



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-5050-PL-SS-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB]Dekko
[ISSUE DATE]06-19-2017
[TEST DATE]03/08/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT] LDI-4-LED-5050-PL-SS-30
[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	2698
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	38.4
Ballast Factor	1.00
CIE Type	General Diffuse
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	1652	1691	1962
55	1340	1567	1959
65	420	1241	2285
75	161	311	1458
85	191	287	382

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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	521.676	521.676	521.676	521.676	521.676
2.5	534.060	525.546	521.676	517.032	513.936
5.0	533.286	524.772	520.902	516.258	513.162
7.5	530.190	522.450	517.806	512.388	508.518
10.0	526.320	518.580	512.388	506.970	503.874
12.5	520.128	512.388	505.422	501.552	499.230
15.0	513.162	503.874	497.682	496.134	494.586
17.5	504.648	493.812	489.168	490.716	489.942
20.0	494.586	482.976	479.106	483.750	484.524
22.5	483.750	472.140	469.818	476.784	479.880
25.0	471.366	458.982	458.208	468.270	473.688
27.5	457.434	445.824	445.824	459.756	466.722
30.0	442.728	430.344	433.440	449.694	459.756
32.5	426.474	414.090	419.508	438.858	450.468
35.0	409.446	397.062	404.802	426.474	441.180
37.5	389.322	378.486	388.548	412.542	430.344
40.0	369.972	359.136	370.746	397.836	417.186
42.5	348.300	338.238	352.170	381.582	402.480
45.0	325.854	317.340	333.594	363.780	387.000
47.5	302.634	294.894	314.244	344.430	369.972
50.0	277.092	270.900	294.120	325.080	352.170
52.5	246.906	246.132	271.674	304.956	333.594
55.0	214.398	218.268	250.776	285.606	313.470
57.5	175.698	183.438	229.104	265.482	292.572
60.0	128.484	147.834	206.658	246.132	276.318
62.5	82.818	106.812	179.568	230.652	275.544
65.0	49.536	67.338	146.286	222.138	269.352
67.5	32.508	41.022	105.264	200.466	251.550
70.0	22.446	27.864	63.468	164.862	238.392
72.5	15.480	20.124	35.604	114.552	211.302
75.0	11.610	14.706	22.446	62.694	105.264
77.5	8.514	11.610	15.480	27.864	58.050
80.0	6.966	9.288	11.610	17.802	32.508
82.5	5.418	7.740	8.514	11.610	17.802
85.0	4.644	6.192	6.966	7.740	9.288
87.5	3.870	5.418	6.192	6.192	6.192
90.0	3.096	6.192	10.062	6.192	5.418
92.5	17.802	42.570	44.118	23.220	21.672
95.0	27.864	64.242	81.270	72.756	50.310
97.5	38.700	79.722	106.038	87.462	71.982
100.0	51.858	93.654	126.162	120.744	108.360
102.5	67.338	113.004	151.704	163.314	148.608
105.0	85.140	135.450	176.472	199.692	190.404
107.5	102.942	155.574	202.014	228.330	230.652
110.0	118.422	171.828	222.138	242.262	239.940
112.5	133.902	185.760	238.392	258.516	258.516
115.0	149.382	196.596	250.002	275.544	275.544
117.5	163.314	207.432	260.838	289.476	287.154
120.0	175.698	215.172	270.126	297.990	297.216
122.5	188.856	224.460	272.448	301.086	304.182
125.0	204.336	236.844	274.770	301.860	308.052
127.5	218.268	242.262	280.188	303.408	310.374
130.0	226.782	243.810	288.702	304.182	313.470
132.5	233.748	246.906	294.120	305.730	315.018

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CANDELA TABULATION - (Cont.)

135.0	241.488	252.324	294.894	307.278	315.018
137.5	250.002	260.064	294.120	307.278	315.018
140.0	259.290	266.256	291.798	306.504	314.244
142.5	267.804	269.352	287.928	305.730	311.922
145.0	273.222	272.448	284.832	304.182	308.826
147.5	275.544	273.996	280.962	301.086	304.956
150.0	277.092	274.770	278.640	297.990	299.538
152.5	278.640	276.318	277.866	293.346	294.120
155.0	279.414	277.092	278.640	289.476	289.476
157.5	280.962	279.414	280.962	286.380	284.832
160.0	282.510	281.736	283.284	284.058	281.736
162.5	285.606	284.832	284.832	282.510	280.188
165.0	288.702	287.154	284.832	282.510	279.414
167.5	289.476	287.928	284.058	281.736	277.866
170.0	289.476	287.928	283.284	280.962	277.866
172.5	287.154	285.606	282.510	279.414	277.092
175.0	285.606	283.284	280.962	278.640	276.318
177.5	284.058	281.736	280.188	278.640	277.092
180.0	279.414	279.414	279.414	279.414	279.414

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	190.72	N.A.	7.10
0-30	404.85	N.A.	15.00
0-40	663.12	N.A.	24.60
0-60	1153.22	N.A.	42.70
0-80	1349.33	N.A.	50.00
0-90	1358.37	N.A.	50.30
10-90	1308.89	N.A.	48.50
20-40	472.40	N.A.	17.50
20-50	736.40	N.A.	27.30
40-70	636.79	N.A.	23.60
60-80	196.11	N.A.	7.30
70-80	49.42	N.A.	1.80
80-90	9.04	N.A.	0.30
90-110	232.54	N.A.	8.60
90-120	462.63	N.A.	17.10
90-130	701.74	N.A.	26.00
90-150	1101.27	N.A.	40.80
90-180	1339.72	N.A.	49.70
110-180	1107.19	N.A.	41.00
0-180	2698.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	49.49
10-20	141.24
20-30	214.13
30-40	258.27
40-50	264.00
50-60	226.10
60-70	146.69
70-80	49.42
80-90	9.04
90-100	63.92
100-110	168.62
110-120	230.09
120-130	239.11
130-140	219.00
140-150	180.53
150-160	131.04
160-170	80.50
170-180	26.92

