



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-3070-PB-HO-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LDI LED 4 PB HO NW S UE 30 70  
[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-3070-PB-HO-40

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5206
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
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 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	5564	4243	3863
55	5284	3531	2996
65	4719	2775	2338
75	3464	2292	2022
85	2545	3202	2185

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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>	1748.469	1748.469	1748.469	1748.469	1748.469	1748.469	1748.469	1748.469	1748.469	1748.469
<b>10</b>	1669.744	1662.776	1652.263	1644.810	1638.103	1630.824	1627.528	1626.857	1627.238	1624.299
<b>20</b>	1552.504	1541.050	1516.073	1489.172	1463.997	1445.200	1433.032	1428.780	1431.231	1431.951
<b>30</b>	1408.472	1388.325	1343.449	1289.708	1244.939	1211.567	1190.566	1181.056	1183.430	1187.097
<b>40</b>	1216.232	1188.982	1126.383	1059.737	995.070	949.715	919.233	906.074	906.948	912.461
<b>50</b>	979.083	946.586	873.130	798.486	727.982	674.979	637.952	611.115	608.464	611.452
<b>60</b>	712.034	679.142	605.629	531.067	459.701	397.616	361.983	348.370	346.654	347.469
<b>70</b>	400.637	380.558	333.359	278.707	233.743	217.476	210.555	207.699	204.707	203.875
<b>80</b>	99.539	101.482	101.576	102.482	108.081	102.623	98.736	94.639	90.559	88.086
<b>90</b>	24.234	28.449	35.628	52.277	55.971	44.706	35.643	26.389	19.989	18.145
<b>100</b>	100.574	100.761	117.368	124.649	131.780	135.804	116.871	105.164	79.358	58.334
<b>110</b>	234.272	244.198	236.738	221.623	219.815	201.196	185.027	159.463	132.166	120.811
<b>120</b>	292.079	326.233	294.188	296.382	274.035	247.816	227.403	205.117	185.738	178.458
<b>130</b>	317.457	353.627	335.983	310.333	283.754	300.529	274.639	244.233	227.628	224.819
<b>140</b>	322.382	338.952	362.796	330.916	314.747	288.807	269.314	264.046	266.083	267.610
<b>150</b>	315.276	319.533	340.589	351.065	332.857	313.282	304.705	299.273	295.533	293.897
<b>160</b>	301.970	302.122	310.300	323.408	332.988	336.189	333.464	329.539	327.577	328.773
<b>170</b>	300.116	298.998	299.371	303.440	308.476	312.529	315.954	317.958	318.742	318.796
<b>180</b>	302.850	301.702	301.234	300.652	300.399	299.769	299.363	298.995	298.396	298.201

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	602.63	N.A.	11.60
0-30	1234.48	N.A.	23.70
0-40	1948.09	N.A.	37.40
0-60	3172.44	N.A.	60.90
0-80	3729.78	N.A.	71.60
0-90	3803.38	N.A.	73.10
10-90	3641.67	N.A.	70.00
20-40	1345.46	N.A.	25.80
20-50	2024.84	N.A.	38.90
40-70	1589.91	N.A.	30.50
60-80	557.34	N.A.	10.70
70-80	191.78	N.A.	3.70
80-90	73.60	N.A.	1.40
90-110	242.23	N.A.	4.70
90-120	466.67	N.A.	9.00
90-130	710.60	N.A.	13.70
90-150	1135.2	N.A.	21.80
90-180	1402.42	N.A.	26.90
110-180	1160.19	N.A.	22.30
0-180	5205.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	161.71
10-20	440.92
20-30	631.85
30-40	713.61
40-50	679.38
50-60	544.97
60-70	365.56
70-80	191.78
80-90	73.60
90-100	79.49
100-110	162.74
110-120	224.44
120-130	243.93
130-140	229.43
140-150	195.16
150-160	148.44
160-170	89.70
170-180	29.09

