



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB]DEKKO
[ISSUEDATE]06-19-2017
[TESTDATE]03/08/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT] LDI-4-LED-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
[ABSOLUTE]LUMENS]

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3943
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
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	619	708	882
55	534	698	963
65	183	555	988
75	88	232	674
85	263	459	525

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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	148.428	148.428	148.428	148.428	148.428
2.5	151.620	150.024	148.428	147.630	146.034
5.0	152.418	150.024	149.226	147.630	146.832
7.5	152.418	150.822	149.226	147.630	146.832
10.0	152.418	150.024	149.226	147.630	146.832
12.5	152.418	150.024	149.226	149.226	149.226
15.0	151.620	150.024	149.226	151.620	151.620
17.5	151.620	149.226	150.024	154.014	154.812
20.0	151.620	148.428	150.822	156.408	158.004
22.5	150.822	148.428	151.620	159.600	161.196
25.0	149.226	146.832	152.418	161.196	164.388
27.5	148.428	146.034	153.216	163.590	168.378
30.0	146.832	144.438	153.216	165.186	171.570
32.5	144.438	142.842	153.216	166.782	174.762
35.0	141.246	140.448	152.418	167.580	176.358
37.5	138.054	137.256	150.024	167.580	177.954
40.0	133.266	132.468	147.630	166.782	177.954
42.5	127.680	128.478	144.438	164.388	176.358
45.0	122.094	122.094	139.650	160.398	173.964
47.5	114.912	115.710	134.064	155.610	169.974
50.0	107.730	109.326	127.680	150.024	165.984
52.5	97.356	100.548	119.700	142.842	160.398
55.0	85.386	90.174	111.720	135.660	154.014
57.5	70.224	78.204	102.942	126.882	146.034
60.0	52.668	63.840	91.770	118.104	137.256
62.5	34.314	47.880	79.800	107.730	126.882
65.0	21.546	32.718	65.436	96.558	116.508
67.5	14.364	22.344	49.476	83.790	106.134
70.0	10.374	17.556	33.516	68.628	95.760
72.5	7.980	14.364	22.344	51.072	81.396
75.0	6.384	11.970	16.758	31.122	48.678
77.5	5.586	11.172	13.566	18.354	30.324
80.0	6.384	10.374	11.970	14.364	20.748
82.5	6.384	9.576	11.172	12.768	15.162
85.0	6.384	8.778	11.172	11.970	12.768
87.5	5.586	9.576	11.970	13.566	13.566
90.0	4.788	11.172	16.758	14.364	14.364
92.5	17.556	56.658	57.456	43.092	45.486
95.0	36.708	96.558	127.680	185.934	161.994
97.5	59.850	137.256	199.500	207.480	190.722
100.0	86.982	186.732	288.876	313.614	310.422
102.5	116.508	245.784	371.070	454.860	444.486
105.0	150.822	308.028	452.466	548.226	572.166
107.5	186.732	363.090	527.478	634.410	677.502
110.0	224.238	405.384	582.540	681.492	717.402
112.5	260.946	440.496	627.228	721.392	756.504
115.0	298.452	466.830	658.350	760.494	791.616
117.5	335.160	492.366	680.694	794.010	826.728
120.0	371.868	514.710	699.846	813.162	853.062
122.5	406.980	531.468	716.604	826.728	865.032
125.0	442.092	547.428	729.372	835.506	873.012
127.5	473.214	563.388	738.948	841.890	876.204
130.0	505.932	577.752	745.332	845.082	879.396
132.5	534.660	591.318	748.524	843.486	877.002

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CANDELA TABULATION - (Cont.)

135.0	560.994	604.884	747.726	839.496	871.416
137.5	586.530	618.450	745.332	835.506	864.234
140.0	608.076	631.218	739.746	827.526	855.456
142.5	627.228	643.986	733.362	815.556	843.486
145.0	646.380	657.552	726.180	801.990	828.324
147.5	663.138	670.320	718.200	784.434	809.970
150.0	677.502	681.492	712.614	766.878	790.818
152.5	689.472	691.866	708.624	749.322	769.272
155.0	700.644	700.644	707.826	734.160	749.322
157.5	707.826	707.826	708.624	722.988	732.564
160.0	715.008	714.210	711.816	716.604	721.392
162.5	719.796	718.998	715.008	714.210	715.806
165.0	723.786	722.190	717.402	715.806	715.008
167.5	724.584	722.988	718.200	715.806	713.412
170.0	726.180	723.786	718.998	715.008	713.412
172.5	725.382	723.786	718.998	714.210	712.614
175.0	725.382	722.988	718.200	714.210	711.018
177.5	724.584	721.392	716.604	712.614	710.220
180.0	715.806	715.806	715.806	715.806	715.806

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	57.01	N.A.	1.40
0-30	128.52	N.A.	3.30
0-40	225.31	N.A.	5.70
0-60	436.26	N.A.	11.10
0-80	527.92	N.A.	13.40
0-90	540.30	N.A.	13.70
10-90	526.06	N.A.	13.30
20-40	168.30	N.A.	4.30
20-50	277.99	N.A.	7.00
40-70	276.78	N.A.	7.00
60-80	91.66	N.A.	2.30
70-80	25.82	N.A.	0.70
80-90	12.38	N.A.	0.30
90-110	559.94	N.A.	14.20
90-120	1158.87	N.A.	29.40
90-130	1778.01	N.A.	45.10
90-150	2798.6	N.A.	71.00
90-180	3402.97	N.A.	86.30
110-180	2843.03	N.A.	72.10
0-180	3943.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	14.24
10-20	42.78
20-30	71.51
30-40	96.79
40-50	109.69
50-60	101.26
60-70	65.84
70-80	25.82
80-90	12.38
90-100	128.41
100-110	431.53
110-120	598.93
120-130	619.14
130-140	562.14
140-150	458.44
150-160	332.36
160-170	203.43
170-180	68.59

