



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LDI LED 4 PB SS WW S UE
[TESTLAB] Dekko
[TESTDATE] 03-20-2017
[ISSUEDATE]06-19-2017
[MANUFAC]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-PB-SS-35

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6376
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	168
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	2045	1416	1194
55	2012	1229	984
65	1755	1002	808
75	1263	898	764
85	1538	1839	1196

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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>
0	443.461	443.461	443.461	443.461	443.461	443.461	443.461	443.461	443.461	443.461
10	452.821	447.356	442.934	438.283	433.113	428.295	424.575	422.394	420.586	419.564
20	464.306	456.736	445.615	431.445	418.130	405.062	395.753	389.793	386.868	385.598
30	466.185	458.634	436.556	409.744	385.937	366.404	351.311	342.312	338.786	338.528
40	436.903	427.397	394.106	360.846	331.366	305.217	287.568	277.100	273.824	274.477
50	370.025	357.752	324.974	285.346	253.251	227.506	208.448	198.441	195.399	196.705
60	273.974	259.912	229.996	196.577	165.479	140.065	123.340	118.615	117.707	118.184
70	139.831	134.311	120.750	103.497	86.376	80.740	77.893	74.875	73.099	72.349
80	42.625	43.525	44.024	44.370	46.172	46.145	42.902	40.682	38.944	37.941
90	32.145	27.954	29.511	33.105	43.026	43.486	34.178	30.408	27.029	20.230
100	441.629	415.849	397.681	327.750	313.733	271.087	258.972	218.701	162.832	108.844
110	1180.085	1149.464	1100.480	986.310	898.564	765.520	671.809	552.903	391.815	284.788
120	1386.912	1364.754	1312.449	1235.304	1132.841	1022.240	897.382	738.699	573.188	497.026
130	1439.694	1413.024	1370.356	1304.858	1217.602	1115.509	982.152	851.333	731.634	689.185
140	1395.749	1367.691	1329.774	1278.501	1202.869	1130.562	1024.825	923.109	863.661	844.173
150	1286.554	1267.835	1238.152	1208.655	1152.099	1105.125	1030.362	982.475	959.842	951.319
160	1150.274	1138.134	1124.154	1112.817	1087.083	1073.006	1053.078	1037.195	1030.964	1024.295
170	1108.194	1098.524	1093.719	1087.622	1082.898	1079.332	1075.012	1072.795	1068.397	1066.722
180	1099.781	1091.412	1088.285	1087.756	1081.608	1083.205	1081.533	1080.323	1080.225	1080.388

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	162.26	N.A.	2.50
0-30	348.60	N.A.	5.50
0-40	575.63	N.A.	9.00
0-60	999.21	N.A.	15.70
0-80	1205.01	N.A.	18.90
0-90	1246.34	N.A.	19.50
10-90	1204.53	N.A.	18.90
20-40	413.37	N.A.	6.50
20-50	643.45	N.A.	10.10
40-70	556.23	N.A.	8.70
60-80	205.80	N.A.	3.20
70-80	73.15	N.A.	1.10
80-90	41.34	N.A.	0.60
90-110	759.34	N.A.	11.90
90-120	1667.48	N.A.	26.20
90-130	2627.93	N.A.	41.20
90-150	4209.6	N.A.	66.00
90-180	5129.33	N.A.	80.50
110-180	4369.99	N.A.	68.50
0-180	6375.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	41.81
10-20	120.44
20-30	186.34
30-40	227.03
40-50	230.08
50-60	193.50
60-70	132.65
70-80	73.15
80-90	41.34
90-100	178.01
100-110	581.33
110-120	908.14
120-130	960.45
130-140	873.05
140-150	708.62
150-160	509.34
160-170	306.92
170-180	103.46

