



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-6040-PB-SS-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LDI LED 4 PB SS NW S UE 60 40  
[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-6040-PB-SS-40

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6089
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	160
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	2560	1815	1572
55	2538	1563	1259
65	2354	1271	1005
75	1823	1109	907
85	1512	1960	1263

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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>	628.275	628.275	628.275	628.275	628.275	628.275	628.275	628.275	628.275	628.275
<b>10</b>	615.822	612.428	610.256	605.301	602.016	598.812	596.493	596.566	595.800	595.143
<b>20</b>	605.553	600.166	588.293	574.044	561.106	549.069	541.418	538.018	537.649	538.007
<b>30</b>	590.218	581.360	557.299	529.968	504.789	483.346	466.156	458.933	458.836	459.741
<b>40</b>	546.051	532.673	498.271	457.515	423.626	395.847	376.790	366.155	364.895	365.922
<b>50</b>	463.787	444.275	405.970	361.458	321.453	290.875	268.405	256.683	253.340	254.206
<b>60</b>	348.363	329.659	290.849	248.722	209.632	178.253	155.953	149.356	149.696	148.653
<b>70</b>	206.606	192.055	168.395	137.884	110.258	101.355	96.084	92.432	89.827	88.366
<b>80</b>	56.686	57.441	57.143	56.413	54.931	53.650	50.968	47.342	44.249	42.575
<b>90</b>	16.847	20.307	24.241	36.667	41.041	41.000	32.507	25.969	23.132	18.832
<b>100</b>	177.990	176.618	200.129	217.157	231.916	241.141	241.212	219.451	178.740	142.656
<b>110</b>	762.504	751.192	734.215	716.092	683.833	651.636	600.012	517.032	399.292	315.464
<b>120</b>	1136.489	1143.218	1107.475	1050.148	982.081	903.357	801.318	684.766	555.391	493.464
<b>130</b>	1233.327	1227.450	1202.376	1163.049	1103.108	999.149	893.125	785.805	693.629	660.438
<b>140</b>	1246.863	1235.743	1204.998	1168.022	1116.098	1045.494	965.218	878.109	818.312	800.605
<b>150</b>	1175.637	1169.057	1144.182	1111.486	1070.984	1024.944	975.111	934.896	912.699	906.542
<b>160</b>	1072.894	1068.405	1059.170	1039.951	1015.609	990.020	971.939	959.090	952.848	953.910
<b>170</b>	1000.744	997.649	996.713	995.434	994.034	992.507	990.868	987.356	985.323	983.868
<b>180</b>	991.539	986.488	985.270	985.028	984.817	984.927	985.005	984.906	984.541	983.538

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	223.86	N.A.	3.70
0-30	471.42	N.A.	7.70
0-40	765.89	N.A.	12.60
0-60	1305.21	N.A.	21.40
0-80	1570.44	N.A.	25.80
0-90	1614.96	N.A.	26.50
10-90	1556.22	N.A.	25.60
20-40	542.03	N.A.	8.90
20-50	836.02	N.A.	13.70
40-70	710.08	N.A.	11.70
60-80	265.23	N.A.	4.40
70-80	94.48	N.A.	1.60
80-90	44.52	N.A.	0.70
90-110	567.46	N.A.	9.30
90-120	1319.37	N.A.	21.70
90-130	2169.54	N.A.	35.60
90-150	3621.74	N.A.	59.50
90-180	4474.21	N.A.	73.50
110-180	3906.75	N.A.	64.20
0-180	6089.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	58.75
10-20	165.11
20-30	247.56
30-40	294.47
40-50	294.00
50-60	245.33
60-70	170.75
70-80	94.48
80-90	44.52
90-100	129.07
100-110	438.39
110-120	751.91
120-130	850.17
130-140	794.68
140-150	657.52
150-160	474.56
160-170	283.51
170-180	94.40