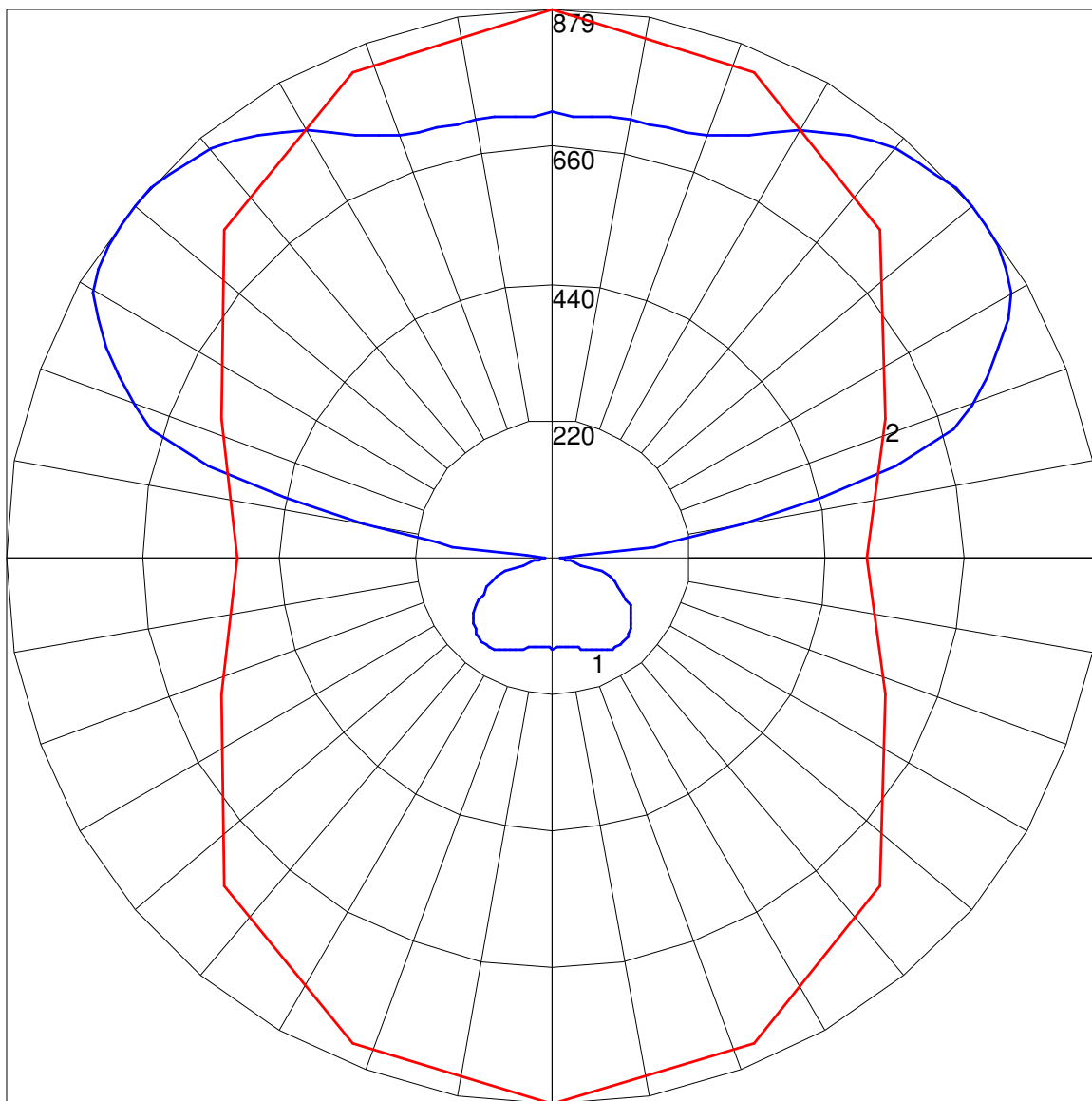
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	99	99	99	99	86	86	86	86	63	63	63	42	42	42	23	23	23	14
1	90	86	82	79	78	75	72	69	55	53	51	37	36	35	20	20	19	11
2	82	75	69	64	71	65	61	57	48	45	42	32	30	29	18	17	16	10
3	74	65	58	53	65	57	52	47	42	39	35	28	26	24	15	14	13	8
4	68	58	50	44	59	51	44	40	37	33	30	25	23	21	14	12	11	7
5	62	51	43	38	54	45	38	34	33	29	26	22	20	18	12	11	10	6
6	57	45	38	32	49	40	34	29	30	25	22	20	17	15	11	10	9	5
7	52	41	33	28	46	36	29	25	27	22	19	18	15	13	10	9	7	4
8	48	37	29	24	42	32	26	22	24	20	17	16	14	12	9	8	7	4
9	45	33	26	21	39	29	23	19	22	18	15	15	12	10	8	7	6	3
10	42	30	23	19	36	27	21	17	20	16	13	14	11	9	8	6	5	3

POLAR GRAPH



Maximum Candela = 879.396 Located At Horizontal Angle = 90, Vertical Angle = 130
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (130) (Through Max. Cd.)