



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDI-4-LED-6040-PL-SS-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB]Dekko

[ISSUEDATE]06-19-2017

[TESTDATE]03/08/17

[MANUFAC]LSI INDUSTRIES, INC

[LUMCAT] LDI-4-LED-6040-PL-SS-40

[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER]TEST PROCEDURE: IESNA LM-79-08

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3242
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	38.4
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	1347	1409	1656
55	1103	1341	1696
65	364	1127	2106
75	137	320	1440
85	238	373	475

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	409.200	409.200	409.200	409.200	409.200
2.5	418.275	412.500	409.200	405.900	404.250
5.0	418.275	412.500	409.200	405.900	403.425
7.5	416.625	410.850	407.550	402.600	400.125
10.0	413.325	408.375	402.600	399.300	396.000
12.5	410.025	403.425	398.475	395.175	393.525
15.0	404.250	397.650	392.700	392.700	391.050
17.5	398.475	390.225	386.925	389.400	389.400
20.0	391.050	382.800	380.325	385.275	386.925
22.5	382.800	373.725	373.725	381.150	384.450
25.0	374.550	365.475	366.300	377.025	381.975
27.5	364.650	355.575	358.875	371.250	378.675
30.0	353.925	344.850	349.800	365.475	374.550
32.5	341.550	333.300	339.900	358.050	368.775
35.0	329.175	320.925	329.175	349.800	363.825
37.5	315.150	306.900	318.450	340.725	356.400
40.0	299.475	292.050	305.250	330.000	347.325
42.5	283.800	277.200	292.050	318.450	338.250
45.0	265.650	259.875	278.025	306.075	326.700
47.5	247.500	241.725	262.350	292.050	314.325
50.0	226.875	222.750	246.675	277.200	301.125
52.5	202.950	202.950	231.000	261.525	287.100
55.0	176.550	180.675	214.500	246.675	271.425
57.5	145.200	155.925	198.825	231.825	254.925
60.0	108.075	127.050	181.500	216.975	243.375
62.5	70.125	94.050	160.050	206.250	249.150
65.0	42.900	59.400	132.825	204.600	248.325
67.5	27.225	37.125	97.350	188.925	236.775
70.0	18.975	25.575	60.225	159.225	228.525
72.5	14.025	18.975	34.650	111.375	209.550
75.0	9.900	14.850	23.100	61.050	103.950
77.5	8.250	12.375	16.500	28.050	56.925
80.0	7.425	9.900	13.200	18.150	31.350
82.5	6.600	9.075	9.900	13.200	18.975
85.0	5.775	8.250	9.075	9.900	11.550
87.5	4.950	7.425	8.250	9.075	9.075
90.0	4.125	8.250	13.200	10.725	10.725
92.5	16.500	42.075	47.850	30.525	28.875
95.0	30.525	67.650	92.400	91.575	92.400
97.5	48.675	95.700	131.175	121.275	111.375
100.0	70.125	123.750	177.375	179.025	169.125
102.5	94.875	160.050	223.575	247.500	244.200
105.0	122.925	199.650	270.600	312.675	303.600
107.5	150.150	234.300	318.450	360.525	374.550
110.0	175.725	263.175	354.750	396.825	396.825
112.5	198.825	287.100	380.325	426.525	423.225
115.0	222.750	306.075	400.950	448.800	446.325
117.5	245.025	321.750	416.625	467.775	467.775
120.0	267.300	336.600	429.000	479.325	483.450
122.5	288.750	349.800	440.550	485.925	493.350
125.0	310.200	359.700	450.450	492.525	499.950
127.5	328.350	368.775	457.050	499.125	505.725
130.0	345.675	380.325	461.175	504.075	511.500
132.5	361.350	389.400	463.650	505.725	513.150

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CANDELA TABULATION - (Cont.)

135.0	376.200	396.000	464.475	504.900	513.150
137.5	388.575	402.600	463.650	503.250	510.675
140.0	400.125	410.025	462.000	499.950	507.375
142.5	412.500	418.275	457.875	495.825	503.250
145.0	422.400	425.700	454.575	488.400	497.475
147.5	431.475	431.475	451.275	481.800	490.050
150.0	437.250	435.600	447.975	473.550	480.975
152.5	441.375	440.550	446.325	465.300	471.075
155.0	445.500	444.675	445.500	457.050	460.350
157.5	450.450	447.975	447.150	452.100	453.750
160.0	453.750	451.275	448.800	448.800	447.975
162.5	456.225	453.750	449.625	447.150	444.675
165.0	458.700	455.400	451.275	447.150	443.850
167.5	459.525	456.225	451.275	446.325	443.025
170.0	458.700	455.400	450.450	445.500	442.200
172.5	455.400	452.925	448.800	443.850	442.200
175.0	452.100	449.625	446.325	443.025	440.550
177.5	450.450	447.975	444.675	442.200	439.725
180.0	443.850	443.850	443.850	443.850	443.850

