



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-3070-PL-SS-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-SS-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	2365
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	38.4
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	2001	2025	2327
55	1611	1853	2298
65	499	1418	2587
75	182	332	1576
85	191	255	382

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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	640.872	640.872	640.872	640.872	640.872
2.5	655.578	645.516	640.872	635.454	631.584
5.0	654.804	645.516	640.098	634.680	630.810
7.5	652.482	642.420	636.228	629.262	624.618
10.0	647.064	637.002	628.488	622.296	617.652
12.5	639.324	629.262	619.200	614.556	611.460
15.0	629.262	618.426	609.912	607.590	605.268
17.5	617.652	604.494	598.302	599.076	598.302
20.0	605.268	591.336	585.918	590.562	591.336
22.5	590.562	576.630	572.760	580.500	584.370
25.0	575.082	560.376	557.280	569.664	575.082
27.5	558.828	543.348	542.574	557.280	565.020
30.0	540.252	524.772	526.320	544.122	554.958
32.5	520.128	504.648	507.744	528.642	541.800
35.0	497.682	482.976	488.394	512.388	527.868
37.5	474.462	459.756	467.496	493.812	513.162
40.0	449.694	435.762	445.824	474.462	496.908
42.5	422.604	410.220	422.604	454.338	479.106
45.0	394.740	382.356	399.384	432.666	458.982
47.5	366.102	353.718	373.842	408.672	438.084
50.0	333.594	324.306	348.300	385.452	416.412
52.5	297.990	293.346	321.984	359.910	393.192
55.0	257.742	259.290	296.442	335.142	367.650
57.5	211.302	221.364	270.126	308.826	340.560
60.0	157.122	177.246	240.714	284.832	318.888
62.5	102.168	127.710	207.432	263.934	313.470
65.0	58.824	78.948	167.184	250.776	304.956
67.5	38.700	46.440	118.422	226.008	284.832
70.0	25.542	30.960	71.208	184.986	265.482
72.5	18.576	21.672	38.700	127.710	232.200
75.0	13.158	16.254	23.994	66.564	113.778
77.5	10.062	12.384	16.254	29.412	61.920
80.0	7.740	9.288	11.610	17.802	34.056
82.5	5.418	6.966	8.514	11.610	18.576
85.0	4.644	6.966	6.192	6.966	9.288
87.5	3.096	4.644	5.418	3.870	4.644
90.0	2.322	4.644	6.192	3.870	3.096
92.5	12.384	30.186	33.282	14.706	14.706
95.0	19.350	42.570	54.180	57.276	58.050
97.5	26.316	48.762	65.016	54.954	41.796
100.0	35.604	58.824	74.304	65.790	60.372
102.5	45.666	68.886	82.818	88.236	80.496
105.0	54.954	78.948	93.654	103.716	98.298
107.5	63.468	88.236	106.812	116.874	118.422
110.0	72.756	95.976	116.874	130.032	126.936
112.5	80.496	103.716	126.936	143.190	137.772
115.0	89.010	109.908	134.676	149.382	146.286
117.5	97.524	116.100	138.546	151.704	154.026
120.0	104.490	123.840	141.642	154.800	158.670
122.5	111.456	126.936	147.060	158.670	162.540
125.0	117.648	130.806	152.478	162.540	164.862
127.5	123.066	133.128	156.348	164.088	167.184
130.0	128.484	136.998	158.670	166.410	168.732
132.5	132.354	140.094	159.444	167.958	170.280

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CANDELA TABULATION - (Cont.)

135.0	136.998	143.190	159.444	169.506	170.280
137.5	140.868	145.512	159.444	170.280	169.506
140.0	143.964	147.834	160.218	170.280	168.732
142.5	147.834	149.382	160.992	169.506	168.732
145.0	150.156	150.156	160.218	168.732	167.184
147.5	151.704	152.478	160.218	167.184	165.636
150.0	154.026	155.574	158.670	164.862	163.314
152.5	157.122	157.122	157.896	162.540	160.992
155.0	158.670	157.896	157.122	160.218	157.896
157.5	159.444	157.896	157.122	157.896	155.574
160.0	160.218	158.670	157.896	157.122	154.800
162.5	160.992	159.444	158.670	156.348	154.026
165.0	161.766	160.218	158.670	155.574	153.252
167.5	160.992	159.444	157.896	155.574	153.252
170.0	160.218	157.896	156.348	154.800	153.252
172.5	158.670	156.348	155.574	154.026	153.252
175.0	157.896	155.574	154.800	153.252	152.478
177.5	156.348	154.800	154.026	153.252	151.704
180.0	153.252	153.252	153.252	153.252	153.252