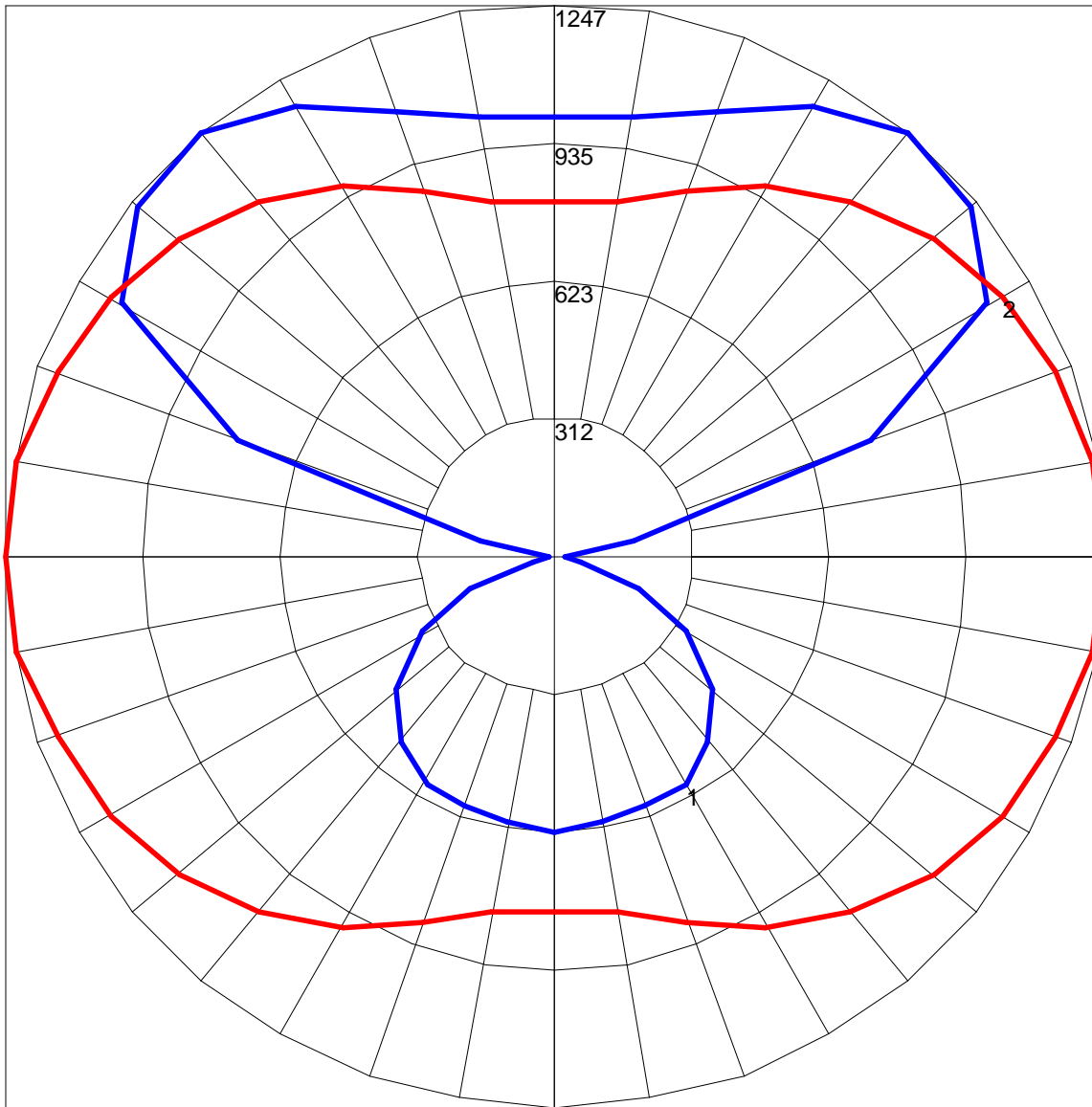
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	102	102	102	102	91	91	91	91	70	70	70	52	52	52	35	35	35	27
1	92	88	85	81	82	79	76	73	61	59	57	45	44	43	30	30	29	22
2	84	77	71	66	75	69	64	60	54	50	48	40	38	36	27	26	24	19
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	24	22	21	16
4	70	60	52	46	62	54	47	42	42	38	34	31	28	26	21	19	18	14
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14	10
7	55	43	35	30	49	39	32	27	30	26	22	23	20	17	16	14	12	9
8	50	39	31	26	45	35	28	24	28	23	20	21	18	15	14	12	11	8
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10	7
10	44	32	25	21	39	29	23	19	23	19	16	18	14	12	12	10	9	7

POLAR GRAPH



Maximum Candela = 1246.863 Located At Horizontal Angle = 0, Vertical Angle = 140  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (140) (Through Max. Cd.)