



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-5050-FB-VHO-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LDI LED 4 FB VHO SW S UE 50 50
[TESTLAB] Dekko
[TESTDATE] 03-14-2017
[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-5050-FB-VHO-30

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6666
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	71.4
Ballast Factor	1.00
CIE Type	Semi-Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
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	3750	2828	2650
55	3526	2284	2049
65	2935	1704	1535
75	1779	1281	1240
85	658	1675	1156

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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	1128.707	1128.707	1128.707	1128.707	1128.707	1128.707	1128.707	1128.707	1128.707	1128.707
10	1063.364	1070.996	1071.796	1069.639	1067.007	1064.886	1064.532	1066.530	1069.014	1073.467
20	1008.893	1010.270	998.997	981.023	964.727	951.808	945.170	943.811	948.562	955.453
30	935.799	930.129	899.768	865.717	829.844	805.460	790.655	786.216	791.724	800.751
40	818.388	804.864	761.854	712.681	669.625	635.874	613.454	605.640	611.243	621.889
50	661.089	641.614	589.690	532.327	481.539	444.642	419.843	409.873	413.784	423.589
60	467.239	445.955	396.777	342.658	288.399	247.470	227.151	224.522	227.047	232.112
70	224.873	217.064	193.029	161.537	136.709	131.209	128.351	126.562	127.414	129.753
80	31.976	36.403	40.754	45.537	51.356	50.736	50.953	49.993	48.723	49.282
90	0.000	3.301	9.839	17.298	30.402	30.382	19.622	16.663	11.381	6.932
100	182.715	195.698	222.325	238.797	255.389	240.124	237.043	213.637	176.808	144.164
110	710.607	747.124	728.066	698.455	672.703	629.723	565.127	484.362	381.060	324.656
120	993.691	1023.477	1020.459	964.171	900.843	825.446	749.504	650.581	545.891	507.178
130	1078.591	1085.780	1088.615	1059.312	994.778	921.355	843.214	753.103	683.828	666.115
140	1082.566	1086.710	1078.587	1062.179	1026.223	963.016	898.620	840.527	812.178	806.524
150	1035.934	1035.963	1027.259	1010.681	988.407	958.155	924.282	901.675	894.514	892.533
160	960.972	960.655	959.895	952.752	943.561	934.540	928.502	928.429	929.129	930.986
170	931.432	928.461	930.421	933.963	936.033	937.729	938.386	940.241	936.696	932.041
180	934.748	930.483	927.969	926.811	925.781	926.338	924.953	923.254	913.213	908.656

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	393.66	N.A.	5.90
0-30	812.66	N.A.	12.20
0-40	1290.9	N.A.	19.40
0-60	2107.57	N.A.	31.60
0-80	2442.98	N.A.	36.60
0-90	2476.77	N.A.	37.20
10-90	2371.93	N.A.	35.60
20-40	897.24	N.A.	13.50
20-50	1353.78	N.A.	20.30
40-70	1045.45	N.A.	15.70
60-80	335.42	N.A.	5.00
70-80	106.63	N.A.	1.60
80-90	33.79	N.A.	0.50
90-110	559.43	N.A.	8.40
90-120	1268.33	N.A.	19.00
90-130	2052.5	N.A.	30.80
90-150	3392.44	N.A.	50.90
90-180	4189.28	N.A.	62.80
110-180	3629.86	N.A.	54.50
0-180	6666.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	104.85
10-20	288.81
20-30	419.00
30-40	478.24
40-50	456.54
50-60	360.13
60-70	228.79
70-80	106.63
80-90	33.79
90-100	126.42
100-110	433.01
110-120	708.90
120-130	784.18
130-140	732.06
140-150	607.88
150-160	442.00
160-170	266.10
170-180	88.74

