



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-3070-PB-VHO-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LDI LED 4 PB VHO WW 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-35

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5862
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
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	6266	4778	4350
55	5951	3977	3374
65	5314	3125	2633
75	3901	2581	2277
85	2866	3606	2460

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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	1968.997	1968.997	1968.997	1968.997	1968.997	1968.997	1968.997	1968.997	1968.997	1968.997
10	1880.342	1872.495	1860.657	1852.263	1844.710	1836.514	1832.802	1832.046	1832.475	1829.166
20	1748.315	1735.417	1707.289	1676.996	1648.645	1627.478	1613.775	1608.987	1611.747	1612.557
30	1586.117	1563.429	1512.893	1452.374	1401.958	1364.377	1340.728	1330.018	1332.691	1336.821
40	1369.631	1338.944	1268.449	1193.398	1120.574	1069.499	1035.172	1020.354	1021.338	1027.546
50	1102.571	1065.975	983.254	899.196	819.800	760.112	718.414	688.193	685.207	688.572
60	801.840	764.799	682.015	598.048	517.681	447.766	407.638	392.308	390.376	391.294
70	451.168	428.556	375.404	313.859	263.224	244.905	237.111	233.895	230.526	229.589
80	112.093	114.281	114.387	115.408	121.713	115.567	111.189	106.576	101.981	99.196
90	27.290	32.037	40.122	58.870	63.030	50.345	40.138	29.717	22.510	20.433
100	113.259	113.470	132.171	140.370	148.401	152.932	131.612	118.428	89.367	65.692
110	263.820	274.998	266.597	249.575	247.539	226.572	208.364	179.575	148.836	136.048
120	328.918	367.379	331.293	333.764	308.598	279.072	256.084	230.988	209.164	200.966
130	357.497	398.229	378.359	349.474	319.543	338.434	309.278	275.037	256.338	253.175
140	363.043	381.703	408.554	372.653	354.445	325.233	303.282	297.349	299.643	301.363
150	355.041	359.834	383.546	395.344	374.839	352.795	343.136	337.019	332.807	330.965
160	340.056	340.227	349.437	364.198	374.987	378.591	375.522	371.103	368.893	370.240
170	337.968	336.709	337.130	341.712	347.383	351.947	355.804	358.061	358.944	359.004
180	341.047	339.755	339.228	338.572	338.287	337.578	337.120	336.706	336.031	335.812

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	678.64	N.A.	11.60
0-30	1390.18	N.A.	23.70
0-40	2193.8	N.A.	37.40
0-60	3572.57	N.A.	60.90
0-80	4200.2	N.A.	71.60
0-90	4283.08	N.A.	73.10
10-90	4100.98	N.A.	70.00
20-40	1515.16	N.A.	25.80
20-50	2280.23	N.A.	38.90
40-70	1790.44	N.A.	30.50
60-80	627.63	N.A.	10.70
70-80	215.97	N.A.	3.70
80-90	82.88	N.A.	1.40
90-110	272.79	N.A.	4.70
90-120	525.53	N.A.	9.00
90-130	800.23	N.A.	13.70
90-150	1278.37	N.A.	21.80
90-180	1579.31	N.A.	26.90
110-180	1306.52	N.A.	22.30
0-180	5862.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	182.11
10-20	496.53
20-30	711.54
30-40	803.61
40-50	765.07
50-60	613.70
60-70	411.66
70-80	215.97
80-90	82.88
90-100	89.52
100-110	183.27
110-120	252.75
120-130	274.70
130-140	258.37
140-150	219.78
150-160	167.16
160-170	101.01
170-180	32.76

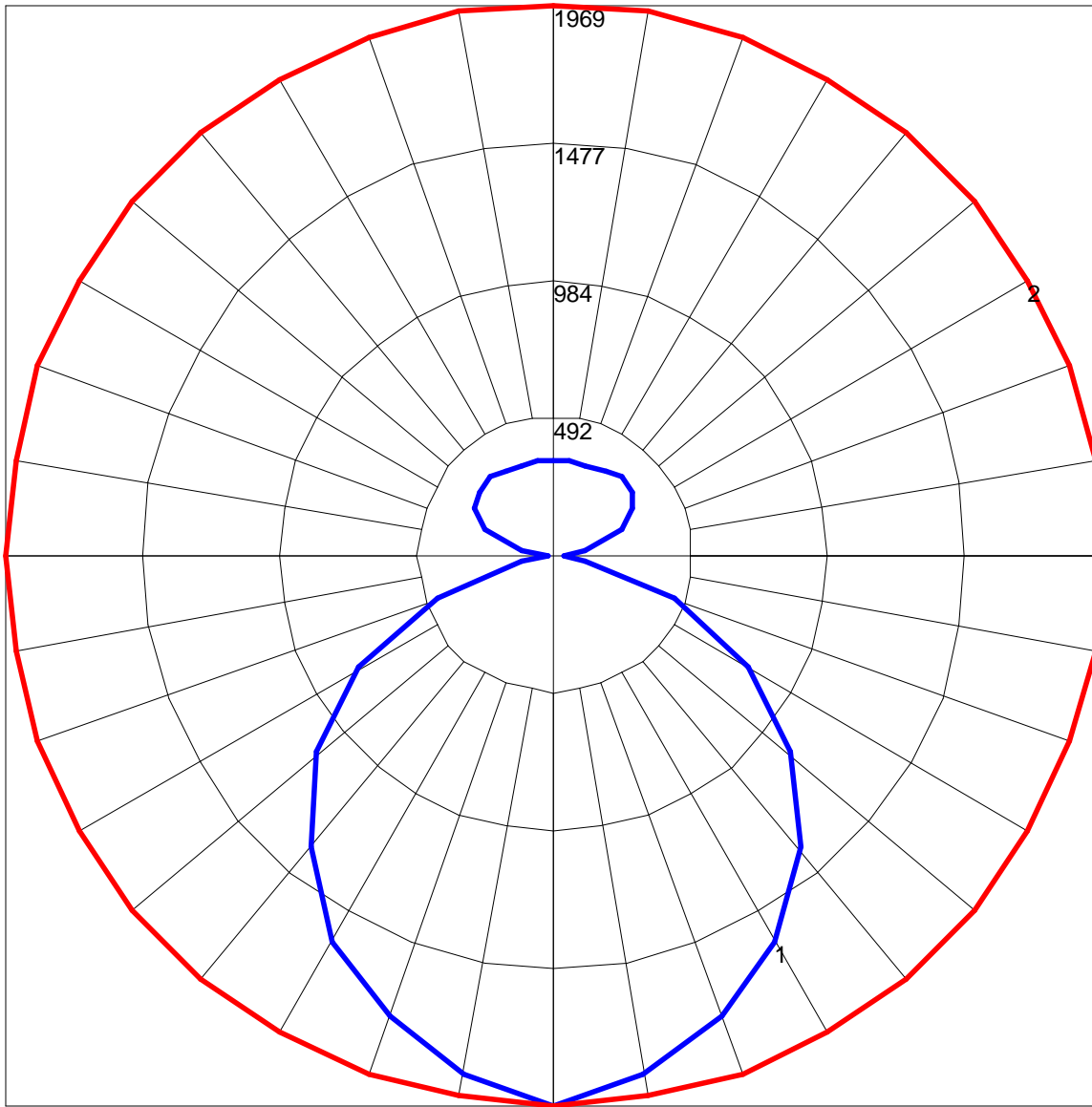
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1968.997 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.)