



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDI-4-LED-3070-FB-SS-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LDI LED 4 FB SS WW S UE 30 70

[TESTLAB] Dekko

[TESTDATE] 03-17-2017

[ISSUEDATE] 06-19-2017

[MANUFAC] 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-FB-SS-35

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4338
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
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 m
Luminous Width (90-270)	0.75 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	431	329	299
55	409	274	232
65	366	215	181
75	268	178	157
85	197	248	169

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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	1457.058	1457.058	1457.058	1457.058	1457.058	1457.058	1457.058	1457.058	1457.058	1457.058
10	1391.453	1385.646	1376.886	1370.675	1365.085	1359.020	1356.273	1355.714	1356.032	1353.583
20	1293.753	1284.209	1263.394	1240.977	1219.997	1204.334	1194.194	1190.650	1192.693	1193.292
30	1173.727	1156.937	1119.541	1074.757	1037.449	1009.639	992.139	984.213	986.191	989.248
40	1013.527	990.819	938.652	883.115	829.225	791.429	766.027	755.062	755.790	760.384
50	815.903	788.822	727.608	665.405	606.652	562.483	531.626	509.263	507.053	509.543
60	593.362	565.951	504.691	442.556	383.084	331.347	301.652	290.308	288.878	289.558
70	333.864	317.131	277.799	232.256	194.786	181.230	175.462	173.082	170.589	169.896
80	82.949	84.568	84.646	85.402	90.068	85.520	82.280	78.866	75.466	73.405
90	20.195	23.707	29.690	43.564	46.642	37.255	29.702	21.991	16.657	15.120
100	83.812	83.968	97.807	103.874	109.817	113.170	97.393	87.637	66.132	48.612
110	195.227	203.499	197.282	184.686	183.179	167.663	154.189	132.886	110.139	100.676
120	243.399	271.860	245.157	246.985	228.363	206.513	189.502	170.931	154.781	148.715
130	264.548	294.689	279.986	258.611	236.462	250.441	228.866	203.527	189.690	187.350
140	268.652	282.460	302.330	275.763	262.289	240.672	224.429	220.038	221.736	223.009
150	262.730	266.277	283.824	292.555	277.381	261.068	253.921	249.394	246.277	244.914
160	251.641	251.768	258.583	269.507	277.490	280.157	277.886	274.616	272.981	273.978
170	250.096	249.165	249.476	252.867	257.063	260.441	263.295	264.965	265.619	265.663
180	252.375	251.419	251.029	250.543	250.332	249.808	249.469	249.162	248.663	248.501

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	502.19	N.A.	11.60
0-30	1028.73	N.A.	23.70
0-40	1623.41	N.A.	37.40
0-60	2643.7	N.A.	60.90
0-80	3108.15	N.A.	71.60
0-90	3169.48	N.A.	73.10
10-90	3034.72	N.A.	70.00
20-40	1121.22	N.A.	25.80
20-50	1687.37	N.A.	38.90
40-70	1324.92	N.A.	30.50
60-80	464.45	N.A.	10.70
70-80	159.82	N.A.	3.70
80-90	61.33	N.A.	1.40
90-110	201.86	N.A.	4.70
90-120	388.89	N.A.	9.00
90-130	592.17	N.A.	13.70
90-150	946.00	N.A.	21.80
90-180	1168.69	N.A.	26.90
110-180	966.83	N.A.	22.30
0-180	4338.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	134.76
10-20	367.43
20-30	526.54
30-40	594.68
40-50	566.15
50-60	454.14
60-70	304.63
70-80	159.82
80-90	61.33
90-100	66.24
100-110	135.62
110-120	187.03
120-130	203.28
130-140	191.19
140-150	162.64
150-160	123.70
160-170	74.75
170-180	24.24

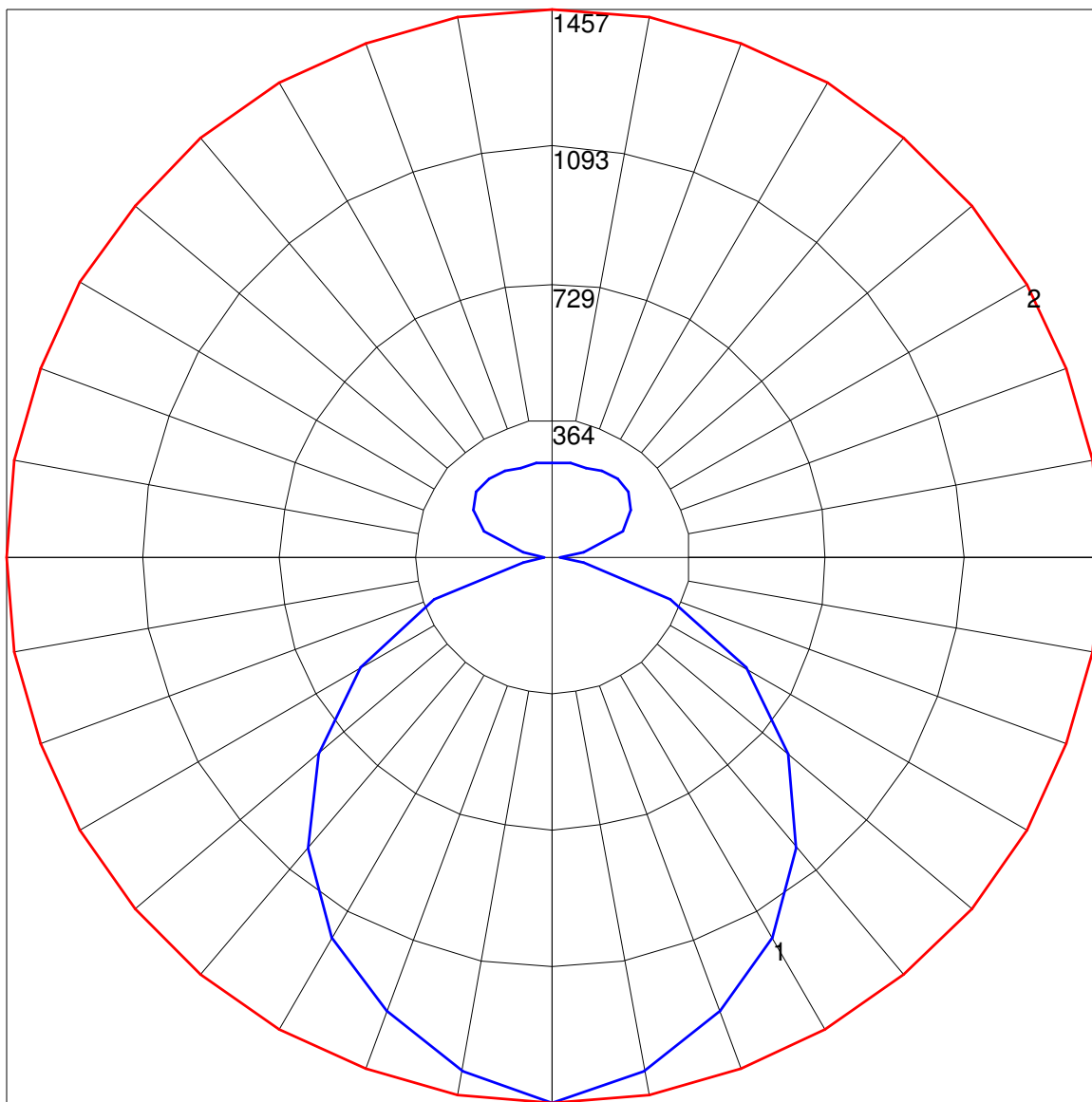
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1457.058 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.)