



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDI-4-LED-3070-FB-HO-35.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LDI LED 4 FB HO WW 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-HO-35

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5042
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	50.1
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	501	382	348
55	476	318	270
65	425	250	210
75	312	206	182
85	229	288	197

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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>
<b>0</b>	1693.337	1693.337	1693.337	1693.337	1693.337	1693.337	1693.337	1693.337	1693.337	1693.337
<b>10</b>	1617.094	1610.346	1600.165	1592.946	1586.451	1579.402	1576.210	1575.560	1575.929	1573.083
<b>20</b>	1503.551	1492.459	1468.269	1442.217	1417.835	1399.631	1387.847	1383.729	1386.102	1386.799
<b>30</b>	1364.061	1344.549	1301.088	1249.042	1205.684	1173.364	1153.026	1143.815	1146.114	1149.666
<b>40</b>	1177.883	1151.492	1090.866	1026.322	963.694	919.769	890.248	877.504	878.351	883.690
<b>50</b>	948.211	916.739	845.598	773.309	705.028	653.696	617.836	591.846	589.278	592.172
<b>60</b>	689.582	657.727	586.533	514.321	445.206	385.079	350.569	337.385	335.723	336.513
<b>70</b>	388.004	368.558	322.847	269.919	226.373	210.618	203.915	201.150	198.252	197.447
<b>80</b>	96.400	98.282	98.373	99.251	104.673	99.388	95.623	91.655	87.704	85.309
<b>90</b>	23.469	27.552	34.505	50.628	54.206	43.297	34.519	25.557	19.359	17.572
<b>100</b>	97.403	97.584	113.667	120.718	127.625	131.522	113.186	101.848	76.856	56.495
<b>110</b>	226.885	236.498	229.273	214.635	212.884	194.852	179.193	154.435	127.999	117.001
<b>120</b>	282.869	315.946	284.912	287.037	265.394	240.002	220.232	198.650	179.881	172.831
<b>130</b>	307.447	342.477	325.389	300.548	274.807	291.053	265.979	236.532	220.451	217.731
<b>140</b>	312.217	328.265	351.356	320.482	304.823	279.700	260.823	255.720	257.693	259.172
<b>150</b>	305.335	309.457	329.850	339.996	322.362	303.404	295.097	289.836	286.214	284.630
<b>160</b>	292.448	292.595	300.516	313.210	322.489	325.588	322.949	319.149	317.248	318.406
<b>170</b>	290.652	289.570	289.932	293.872	298.749	302.674	305.991	307.932	308.692	308.743
<b>180</b>	293.300	292.189	291.736	291.172	290.927	290.317	289.923	289.567	288.987	288.798

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	583.63	N.A.	11.60
0-30	1195.56	N.A.	23.70
0-40	1886.67	N.A.	37.40
0-60	3072.41	N.A.	60.90
0-80	3612.17	N.A.	71.60
0-90	3683.45	N.A.	73.10
10-90	3526.84	N.A.	70.00
20-40	1303.04	N.A.	25.80
20-50	1961.00	N.A.	38.90
40-70	1539.77	N.A.	30.50
60-80	539.76	N.A.	10.70
70-80	185.73	N.A.	3.70
80-90	71.28	N.A.	1.40
90-110	234.60	N.A.	4.70
90-120	451.96	N.A.	9.00
90-130	688.20	N.A.	13.70
90-150	1099.4	N.A.	21.80
90-180	1358.2	N.A.	26.90
110-180	1123.61	N.A.	22.30
0-180	5041.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	156.61
10-20	427.02
20-30	611.93
30-40	691.11
40-50	657.96
50-60	527.79
60-70	354.03
70-80	185.73
80-90	71.28
90-100	76.99
100-110	157.61
110-120	217.36
120-130	236.24
130-140	222.20
140-150	189.01
150-160	143.75
160-170	86.87
170-180	28.18

