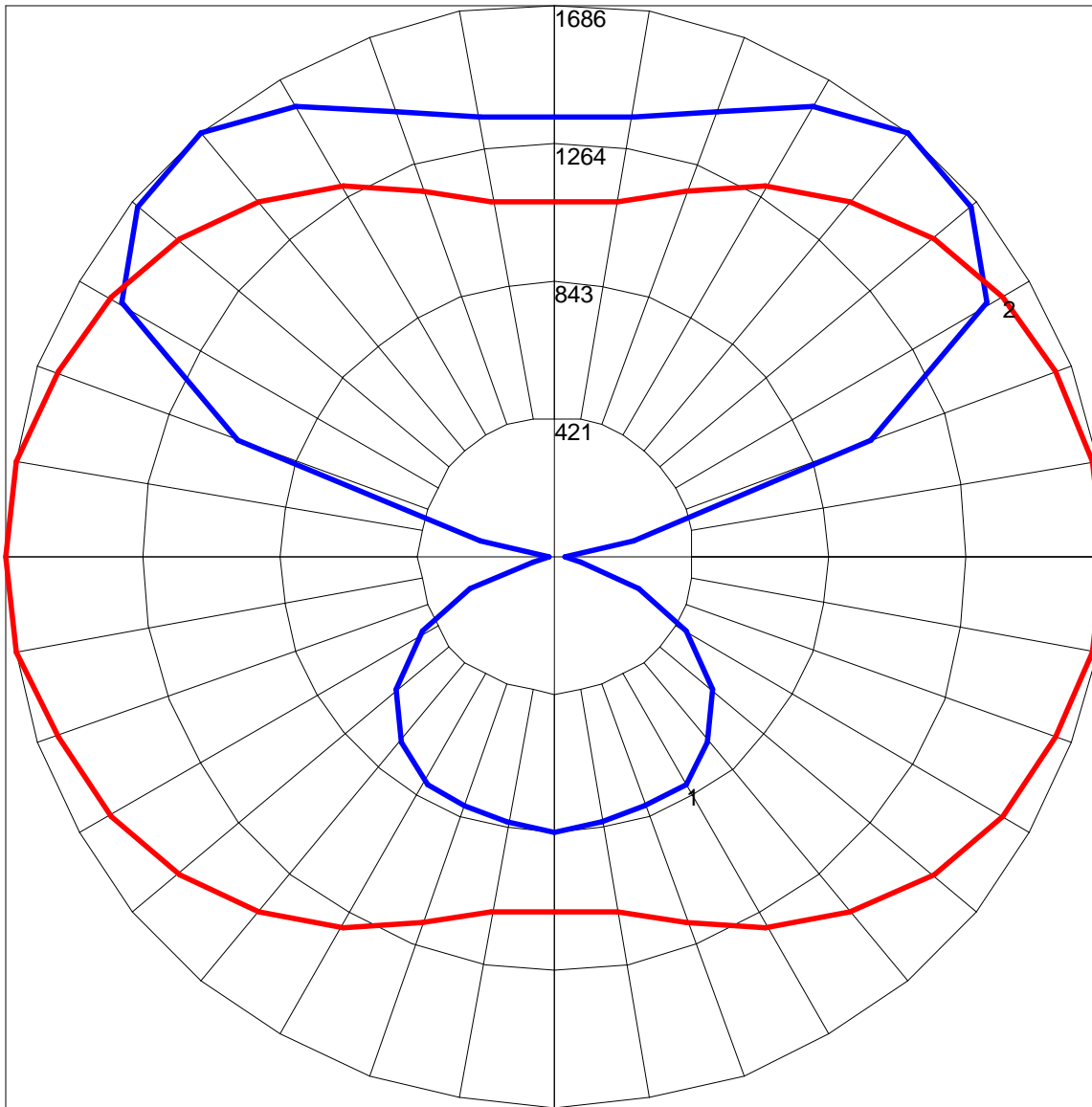
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1685.876 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.)