



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDI-4-LED-3070-FB-SS-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LDI LED 4 FB SS NW S UE 30 70

[TESTLAB] Dekko

[TESTDATE] 03-17-2017

[ISSUEDATE] 06-19-2017

[MANUFAC] LSI INDUSTRIES, INC

[_SEARCH_SOURCE] 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-3070-FB-SS-40

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4479
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	38
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.04
Spacing Criterion (Diagonal)	1.20
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 m
Luminous Width (90-270)	0.75 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	445	339	309
55	423	282	240
65	377	222	187
75	277	183	162
85	204	256	175

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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	1504.314	1504.314	1504.314	1504.314	1504.314	1504.314	1504.314	1504.314	1504.314	1504.314
10	1436.581	1430.586	1421.542	1415.129	1409.358	1403.097	1400.261	1399.683	1400.011	1397.483
20	1335.713	1325.859	1304.369	1281.225	1259.565	1243.393	1232.924	1229.266	1231.375	1231.994
30	1211.793	1194.460	1155.850	1109.614	1071.096	1042.384	1024.316	1016.134	1018.176	1021.331
40	1046.398	1022.953	969.095	911.756	856.119	817.097	790.871	779.550	780.302	785.045
50	842.364	814.405	751.206	686.986	626.327	580.726	548.868	525.779	523.498	526.069
60	612.606	584.306	521.059	456.909	395.508	342.093	311.435	299.723	298.247	298.949
70	344.692	327.417	286.809	239.788	201.103	187.107	181.153	178.696	176.122	175.406
80	85.639	87.311	87.392	88.172	92.989	88.293	84.948	81.424	77.913	75.786
90	20.850	24.476	30.653	44.977	48.155	38.464	30.665	22.704	17.198	15.611
100	86.530	86.691	100.979	107.243	113.378	116.840	100.552	90.479	68.276	50.189
110	201.558	210.098	203.680	190.675	189.120	173.101	159.190	137.195	113.711	103.941
120	251.293	280.678	253.108	254.996	235.769	213.211	195.648	176.475	159.801	153.538
130	273.128	304.247	289.066	266.998	244.131	258.564	236.288	210.128	195.842	193.426
140	277.365	291.621	312.135	284.707	270.796	248.478	231.707	227.175	228.927	230.241
150	271.251	274.913	293.029	302.043	286.377	269.535	262.156	257.483	254.265	252.857
160	259.803	259.933	266.970	278.247	286.490	289.244	286.899	283.523	281.834	282.863
170	258.208	257.246	257.567	261.068	265.401	268.888	271.834	273.559	274.233	274.279
180	260.560	259.573	259.170	258.669	258.451	257.910	257.560	257.243	256.728	256.560

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	518.48	N.A.	11.60
0-30	1062.1	N.A.	23.70
0-40	1676.06	N.A.	37.40
0-60	2729.44	N.A.	60.90
0-80	3208.95	N.A.	71.60
0-90	3272.27	N.A.	73.10
10-90	3133.15	N.A.	70.00
20-40	1157.58	N.A.	25.80
20-50	1742.09	N.A.	38.90
40-70	1367.89	N.A.	30.50
60-80	479.51	N.A.	10.70
70-80	165.00	N.A.	3.70
80-90	63.32	N.A.	1.40
90-110	208.41	N.A.	4.70
90-120	401.51	N.A.	9.00
90-130	611.37	N.A.	13.70
90-150	976.68	N.A.	21.80
90-180	1206.59	N.A.	26.90
110-180	998.18	N.A.	22.30
0-180	4478.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	139.13
10-20	379.35
20-30	543.62
30-40	613.96
40-50	584.51
50-60	468.87
60-70	314.51
70-80	165.00
80-90	63.32
90-100	68.39
100-110	140.02
110-120	193.10
120-130	209.87
130-140	197.39
140-150	167.91
150-160	127.71
160-170	77.17
170-180	25.03