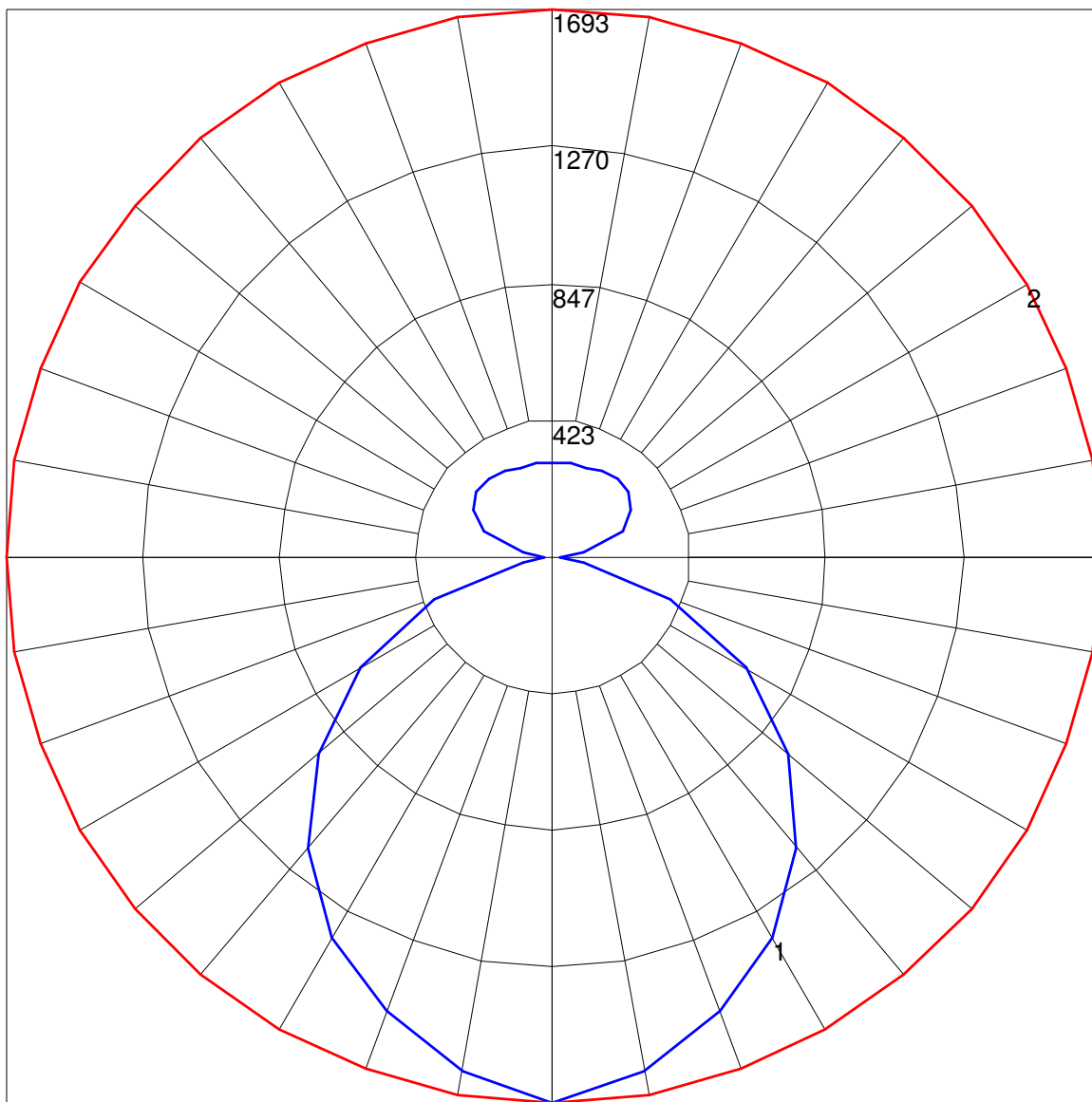
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	30
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	33	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 = 1693.337 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.)