



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-6040-PB-VHO-35.IES

DESCRIPTION INFORMATION (From Photometric File)

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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7970
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
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	3350	2375	2057
55	3322	2045	1648
65	3081	1664	1316
75	2386	1451	1187
85	1979	2565	1653

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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	822.349	822.349	822.349	822.349	822.349	822.349	822.349	822.349	822.349	822.349
10	806.050	801.607	798.765	792.279	787.979	783.785	780.750	780.845	779.843	778.983
20	792.609	785.558	770.017	751.367	734.432	718.677	708.662	704.212	703.729	704.198
30	772.536	760.943	729.449	693.676	660.719	632.652	610.152	600.697	600.571	601.755
40	714.726	697.216	652.187	598.842	554.484	518.125	493.181	479.260	477.611	478.955
50	607.051	581.512	531.374	473.112	420.750	380.726	351.316	335.972	331.597	332.730
60	455.973	431.491	380.692	325.552	274.388	233.316	204.127	195.492	195.937	194.572
70	270.427	251.381	220.412	180.476	144.317	132.664	125.764	120.984	117.575	115.662
80	74.196	75.185	74.794	73.839	71.899	70.222	66.712	61.966	57.917	55.727
90	22.051	26.580	31.729	47.993	53.719	53.665	42.549	33.991	30.278	24.649
100	232.971	231.175	261.949	284.237	303.555	315.630	315.722	287.239	233.953	186.722
110	998.042	983.236	961.015	937.293	895.070	852.927	785.356	676.744	522.634	412.911
120	1487.551	1496.359	1449.575	1374.539	1285.446	1182.405	1048.845	896.291	726.952	645.895
130	1614.302	1606.610	1573.791	1522.315	1443.858	1307.786	1169.012	1028.541	907.891	864.447
140	1632.019	1617.465	1577.222	1528.824	1460.861	1368.448	1263.375	1149.357	1071.089	1047.912
150	1538.792	1530.179	1497.621	1454.824	1401.812	1341.550	1276.323	1223.686	1194.632	1186.573
160	1404.312	1398.436	1386.348	1361.193	1329.331	1295.838	1272.172	1255.353	1247.183	1248.573
170	1309.874	1305.823	1304.598	1302.924	1301.091	1299.093	1296.948	1292.351	1289.690	1287.785
180	1297.826	1291.215	1289.620	1289.304	1289.028	1289.172	1289.274	1289.144	1288.666	1287.353

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	293.01	N.A.	3.70
0-30	617.04	N.A.	7.70
0-40	1002.47	N.A.	12.60
0-60	1708.39	N.A.	21.40
0-80	2055.56	N.A.	25.80
0-90	2113.83	N.A.	26.50
10-90	2036.93	N.A.	25.60
20-40	709.46	N.A.	8.90
20-50	1094.27	N.A.	13.70
40-70	929.42	N.A.	11.70
60-80	347.16	N.A.	4.40
70-80	123.66	N.A.	1.60
80-90	58.27	N.A.	0.70
90-110	742.75	N.A.	9.30
90-120	1726.92	N.A.	21.70
90-130	2839.71	N.A.	35.60
90-150	4740.5	N.A.	59.50
90-180	5856.3	N.A.	73.50
110-180	5113.55	N.A.	64.20
0-180	7970.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	76.89
10-20	216.12
20-30	324.03
30-40	385.43
40-50	384.81
50-60	321.11
60-70	223.50
70-80	123.66
80-90	58.27
90-100	168.94
100-110	573.80
110-120	984.17
120-130	1112.79
130-140	1040.16
140-150	860.63
150-160	621.15
160-170	371.08
170-180	123.56

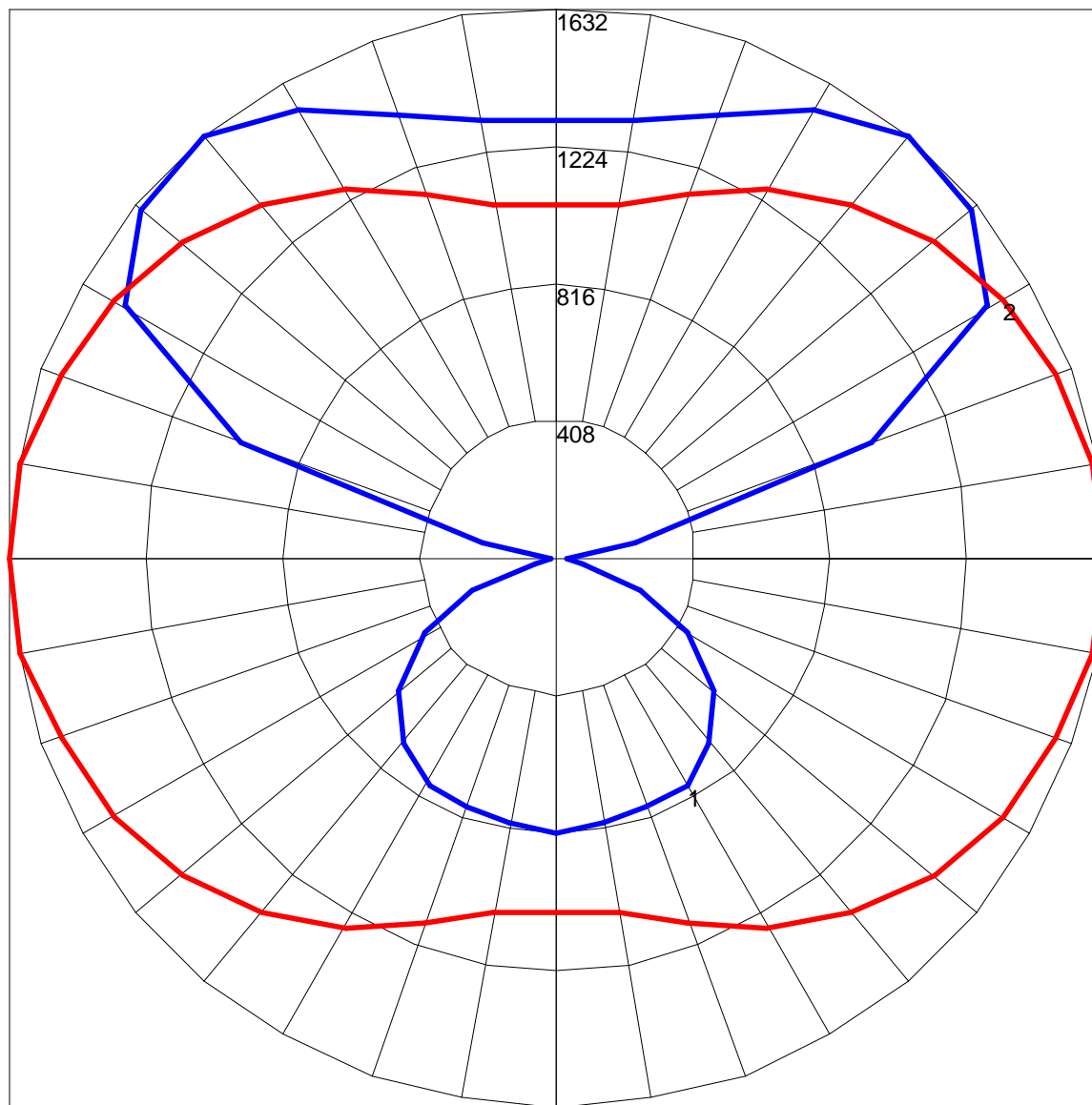
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1632.019 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.)