



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDI-4-LED-2080-FB-SS-35.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[ \_ABSOLUTE]LUMENS] 5605.59344205844  
[TEST]LDI LED 4 PB SS WW S UE 20 80  
[TESTLAB] Dekko  
[TESTDATE] 03-17-2017  
[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-2080-FB-SS-35

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4160
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
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	7023	5441	4898
55	6507	4473	3792
65	5407	3446	2904
75	3597	2684	2415
85	2610	3003	2043

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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>	1480.947	1480.947	1480.947	1480.947	1480.947	1480.947	1480.947	1480.947	1480.947	1480.947
<b>10</b>	1424.655	1417.921	1412.586	1405.112	1396.987	1390.786	1385.398	1382.527	1382.150	1382.601
<b>20</b>	1327.738	1316.734	1299.477	1274.258	1250.075	1231.160	1216.708	1211.210	1210.855	1213.585
<b>30</b>	1202.581	1186.679	1155.843	1112.464	1071.409	1036.873	1011.558	1001.257	1000.495	1005.401
<b>40</b>	1030.287	1008.331	965.582	906.737	856.106	813.238	780.485	765.959	763.806	769.356
<b>50</b>	816.760	786.790	741.931	677.448	620.956	571.746	537.588	518.710	513.641	518.866
<b>60</b>	571.509	546.616	504.184	441.810	380.116	335.908	300.825	290.879	289.451	290.235
<b>70</b>	278.492	268.228	257.305	221.689	189.248	178.029	173.449	169.075	166.974	166.248
<b>80</b>	67.814	69.116	75.621	75.776	75.243	74.266	72.587	70.330	67.991	66.230
<b>90</b>	16.783	22.030	25.286	27.380	25.974	19.225	14.097	7.837	2.131	0.000
<b>100</b>	81.837	87.860	80.616	71.743	63.144	55.300	47.560	40.604	33.714	29.755
<b>110</b>	188.530	188.056	182.440	170.400	153.076	135.538	117.986	100.292	82.140	74.318
<b>120</b>	221.667	233.019	224.775	221.068	196.329	185.851	165.486	140.652	122.958	116.528
<b>130</b>	239.064	257.868	244.748	233.019	230.155	211.374	184.504	163.651	152.329	150.338
<b>140</b>	238.539	250.446	259.000	235.927	214.326	217.974	211.655	200.355	194.087	191.105
<b>150</b>	228.342	236.770	241.381	245.591	233.292	213.860	201.835	197.365	197.277	198.246
<b>160</b>	213.372	215.828	221.179	223.399	226.551	231.109	230.584	229.104	228.482	228.838
<b>170</b>	208.517	208.983	211.085	214.075	216.361	217.678	218.751	219.425	219.514	219.055
<b>180</b>	206.978	206.978	206.978	206.978	206.978	206.978	206.978	206.978	206.978	206.978

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	513.10	N.A.	12.30
0-30	1052.13	N.A.	25.30
0-40	1660.8	N.A.	39.90
0-60	2693.61	N.A.	64.70
0-80	3136.18	N.A.	75.40
0-90	3184.69	N.A.	76.50
10-90	3047.31	N.A.	73.20
20-40	1147.7	N.A.	27.60
20-50	1724.09	N.A.	41.40
40-70	1328.78	N.A.	31.90
60-80	442.57	N.A.	10.60
70-80	146.60	N.A.	3.50
80-90	48.51	N.A.	1.20
90-110	147.40	N.A.	3.50
90-120	308.46	N.A.	7.40
90-130	484.48	N.A.	11.60
90-150	789.90	N.A.	19.00
90-180	975.60	N.A.	23.50
110-180	828.20	N.A.	19.90
0-180	4160.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	137.38
10-20	375.72
20-30	539.02
30-40	608.68
40-50	576.39
50-60	456.42
60-70	295.97
70-80	146.60
80-90	48.51
90-100	41.74
100-110	105.66
110-120	161.06
120-130	176.02
130-140	166.55
140-150	138.88
150-160	103.06
160-170	62.47
170-180	20.16