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	150.52	N.A.	4.60
0-30	321.91	N.A.	9.90
0-40	532.31	N.A.	16.40
0-60	944.47	N.A.	29.10
0-80	1125.9	N.A.	34.70
0-90	1136.99	N.A.	35.10
10-90	1098.09	N.A.	33.90
20-40	381.79	N.A.	11.80
20-50	601.22	N.A.	18.50
40-70	545.20	N.A.	16.80
60-80	181.43	N.A.	5.60
70-80	48.40	N.A.	1.50
80-90	11.09	N.A.	0.30
90-110	340.61	N.A.	10.50
90-120	707.29	N.A.	21.80
90-130	1089.06	N.A.	33.60
90-150	1725.48	N.A.	53.20
90-180	2104.79	N.A.	64.90
110-180	1764.18	N.A.	54.40
0-180	3241.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	38.90
10-20	111.62
20-30	171.39
30-40	210.40
40-50	219.43
50-60	192.73
60-70	133.04
70-80	48.40
80-90	11.09
90-100	81.92
100-110	258.68
110-120	366.68
120-130	381.77
130-140	349.59
140-150	286.83
150-160	208.81
160-170	127.76
170-180	42.75

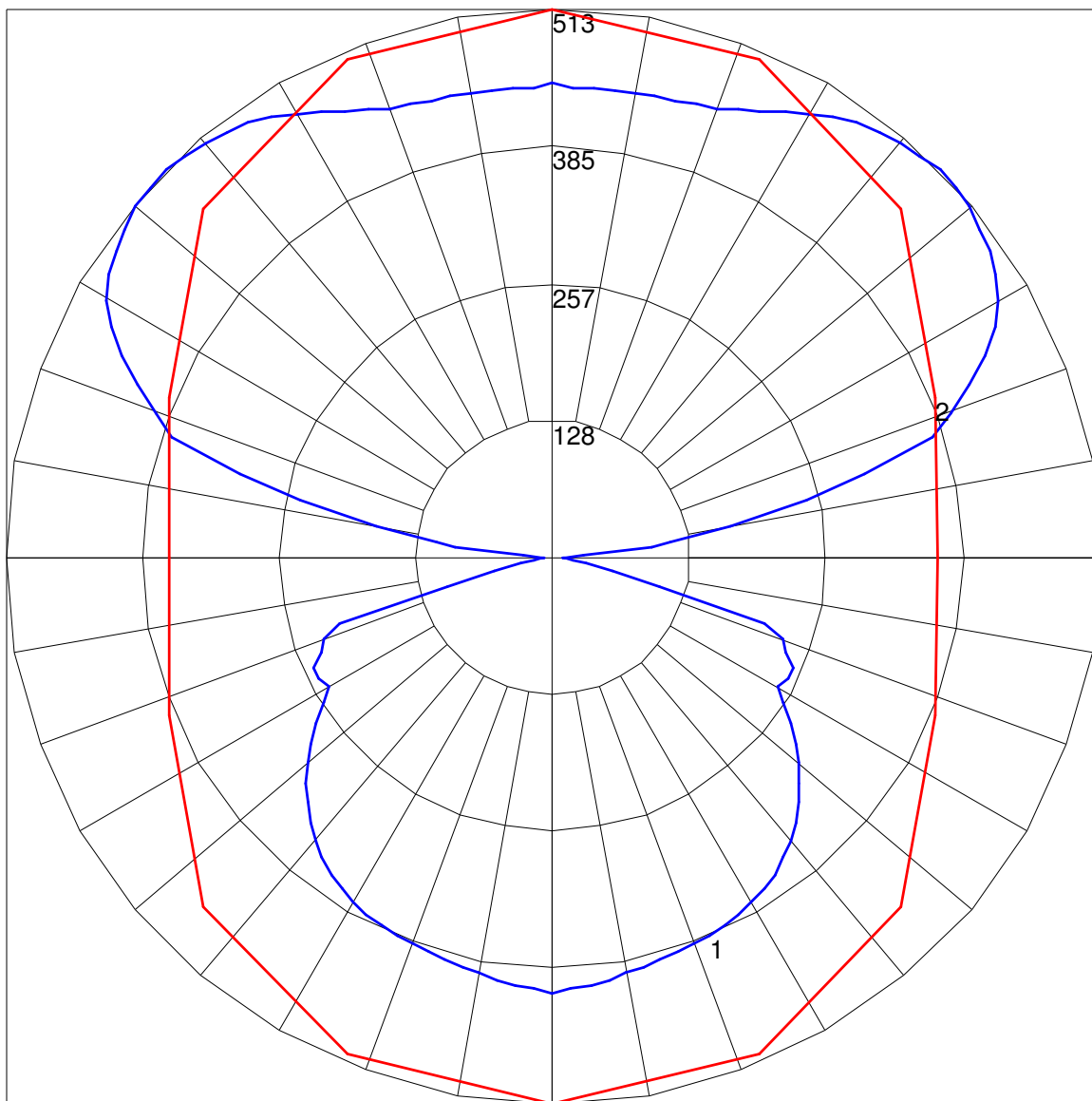
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	75	75	75	58	58	58	42	42	42	35
1	95	91	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	67	62	58	54	51	45	43	41	33	32	31	25
3	79	69	62	57	71	63	57	52	51	47	43	40	37	34	30	28	26	21
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22	18
5	66	55	47	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16
6	61	49	41	35	55	44	38	33	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	19	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10
10	45	33	26	21	40	30	24	20	25	20	17	20	16	14	15	13	11	9

POLAR GRAPH



Maximum Candela = 513.15 Located At Horizontal Angle = 90, Vertical Angle = 132.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (132.5) (Through Max. Cd.)