



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-3070-PL-HO-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB]Dekko
[ISSUE DATE]06-19-2017
[TEST DATE]03/8/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT] LDI-4-LED-3070-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	2867
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	57
Total Luminaire Watts	50.1
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.34
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	2425	2454	2820
55	1952	2245	2785
65	605	1719	3135
75	221	403	1910
85	231	309	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	776.664	776.664	776.664	776.664	776.664
2.5	794.486	782.292	776.664	770.098	765.408
5.0	793.548	782.292	775.726	769.160	764.470
7.5	790.734	778.540	771.036	762.594	756.966
10.0	784.168	771.974	761.656	754.152	748.524
12.5	774.788	762.594	750.400	744.772	741.020
15.0	762.594	749.462	739.144	736.330	733.516
17.5	748.524	732.578	725.074	726.012	725.074
20.0	733.516	716.632	710.066	715.694	716.632
22.5	715.694	698.810	694.120	703.500	708.190
25.0	696.934	679.112	675.360	690.368	696.934
27.5	677.236	658.476	657.538	675.360	684.740
30.0	654.724	635.964	637.840	659.414	672.546
32.5	630.336	611.576	615.328	640.654	656.600
35.0	603.134	585.312	591.878	620.956	639.716
37.5	574.994	557.172	566.552	598.444	621.894
40.0	544.978	528.094	540.288	574.994	602.196
42.5	512.148	497.140	512.148	550.606	580.622
45.0	478.380	463.372	484.008	524.342	556.234
47.5	443.674	428.666	453.054	495.264	530.908
50.0	404.278	393.022	422.100	467.124	504.644
52.5	361.130	355.502	390.208	436.170	476.504
55.0	312.354	314.230	359.254	406.154	445.550
57.5	256.074	268.268	327.362	374.262	412.720
60.0	190.414	214.802	291.718	345.184	386.456
62.5	123.816	154.770	251.384	319.858	379.890
65.0	71.288	95.676	202.608	303.912	369.572
67.5	46.900	56.280	143.514	273.896	345.184
70.0	30.954	37.520	86.296	224.182	321.734
72.5	22.512	26.264	46.900	154.770	281.400
75.0	15.946	19.698	29.078	80.668	137.886
77.5	12.194	15.008	19.698	35.644	75.040
80.0	9.380	11.256	14.070	21.574	41.272
82.5	6.566	8.442	10.318	14.070	22.512
85.0	5.628	8.442	7.504	8.442	11.256
87.5	3.752	5.628	6.566	4.690	5.628
90.0	2.814	5.628	7.504	4.690	3.752
92.5	15.008	36.582	40.334	17.822	17.822
95.0	23.450	51.590	65.660	69.412	70.350
97.5	31.892	59.094	78.792	66.598	50.652
100.0	43.148	71.288	90.048	79.730	73.164
102.5	55.342	83.482	100.366	106.932	97.552
105.0	66.598	95.676	113.498	125.692	119.126
107.5	76.916	106.932	129.444	141.638	143.514
110.0	88.172	116.312	141.638	157.584	153.832
112.5	97.552	125.692	153.832	173.530	166.964
115.0	107.870	133.196	163.212	181.034	177.282
117.5	118.188	140.700	167.902	183.848	186.662
120.0	126.630	150.080	171.654	187.600	192.290
122.5	135.072	153.832	178.220	192.290	196.980
125.0	142.576	158.522	184.786	196.980	199.794
127.5	149.142	161.336	189.476	198.856	202.608
130.0	155.708	166.026	192.290	201.670	204.484
132.5	160.398	169.778	193.228	203.546	206.360

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CANDELA TABULATION - (Cont.)

135.0	166.026	173.530	193.228	205.422	206.360
137.5	170.716	176.344	193.228	206.360	205.422
140.0	174.468	179.158	194.166	206.360	204.484
142.5	179.158	181.034	195.104	205.422	204.484
145.0	181.972	181.972	194.166	204.484	202.608
147.5	183.848	184.786	194.166	202.608	200.732
150.0	186.662	188.538	192.290	199.794	197.918
152.5	190.414	190.414	191.352	196.980	195.104
155.0	192.290	191.352	190.414	194.166	191.352
157.5	193.228	191.352	190.414	191.352	188.538
160.0	194.166	192.290	191.352	190.414	187.600
162.5	195.104	193.228	192.290	189.476	186.662
165.0	196.042	194.166	192.290	188.538	185.724
167.5	195.104	193.228	191.352	188.538	185.724
170.0	194.166	191.352	189.476	187.600	185.724
172.5	192.290	189.476	188.538	186.662	185.724
175.0	191.352	188.538	187.600	185.724	184.786
177.5	189.476	187.600	186.662	185.724	183.848
180.0	185.724	185.724	185.724	185.724	185.724

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	283.30	N.A.	9.90
0-30	599.29	N.A.	20.90
0-40	977.33	N.A.	34.10
0-60	1684.26	N.A.	58.80
0-80	1953.71	N.A.	68.20
0-90	1963.82	N.A.	68.50
10-90	1890.14	N.A.	65.90
20-40	694.03	N.A.	24.20
20-50	1076.9	N.A.	37.60
40-70	910.84	N.A.	31.80
60-80	269.45	N.A.	9.40
70-80	65.55	N.A.	2.30
80-90	10.10	N.A.	0.40
90-110	163.35	N.A.	5.70
90-120	315.32	N.A.	11.00
90-130	473.95	N.A.	16.50
90-150	741.75	N.A.	25.90
90-180	902.80	N.A.	31.50
110-180	739.45	N.A.	25.80
0-180	2866.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	73.68
10-20	209.62
20-30	315.99
30-40	378.04
40-50	382.87
50-60	324.06
60-70	203.91
70-80	65.55
80-90	10.10
90-100	51.10
100-110	112.24
110-120	151.97
120-130	158.64
130-140	146.44
140-150	121.36
150-160	88.91
160-170	54.18
170-180	17.96