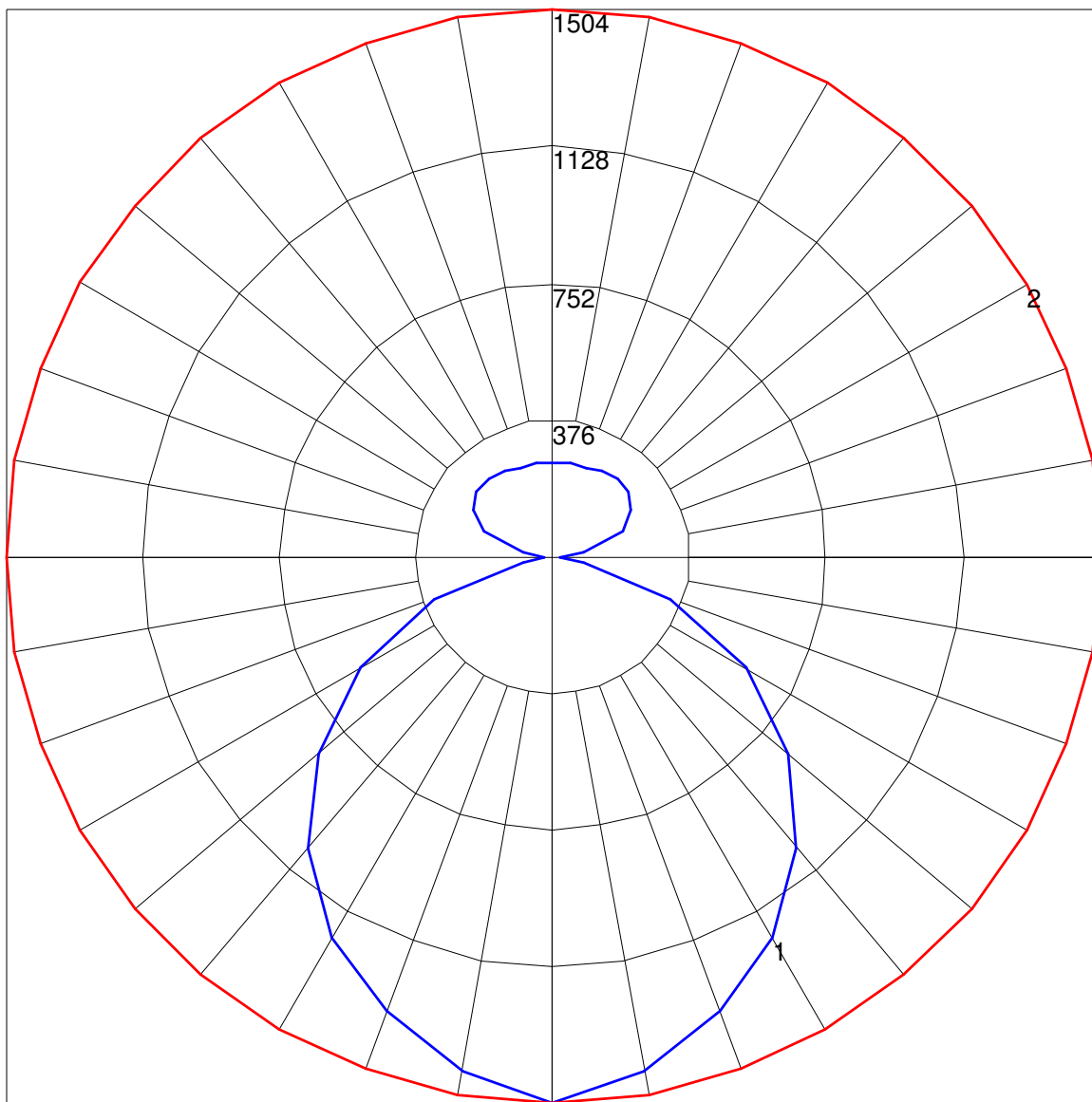
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	113	113	113	107	107	107	107	96	96	96	86	86	86	77	77	77	73
1	103	99	95	92	98	94	91	88	85	82	80	77	75	73	69	67	66	62
2	94	87	81	76	89	83	77	73	75	71	67	68	65	62	61	59	56	53
3	87	77	70	64	82	73	67	61	67	61	57	60	56	53	55	51	49	45
4	79	69	61	54	75	65	58	53	60	54	49	54	49	46	49	45	42	39
5	73	61	53	47	69	59	51	46	54	48	43	49	44	40	45	40	37	34
6	68	55	47	41	64	53	46	40	49	42	38	45	39	35	41	36	33	31
7	63	50	42	37	60	48	41	36	44	38	34	41	35	31	37	33	30	27
8	59	46	38	33	56	44	37	32	41	34	30	37	32	28	34	30	27	24
9	55	42	35	29	52	41	34	29	37	31	27	35	29	26	32	27	24	22
10	51	39	32	27	49	37	31	26	35	29	25	32	27	23	30	25	22	20

POLAR GRAPH



Maximum Candela = 1504.314 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)