



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-100-FB-SS-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LDI LED 4 FB SS WW S UE 0 100
 [TESTLAB] Dekko
 [TESTDATE] 03-14-2017
 [ISSUEDATE]06-19-2017
 [MANUFAC]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-100-FB-SS-35

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3654
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	38
Ballast Factor	1.00
CIE Type	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	5441	4133	3742
55	5119	3398	2884
65	4381	2604	2216
75	2910	1961	1844
85	1465	1700	1620

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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	1720.786	1720.786	1720.786	1720.786	1720.786	1720.786	1720.786	1720.786	1720.786	1720.786
10	1645.147	1640.681	1631.213	1624.844	1617.399	1612.407	1606.470	1605.429	1606.225	1604.925
20	1533.060	1523.658	1500.426	1471.951	1445.592	1424.504	1411.105	1404.673	1406.342	1409.408
30	1389.000	1369.645	1325.542	1269.483	1227.670	1189.605	1165.584	1154.789	1156.143	1160.556
40	1192.216	1164.423	1103.713	1038.453	975.536	927.767	895.561	880.487	879.382	886.815
50	954.230	920.159	850.366	773.964	706.141	651.924	614.520	592.149	589.168	589.397
60	684.076	651.722	580.411	502.677	439.325	377.405	341.657	332.372	331.916	333.424
70	348.917	332.284	297.129	251.431	211.494	200.012	194.442	189.830	188.782	189.066
80	71.260	73.427	75.356	76.933	77.140	77.599	78.024	78.729	77.802	77.287
90	0.000	0.000	0.000	1.997	4.814	5.773	5.009	3.771	2.359	1.489

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	594.50	N.A.	16.30
0-30	1216.61	N.A.	33.30
0-40	1915.94	N.A.	52.40
0-60	3102.61	N.A.	84.90
0-80	3610.5	N.A.	98.80
0-90	3653.76	N.A.	100.00
10-90	3494.37	N.A.	95.60
20-40	1321.44	N.A.	36.20
20-50	1982.94	N.A.	54.30
40-70	1528.6	N.A.	41.80
60-80	507.89	N.A.	13.90
70-80	165.96	N.A.	4.50
80-90	43.26	N.A.	1.20
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3653.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	159.39
10-20	435.11
20-30	622.11
30-40	699.33
40-50	661.51
50-60	525.16
60-70	341.94
70-80	165.96
80-90	43.26
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

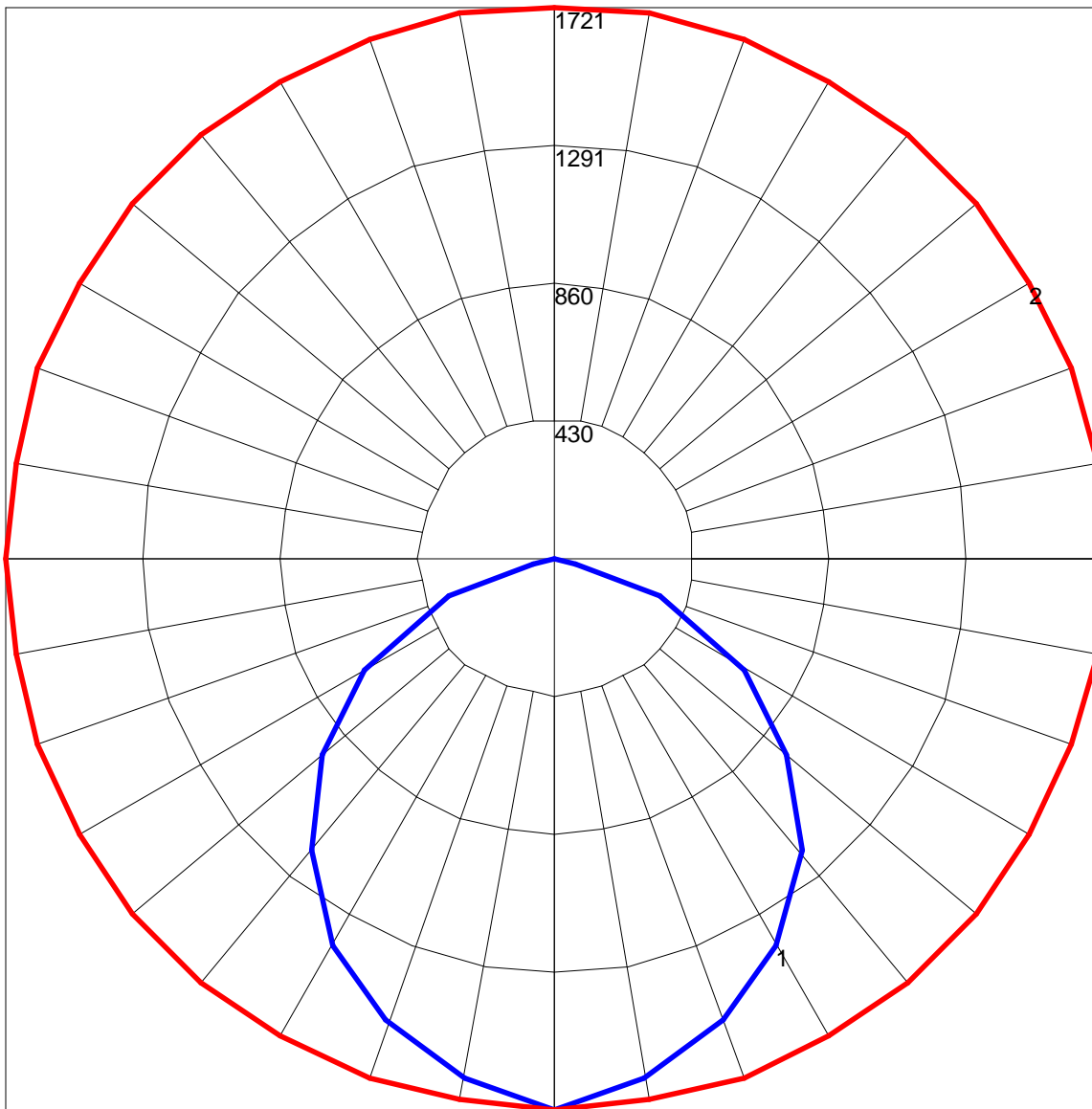
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	48
6	73	60	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43
7	68	55	47	41	66	54	46	41	53	46	41	51	45	40	50	44	40	38
8	63	51	42	37	62	50	42	37	49	42	37	47	41	36	46	40	36	34
9	59	47	39	33	58	46	38	33	45	38	33	44	38	33	43	37	33	31
10	56	43	36	30	55	43	35	30	42	35	30	41	35	30	40	34	30	28

POLAR GRAPH



Maximum Candela = 1720.786 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.)