



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDI-4-LED-6040-PL-HO-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-HO-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	3800
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	50.1
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	1578	1652	1941
55	1293	1571	1988
65	427	1321	2469
75	161	375	1687
85	278	437	557

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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	479.632	479.632	479.632	479.632	479.632
2.5	490.269	483.500	479.632	475.764	473.830
5.0	490.269	483.500	479.632	475.764	472.863
7.5	488.335	481.566	477.698	471.896	468.995
10.0	484.467	478.665	471.896	468.028	464.160
12.5	480.599	472.863	467.061	463.193	461.259
15.0	473.830	466.094	460.292	460.292	458.358
17.5	467.061	457.391	453.523	456.424	456.424
20.0	458.358	448.688	445.787	451.589	453.523
22.5	448.688	438.051	438.051	446.754	450.622
25.0	439.018	428.381	429.348	441.919	447.721
27.5	427.414	416.777	420.645	435.150	443.853
30.0	414.843	404.206	410.008	428.381	439.018
32.5	400.338	390.668	398.404	419.678	432.249
35.0	385.833	376.163	385.833	410.008	426.447
37.5	369.394	359.724	373.262	399.371	417.744
40.0	351.021	342.318	357.790	386.800	407.107
42.5	332.648	324.912	342.318	373.262	396.470
45.0	311.374	304.605	325.879	358.757	382.932
47.5	290.100	283.331	307.506	342.318	368.427
50.0	265.925	261.090	289.133	324.912	352.955
52.5	237.882	237.882	270.760	306.539	336.516
55.0	206.938	211.773	251.420	289.133	318.143
57.5	170.192	182.763	233.047	271.727	298.803
60.0	126.677	148.918	212.740	254.321	285.265
62.5	82.195	110.238	187.598	241.750	292.034
65.0	50.284	69.624	155.687	239.816	291.067
67.5	31.911	43.515	114.106	221.443	277.529
70.0	22.241	29.977	70.591	186.631	267.859
72.5	16.439	22.241	40.614	130.545	245.618
75.0	11.604	17.406	27.076	71.558	121.842
77.5	9.670	14.505	19.340	32.878	66.723
80.0	8.703	11.604	15.472	21.274	36.746
82.5	7.736	10.637	11.604	15.472	22.241
85.0	6.769	9.670	10.637	11.604	13.538
87.5	5.802	8.703	9.670	10.637	10.637
90.0	4.835	9.670	15.472	12.571	12.571
92.5	19.340	49.317	56.086	35.779	33.845
95.0	35.779	79.294	108.304	107.337	108.304
97.5	57.053	112.172	153.753	142.149	130.545
100.0	82.195	145.050	207.905	209.839	198.235
102.5	111.205	187.598	262.057	290.100	286.232
105.0	144.083	234.014	317.176	366.493	355.856
107.5	175.994	274.628	373.262	422.579	439.018
110.0	205.971	308.473	415.810	465.127	465.127
112.5	233.047	336.516	445.787	499.939	496.071
115.0	261.090	358.757	469.962	526.048	523.147
117.5	287.199	377.130	488.335	548.289	548.289
120.0	313.308	394.536	502.840	561.827	566.662
122.5	338.450	410.008	516.378	569.563	578.266
125.0	363.592	421.612	527.982	577.299	586.002
127.5	384.866	432.249	535.718	585.035	592.771
130.0	405.173	445.787	540.553	590.837	599.540
132.5	423.546	456.424	543.454	592.771	601.474

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CANDELA TABULATION - (Cont.)

135.0	440.952	464.160	544.421	591.804	601.474
137.5	455.457	471.896	543.454	589.870	598.573
140.0	468.995	480.599	541.520	586.002	594.705
142.5	483.500	490.269	536.685	581.167	589.870
145.0	495.104	498.972	532.817	572.464	583.101
147.5	505.741	505.741	528.949	564.728	574.398
150.0	512.510	510.576	525.081	555.058	563.761
152.5	517.345	516.378	523.147	545.388	552.157
155.0	522.180	521.213	522.180	535.718	539.586
157.5	527.982	525.081	524.114	529.916	531.850
160.0	531.850	528.949	526.048	526.048	525.081
162.5	534.751	531.850	527.015	524.114	521.213
165.0	537.652	533.784	528.949	524.114	520.246
167.5	538.619	534.751	528.949	523.147	519.279
170.0	537.652	533.784	527.982	522.180	518.312
172.5	533.784	530.883	526.048	520.246	518.312
175.0	529.916	527.015	523.147	519.279	516.378
177.5	527.982	525.081	521.213	518.312	515.411
180.0	520.246	520.246	520.246	520.246	520.246

