



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-3070-PL-HO-40.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-40
[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	3056
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
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	2585	2616	3006
55	2081	2394	2969
65	645	1832	3342
75	235	429	2036
85	247	329	494

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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	828	828	828	828	828
2.5	847	834	828	821	816
5.0	846	834	827	820	815
7.5	843	830	822	813	807
10.0	836	823	812	804	798
12.5	826	813	800	794	790
15.0	813	799	788	785	782
17.5	798	781	773	774	773
20.0	782	764	757	763	764
22.5	763	745	740	750	755
25.0	743	724	720	736	743
27.5	722	702	701	720	730
30.0	698	678	680	703	717
32.5	672	652	656	683	700
35.0	643	624	631	662	682
37.5	613	594	604	638	663
40.0	581	563	576	613	642
42.5	546	530	546	587	619
45.0	510	494	516	559	593
47.5	473	457	483	528	566
50.0	431	419	450	498	538
52.5	385	379	416	465	508
55.0	333	335	383	433	475
57.5	273	286	349	399	440
60.0	203	229	311	368	412
62.5	132	165	268	341	405
65.0	76	102	216	324	394
67.5	50	60	153	292	368
70.0	33	40	92	239	343
72.5	24	28	50	165	300
75.0	17	21	31	86	147
77.5	13	16	21	38	80
80.0	10	12	15	23	44
82.5	7	9	11	15	24
85.0	6	9	8	9	12
87.5	4	6	7	5	6
90.0	3	6	8	5	4
92.5	16	39	43	19	19
95.0	25	55	70	74	75
97.5	34	63	84	71	54
100.0	46	76	96	85	78
102.5	59	89	107	114	104
105.0	71	102	121	134	127
107.5	82	114	138	151	153
110.0	94	124	151	168	164
112.5	104	134	164	185	178
115.0	115	142	174	193	189
117.5	126	150	179	196	199
120.0	135	160	183	200	205
122.5	144	164	190	205	210
125.0	152	169	197	210	213
127.5	159	172	202	212	216
130.0	166	177	205	215	218
132.5	171	181	206	217	220

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CANDELA TABULATION - (Cont.)

135.0	177	185	206	219	220
137.5	182	188	206	220	219
140.0	186	191	207	220	218
142.5	191	193	208	219	218
145.0	194	194	207	218	216
147.5	196	197	207	216	214
150.0	199	201	205	213	211
152.5	203	203	204	210	208
155.0	205	204	203	207	204
157.5	206	204	203	204	201
160.0	207	205	204	203	200
162.5	208	206	205	202	199
165.0	209	207	205	201	198
167.5	208	206	204	201	198
170.0	207	204	202	200	198
172.5	205	202	201	199	198
175.0	204	201	200	198	197
177.5	202	200	199	198	196
180.0	198	198	198	198	198

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	302.03	N.A.	9.90
0-30	638.90	N.A.	20.90
0-40	1041.93	N.A.	34.10
0-60	1795.59	N.A.	58.80
0-80	2082.85	N.A.	68.20
0-90	2093.62	N.A.	68.50
10-90	2015.07	N.A.	65.90
20-40	739.90	N.A.	24.20
20-50	1148.08	N.A.	37.60
40-70	971.04	N.A.	31.80
60-80	287.26	N.A.	9.40
70-80	69.88	N.A.	2.30
80-90	10.77	N.A.	0.40
90-110	174.14	N.A.	5.70
90-120	336.16	N.A.	11.00
90-130	505.28	N.A.	16.50
90-150	790.78	N.A.	25.90
90-180	962.47	N.A.	31.50
110-180	788.33	N.A.	25.80
0-180	3056.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	78.55
10-20	223.47
20-30	336.88
30-40	403.03
40-50	408.18
50-60	345.48
60-70	217.38
70-80	69.88
80-90	10.77
90-100	54.48
100-110	119.66
110-120	162.02
120-130	169.12
130-140	156.12
140-150	129.38
150-160	94.79
160-170	57.76
170-180	19.15

