



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-5050-PB-SS-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LDI LED 4 PB SS WW S UE 50 50  
[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-5050-PB-SS-35

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5080
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	38
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	2858	2155	2020
55	2687	1741	1561
65	2237	1299	1170
75	1356	976	945
85	501	1276	881

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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>	860.189	860.189	860.189	860.189	860.189	860.189	860.189	860.189	860.189	860.189
<b>10</b>	810.391	816.207	816.816	815.173	813.167	811.551	811.281	812.803	814.696	818.090
<b>20</b>	768.879	769.928	761.336	747.638	735.220	725.374	720.315	719.279	722.900	728.152
<b>30</b>	713.174	708.852	685.714	659.764	632.425	613.842	602.559	599.176	603.374	610.253
<b>40</b>	623.694	613.387	580.610	543.135	510.322	484.600	467.514	461.559	465.829	473.942
<b>50</b>	503.816	488.974	449.403	405.687	366.982	338.862	319.963	312.364	315.345	322.818
<b>60</b>	356.084	339.863	302.384	261.140	219.789	188.597	173.112	171.109	173.033	176.893
<b>70</b>	171.376	165.425	147.108	123.107	104.186	99.995	97.816	96.453	97.102	98.885
<b>80</b>	24.369	27.743	31.059	34.704	39.139	38.666	38.832	38.100	37.132	37.558
<b>90</b>	0.000	2.516	7.498	13.183	23.169	23.154	14.954	12.699	8.674	5.283
<b>100</b>	139.247	149.142	169.434	181.987	194.632	182.999	180.651	162.813	134.746	109.868
<b>110</b>	541.554	569.384	554.859	532.293	512.668	479.912	430.684	369.133	290.406	247.420
<b>120</b>	757.293	779.993	777.693	734.796	686.534	629.073	571.198	495.808	416.024	386.521
<b>130</b>	821.995	827.474	829.635	807.303	758.121	702.165	642.614	573.940	521.146	507.647
<b>140</b>	825.025	828.183	821.992	809.487	782.085	733.916	684.839	640.566	618.962	614.653
<b>150</b>	789.486	789.508	782.875	770.241	753.266	730.211	704.396	687.168	681.710	680.200
<b>160</b>	732.358	732.116	731.537	726.093	719.088	712.214	707.612	707.557	708.090	709.505
<b>170</b>	709.845	707.581	709.075	711.774	713.352	714.644	715.145	716.558	713.857	710.309
<b>180</b>	712.372	709.122	707.206	706.323	705.538	705.963	704.908	703.613	695.960	692.488

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	300.01	N.A.	5.90
0-30	619.33	N.A.	12.20
0-40	983.80	N.A.	19.40
0-60	1606.18	N.A.	31.60
0-80	1861.8	N.A.	36.60
0-90	1887.55	N.A.	37.20
10-90	1807.65	N.A.	35.60
20-40	683.79	N.A.	13.50
20-50	1031.72	N.A.	20.30
40-70	796.74	N.A.	15.70
60-80	255.62	N.A.	5.00
70-80	81.26	N.A.	1.60
80-90	25.75	N.A.	0.50
90-110	426.34	N.A.	8.40
90-120	966.59	N.A.	19.00
90-130	1564.21	N.A.	30.80
90-150	2585.38	N.A.	50.90
90-180	3192.66	N.A.	62.80
110-180	2766.32	N.A.	54.50
0-180	5080.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	79.91
10-20	220.10
20-30	319.32
30-40	364.47
40-50	347.93
50-60	274.45
60-70	174.36
70-80	81.26
80-90	25.75
90-100	96.34
100-110	330.00
110-120	540.25
120-130	597.62
130-140	557.91
140-150	463.26
150-160	336.85
160-170	202.79
170-180	67.63

