



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LDI LED 4 FB HO NW S UE
 [TESTLAB] Dekko
 [TESTDATE] 03-17-2017
 [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-FB-HO-40

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7651
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	153
Total Luminaire Watts	50.1
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	2454	1699	1433
55	2415	1474	1181
65	2106	1203	970
75	1516	1078	917
85	1845	2206	1435

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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	532.154	532.154	532.154	532.154	532.154	532.154	532.154	532.154	532.154	532.154
10	543.385	536.827	531.520	525.939	519.736	513.954	509.490	506.873	504.703	503.476
20	557.168	548.083	534.738	517.734	501.756	486.074	474.904	467.751	464.242	462.717
30	559.422	550.361	523.868	491.693	463.125	439.685	421.574	410.775	406.543	406.233
40	524.284	512.877	472.927	433.015	397.639	366.261	345.081	332.520	328.588	329.373
50	444.030	429.302	389.969	342.415	303.901	273.008	250.137	238.130	234.479	236.045
60	328.769	311.895	275.995	235.892	198.575	168.078	148.007	142.338	141.249	141.821
70	167.797	161.174	144.900	124.197	103.651	96.888	93.472	89.850	87.719	86.819
80	51.150	52.230	52.829	53.244	55.406	55.374	51.482	48.819	46.733	45.529
90	38.574	33.545	35.413	39.726	51.631	52.183	41.013	36.490	32.434	24.276
100	529.955	499.019	477.217	393.300	376.479	325.305	310.766	262.441	195.398	130.612
110	1416.102	1379.357	1320.576	1183.572	1078.276	918.624	806.171	663.483	470.178	341.745
120	1664.295	1637.705	1574.939	1482.365	1359.409	1226.689	1076.858	886.439	687.826	596.431
130	1727.632	1695.629	1644.427	1565.830	1461.122	1338.610	1178.583	1021.600	877.961	827.022
140	1674.899	1641.229	1595.729	1534.201	1443.443	1356.674	1229.790	1107.731	1036.394	1013.007
150	1543.864	1521.402	1485.783	1450.386	1382.518	1326.150	1236.434	1178.970	1151.811	1141.583
160	1380.329	1365.761	1348.985	1335.381	1304.500	1287.607	1263.694	1244.634	1237.156	1229.154
170	1329.832	1318.229	1312.462	1305.146	1299.477	1295.199	1290.014	1287.354	1282.077	1280.066
180	1319.738	1309.694	1305.943	1305.308	1297.930	1299.846	1297.840	1296.388	1296.270	1296.466

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	194.71	N.A.	2.50
0-30	418.32	N.A.	5.50
0-40	690.75	N.A.	9.00
0-60	1199.05	N.A.	15.70
0-80	1446.01	N.A.	18.90
0-90	1495.61	N.A.	19.50
10-90	1445.43	N.A.	18.90
20-40	496.04	N.A.	6.50
20-50	772.14	N.A.	10.10
40-70	667.47	N.A.	8.70
60-80	246.96	N.A.	3.20
70-80	87.78	N.A.	1.10
80-90	49.60	N.A.	0.60
90-110	911.21	N.A.	11.90
90-120	2000.98	N.A.	26.20
90-130	3153.51	N.A.	41.20
90-150	5051.52	N.A.	66.00
90-180	6155.19	N.A.	80.50
110-180	5243.99	N.A.	68.50
0-180	7650.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	50.18
10-20	144.53
20-30	223.61
30-40	272.44
40-50	276.09
50-60	232.20
60-70	159.18
70-80	87.78
80-90	49.60
90-100	213.61
100-110	697.60
110-120	1089.77
120-130	1152.54
130-140	1047.66
140-150	850.35
150-160	611.20
160-170	368.31
170-180	124.16

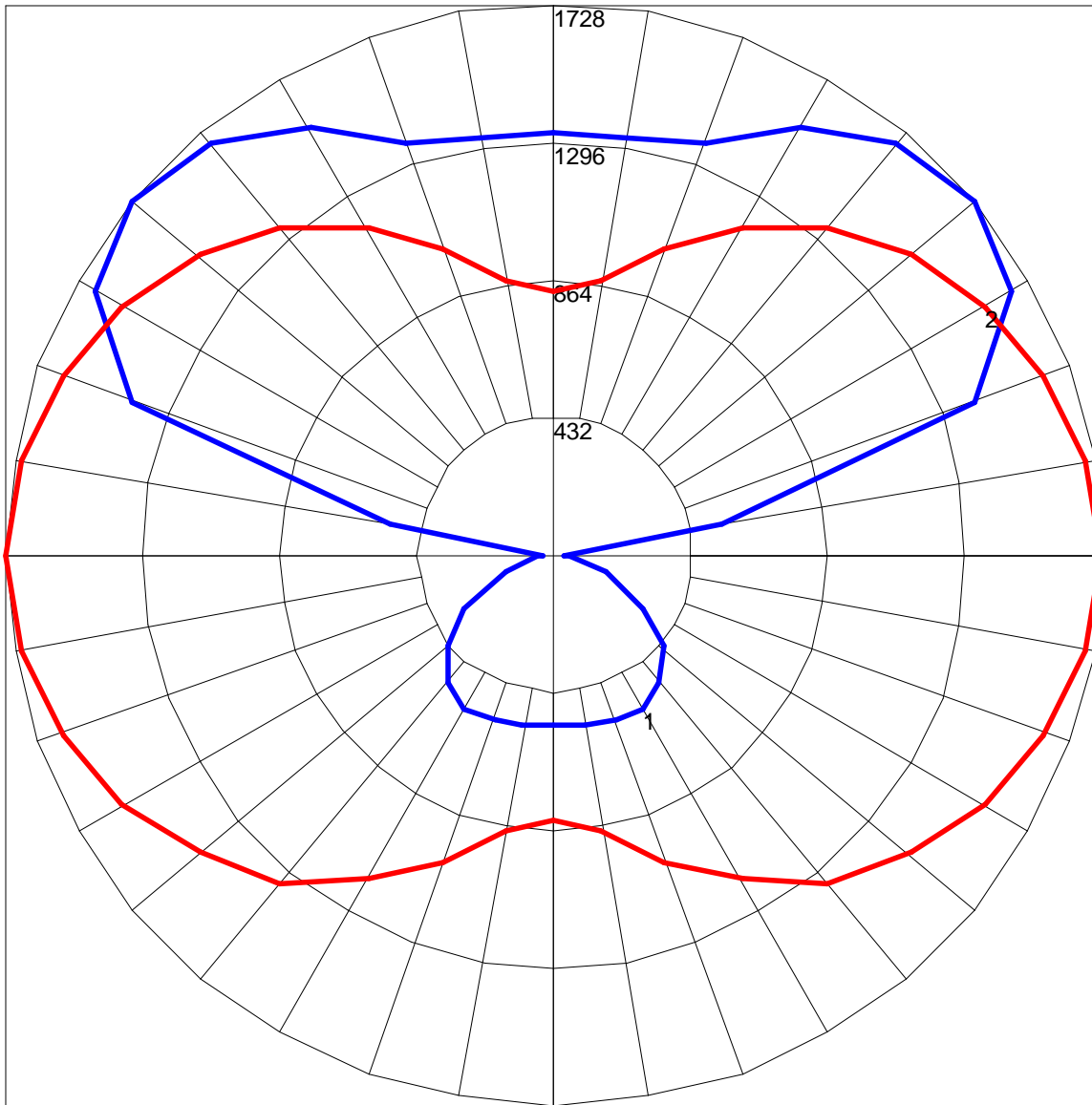
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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 = 1727.632 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.)