



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-5050-PL-SS-35.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-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	2782
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
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	1703	1744	2023
55	1381	1616	2020
65	433	1279	2355
75	166	321	1503
85	197	295	394

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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	537.852	537.852	537.852	537.852	537.852
2.5	550.620	541.842	537.852	533.064	529.872
5.0	549.822	541.044	537.054	532.266	529.074
7.5	546.630	538.650	533.862	528.276	524.286
10.0	542.640	534.660	528.276	522.690	519.498
12.5	536.256	528.276	521.094	517.104	514.710
15.0	529.074	519.498	513.114	511.518	509.922
17.5	520.296	509.124	504.336	505.932	505.134
20.0	509.922	497.952	493.962	498.750	499.548
22.5	498.750	486.780	484.386	491.568	494.760
25.0	485.982	473.214	472.416	482.790	488.376
27.5	471.618	459.648	459.648	474.012	481.194
30.0	456.456	443.688	446.880	463.638	474.012
32.5	439.698	426.930	432.516	452.466	464.436
35.0	422.142	409.374	417.354	439.698	454.860
37.5	401.394	390.222	400.596	425.334	443.688
40.0	381.444	370.272	382.242	410.172	430.122
42.5	359.100	348.726	363.090	393.414	414.960
45.0	335.958	327.180	343.938	375.060	399.000
47.5	312.018	304.038	323.988	355.110	381.444
50.0	285.684	279.300	303.240	335.160	363.090
52.5	254.562	253.764	280.098	314.412	343.938
55.0	221.046	225.036	258.552	294.462	323.190
57.5	181.146	189.126	236.208	273.714	301.644
60.0	132.468	152.418	213.066	253.764	284.886
62.5	85.386	110.124	185.136	237.804	284.088
65.0	51.072	69.426	150.822	229.026	277.704
67.5	33.516	42.294	108.528	206.682	259.350
70.0	23.142	28.728	65.436	169.974	245.784
72.5	15.960	20.748	36.708	118.104	217.854
75.0	11.970	15.162	23.142	64.638	108.528
77.5	8.778	11.970	15.960	28.728	59.850
80.0	7.182	9.576	11.970	18.354	33.516
82.5	5.586	7.980	8.778	11.970	18.354
85.0	4.788	6.384	7.182	7.980	9.576
87.5	3.990	5.586	6.384	6.384	6.384
90.0	3.192	6.384	10.374	6.384	5.586
92.5	18.354	43.890	45.486	23.940	22.344
95.0	28.728	66.234	83.790	75.012	51.870
97.5	39.900	82.194	109.326	90.174	74.214
100.0	53.466	96.558	130.074	124.488	111.720
102.5	69.426	116.508	156.408	168.378	153.216
105.0	87.780	139.650	181.944	205.884	196.308
107.5	106.134	160.398	208.278	235.410	237.804
110.0	122.094	177.156	229.026	249.774	247.380
112.5	138.054	191.520	245.784	266.532	266.532
115.0	154.014	202.692	257.754	284.088	284.088
117.5	168.378	213.864	268.926	298.452	296.058
120.0	181.146	221.844	278.502	307.230	306.432
122.5	194.712	231.420	280.896	310.422	313.614
125.0	210.672	244.188	283.290	311.220	317.604
127.5	225.036	249.774	288.876	312.816	319.998
130.0	233.814	251.370	297.654	313.614	323.190
132.5	240.996	254.562	303.240	315.210	324.786

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CANDELA TABULATION - (Cont.)

135.0	248.976	260.148	304.038	316.806	324.786
137.5	257.754	268.128	303.240	316.806	324.786
140.0	267.330	274.512	300.846	316.008	323.988
142.5	276.108	277.704	296.856	315.210	321.594
145.0	281.694	280.896	293.664	313.614	318.402
147.5	284.088	282.492	289.674	310.422	314.412
150.0	285.684	283.290	287.280	307.230	308.826
152.5	287.280	284.886	286.482	302.442	303.240
155.0	288.078	285.684	287.280	298.452	298.452
157.5	289.674	288.078	289.674	295.260	293.664
160.0	291.270	290.472	292.068	292.866	290.472
162.5	294.462	293.664	293.664	291.270	288.876
165.0	297.654	296.058	293.664	291.270	288.078
167.5	298.452	296.856	292.866	290.472	286.482
170.0	298.452	296.856	292.068	289.674	286.482
172.5	296.058	294.462	291.270	288.078	285.684
175.0	294.462	292.068	289.674	287.280	284.886
177.5	292.866	290.472	288.876	287.280	285.684
180.0	288.078	288.078	288.078	288.078	288.078

