



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDI-4-LED-2080-FB-SS-30.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[\_ABSOLUTE]LUMENS] 5605.59344205844

[TEST]LDI LED 4 FB SS SW S UE 20 80

[TESTLAB]Dekko.

[TESTDATE] 03-17-2017

[ISSUEDATE]06-19-2017

[MANUFAC]LSI INDUSTRIES, INC

[\_SEARCH\_SOURCE]TYPE] 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-2080-FB-SS-30

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3902
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	38
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)	0.50 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6586	5103	4593
55	6103	4195	3557
65	5071	3231	2723
75	3374	2517	2265
85	2447	2816	1916

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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>	1388.888	1388.888	1388.888	1388.888	1388.888	1388.888	1388.888	1388.888	1388.888	1388.888
<b>10</b>	1336.096	1329.780	1324.777	1317.767	1310.147	1304.331	1299.279	1296.586	1296.232	1296.656
<b>20</b>	1245.203	1234.883	1218.699	1195.047	1172.367	1154.629	1141.075	1135.918	1135.585	1138.146
<b>30</b>	1127.826	1112.912	1083.993	1043.311	1004.808	972.419	948.677	939.017	938.302	942.903
<b>40</b>	966.242	945.651	905.559	850.372	802.889	762.685	731.969	718.346	716.326	721.531
<b>50</b>	765.989	737.882	695.811	635.336	582.356	536.205	504.170	486.466	481.712	486.612
<b>60</b>	535.983	512.637	472.843	414.346	356.487	315.027	282.125	272.798	271.458	272.194
<b>70</b>	261.180	251.554	241.311	207.909	177.484	166.963	162.667	158.565	156.594	155.914
<b>80</b>	63.598	64.820	70.920	71.066	70.566	69.650	68.074	65.958	63.765	62.113
<b>90</b>	15.740	20.660	23.714	25.678	24.359	18.030	13.221	7.349	1.999	0.000
<b>100</b>	76.749	82.399	75.604	67.283	59.219	51.863	44.603	38.080	31.619	27.906
<b>110</b>	176.810	176.366	171.099	159.807	143.561	127.113	110.651	94.058	77.034	69.698
<b>120</b>	207.888	218.534	210.803	207.326	184.125	174.298	155.199	131.909	115.315	109.284
<b>130</b>	224.204	241.838	229.534	218.534	215.848	198.234	173.035	153.478	142.860	140.993
<b>140</b>	223.711	234.877	242.900	221.261	201.003	204.425	198.498	187.901	182.022	179.226
<b>150</b>	214.148	222.052	226.376	230.325	218.790	200.566	189.289	185.097	185.013	185.923
<b>160</b>	200.108	202.412	207.430	209.512	212.468	216.743	216.250	214.862	214.279	214.613
<b>170</b>	195.555	195.993	197.964	200.767	202.912	204.147	205.153	205.785	205.868	205.438
<b>180</b>	194.112	194.112	194.112	194.112	194.112	194.112	194.112	194.112	194.112	194.112

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	481.21	N.A.	12.30
0-30	986.72	N.A.	25.30
0-40	1557.57	N.A.	39.90
0-60	2526.17	N.A.	64.70
0-80	2941.23	N.A.	75.40
0-90	2986.72	N.A.	76.50
10-90	2857.88	N.A.	73.20
20-40	1076.36	N.A.	27.60
20-50	1616.92	N.A.	41.40
40-70	1246.18	N.A.	31.90
60-80	415.05	N.A.	10.60
70-80	137.49	N.A.	3.50
80-90	45.49	N.A.	1.20
90-110	138.24	N.A.	3.50
90-120	289.28	N.A.	7.40
90-130	454.36	N.A.	11.60
90-150	740.80	N.A.	19.00
90-180	914.96	N.A.	23.50
110-180	776.72	N.A.	19.90
0-180	3901.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	128.84
10-20	352.37
20-30	505.52
30-40	570.84
40-50	540.56
50-60	428.05
60-70	277.57
70-80	137.49
80-90	45.49
90-100	39.15
100-110	99.09
110-120	151.05
120-130	165.08
130-140	156.19
140-150	130.24
150-160	96.66
160-170	58.59
170-180	18.91

