



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-5050-PL-HO-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-HO-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	3270
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
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	2002	2049	2378
55	1624	1899	2374
65	509	1504	2769
75	195	377	1767
85	231	347	463

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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	632.212	632.212	632.212	632.212	632.212
2.5	647.220	636.902	632.212	626.584	622.832
5.0	646.282	635.964	631.274	625.646	621.894
7.5	642.530	633.150	627.522	620.956	616.266
10.0	637.840	628.460	620.956	614.390	610.638
12.5	630.336	620.956	612.514	607.824	605.010
15.0	621.894	610.638	603.134	601.258	599.382
17.5	611.576	598.444	592.816	594.692	593.754
20.0	599.382	585.312	580.622	586.250	587.188
22.5	586.250	572.180	569.366	577.808	581.560
25.0	571.242	556.234	555.296	567.490	574.056
27.5	554.358	540.288	540.288	557.172	565.614
30.0	536.536	521.528	525.280	544.978	557.172
32.5	516.838	501.830	508.396	531.846	545.916
35.0	496.202	481.194	490.574	516.838	534.660
37.5	471.814	458.682	470.876	499.954	521.528
40.0	448.364	435.232	449.302	482.132	505.582
42.5	422.100	409.906	426.790	462.434	487.760
45.0	394.898	384.580	404.278	440.860	469.000
47.5	366.758	357.378	380.828	417.410	448.364
50.0	335.804	328.300	356.440	393.960	426.790
52.5	299.222	298.284	329.238	369.572	404.278
55.0	259.826	264.516	303.912	346.122	379.890
57.5	212.926	222.306	277.648	321.734	354.564
60.0	155.708	179.158	250.446	298.284	334.866
62.5	100.366	129.444	217.616	279.524	333.928
65.0	60.032	81.606	177.282	269.206	326.424
67.5	39.396	49.714	127.568	242.942	304.850
70.0	27.202	33.768	76.916	199.794	288.904
72.5	18.760	24.388	43.148	138.824	256.074
75.0	14.070	17.822	27.202	75.978	127.568
77.5	10.318	14.070	18.760	33.768	70.350
80.0	8.442	11.256	14.070	21.574	39.396
82.5	6.566	9.380	10.318	14.070	21.574
85.0	5.628	7.504	8.442	9.380	11.256
87.5	4.690	6.566	7.504	7.504	7.504
90.0	3.752	7.504	12.194	7.504	6.566
92.5	21.574	51.590	53.466	28.140	26.264
95.0	33.768	77.854	98.490	88.172	60.970
97.5	46.900	96.614	128.506	105.994	87.234
100.0	62.846	113.498	152.894	146.328	131.320
102.5	81.606	136.948	183.848	197.918	180.096
105.0	103.180	164.150	213.864	242.004	230.748
107.5	124.754	188.538	244.818	276.710	279.524
110.0	143.514	208.236	269.206	293.594	290.780
112.5	162.274	225.120	288.904	313.292	313.292
115.0	181.034	238.252	302.974	333.928	333.928
117.5	197.918	251.384	316.106	350.812	347.998
120.0	212.926	260.764	327.362	361.130	360.192
122.5	228.872	272.020	330.176	364.882	368.634
125.0	247.632	287.028	332.990	365.820	373.324
127.5	264.516	293.594	339.556	367.696	376.138
130.0	274.834	295.470	349.874	368.634	379.890
132.5	283.276	299.222	356.440	370.510	381.766

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CANDELA TABULATION - (Cont.)

135.0	292.656	305.788	357.378	372.386	381.766
137.5	302.974	315.168	356.440	372.386	381.766
140.0	314.230	322.672	353.626	371.448	380.828
142.5	324.548	326.424	348.936	370.510	378.014
145.0	331.114	330.176	345.184	368.634	374.262
147.5	333.928	332.052	340.494	364.882	369.572
150.0	335.804	332.990	337.680	361.130	363.006
152.5	337.680	334.866	336.742	355.502	356.440
155.0	338.618	335.804	337.680	350.812	350.812
157.5	340.494	338.618	340.494	347.060	345.184
160.0	342.370	341.432	343.308	344.246	341.432
162.5	346.122	345.184	345.184	342.370	339.556
165.0	349.874	347.998	345.184	342.370	338.618
167.5	350.812	348.936	344.246	341.432	336.742
170.0	350.812	348.936	343.308	340.494	336.742
172.5	347.998	346.122	342.370	338.618	335.804
175.0	346.122	343.308	340.494	337.680	334.866
177.5	344.246	341.432	339.556	337.680	335.804
180.0	338.618	338.618	338.618	338.618	338.618