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	176.43	N.A.	4.60
0-30	377.32	N.A.	9.90
0-40	623.93	N.A.	16.40
0-60	1107.03	N.A.	29.10
0-80	1319.69	N.A.	34.70
0-90	1332.69	N.A.	35.10
10-90	1287.1	N.A.	33.90
20-40	447.50	N.A.	11.80
20-50	704.70	N.A.	18.50
40-70	639.03	N.A.	16.80
60-80	212.66	N.A.	5.60
70-80	56.73	N.A.	1.50
80-90	13.00	N.A.	0.30
90-110	399.24	N.A.	10.50
90-120	829.03	N.A.	21.80
90-130	1276.51	N.A.	33.60
90-150	2022.47	N.A.	53.20
90-180	2467.06	N.A.	64.90
110-180	2067.83	N.A.	54.40
0-180	3799.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	45.59
10-20	130.84
20-30	200.89
30-40	246.61
40-50	257.20
50-60	225.90
60-70	155.93
70-80	56.73
80-90	13.00
90-100	96.03
100-110	303.21
110-120	429.79
120-130	447.48
130-140	409.76
140-150	336.20
150-160	244.75
160-170	149.74
170-180	50.11

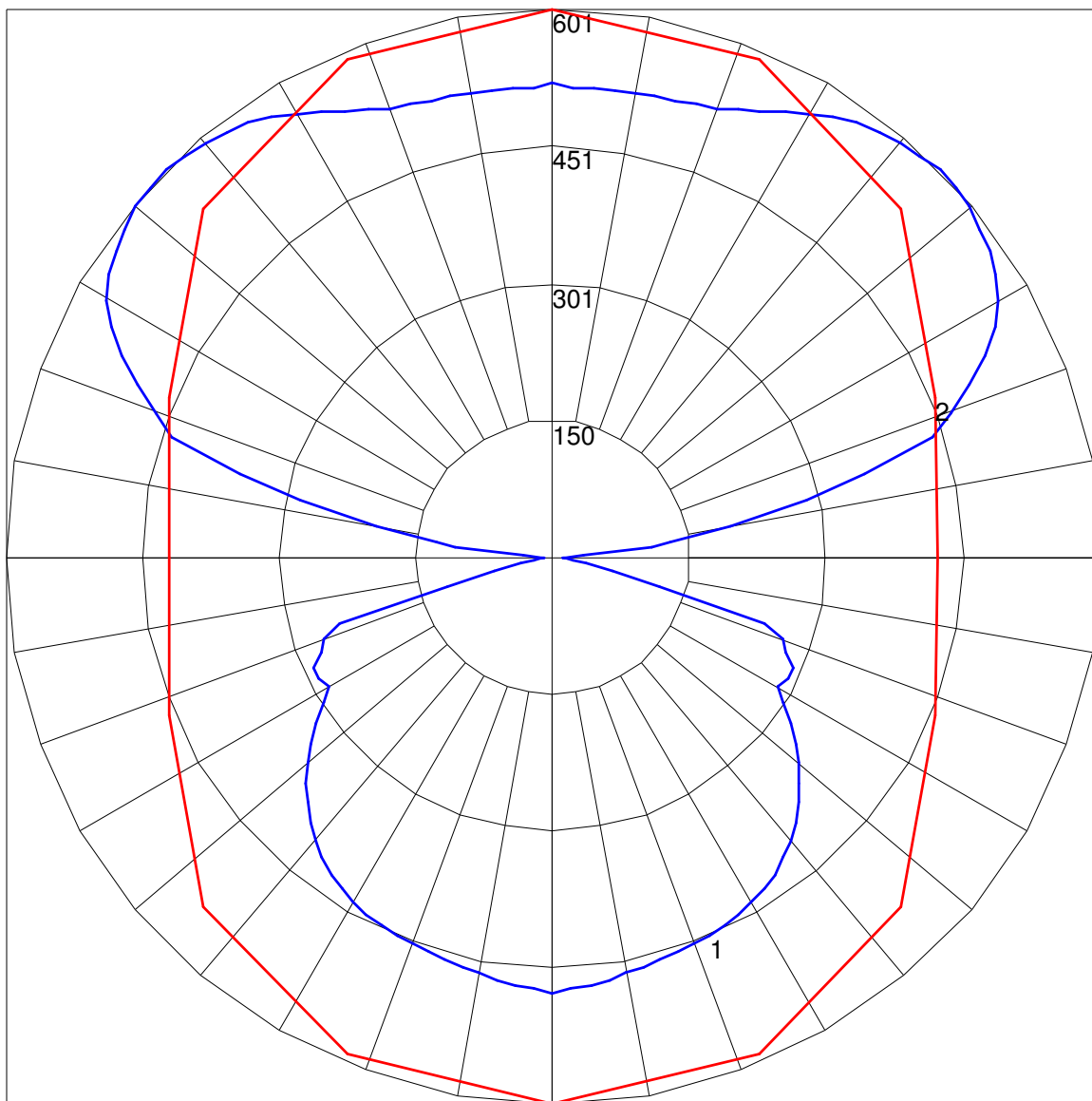
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	91	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 = 601.474 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.)