



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-6040-PB-SS-30.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LDI LED 4 PB SS SW 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-30

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5723
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	151
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	2406	1705	1477
55	2385	1469	1183
65	2212	1195	945
75	1714	1042	852
85	1421	1842	1187

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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>	590.447	590.447	590.447	590.447	590.447	590.447	590.447	590.447	590.447	590.447
<b>10</b>	578.744	575.554	573.513	568.856	565.769	562.758	560.578	560.647	559.927	559.310
<b>20</b>	569.093	564.031	552.872	539.482	527.322	516.010	508.819	505.624	505.277	505.614
<b>30</b>	554.681	546.357	523.744	498.059	474.396	454.244	438.089	431.300	431.210	432.060
<b>40</b>	513.173	500.601	468.270	429.969	398.120	372.014	354.104	344.109	342.925	343.890
<b>50</b>	435.863	417.526	381.527	339.694	302.098	273.361	252.245	241.228	238.087	238.900
<b>60</b>	327.389	309.811	273.337	233.746	197.011	167.521	146.563	140.363	140.683	139.703
<b>70</b>	194.167	180.492	158.256	129.582	103.620	95.253	90.299	86.867	84.419	83.045
<b>80</b>	53.273	53.983	53.702	53.016	51.623	50.419	47.899	44.492	41.584	40.012
<b>90</b>	15.833	19.084	22.781	34.459	38.570	38.531	30.550	24.406	21.740	17.698
<b>100</b>	167.273	165.984	188.079	204.082	217.952	226.622	226.688	206.238	167.978	134.066
<b>110</b>	716.594	705.963	690.009	672.976	642.660	612.402	563.886	485.902	375.251	296.470
<b>120</b>	1068.062	1074.386	1040.795	986.919	922.950	848.967	753.071	643.537	521.952	463.753
<b>130</b>	1159.069	1153.546	1129.982	1093.022	1036.690	938.990	839.351	738.492	651.866	620.673
<b>140</b>	1171.790	1161.340	1132.445	1097.696	1048.898	982.546	907.103	825.238	769.042	752.401
<b>150</b>	1104.853	1098.669	1075.292	1044.564	1006.501	963.233	916.400	878.607	857.746	851.959
<b>160</b>	1008.296	1004.077	995.398	977.337	954.460	930.412	913.419	901.343	895.477	896.475
<b>170</b>	940.490	937.581	936.701	935.499	934.183	932.749	931.209	927.908	925.997	924.630
<b>180</b>	931.839	927.092	925.947	925.720	925.522	925.625	925.699	925.605	925.262	924.319

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	210.38	N.A.	3.70
0-30	443.04	N.A.	7.70
0-40	719.77	N.A.	12.60
0-60	1226.63	N.A.	21.40
0-80	1475.89	N.A.	25.80
0-90	1517.73	N.A.	26.50
10-90	1462.52	N.A.	25.60
20-40	509.39	N.A.	8.90
20-50	785.69	N.A.	13.70
40-70	667.32	N.A.	11.70
60-80	249.26	N.A.	4.40
70-80	88.79	N.A.	1.60
80-90	41.84	N.A.	0.70
90-110	533.29	N.A.	9.30
90-120	1239.93	N.A.	21.70
90-130	2038.91	N.A.	35.60
90-150	3403.68	N.A.	59.50
90-180	4204.82	N.A.	73.50
110-180	3671.53	N.A.	64.20
0-180	5722.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	55.21
10-20	155.17
20-30	232.66
30-40	276.74
40-50	276.30
50-60	230.56
60-70	160.47
70-80	88.79
80-90	41.84
90-100	121.30
100-110	411.99
110-120	706.64
120-130	798.99
130-140	746.83
140-150	617.93
150-160	445.99
160-170	266.44
170-180	88.72

