



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-5050-PL-HO-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-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	3371
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	50.1
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	2064	2113	2451
55	1674	1958	2448
65	525	1550	2854
75	201	388	1821
85	239	358	477

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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	651.758	651.758	651.758	651.758	651.758
2.5	667.230	656.593	651.758	645.956	642.088
5.0	666.263	655.626	650.791	644.989	641.121
7.5	662.395	652.725	646.923	640.154	635.319
10.0	657.560	647.890	640.154	633.385	629.517
12.5	649.824	640.154	631.451	626.616	623.715
15.0	641.121	629.517	621.781	619.847	617.913
17.5	630.484	616.946	611.144	613.078	612.111
20.0	617.913	603.408	598.573	604.375	605.342
22.5	604.375	589.870	586.969	595.672	599.540
25.0	588.903	573.431	572.464	585.035	591.804
27.5	571.497	556.992	556.992	574.398	583.101
30.0	553.124	537.652	541.520	561.827	574.398
32.5	532.817	517.345	524.114	548.289	562.794
35.0	511.543	496.071	505.741	532.817	551.190
37.5	486.401	472.863	485.434	515.411	537.652
40.0	462.226	448.688	463.193	497.038	521.213
42.5	435.150	422.579	439.985	476.731	502.840
45.0	407.107	396.470	416.777	454.490	483.500
47.5	378.097	368.427	392.602	430.315	462.226
50.0	346.186	338.450	367.460	406.140	439.985
52.5	308.473	307.506	339.417	380.998	416.777
55.0	267.859	272.694	313.308	356.823	391.635
57.5	219.509	229.179	286.232	331.681	365.526
60.0	160.522	184.697	258.189	307.506	345.219
62.5	103.469	133.446	224.344	288.166	344.252
65.0	61.888	84.129	182.763	277.529	336.516
67.5	40.614	51.251	131.512	250.453	314.275
70.0	28.043	34.812	79.294	205.971	297.836
72.5	19.340	25.142	44.482	143.116	263.991
75.0	14.505	18.373	28.043	78.327	131.512
77.5	10.637	14.505	19.340	34.812	72.525
80.0	8.703	11.604	14.505	22.241	40.614
82.5	6.769	9.670	10.637	14.505	22.241
85.0	5.802	7.736	8.703	9.670	11.604
87.5	4.835	6.769	7.736	7.736	7.736
90.0	3.868	7.736	12.571	7.736	6.769
92.5	22.241	53.185	55.119	29.010	27.076
95.0	34.812	80.261	101.535	90.898	62.855
97.5	48.350	99.601	132.479	109.271	89.931
100.0	64.789	117.007	157.621	150.852	135.380
102.5	84.129	141.182	189.532	204.037	185.664
105.0	106.370	169.225	220.476	249.486	237.882
107.5	128.611	194.367	252.387	285.265	288.166
110.0	147.951	214.674	277.529	302.671	299.770
112.5	167.291	232.080	297.836	322.978	322.978
115.0	186.631	245.618	312.341	344.252	344.252
117.5	204.037	259.156	325.879	361.658	358.757
120.0	219.509	268.826	337.483	372.295	371.328
122.5	235.948	280.430	340.384	376.163	380.031
125.0	255.288	295.902	343.285	377.130	384.866
127.5	272.694	302.671	350.054	379.064	387.767
130.0	283.331	304.605	360.691	380.031	391.635
132.5	292.034	308.473	367.460	381.965	393.569

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CANDELA TABULATION - (Cont.)

135.0	301.704	315.242	368.427	383.899	393.569
137.5	312.341	324.912	367.460	383.899	393.569
140.0	323.945	332.648	364.559	382.932	392.602
142.5	334.582	336.516	359.724	381.965	389.701
145.0	341.351	340.384	355.856	380.031	385.833
147.5	344.252	342.318	351.021	376.163	380.998
150.0	346.186	343.285	348.120	372.295	374.229
152.5	348.120	345.219	347.153	366.493	367.460
155.0	349.087	346.186	348.120	361.658	361.658
157.5	351.021	349.087	351.021	357.790	355.856
160.0	352.955	351.988	353.922	354.889	351.988
162.5	356.823	355.856	355.856	352.955	350.054
165.0	360.691	358.757	355.856	352.955	349.087
167.5	361.658	359.724	354.889	351.988	347.153
170.0	361.658	359.724	353.922	351.021	347.153
172.5	358.757	356.823	352.955	349.087	346.186
175.0	356.823	353.922	351.021	348.120	345.219
177.5	354.889	351.988	350.054	348.120	346.186
180.0	349.087	349.087	349.087	349.087	349.087

