



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LDI LED 4 FB HO SW S UE 50 50
[TESTLAB] Dekko
[TESTDATE] 03-17-2017
[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-HO-30

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5732
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	50.1
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	3225	2432	2279
55	3032	1964	1762
65	2524	1466	1320
75	1530	1102	1066
85	565	1440	994

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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	970.618	970.618	970.618	970.618	970.618	970.618	970.618	970.618	970.618	970.618
10	914.428	920.990	921.678	919.823	917.560	915.736	915.431	917.150	919.286	923.115
20	867.586	868.770	859.076	843.619	829.606	818.496	812.788	811.619	815.705	821.631
30	804.730	799.853	773.745	744.463	713.614	692.646	679.915	676.097	680.834	688.596
40	703.763	692.133	655.148	612.862	575.836	546.812	527.532	520.813	525.631	534.786
50	568.496	551.748	507.097	457.769	414.094	382.365	361.039	352.465	355.829	364.260
60	401.797	383.494	341.204	294.665	248.005	212.809	195.336	193.075	195.246	199.602
70	193.377	186.662	165.993	138.911	117.561	112.832	110.374	108.836	109.568	111.579
80	27.497	31.304	35.046	39.159	44.163	43.630	43.817	42.991	41.899	42.380
90	0.000	2.839	8.461	14.876	26.144	26.126	16.874	14.329	9.787	5.961
100	157.124	168.288	191.186	205.351	219.618	206.492	203.843	183.714	152.044	123.972
110	611.078	642.481	626.091	600.628	578.483	541.523	485.974	416.521	327.688	279.184
120	854.513	880.127	877.532	829.127	774.670	709.833	644.527	559.459	469.433	436.141
130	927.521	933.704	936.142	910.943	855.447	792.308	725.111	647.622	588.050	572.818
140	930.940	934.504	927.518	913.408	882.488	828.135	772.757	722.801	698.423	693.561
150	890.839	890.864	883.379	869.123	849.969	823.954	794.826	775.385	769.227	767.523
160	826.377	826.104	825.450	819.308	811.404	803.647	798.455	798.392	798.993	800.590
170	800.974	798.419	800.104	803.151	804.931	806.389	806.954	808.549	805.500	801.497
180	803.825	800.158	797.996	797.000	796.114	796.593	795.403	793.941	785.307	781.388

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	338.52	N.A.	5.90
0-30	698.84	N.A.	12.20
0-40	1110.1	N.A.	19.40
0-60	1812.38	N.A.	31.60
0-80	2100.82	N.A.	36.60
0-90	2129.87	N.A.	37.20
10-90	2039.71	N.A.	35.60
20-40	771.57	N.A.	13.50
20-50	1164.17	N.A.	20.30
40-70	899.02	N.A.	15.70
60-80	288.44	N.A.	5.00
70-80	91.70	N.A.	1.60
80-90	29.06	N.A.	0.50
90-110	481.07	N.A.	8.40
90-120	1090.68	N.A.	19.00
90-130	1765.02	N.A.	30.80
90-150	2917.29	N.A.	50.90
90-180	3602.53	N.A.	62.80
110-180	3121.45	N.A.	54.50
0-180	5732.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	90.16
10-20	248.36
20-30	360.32
30-40	411.26
40-50	392.59
50-60	309.69
60-70	196.74
70-80	91.70
80-90	29.06
90-100	108.71
100-110	372.36
110-120	609.61
120-130	674.34
130-140	629.53
140-150	522.74
150-160	380.09
160-170	228.83
170-180	76.31

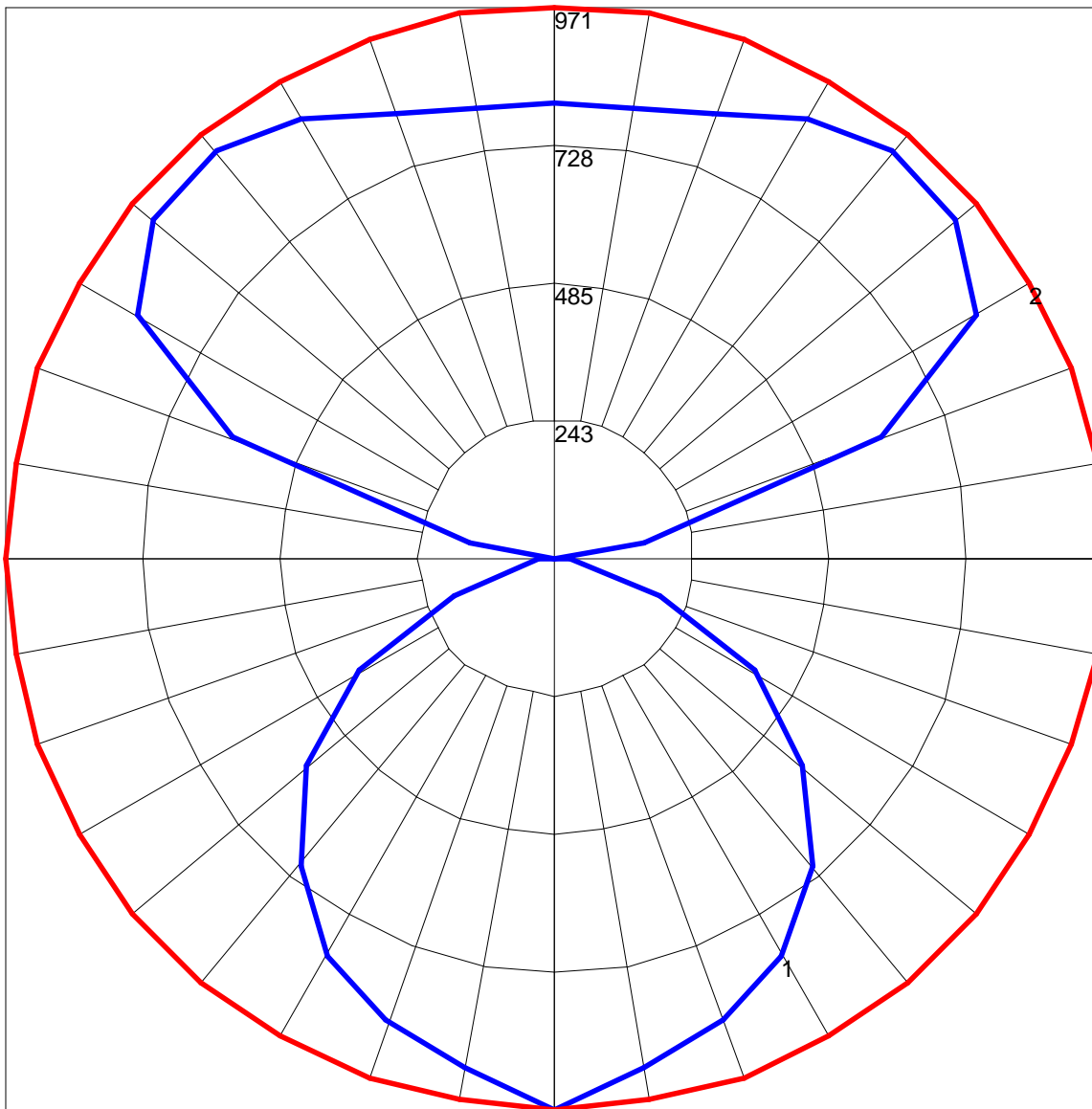
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 970.618 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.)