



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDI-4-LED-6040-PL-SS-35.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB]Dekko

[ISSUEDATE]06-19-2017

[TESTDATE]03/8/17

[MANUFAC]LSI INDUSTRIES, INC

[LUMCAT] LDI-4-LED-6040-PL-SS-35

[\_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER]TEST PROCEDURE: IESNA LM-79-08

[\_SEARCH\_SOURCETYPE] LED

[\_SEARCH\_APPLICATION] Outdoor

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3136
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	38.4
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	1303	1363	1602
55	1067	1297	1641
65	352	1090	2037
75	133	309	1393
85	230	361	459

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**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	395.808	395.808	395.808	395.808	395.808
2.5	404.586	399.000	395.808	392.616	391.020
5.0	404.586	399.000	395.808	392.616	390.222
7.5	402.990	397.404	394.212	389.424	387.030
10.0	399.798	395.010	389.424	386.232	383.040
12.5	396.606	390.222	385.434	382.242	380.646
15.0	391.020	384.636	379.848	379.848	378.252
17.5	385.434	377.454	374.262	376.656	376.656
20.0	378.252	370.272	367.878	372.666	374.262
22.5	370.272	361.494	361.494	368.676	371.868
25.0	362.292	353.514	354.312	364.686	369.474
27.5	352.716	343.938	347.130	359.100	366.282
30.0	342.342	333.564	338.352	353.514	362.292
32.5	330.372	322.392	328.776	346.332	356.706
35.0	318.402	310.422	318.402	338.352	351.918
37.5	304.836	296.856	308.028	329.574	344.736
40.0	289.674	282.492	295.260	319.200	335.958
42.5	274.512	268.128	282.492	308.028	327.180
45.0	256.956	251.370	268.926	296.058	316.008
47.5	239.400	233.814	253.764	282.492	304.038
50.0	219.450	215.460	238.602	268.128	291.270
52.5	196.308	196.308	223.440	252.966	277.704
55.0	170.772	174.762	207.480	238.602	262.542
57.5	140.448	150.822	192.318	224.238	246.582
60.0	104.538	122.892	175.560	209.874	235.410
62.5	67.830	90.972	154.812	199.500	240.996
65.0	41.496	57.456	128.478	197.904	240.198
67.5	26.334	35.910	94.164	182.742	229.026
70.0	18.354	24.738	58.254	154.014	221.046
72.5	13.566	18.354	33.516	107.730	202.692
75.0	9.576	14.364	22.344	59.052	100.548
77.5	7.980	11.970	15.960	27.132	55.062
80.0	7.182	9.576	12.768	17.556	30.324
82.5	6.384	8.778	9.576	12.768	18.354
85.0	5.586	7.980	8.778	9.576	11.172
87.5	4.788	7.182	7.980	8.778	8.778
90.0	3.990	7.980	12.768	10.374	10.374
92.5	15.960	40.698	46.284	29.526	27.930
95.0	29.526	65.436	89.376	88.578	89.376
97.5	47.082	92.568	126.882	117.306	107.730
100.0	67.830	119.700	171.570	173.166	163.590
102.5	91.770	154.812	216.258	239.400	236.208
105.0	118.902	193.116	261.744	302.442	293.664
107.5	145.236	226.632	308.028	348.726	362.292
110.0	169.974	254.562	343.140	383.838	383.838
112.5	192.318	277.704	367.878	412.566	409.374
115.0	215.460	296.058	387.828	434.112	431.718
117.5	237.006	311.220	402.990	452.466	452.466
120.0	258.552	325.584	414.960	463.638	467.628
122.5	279.300	338.352	426.132	470.022	477.204
125.0	300.048	347.928	435.708	476.406	483.588
127.5	317.604	356.706	442.092	482.790	489.174
130.0	334.362	367.878	446.082	487.578	494.760
132.5	349.524	376.656	448.476	489.174	496.356

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**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	363.888	383.040	449.274	488.376	496.356
<b>137.5</b>	375.858	389.424	448.476	486.780	493.962
<b>140.0</b>	387.030	396.606	446.880	483.588	490.770
<b>142.5</b>	399.000	404.586	442.890	479.598	486.780
<b>145.0</b>	408.576	411.768	439.698	472.416	481.194
<b>147.5</b>	417.354	417.354	436.506	466.032	474.012
<b>150.0</b>	422.940	421.344	433.314	458.052	465.234
<b>152.5</b>	426.930	426.132	431.718	450.072	455.658
<b>155.0</b>	430.920	430.122	430.920	442.092	445.284
<b>157.5</b>	435.708	433.314	432.516	437.304	438.900
<b>160.0</b>	438.900	436.506	434.112	434.112	433.314
<b>162.5</b>	441.294	438.900	434.910	432.516	430.122
<b>165.0</b>	443.688	440.496	436.506	432.516	429.324
<b>167.5</b>	444.486	441.294	436.506	431.718	428.526
<b>170.0</b>	443.688	440.496	435.708	430.920	427.728
<b>172.5</b>	440.496	438.102	434.112	429.324	427.728
<b>175.0</b>	437.304	434.910	431.718	428.526	426.132
<b>177.5</b>	435.708	433.314	430.122	427.728	425.334
<b>180.0</b>	429.324	429.324	429.324	429.324	429.324