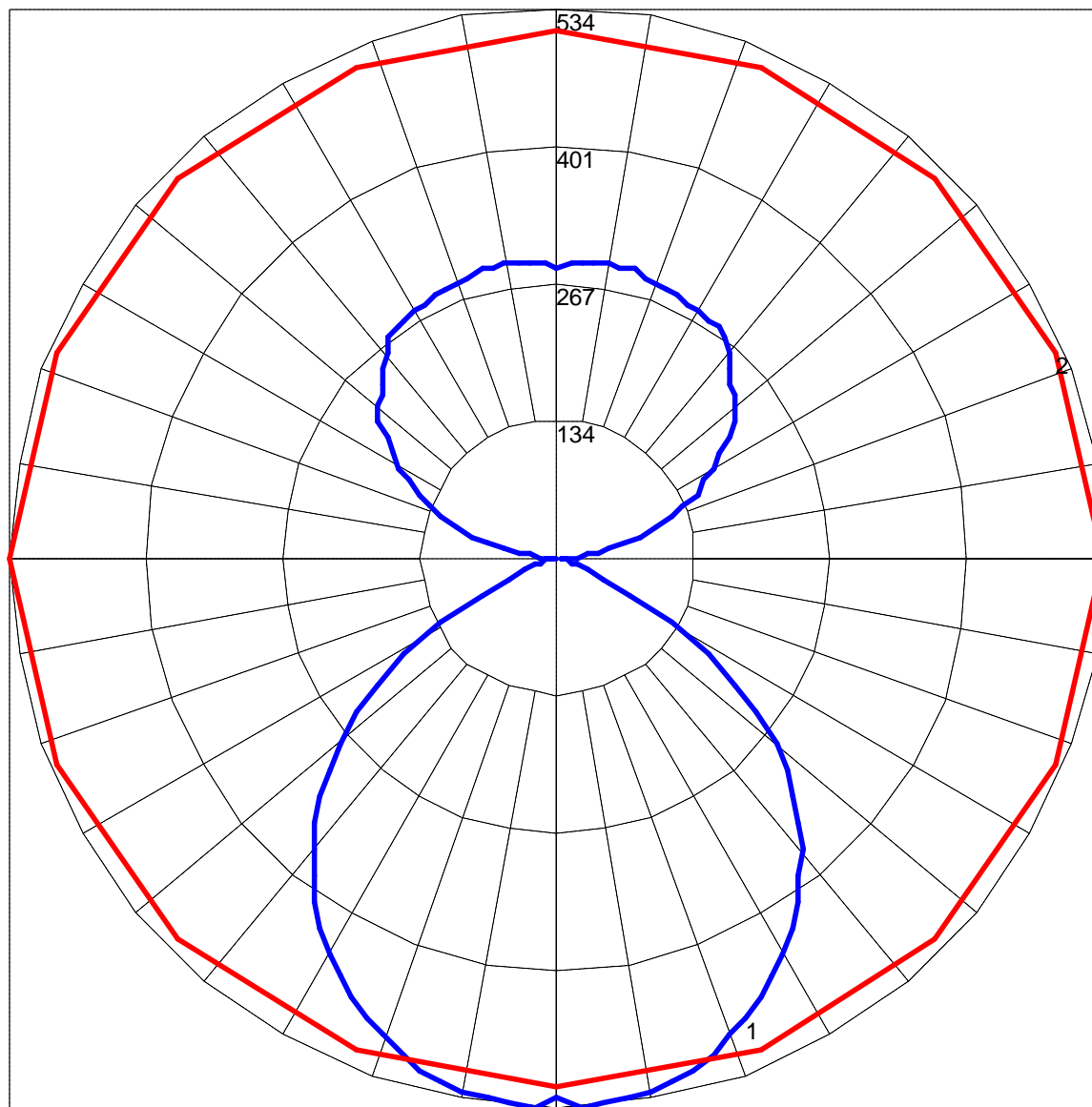
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	107	107	107	99	99	99	99	84	84	84	69	69	69	56	56	56	50
1	98	94	90	87	91	87	84	81	74	72	70	62	60	59	51	50	49	43
2	90	83	77	72	83	77	71	67	65	61	58	55	52	50	45	43	41	37
3	82	73	66	60	75	67	61	56	58	53	49	48	45	42	40	37	35	31
4	75	64	57	51	69	60	53	48	51	46	42	43	39	36	36	33	31	27
5	69	57	49	43	63	53	46	41	46	40	36	39	35	31	32	29	27	23
6	63	51	43	38	58	48	41	36	41	36	31	35	31	27	29	26	23	21
7	59	46	39	33	54	43	36	31	37	32	28	32	27	24	27	23	21	18
8	54	42	34	29	50	39	32	28	34	28	25	29	25	22	24	21	19	16
9	51	38	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17	15
10	47	35	28	23	44	33	26	22	29	23	20	25	20	17	21	18	15	13

POLAR GRAPH



Maximum Candela = 534.06 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

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