



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDI-4-LED-6040-PL-HO-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-HO-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	3929
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
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	1632	1708	2007
55	1337	1625	2056
65	441	1366	2553
75	166	388	1745
85	288	452	576

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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	496	496	496	496	496
2.5	507	500	496	492	490
5.0	507	500	496	492	489
7.5	505	498	494	488	485
10.0	501	495	488	484	480
12.5	497	489	483	479	477
15.0	490	482	476	476	474
17.5	483	473	469	472	472
20.0	474	464	461	467	469
22.5	464	453	453	462	466
25.0	454	443	444	457	463
27.5	442	431	435	450	459
30.0	429	418	424	443	454
32.5	414	404	412	434	447
35.0	399	389	399	424	441
37.5	382	372	386	413	432
40.0	363	354	370	400	421
42.5	344	336	354	386	410
45.0	322	315	337	371	396
47.5	300	293	318	354	381
50.0	275	270	299	336	365
52.5	246	246	280	317	348
55.0	214	219	260	299	329
57.5	176	189	241	281	309
60.0	131	154	220	263	295
62.5	85	114	194	250	302
65.0	52	72	161	248	301
67.5	33	45	118	229	287
70.0	23	31	73	193	277
72.5	17	23	42	135	254
75.0	12	18	28	74	126
77.5	10	15	20	34	69
80.0	9	12	16	22	38
82.5	8	11	12	16	23
85.0	7	10	11	12	14
87.5	6	9	10	11	11
90.0	5	10	16	13	13
92.5	20	51	58	37	35
95.0	37	82	112	111	112
97.5	59	116	159	147	135
100.0	85	150	215	217	205
102.5	115	194	271	300	296
105.0	149	242	328	379	368
107.5	182	284	386	437	454
110.0	213	319	430	481	481
112.5	241	348	461	517	513
115.0	270	371	486	544	541
117.5	297	390	505	567	567
120.0	324	408	520	581	586
122.5	350	424	534	589	598
125.0	376	436	546	597	606
127.5	398	447	554	605	613
130.0	419	461	559	611	620
132.5	438	472	562	613	622

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CANDELA TABULATION - (Cont.)

135.0	456	480	563	612	622
137.5	471	488	562	610	619
140.0	485	497	560	606	615
142.5	500	507	555	601	610
145.0	512	516	551	592	603
147.5	523	523	547	584	594
150.0	530	528	543	574	583
152.5	535	534	541	564	571
155.0	540	539	540	554	558
157.5	546	543	542	548	550
160.0	550	547	544	544	543
162.5	553	550	545	542	539
165.0	556	552	547	542	538
167.5	557	553	547	541	537
170.0	556	552	546	540	536
172.5	552	549	544	538	536
175.0	548	545	541	537	534
177.5	546	543	539	536	533
180.0	538	538	538	538	538

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	182.45	N.A.	4.60
0-30	390.19	N.A.	9.90
0-40	645.22	N.A.	16.40
0-60	1144.81	N.A.	29.10
0-80	1364.73	N.A.	34.70
0-90	1378.17	N.A.	35.10
10-90	1331.02	N.A.	33.90
20-40	462.77	N.A.	11.80
20-50	728.75	N.A.	18.50
40-70	660.84	N.A.	16.80
60-80	219.92	N.A.	5.60
70-80	58.66	N.A.	1.50
80-90	13.44	N.A.	0.30
90-110	412.86	N.A.	10.50
90-120	857.32	N.A.	21.80
90-130	1320.07	N.A.	33.60
90-150	2091.49	N.A.	53.20
90-180	2551.25	N.A.	64.90
110-180	2138.4	N.A.	54.40
0-180	3929.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	47.15
10-20	135.30
20-30	207.74
30-40	255.03
40-50	265.98
50-60	233.61
60-70	161.26
70-80	58.66
80-90	13.44
90-100	99.30
100-110	313.56
110-120	444.46
120-130	462.75
130-140	423.74
140-150	347.67
150-160	253.10
160-170	154.85
170-180	51.82