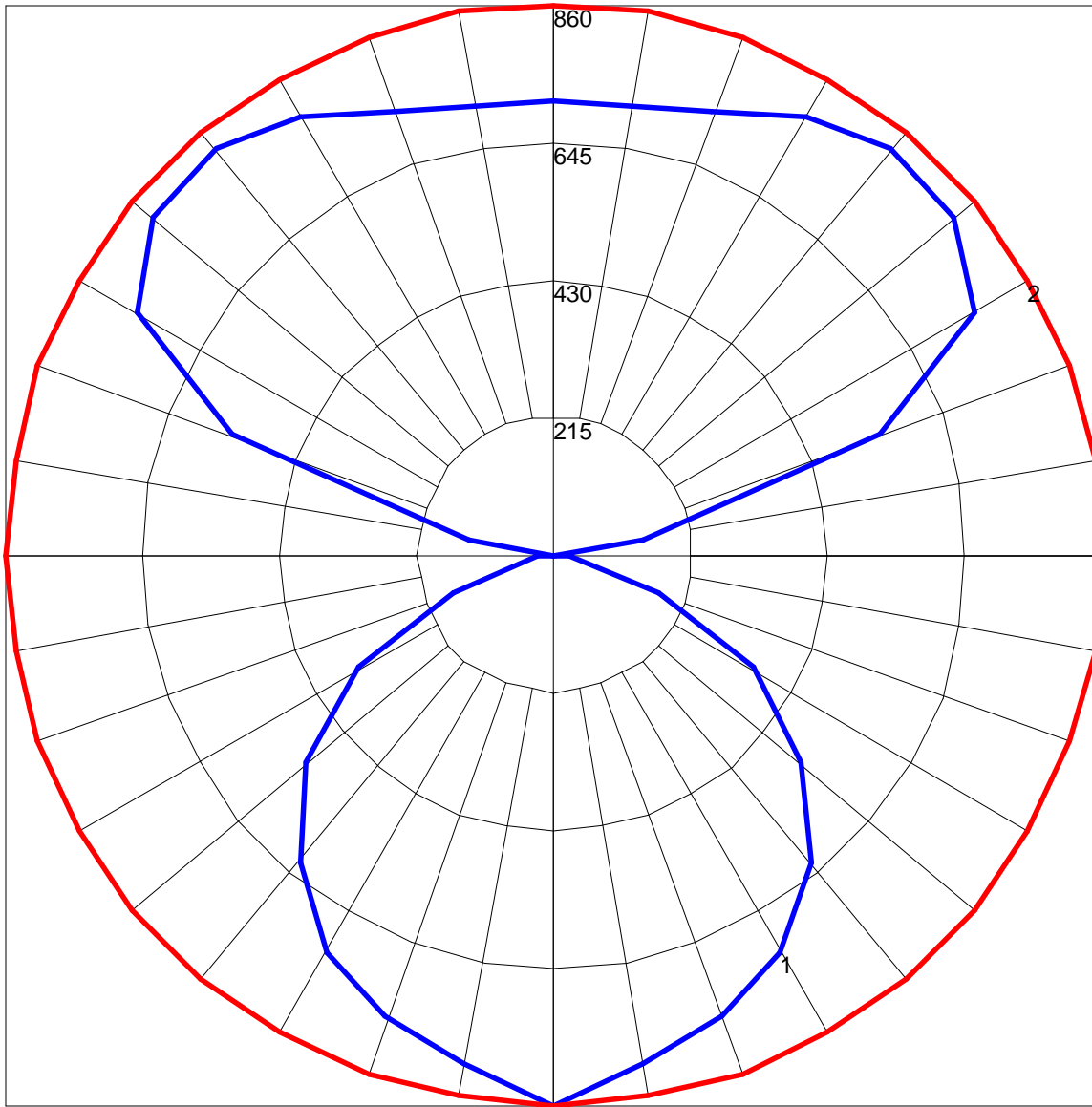
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44	37
1	95	91	87	84	86	83	80	77	67	65	63	53	51	50	40	39	38	32
2	87	80	74	69	79	73	68	64	59	56	53	47	44	42	35	34	32	27
3	79	70	63	58	72	64	58	53	52	48	45	42	39	36	31	30	28	23
4	73	62	55	49	66	57	50	45	47	42	38	37	34	31	28	26	24	20
5	67	56	48	42	60	51	44	39	42	37	33	33	30	27	26	23	21	18
6	62	50	42	37	56	46	39	34	38	33	29	30	27	24	23	21	19	16
7	57	45	37	32	52	41	35	30	34	29	25	28	24	21	21	19	17	14
8	53	41	33	28	48	38	31	26	31	26	23	25	22	19	20	17	15	13
9	49	37	30	25	45	34	28	24	29	24	20	23	20	17	18	16	14	11
10	46	34	27	23	42	31	25	21	26	22	18	21	18	15	17	14	12	10

POLAR GRAPH



Maximum Candela = 860.189 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.)