



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-3070-PB-SS-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LDI LED 4 PB SS SW S UE 30 70
 [TESTLAB] Dekko
 [TESTDATE] 03-20-2017
 [ISSUE DATE] 06-19-2017
 [MANUFACTURER] LSI INDUSTRIES, INC
 [_SEARCH_SOURCETYPE] LED
 [_SEARCH_APPLICATION] Outdoor
 [OTHER] TEST PROCEDURE: IESNA LM-79-08
 [_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
 [LUMCAT] LDI-4-LED-3070-PB-SS-30

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4209
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	38
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.04
Spacing Criterion (Diagonal)	1.20
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	4499	3431	3123
55	4273	2855	2423
65	3815	2244	1891
75	2801	1853	1635
85	2058	2589	1766

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CANDELA TABULATION

	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
0	1413.740	1413.740	1413.740	1413.740	1413.740	1413.740	1413.740	1413.740	1413.740	1413.740
10	1350.086	1344.451	1335.952	1329.925	1324.502	1318.617	1315.952	1315.409	1315.717	1313.341
20	1255.290	1246.029	1225.833	1204.083	1183.727	1168.529	1158.690	1155.253	1157.234	1157.816
30	1138.832	1122.542	1086.257	1042.805	1006.606	979.623	962.643	954.953	956.872	959.837
40	983.395	961.362	910.746	856.860	804.572	767.900	743.253	732.614	733.321	737.778
50	791.646	765.370	705.976	645.623	588.616	545.760	515.821	494.123	491.979	494.395
60	575.721	549.126	489.687	429.398	371.695	321.496	292.684	281.677	280.290	280.949
70	323.939	307.703	269.540	225.351	188.995	175.842	170.246	167.937	165.518	164.845
80	80.483	82.054	82.130	82.863	87.390	82.977	79.834	76.522	73.222	71.223
90	19.594	23.003	28.808	42.269	45.256	36.148	28.819	21.337	16.162	14.671
100	81.320	81.471	94.899	100.786	106.552	109.805	94.497	85.031	64.166	47.167
110	189.423	197.449	191.417	179.195	177.733	162.679	149.605	128.935	106.864	97.682
120	236.163	263.778	237.868	239.643	221.573	200.374	183.868	165.849	150.180	144.294
130	256.683	285.928	271.662	250.922	229.432	242.996	222.062	197.477	184.051	181.780
140	260.665	274.063	293.342	267.565	254.492	233.517	217.756	213.497	215.144	216.379
150	254.919	258.361	275.386	283.857	269.134	253.307	246.372	241.980	238.955	237.633
160	244.160	244.283	250.896	261.494	269.241	271.828	269.625	266.452	264.865	265.832
170	242.661	241.757	242.059	245.349	249.421	252.698	255.467	257.088	257.722	257.765
180	244.872	243.944	243.566	243.095	242.890	242.381	242.052	241.755	241.270	241.113

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	487.26	N.A.	11.60
0-30	998.15	N.A.	23.70
0-40	1575.15	N.A.	37.40
0-60	2565.1	N.A.	60.90
0-80	3015.74	N.A.	71.60
0-90	3075.25	N.A.	73.10
10-90	2944.5	N.A.	70.00
20-40	1087.88	N.A.	25.80
20-50	1637.2	N.A.	38.90
40-70	1285.53	N.A.	30.50
60-80	450.64	N.A.	10.70
70-80	155.06	N.A.	3.70
80-90	59.51	N.A.	1.40
90-110	195.86	N.A.	4.70
90-120	377.33	N.A.	9.00
90-130	574.56	N.A.	13.70
90-150	917.87	N.A.	21.80
90-180	1133.94	N.A.	26.90
110-180	938.08	N.A.	22.30
0-180	4209.2	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	130.75
10-20	356.51
20-30	510.89
30-40	577.00
40-50	549.32
50-60	440.64
60-70	295.57
70-80	155.06
80-90	59.51
90-100	64.27
100-110	131.59
110-120	181.47
120-130	197.23
130-140	185.51
140-150	157.80
150-160	120.02
160-170	72.53
170-180	23.52