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	196.64	N.A.	7.10
0-30	417.41	N.A.	15.00
0-40	683.69	N.A.	24.60
0-60	1188.98	N.A.	42.70
0-80	1391.17	N.A.	50.00
0-90	1400.49	N.A.	50.30
10-90	1349.47	N.A.	48.50
20-40	487.05	N.A.	17.50
20-50	759.23	N.A.	27.30
40-70	656.53	N.A.	23.60
60-80	202.19	N.A.	7.30
70-80	50.96	N.A.	1.80
80-90	9.32	N.A.	0.30
90-110	239.75	N.A.	8.60
90-120	476.97	N.A.	17.10
90-130	723.49	N.A.	26.00
90-150	1135.41	N.A.	40.80
90-180	1381.27	N.A.	49.70
110-180	1141.52	N.A.	41.00
0-180	2781.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	51.02
10-20	145.62
20-30	220.77
30-40	266.28
40-50	272.18
50-60	233.11
60-70	151.23
70-80	50.96
80-90	9.32
90-100	65.90
100-110	173.84
110-120	237.22
120-130	246.52
130-140	225.79
140-150	186.13
150-160	135.10
160-170	82.99
170-180	27.76

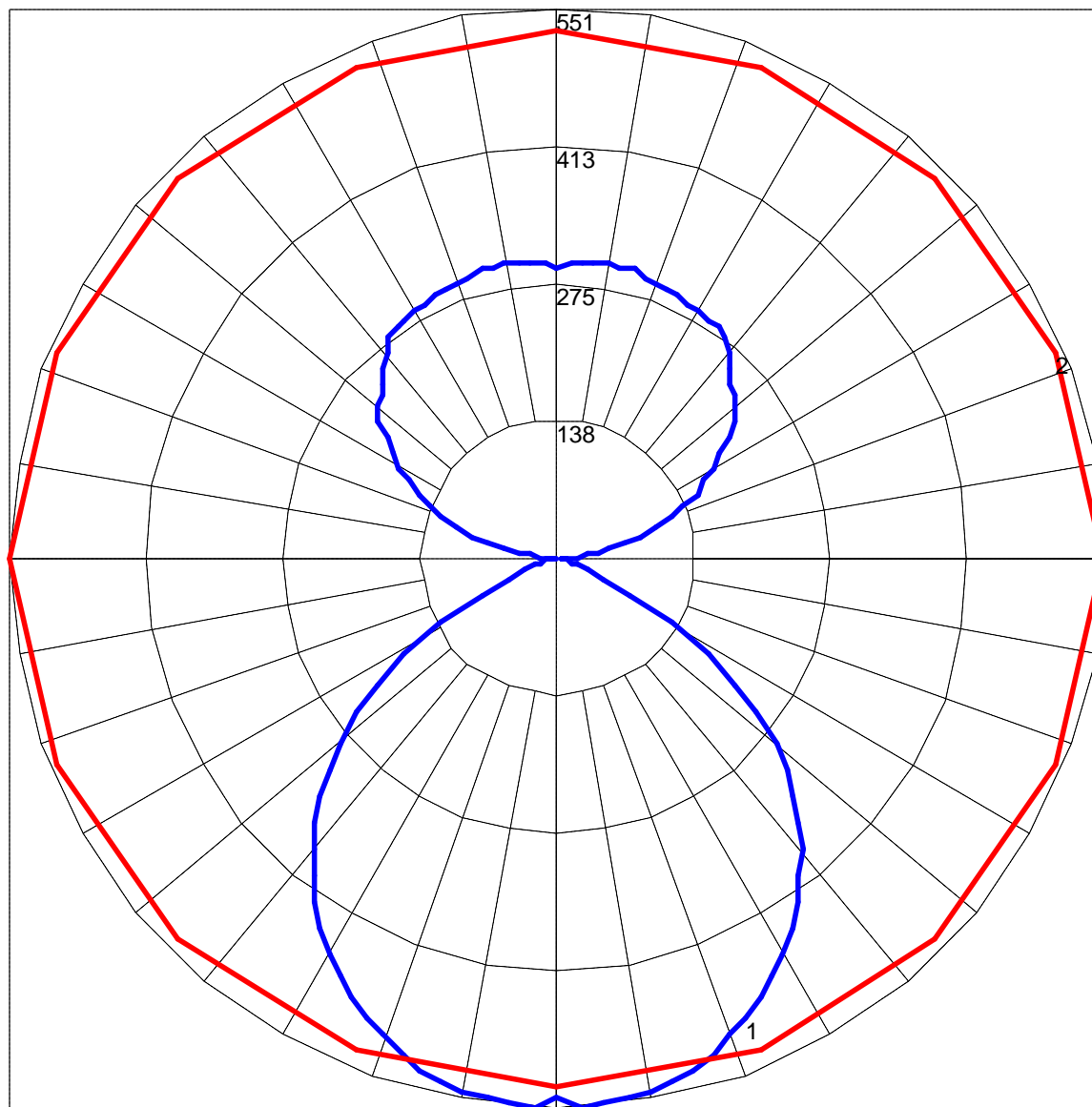
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	49	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 = 550.62 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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