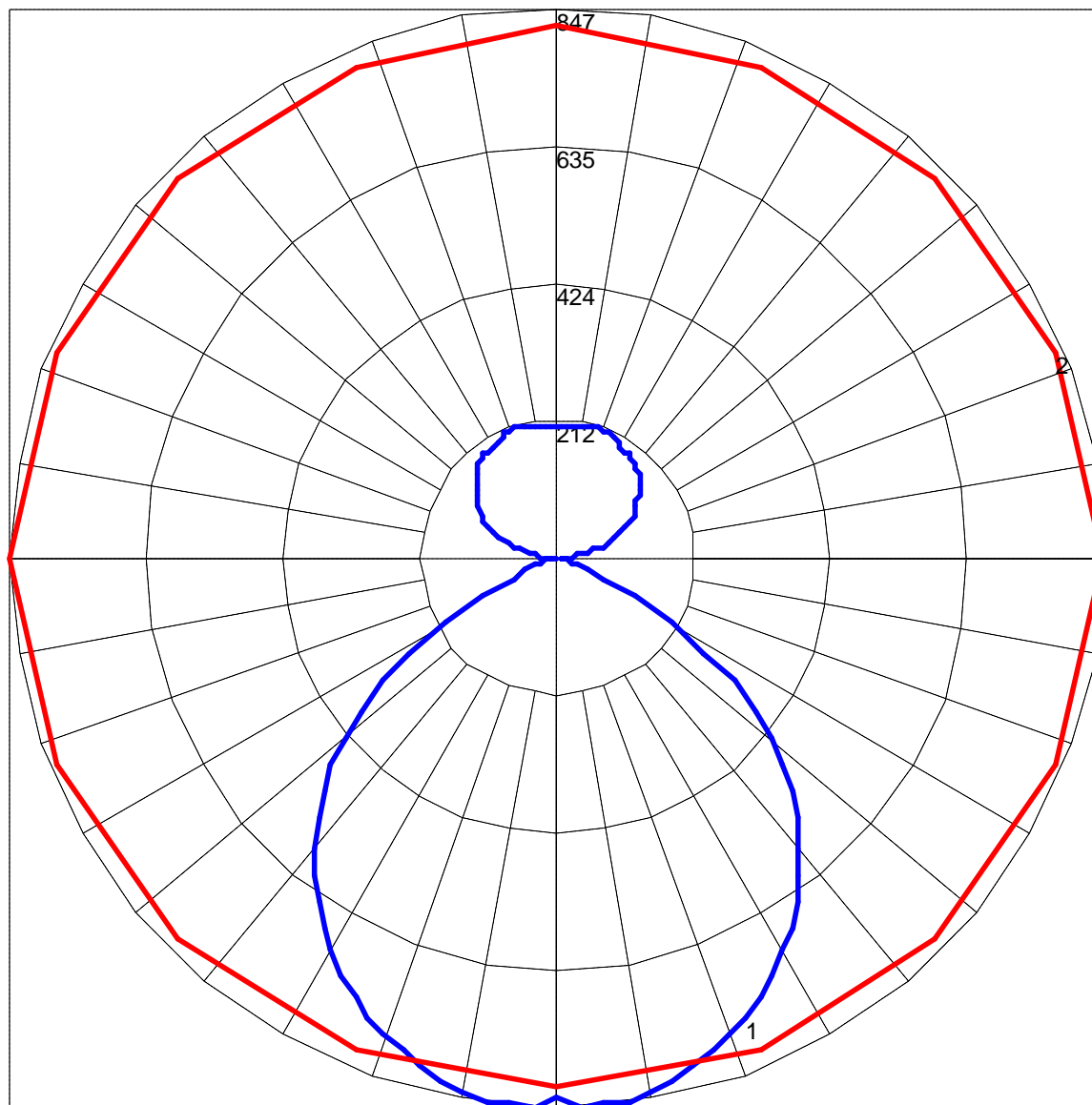
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	69
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	26	47	36	29	25	33	27	23	30	25	22	27	23	20	18

POLAR GRAPH



Maximum Candela = 847 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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