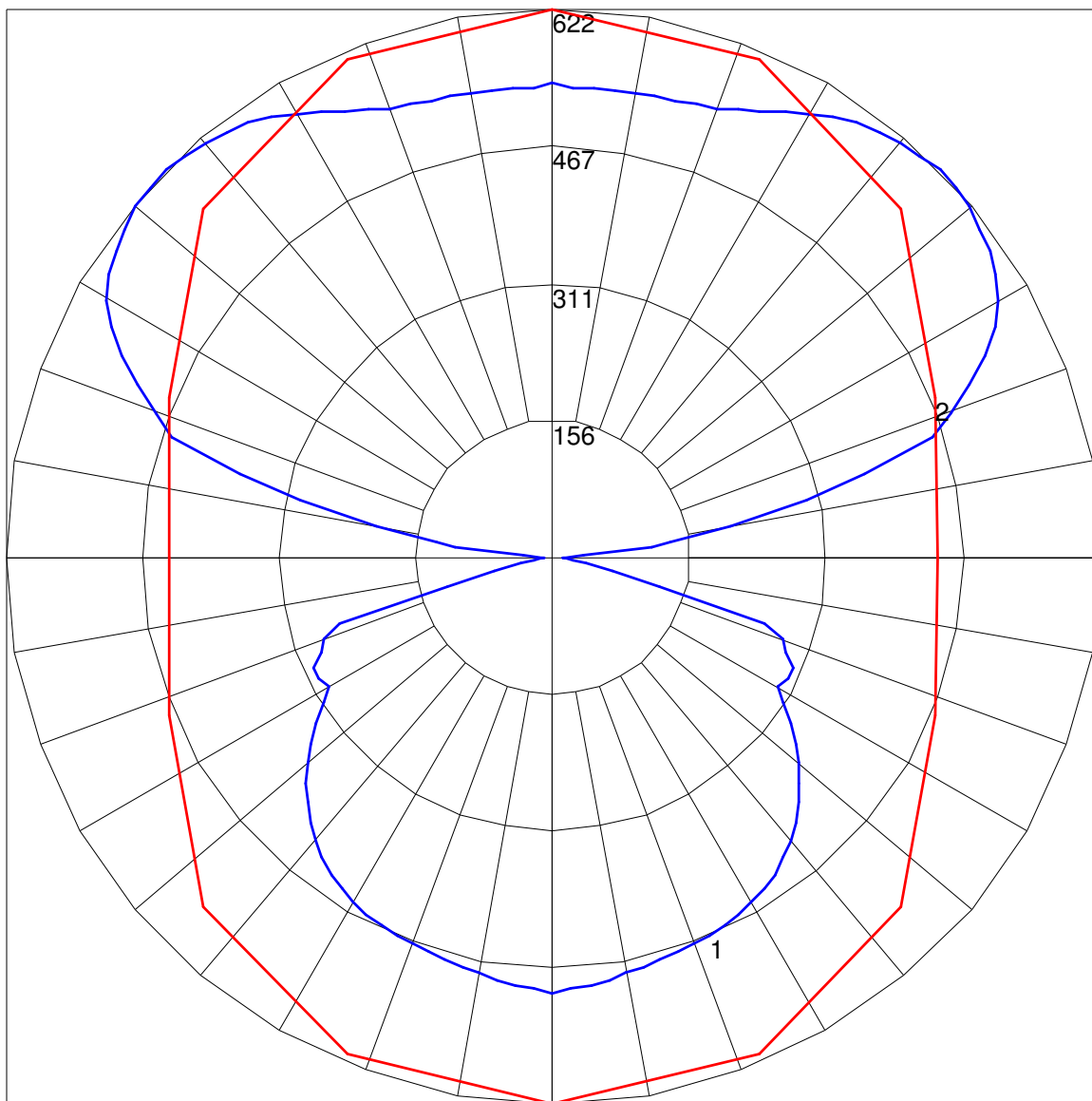
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 622 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.)