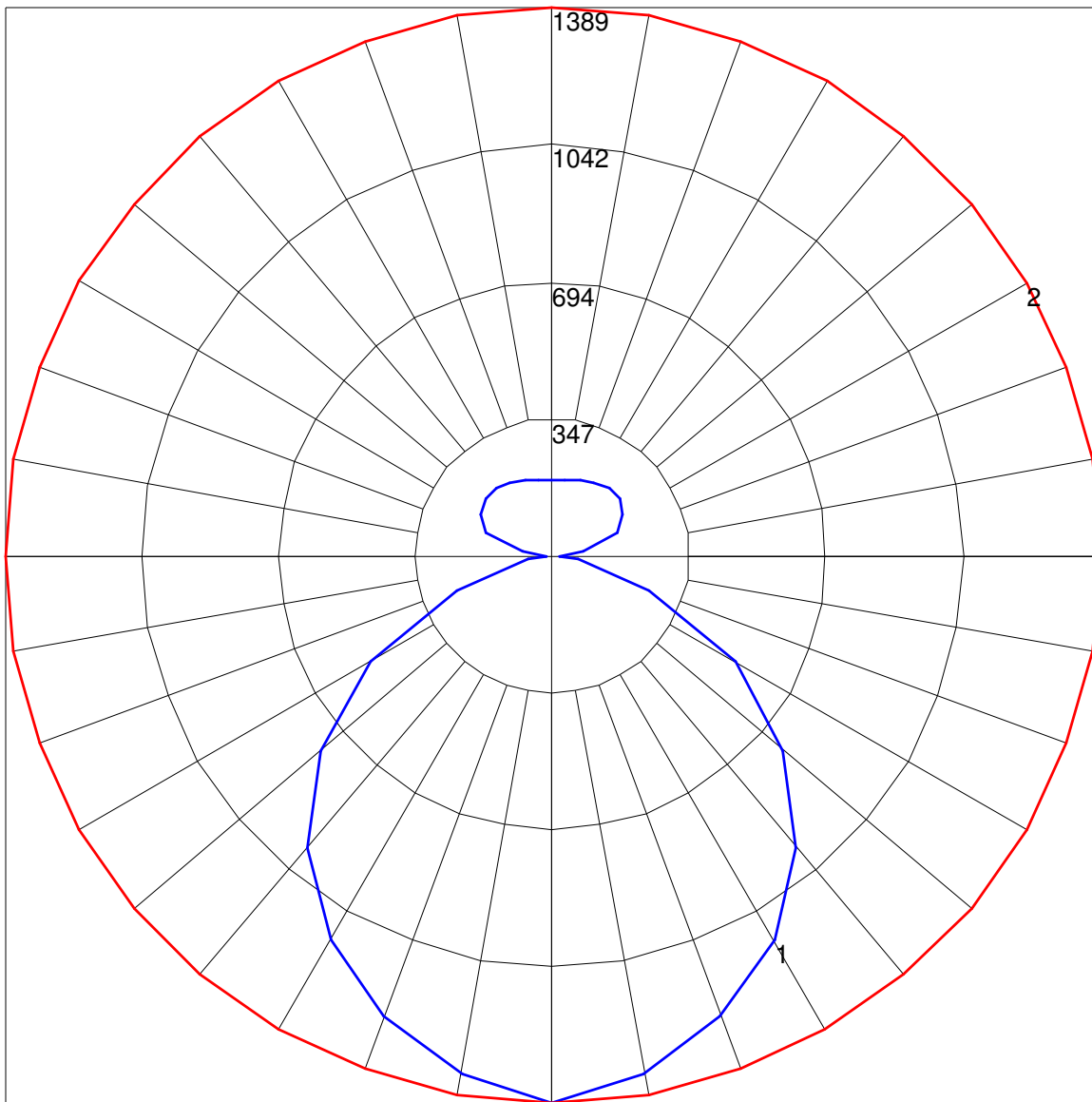
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	108	108	108	108	98	98	98	89	89	89	80	80	80	77
1	104	100	96	93	99	96	92	89	87	84	82	79	77	75	72	71	69	66
2	96	88	82	77	91	84	79	74	77	73	69	70	67	64	64	62	59	56
3	88	78	71	65	83	75	68	63	69	63	59	63	58	55	57	54	51	48
4	80	70	62	56	76	67	59	54	61	55	51	56	52	48	52	48	45	42
5	74	62	54	48	71	60	52	47	55	49	44	51	46	42	47	43	39	37
6	69	56	48	42	65	54	47	41	50	44	39	46	41	37	43	38	35	32
7	64	51	43	38	61	49	42	37	46	39	35	42	37	33	39	35	31	29
8	59	47	39	34	57	45	38	33	42	36	31	39	34	30	36	32	28	26
9	56	43	35	30	53	42	34	30	39	33	28	36	31	27	34	29	26	24
10	52	40	32	27	50	38	31	27	36	30	26	33	28	25	31	27	23	22

POLAR GRAPH



Maximum Candela = 1388.888 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.)