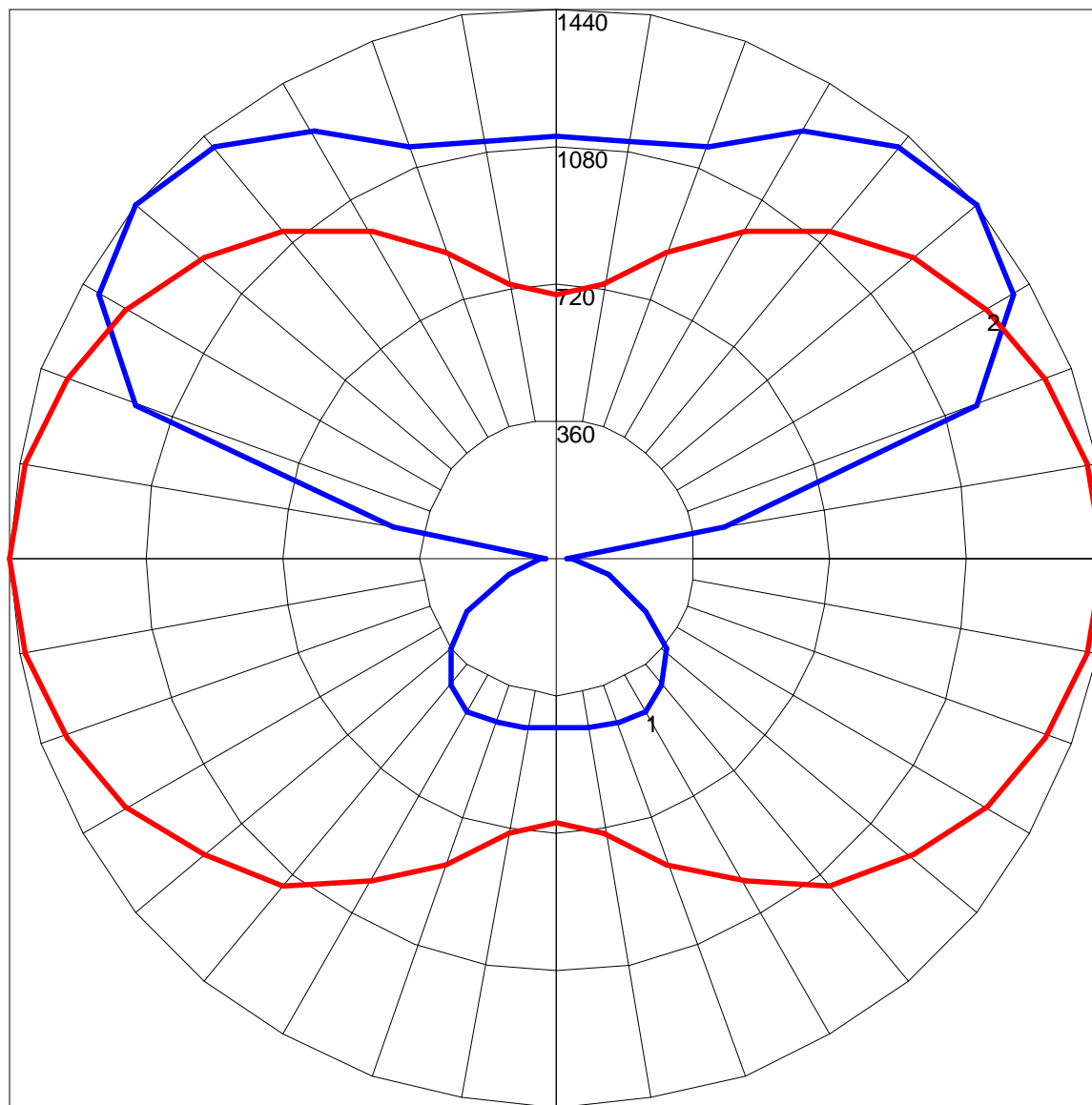
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	20
1	91	87	83	80	80	77	74	71	58	56	54	41	39	38	25	24	24	16
2	83	76	70	65	73	67	62	58	51	47	45	36	34	32	22	21	20	14
3	75	66	59	54	66	59	53	48	45	41	37	31	29	27	19	18	17	12
4	69	59	51	45	60	52	46	41	40	35	32	28	25	23	17	16	14	10
5	63	52	44	39	55	46	40	35	35	31	27	25	22	20	15	14	13	9
6	58	46	39	33	51	41	35	30	32	27	24	22	19	17	14	12	11	8
7	53	42	34	29	47	37	31	26	28	24	21	20	17	15	13	11	10	7
8	49	38	30	25	43	34	27	23	26	21	18	18	15	13	12	10	9	6
9	46	34	27	22	40	30	24	20	23	19	16	17	14	12	11	9	8	5
10	43	31	24	20	38	28	22	18	21	17	14	15	13	11	10	8	7	5

POLAR GRAPH



Maximum Candela = 1439.694 Located At Horizontal Angle = 0, Vertical Angle = 130
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (130) (Through Max. Cd.)