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	233.77	N.A.	9.90
0-30	494.51	N.A.	20.90
0-40	806.45	N.A.	34.10
0-60	1389.78	N.A.	58.80
0-80	1612.13	N.A.	68.20
0-90	1620.46	N.A.	68.50
10-90	1559.66	N.A.	65.90
20-40	572.68	N.A.	24.20
20-50	888.62	N.A.	37.60
40-70	751.59	N.A.	31.80
60-80	222.34	N.A.	9.40
70-80	54.09	N.A.	2.30
80-90	8.34	N.A.	0.40
90-110	134.79	N.A.	5.70
90-120	260.19	N.A.	11.00
90-130	391.09	N.A.	16.50
90-150	612.06	N.A.	25.90
90-180	744.95	N.A.	31.50
110-180	610.17	N.A.	25.80
0-180	2365.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	60.80
10-20	172.97
20-30	260.74
30-40	311.94
40-50	315.93
50-60	267.40
60-70	168.26
70-80	54.09
80-90	8.34
90-100	42.17
100-110	92.62
110-120	125.40
120-130	130.90
130-140	120.83
140-150	100.14
150-160	73.37
160-170	44.71
170-180	14.82

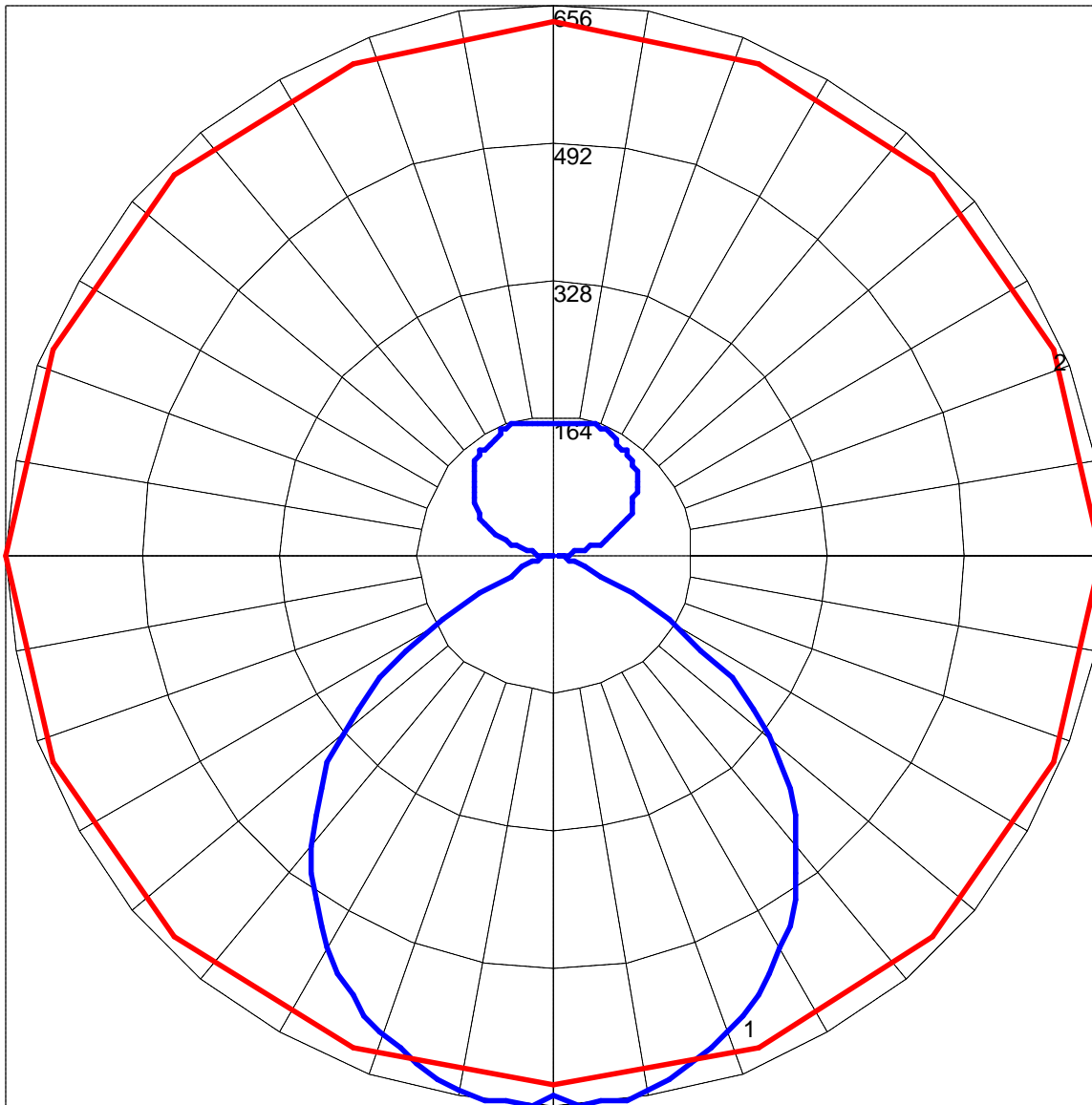
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	92	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	43	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 = 655.578 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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