



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LDI LED 4 FB SS 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-SS-30

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4929
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	38
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	2773	2091	1960
55	2607	1689	1515
65	2170	1260	1135
75	1315	947	917
85	486	1238	855

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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	834.615	834.615	834.615	834.615	834.615	834.615	834.615	834.615	834.615	834.615
10	786.298	791.941	792.533	790.938	788.992	787.423	787.161	788.639	790.476	793.768
20	746.020	747.038	738.702	725.411	713.362	703.809	698.900	697.895	701.408	706.504
30	691.971	687.778	665.328	640.149	613.623	595.592	584.645	581.362	585.436	592.110
40	605.152	595.152	563.349	526.988	495.150	470.193	453.614	447.837	451.980	459.852
50	488.838	474.437	436.043	393.626	356.071	328.788	310.450	303.078	305.970	313.220
60	345.497	329.759	293.394	253.376	213.255	182.990	167.965	166.022	167.889	171.634
70	166.281	160.507	142.734	119.447	101.089	97.022	94.908	93.586	94.215	95.945
80	23.644	26.918	30.135	33.672	37.975	37.516	37.677	36.967	36.028	36.441
90	0.000	2.441	7.275	12.791	22.481	22.466	14.509	12.322	8.416	5.126
100	135.107	144.708	164.397	176.577	188.845	177.559	175.280	157.972	130.740	106.601
110	525.454	552.456	538.364	516.468	497.426	465.645	417.880	358.159	281.773	240.065
120	734.779	756.804	754.572	712.950	666.123	610.371	554.216	481.068	403.656	375.029
130	797.557	802.873	804.970	783.302	735.582	681.290	623.509	556.877	505.652	492.554
140	800.497	803.561	797.554	785.422	758.834	712.097	664.479	621.522	600.560	596.379
150	766.015	766.036	759.600	747.342	730.872	708.502	683.455	666.738	661.443	659.978
160	710.585	710.350	709.788	704.507	697.710	691.040	686.575	686.521	687.038	688.412
170	688.741	686.545	687.994	690.613	692.144	693.398	693.884	695.255	692.634	689.192
180	691.193	688.040	686.181	685.325	684.563	684.975	683.951	682.694	675.270	671.900

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	291.09	N.A.	5.90
0-30	600.92	N.A.	12.20
0-40	954.55	N.A.	19.40
0-60	1558.43	N.A.	31.60
0-80	1806.45	N.A.	36.60
0-90	1831.43	N.A.	37.20
10-90	1753.91	N.A.	35.60
20-40	663.46	N.A.	13.50
20-50	1001.04	N.A.	20.30
40-70	773.05	N.A.	15.70
60-80	248.02	N.A.	5.00
70-80	78.85	N.A.	1.60
80-90	24.99	N.A.	0.50
90-110	413.67	N.A.	8.40
90-120	937.86	N.A.	19.00
90-130	1517.71	N.A.	30.80
90-150	2508.52	N.A.	50.90
90-180	3097.74	N.A.	62.80
110-180	2684.07	N.A.	54.50
0-180	4929.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	77.53
10-20	213.56
20-30	309.83
30-40	353.63
40-50	337.58
50-60	266.29
60-70	169.18
70-80	78.85
80-90	24.99
90-100	93.48
100-110	320.19
110-120	524.19
120-130	579.85
130-140	541.32
140-150	449.49
150-160	326.83
160-170	196.76
170-180	65.62

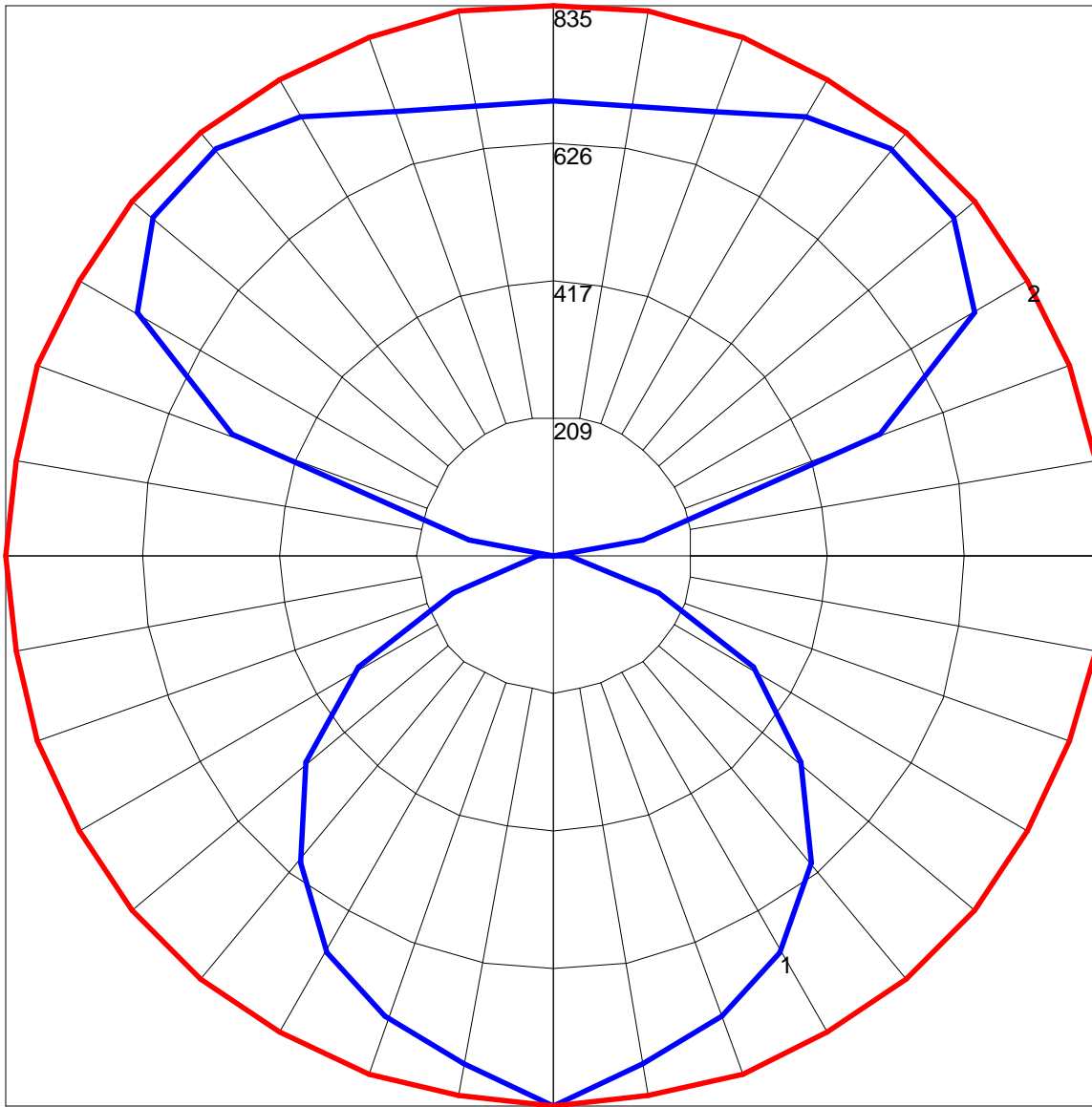
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 834.615 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.)