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	231.13	N.A.	7.10
0-30	490.64	N.A.	15.00
0-40	803.63	N.A.	24.60
0-60	1397.57	N.A.	42.70
0-80	1635.24	N.A.	50.00
0-90	1646.19	N.A.	50.30
10-90	1586.22	N.A.	48.50
20-40	572.50	N.A.	17.50
20-50	892.43	N.A.	27.30
40-70	771.71	N.A.	23.60
60-80	237.66	N.A.	7.30
70-80	59.90	N.A.	1.80
80-90	10.96	N.A.	0.30
90-110	281.81	N.A.	8.60
90-120	560.65	N.A.	17.10
90-130	850.42	N.A.	26.00
90-150	1334.61	N.A.	40.80
90-180	1623.59	N.A.	49.70
110-180	1341.78	N.A.	41.00
0-180	3269.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	59.97
10-20	171.16
20-30	259.50
30-40	312.99
40-50	319.93
50-60	274.01
60-70	177.77
70-80	59.90
80-90	10.96
90-100	77.47
100-110	204.34
110-120	278.84
120-130	289.77
130-140	265.40
140-150	218.79
150-160	158.80
160-170	97.55
170-180	32.63

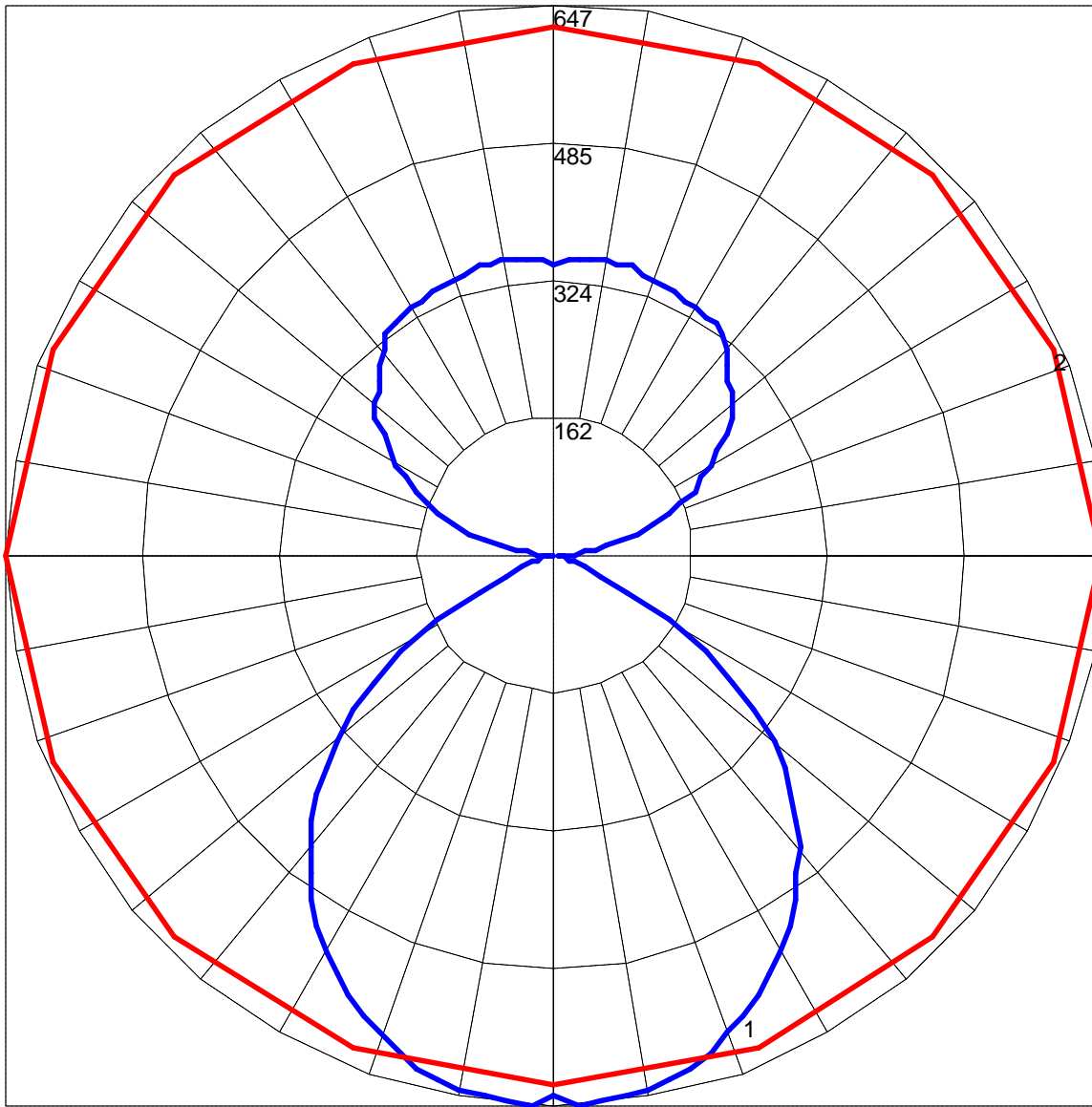
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 647.22 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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