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	145.59	N.A.	4.60
0-30	311.37	N.A.	9.90
0-40	514.89	N.A.	16.40
0-60	913.56	N.A.	29.10
0-80	1089.05	N.A.	34.70
0-90	1099.78	N.A.	35.10
10-90	1062.16	N.A.	33.90
20-40	369.29	N.A.	11.80
20-50	581.54	N.A.	18.50
40-70	527.35	N.A.	16.80
60-80	175.50	N.A.	5.60
70-80	46.81	N.A.	1.50
80-90	10.73	N.A.	0.30
90-110	329.46	N.A.	10.50
90-120	684.14	N.A.	21.80
90-130	1053.42	N.A.	33.60
90-150	1669.01	N.A.	53.20
90-180	2035.9	N.A.	64.90
110-180	1706.44	N.A.	54.40
0-180	3135.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	37.62
10-20	107.97
20-30	165.78
30-40	203.51
40-50	212.25
50-60	186.42
60-70	128.68
70-80	46.81
80-90	10.73
90-100	79.24
100-110	250.22
110-120	354.68
120-130	369.28
130-140	338.15
140-150	277.44
150-160	201.97
160-170	123.57
170-180	41.35

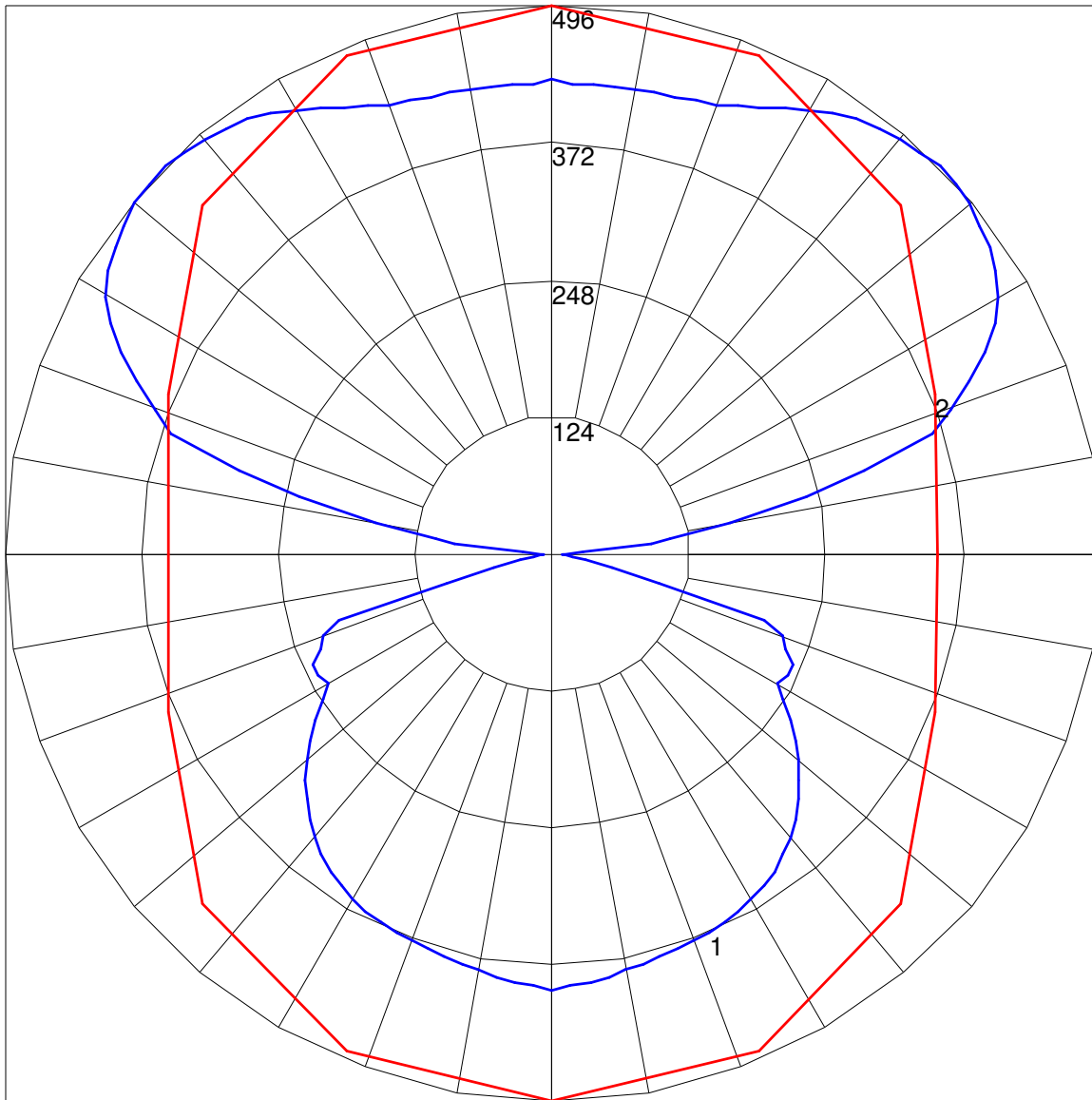
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	42	42	42	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	67	62	58	54	51	45	43	41	33	32	31	25
3	79	69	62	57	71	63	57	52	51	47	43	40	37	34	30	28	26	21
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22	18
5	66	55	47	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16
6	61	49	41	35	55	44	38	33	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	19	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10
10	45	33	26	21	40	30	24	20	25	20	17	20	16	14	15	13	11	9

POLAR GRAPH



Maximum Candela = 496.356 Located At Horizontal Angle = 90, Vertical Angle = 132.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (132.5) (Through Max. Cd.)