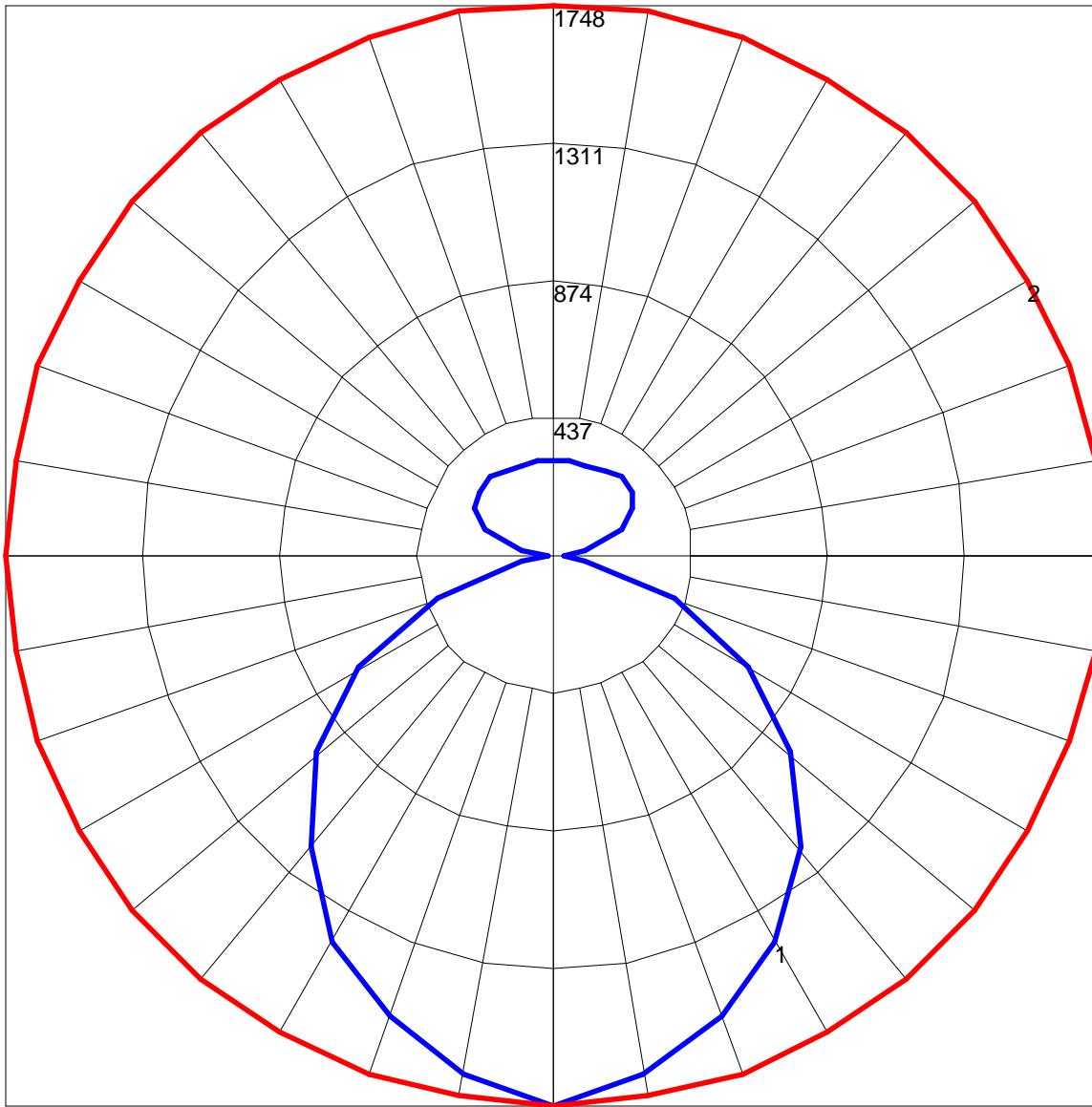
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1748.469 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.)