



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-FB-HO-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LDI LED 4 FB HO SW S UE
[TESTLAB] Dekko
[TESTDATE] 03-17-2017
[ISSUEDATE] 06-19-2017
[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-FB-HO-30

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7194
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
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	2308	1598	1348
55	2271	1386	1110
65	1980	1131	912
75	1426	1014	862
85	1735	2075	1350

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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	500.392	500.392	500.392	500.392	500.392	500.392	500.392	500.392	500.392	500.392
10	510.953	504.787	499.797	494.549	488.715	483.279	479.081	476.620	474.580	473.427
20	523.913	515.371	502.822	486.833	471.808	457.063	446.560	439.834	436.534	435.100
30	526.033	517.513	492.601	462.346	435.483	413.443	396.412	386.258	382.279	381.987
40	492.992	482.266	444.701	407.171	373.906	344.401	324.485	312.673	308.977	309.714
50	417.528	403.679	366.694	321.978	285.763	256.713	235.208	223.917	220.484	221.957
60	309.146	293.280	259.522	221.813	186.723	158.046	139.174	133.842	132.818	133.356
70	157.782	151.554	136.252	116.784	97.465	91.105	87.893	84.487	82.484	81.637
80	48.097	49.113	49.676	50.067	52.099	52.069	48.409	45.905	43.944	42.811
90	36.272	31.543	33.300	37.355	48.549	49.069	38.565	34.312	30.498	22.827
100	498.325	469.235	448.735	369.826	354.009	305.889	292.218	246.778	183.736	122.817
110	1331.582	1297.031	1241.758	1112.931	1013.920	863.797	758.055	623.884	442.116	321.348
120	1564.962	1539.959	1480.939	1393.891	1278.273	1153.474	1012.586	833.532	646.773	560.834
130	1624.519	1594.426	1546.280	1472.374	1373.916	1258.716	1108.240	960.626	825.560	777.661
140	1574.933	1543.273	1500.488	1442.633	1357.292	1275.701	1156.391	1041.617	974.537	952.546
150	1451.719	1430.598	1397.104	1363.820	1300.003	1246.999	1162.638	1108.604	1083.065	1073.448
160	1297.944	1284.246	1268.471	1255.679	1226.641	1210.757	1188.271	1170.348	1163.317	1155.792
170	1250.462	1239.551	1234.128	1227.249	1221.918	1217.895	1213.020	1210.519	1205.556	1203.666
180	1240.969	1231.526	1227.998	1227.401	1220.464	1222.265	1220.378	1219.013	1218.902	1219.087

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	183.09	N.A.	2.50
0-30	393.35	N.A.	5.50
0-40	649.52	N.A.	9.00
0-60	1127.48	N.A.	15.70
0-80	1359.7	N.A.	18.90
0-90	1406.34	N.A.	19.50
10-90	1359.16	N.A.	18.90
20-40	466.44	N.A.	6.50
20-50	726.05	N.A.	10.10
40-70	627.63	N.A.	8.70
60-80	232.22	N.A.	3.20
70-80	82.54	N.A.	1.10
80-90	46.64	N.A.	0.60
90-110	856.82	N.A.	11.90
90-120	1881.55	N.A.	26.20
90-130	2965.3	N.A.	41.20
90-150	4750.03	N.A.	66.00
90-180	5787.82	N.A.	80.50
110-180	4931.00	N.A.	68.50
0-180	7194.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	47.18
10-20	135.91
20-30	210.26
30-40	256.18
40-50	259.62
50-60	218.34
60-70	149.68
70-80	82.54
80-90	46.64
90-100	200.86
100-110	655.96
110-120	1024.73
120-130	1083.75
130-140	985.13
140-150	799.60
150-160	574.72
160-170	346.33
170-180	116.75

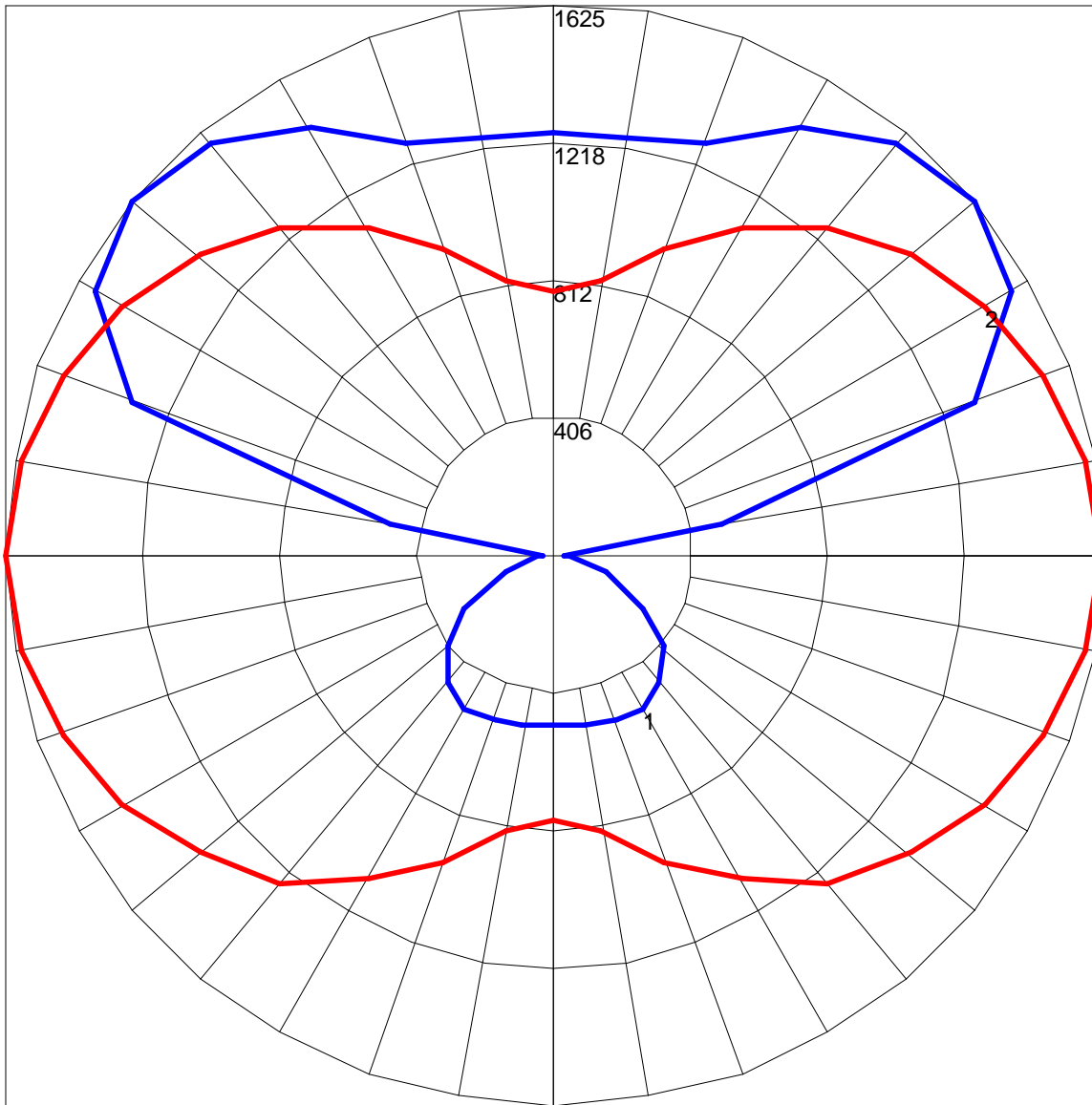
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1624.519 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.)