



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDI-4-LED-3070-FB-VHO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LDI LED 4 FB VHO NW S UE 30 70

[TESTLAB] Dekko

[TESTDATE] 03-16-2017

[ISSUEDATE] 06-19-2017

[MANUFAC] LSI INDUSTRIES, INC

[_SEARCH_SOURCE] 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-VHO-40

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6056
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
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 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	602	459	418
55	571	382	324
65	510	300	253
75	375	248	219
85	275	346	236

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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	2033.974	2033.974	2033.974	2033.974	2033.974	2033.974	2033.974	2033.974	2033.974	2033.974
10	1942.393	1934.287	1922.059	1913.388	1905.585	1897.119	1893.284	1892.504	1892.947	1889.528
20	1806.009	1792.686	1763.630	1732.337	1703.050	1681.185	1667.030	1662.084	1664.935	1665.771
30	1638.459	1615.022	1562.818	1500.302	1448.223	1409.401	1384.972	1373.909	1376.670	1380.936
40	1414.829	1383.129	1310.308	1232.780	1157.553	1104.792	1069.333	1054.026	1055.042	1061.455
50	1138.956	1101.152	1015.701	928.869	846.853	785.196	742.122	710.903	707.819	711.295
60	828.301	790.037	704.521	617.784	534.764	462.542	421.090	405.254	403.258	404.207
70	466.057	442.698	387.792	324.216	271.910	252.987	244.936	241.614	238.133	237.165
80	115.792	118.052	118.162	119.216	125.730	119.381	114.858	110.093	105.346	102.469
90	28.191	33.094	41.446	60.813	65.110	52.006	41.463	30.698	23.253	21.107
100	116.997	117.215	136.533	145.002	153.298	157.979	135.955	122.336	92.316	67.860
110	272.526	284.073	275.395	257.811	255.708	234.049	215.240	185.501	153.748	140.538
120	339.772	379.503	342.226	344.778	318.782	288.281	264.535	238.611	216.066	207.598
130	369.294	411.371	390.845	361.007	330.088	349.602	319.484	284.113	264.797	261.530
140	375.023	394.299	422.036	384.951	366.142	335.966	313.290	307.162	309.531	311.308
150	366.757	371.709	396.203	408.390	387.209	364.437	354.459	348.141	343.790	341.887
160	351.278	351.454	360.968	376.217	387.362	391.085	387.914	383.349	381.066	382.458
170	349.121	347.820	348.255	352.988	358.847	363.561	367.546	369.877	370.789	370.851
180	352.302	350.967	350.423	349.745	349.450	348.718	348.245	347.817	347.120	346.894

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	701.03	N.A.	11.60
0-30	1436.06	N.A.	23.70
0-40	2266.19	N.A.	37.40
0-60	3690.46	N.A.	60.90
0-80	4338.81	N.A.	71.60
0-90	4424.42	N.A.	73.10
10-90	4236.31	N.A.	70.00
20-40	1565.16	N.A.	25.80
20-50	2355.47	N.A.	38.90
40-70	1849.52	N.A.	30.50
60-80	648.34	N.A.	10.70
70-80	223.09	N.A.	3.70
80-90	85.62	N.A.	1.40
90-110	281.79	N.A.	4.70
90-120	542.88	N.A.	9.00
90-130	826.64	N.A.	13.70
90-150	1320.56	N.A.	21.80
90-180	1631.42	N.A.	26.90
110-180	1349.64	N.A.	22.30
0-180	6055.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	188.12
10-20	512.92
20-30	735.03
30-40	830.13
40-50	790.32
50-60	633.96
60-70	425.25
70-80	223.09
80-90	85.62
90-100	92.47
100-110	189.31
110-120	261.09
120-130	283.76
130-140	266.89
140-150	227.03
150-160	172.67
160-170	104.35
170-180	33.84