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	238.28	N.A.	7.10
0-30	505.81	N.A.	15.00
0-40	828.48	N.A.	24.60
0-60	1440.78	N.A.	42.70
0-80	1685.79	N.A.	50.00
0-90	1697.09	N.A.	50.30
10-90	1635.26	N.A.	48.50
20-40	590.20	N.A.	17.50
20-50	920.02	N.A.	27.30
40-70	795.57	N.A.	23.60
60-80	245.01	N.A.	7.30
70-80	61.75	N.A.	1.80
80-90	11.29	N.A.	0.30
90-110	290.52	N.A.	8.60
90-120	577.99	N.A.	17.10
90-130	876.72	N.A.	26.00
90-150	1375.87	N.A.	40.80
90-180	1673.79	N.A.	49.70
110-180	1383.27	N.A.	41.00
0-180	3370.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	61.82
10-20	176.45
20-30	267.53
30-40	322.67
40-50	329.83
50-60	282.48
60-70	183.26
70-80	61.75
80-90	11.29
90-100	79.86
100-110	210.66
110-120	287.46
120-130	298.73
130-140	273.61
140-150	225.55
150-160	163.71
160-170	100.57
170-180	33.63

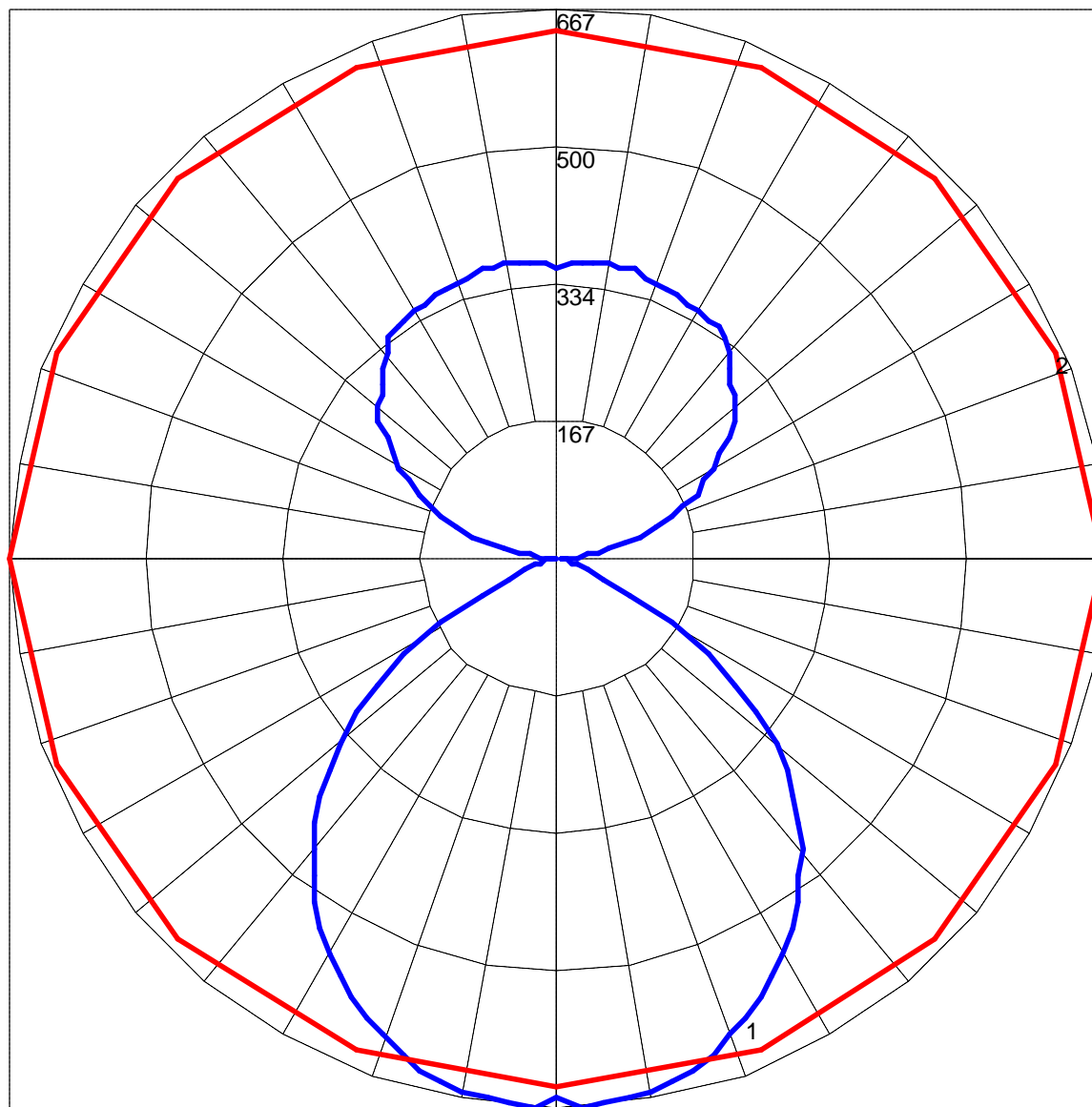
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 667.23 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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