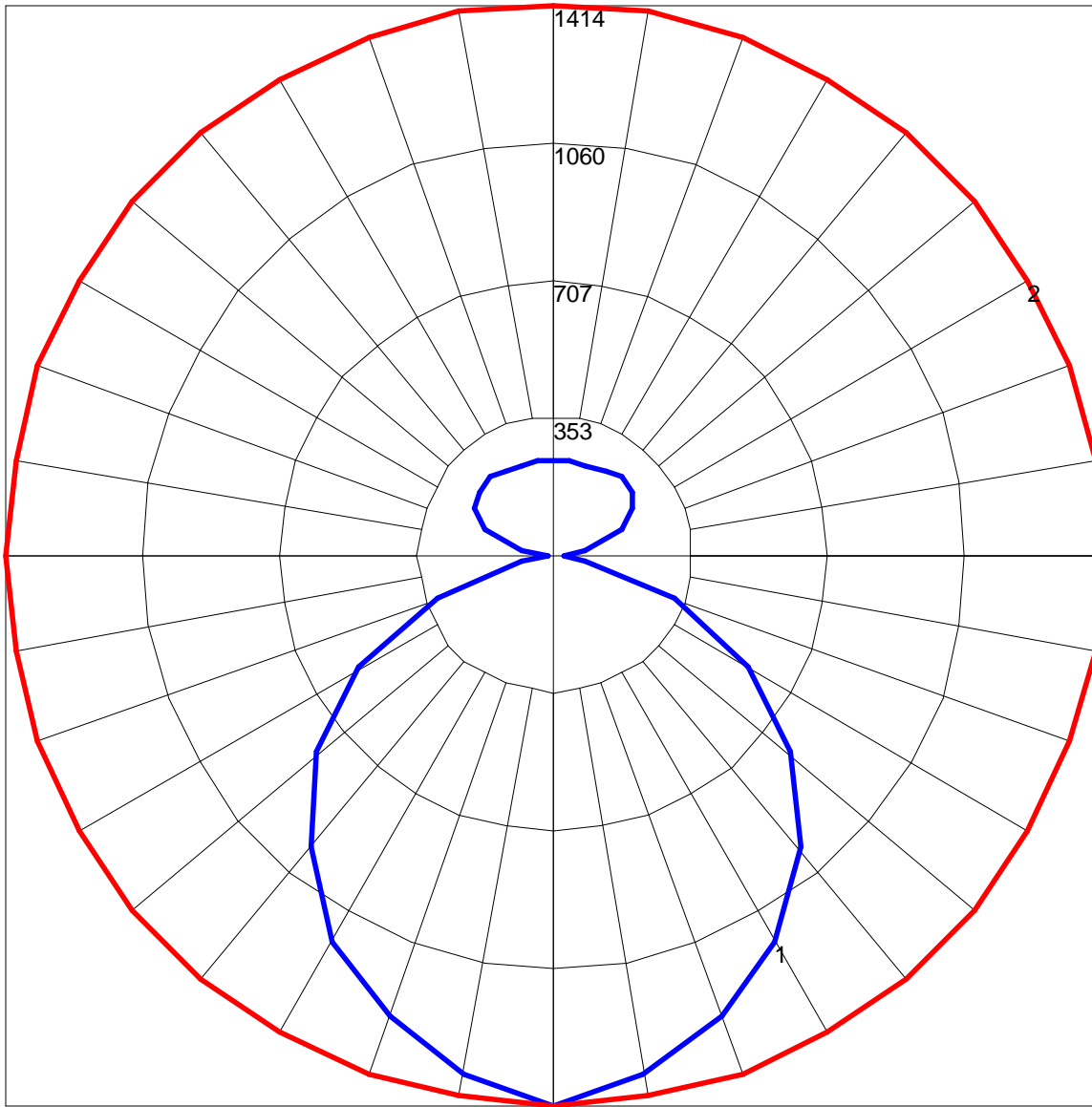
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	113	113	113	107	107	107	107	96	96	96	86	86	86	77	77	77	73
1	103	99	95	92	98	94	91	88	85	82	80	77	75	73	69	67	66	62
2	94	87	81	76	89	83	77	73	75	71	67	68	65	62	61	59	56	53
3	87	77	70	64	82	73	67	61	67	61	57	60	56	53	55	51	49	45
4	80	69	61	54	75	65	58	53	60	54	49	54	49	46	49	45	42	39
5	73	61	53	47	69	59	51	46	54	48	43	49	44	40	45	40	37	34
6	68	55	47	41	64	53	46	40	49	42	38	45	39	35	41	36	33	31
7	63	50	42	37	60	48	41	36	44	38	34	41	35	31	37	33	30	27
8	59	46	38	33	56	44	37	32	41	34	30	37	32	28	34	30	27	24
9	55	42	35	29	52	41	34	29	37	31	27	35	29	26	32	27	24	22
10	51	39	32	27	49	37	31	26	35	29	25	32	27	23	30	25	22	20

POLAR GRAPH



Maximum Candela = 1413.74 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)