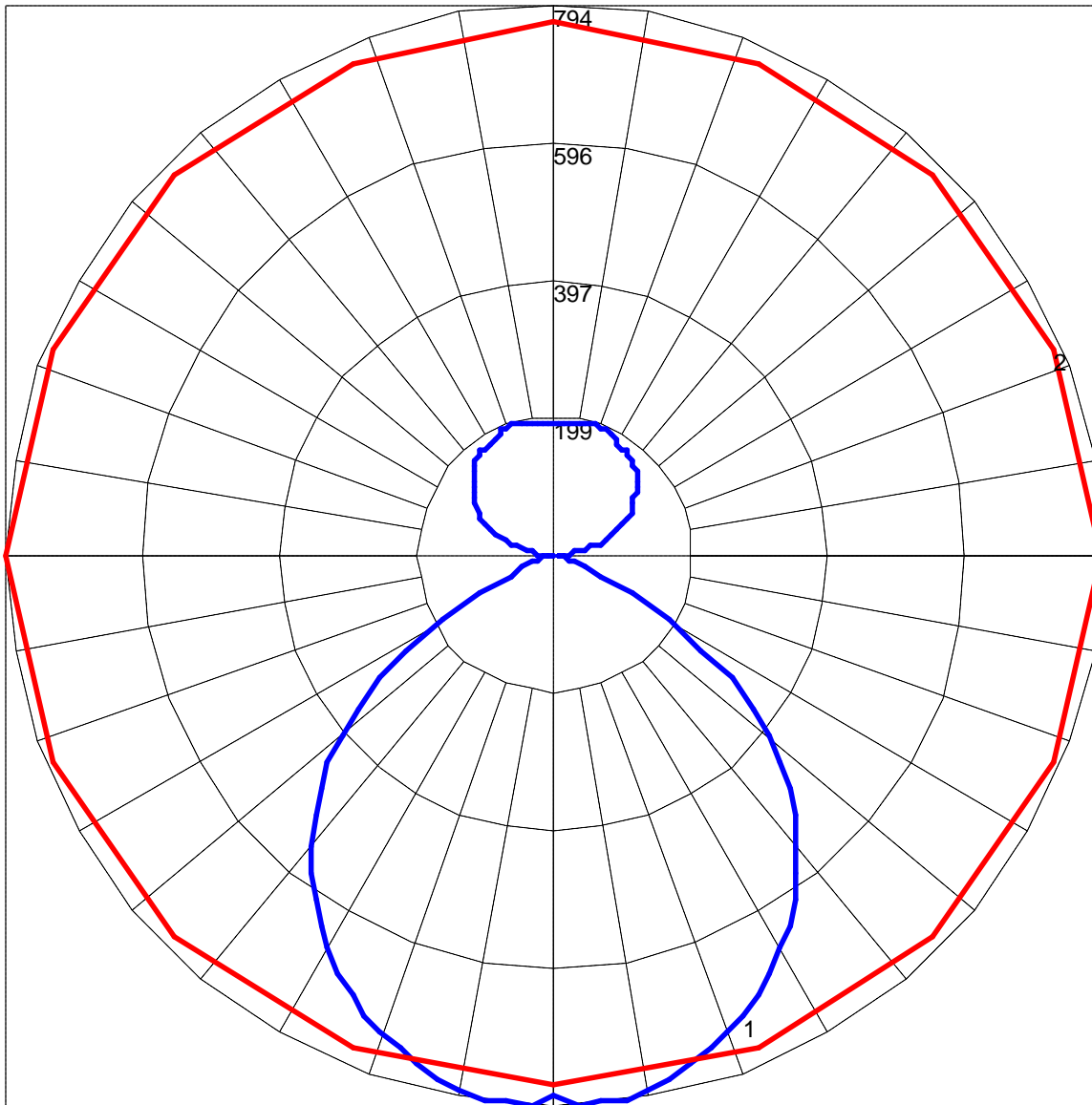
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	112	112	112	105	105	105	105	94	94	94	83	83	83	73	73	73	68
1	103	99	95	91	97	93	90	87	83	81	79	74	72	71	66	65	63	59
2	94	87	81	76	88	82	77	72	74	69	66	66	63	60	59	56	54	50
3	86	76	69	63	81	73	66	61	65	60	56	58	54	51	52	49	46	43
4	79	68	60	54	74	65	57	52	58	52	48	52	48	44	47	43	40	37
5	72	61	52	46	68	58	50	45	52	46	41	47	42	38	42	38	35	32
6	67	55	46	40	63	52	44	39	47	41	36	42	37	34	38	34	31	28
7	62	49	41	36	58	47	40	34	43	37	32	39	34	30	35	31	27	25
8	57	45	37	32	54	43	36	31	39	33	29	35	30	27	32	28	25	22
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	25	22	20
10	50	38	30	25	47	36	29	25	33	27	23	30	25	22	27	23	20	18

POLAR GRAPH



Maximum Candela = 794.486 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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