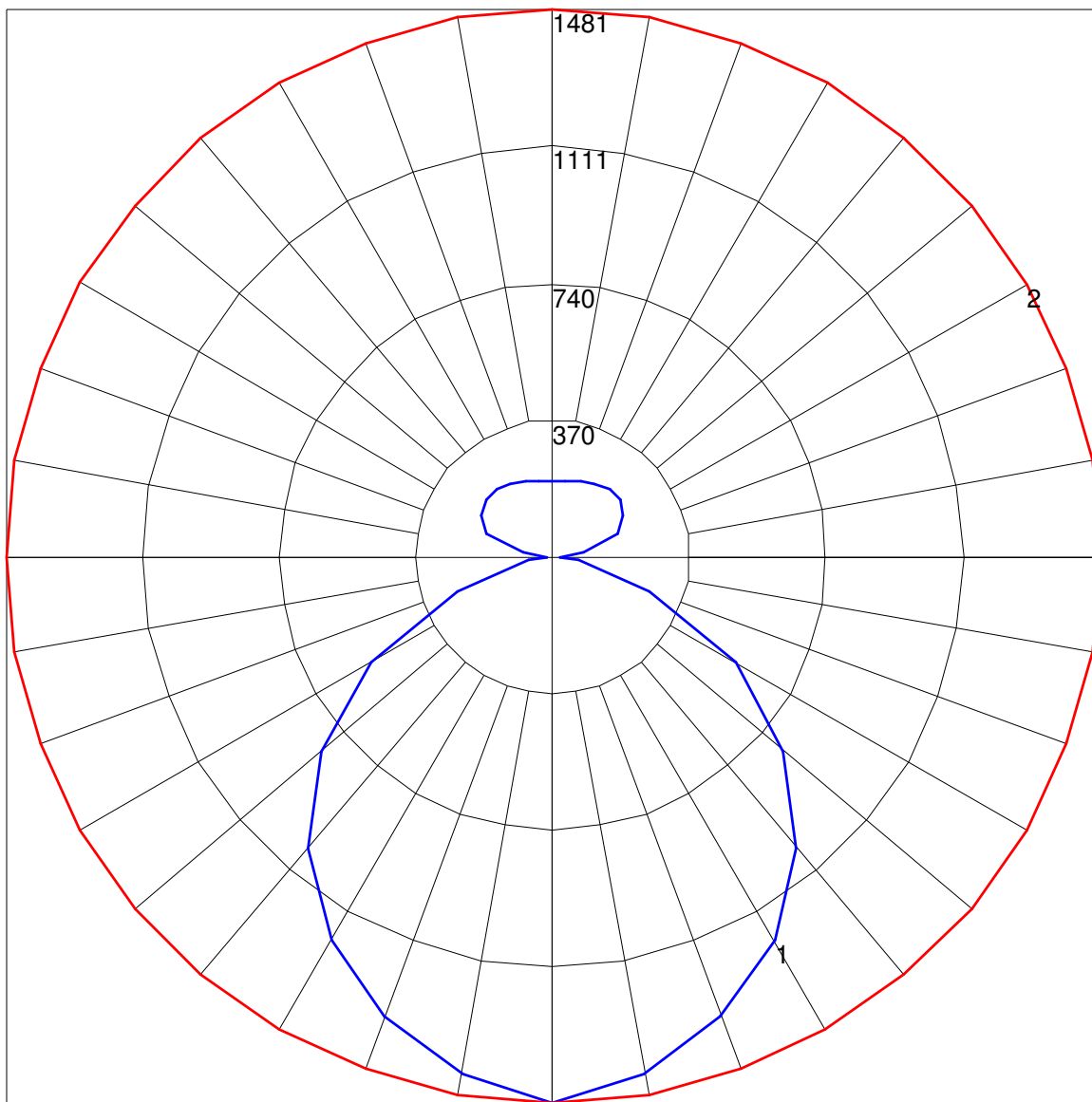
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	81	81	81	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	81	70	62	56	77	67	60	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 = 1480.947 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.)