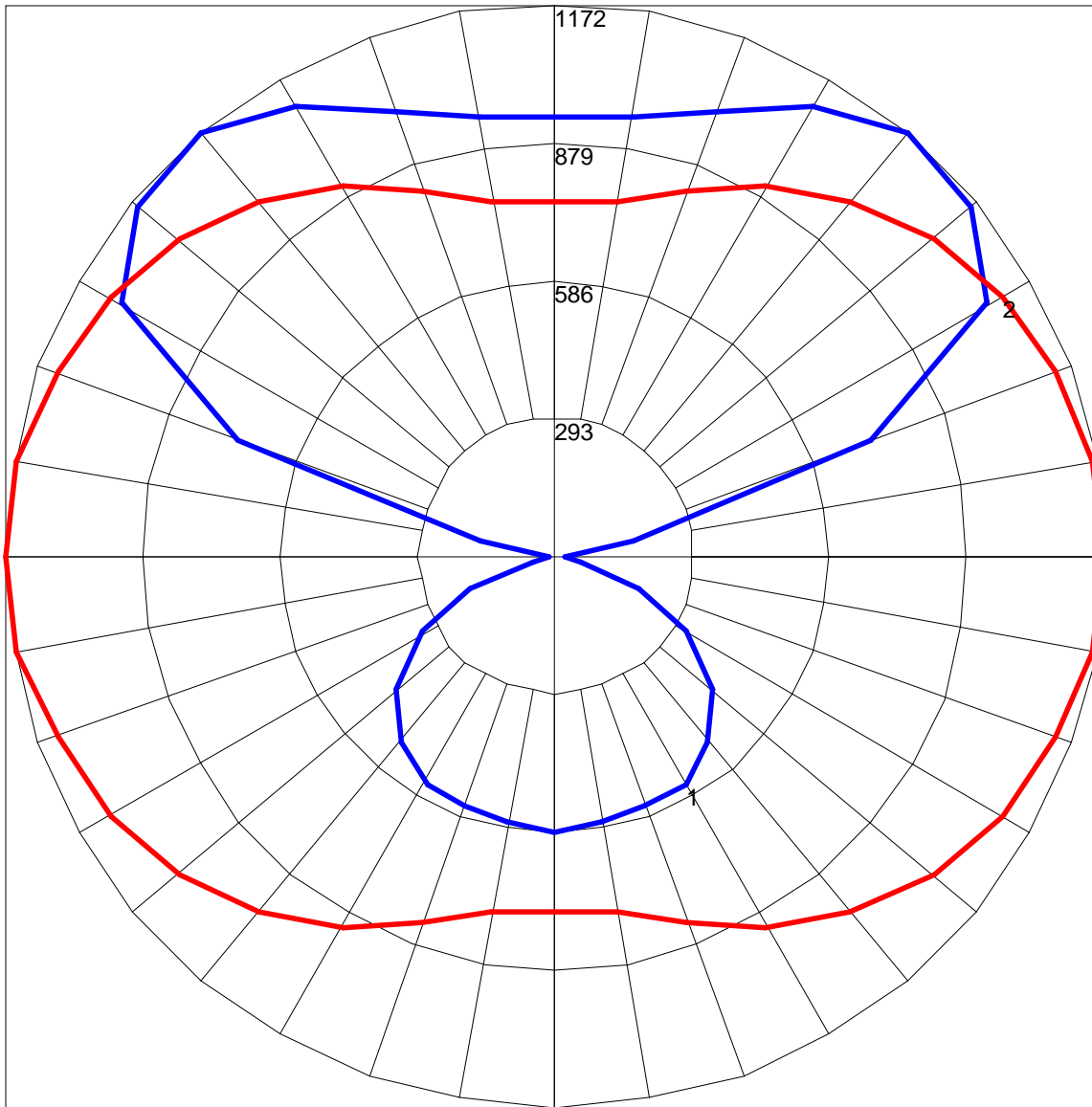
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1171.79 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.)