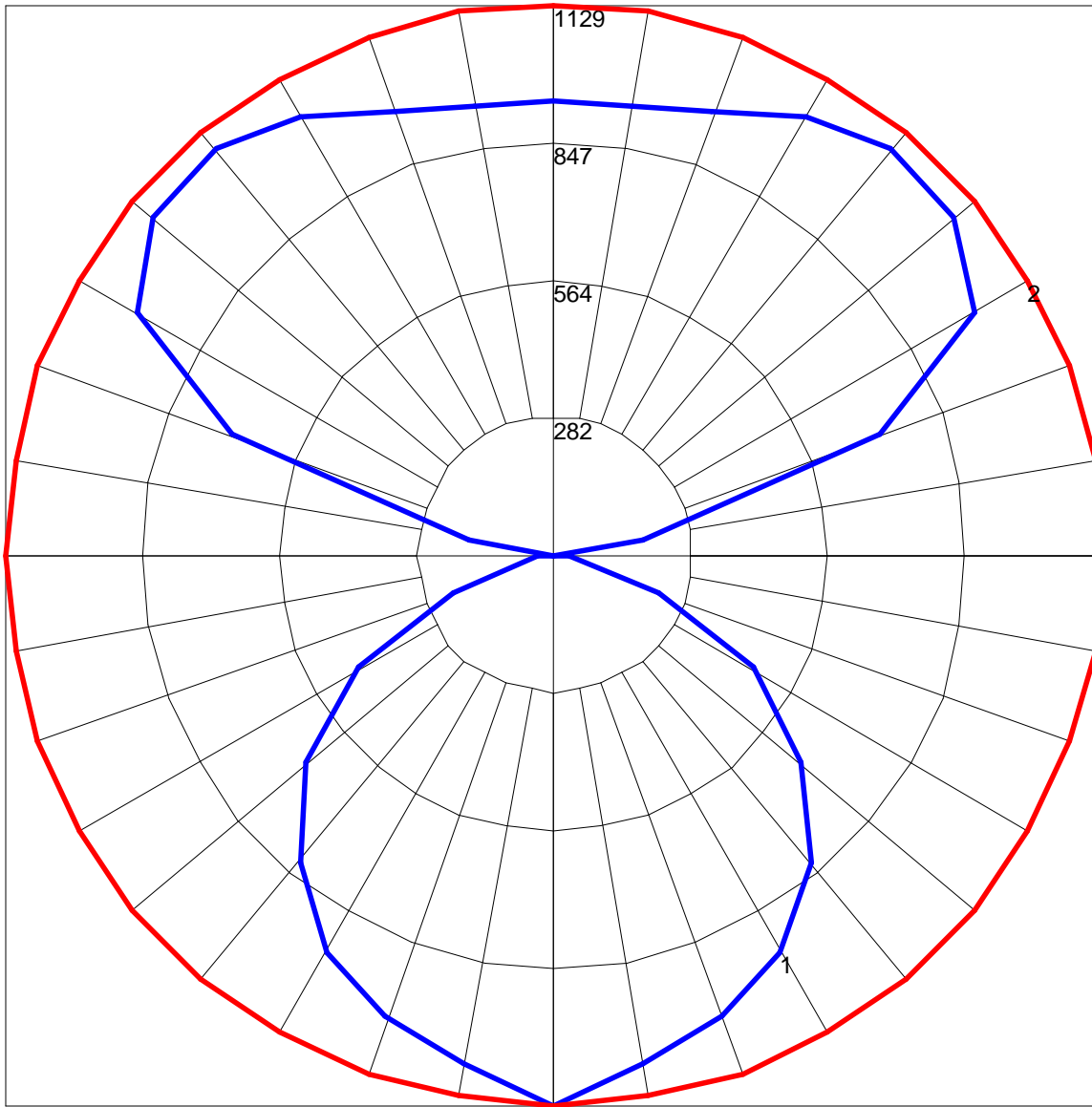
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44	37
1	95	91	87	84	86	83	80	77	67	65	63	53	51	50	40	39	38	32
2	87	80	74	69	79	73	68	64	59	56	53	47	44	42	35	34	32	27
3	79	70	63	58	72	64	58	53	52	48	45	42	39	36	31	30	28	23
4	73	62	55	49	66	57	50	45	47	42	38	37	34	31	28	26	24	20
5	67	56	48	42	60	51	44	39	42	37	33	33	30	27	26	23	21	18
6	62	50	42	37	56	46	39	34	38	33	29	30	27	24	23	21	19	16
7	57	45	37	32	52	41	35	30	34	29	25	28	24	21	21	19	17	14
8	53	41	33	28	48	38	31	26	31	26	23	25	22	19	20	17	15	13
9	49	37	30	25	45	34	28	24	29	24	20	23	20	17	18	16	14	11
10	46	34	27	23	42	31	25	21	26	22	18	21	18	15	17	14	12	10

POLAR GRAPH



Maximum Candela = 1128.707 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.)