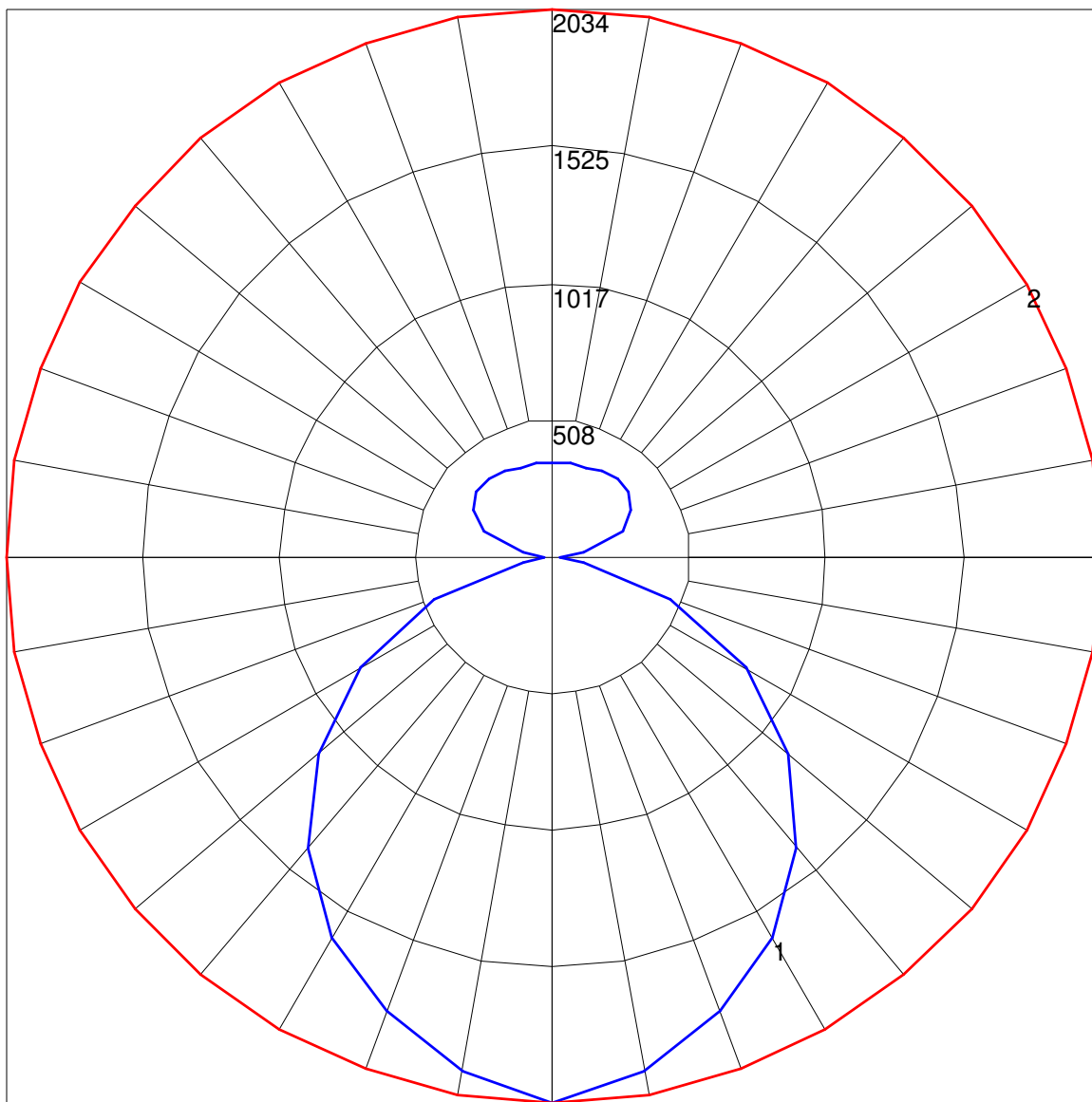
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	79	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 = 2033.974 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.)