



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LDI LED 4 PB VHO 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-VHO-30

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5692
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	71.4
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	6085	4639	4224
55	5778	3862	3276
65	5160	3034	2557
75	3787	2506	2211
85	2783	3501	2389

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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	1911.896	1911.896	1911.896	1911.896	1911.896	1911.896	1911.896	1911.896	1911.896	1911.896
10	1825.812	1818.193	1806.698	1798.547	1791.213	1783.255	1779.651	1778.917	1779.333	1776.120
20	1697.614	1685.090	1657.778	1628.363	1600.834	1580.281	1566.976	1562.326	1565.006	1565.793
30	1540.120	1518.090	1469.019	1410.255	1361.301	1324.810	1301.847	1291.447	1294.043	1298.053
40	1329.912	1300.115	1231.664	1158.789	1088.077	1038.484	1005.152	990.764	991.719	997.747
50	1070.596	1035.062	954.740	873.119	796.026	738.069	697.580	668.235	665.336	668.603
60	778.587	742.620	662.237	580.705	502.668	434.781	395.817	380.931	379.055	379.946
70	438.084	416.128	364.517	304.757	255.591	237.803	230.235	227.112	223.841	222.931
80	108.842	110.967	111.070	112.061	118.183	112.216	107.965	103.485	99.024	96.319
90	26.499	31.108	38.958	57.163	61.202	48.885	38.974	28.855	21.857	19.840
100	109.974	110.179	128.338	136.299	144.097	148.497	127.795	114.994	86.775	63.787
110	256.169	267.023	258.866	242.337	240.360	220.001	202.321	174.367	144.520	132.103
120	319.379	356.725	321.686	324.085	299.649	270.979	248.658	224.289	203.098	195.138
130	347.130	386.680	367.387	339.339	310.276	328.619	300.309	267.061	248.904	245.833
140	352.515	370.634	396.706	361.846	344.166	315.801	294.487	288.726	290.953	292.623
150	344.745	349.399	372.423	383.879	363.969	342.564	333.185	327.245	323.156	321.367
160	330.194	330.360	339.303	353.636	364.112	367.612	364.632	360.341	358.195	359.503
170	328.167	326.944	327.353	331.802	337.309	341.741	345.486	347.677	348.535	348.593
180	331.157	329.902	329.390	328.753	328.477	327.788	327.344	326.942	326.286	326.073

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	658.96	N.A.	11.60
0-30	1349.87	N.A.	23.70
0-40	2130.18	N.A.	37.40
0-60	3468.96	N.A.	60.90
0-80	4078.39	N.A.	71.60
0-90	4158.87	N.A.	73.10
10-90	3982.05	N.A.	70.00
20-40	1471.22	N.A.	25.80
20-50	2214.1	N.A.	38.90
40-70	1738.51	N.A.	30.50
60-80	609.43	N.A.	10.70
70-80	209.70	N.A.	3.70
80-90	80.48	N.A.	1.40
90-110	264.87	N.A.	4.70
90-120	510.29	N.A.	9.00
90-130	777.02	N.A.	13.70
90-150	1241.3	N.A.	21.80
90-180	1533.51	N.A.	26.90
110-180	1268.63	N.A.	22.30
0-180	5692.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	176.83
10-20	482.13
20-30	690.91
30-40	780.31
40-50	742.88
50-60	595.91
60-70	399.73
70-80	209.70
80-90	80.48
90-100	86.92
100-110	177.95
110-120	245.42
120-130	266.73
130-140	250.87
140-150	213.40
150-160	162.31
160-170	98.08
170-180	31.81

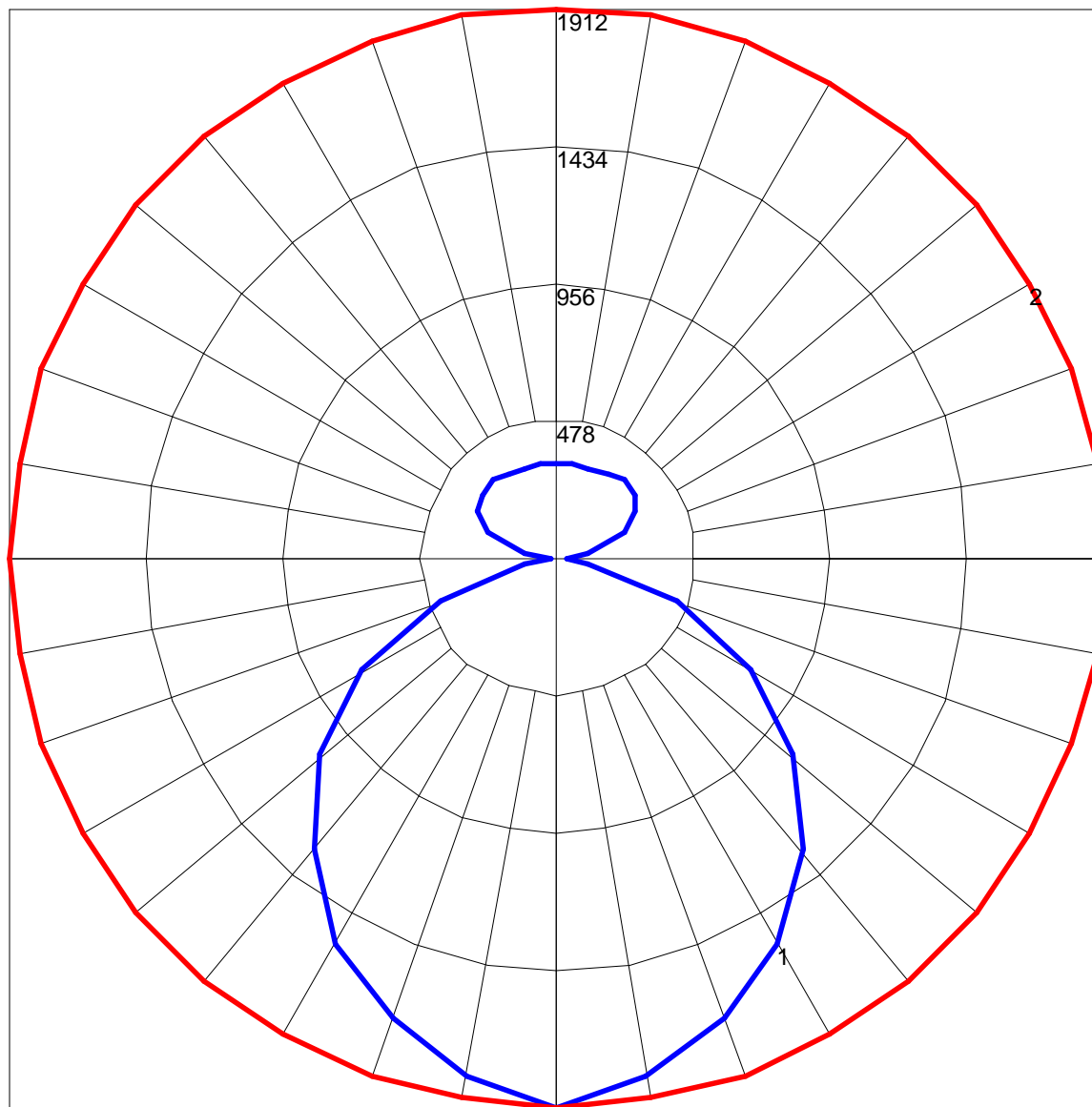
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1911.896 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.)