



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDI-4-LED-6040-PL-HO-30.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-30

[_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	3686
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
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	1531	1602	1883
55	1254	1524	1929
65	414	1281	2395
75	156	364	1637
85	270	424	540

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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	465.248	465.248	465.248	465.248	465.248
2.5	475.566	469.000	465.248	461.496	459.620
5.0	475.566	469.000	465.248	461.496	458.682
7.5	473.690	467.124	463.372	457.744	454.930
10.0	469.938	464.310	457.744	453.992	450.240
12.5	466.186	458.682	453.054	449.302	447.426
15.0	459.620	452.116	446.488	446.488	444.612
17.5	453.054	443.674	439.922	442.736	442.736
20.0	444.612	435.232	432.418	438.046	439.922
22.5	435.232	424.914	424.914	433.356	437.108
25.0	425.852	415.534	416.472	428.666	434.294
27.5	414.596	404.278	408.030	422.100	430.542
30.0	402.402	392.084	397.712	415.534	425.852
32.5	388.332	378.952	386.456	407.092	419.286
35.0	374.262	364.882	374.262	397.712	413.658
37.5	358.316	348.936	362.068	387.394	405.216
40.0	340.494	332.052	347.060	375.200	394.898
42.5	322.672	315.168	332.052	362.068	384.580
45.0	302.036	295.470	316.106	347.998	371.448
47.5	281.400	274.834	298.284	332.052	357.378
50.0	257.950	253.260	280.462	315.168	342.370
52.5	230.748	230.748	262.640	297.346	326.424
55.0	200.732	205.422	243.880	280.462	308.602
57.5	165.088	177.282	226.058	263.578	289.842
60.0	122.878	144.452	206.360	246.694	276.710
62.5	79.730	106.932	181.972	234.500	283.276
65.0	48.776	67.536	151.018	232.624	282.338
67.5	30.954	42.210	110.684	214.802	269.206
70.0	21.574	29.078	68.474	181.034	259.826
72.5	15.946	21.574	39.396	126.630	238.252
75.0	11.256	16.884	26.264	69.412	118.188
77.5	9.380	14.070	18.760	31.892	64.722
80.0	8.442	11.256	15.008	20.636	35.644
82.5	7.504	10.318	11.256	15.008	21.574
85.0	6.566	9.380	10.318	11.256	13.132
87.5	5.628	8.442	9.380	10.318	10.318
90.0	4.690	9.380	15.008	12.194	12.194
92.5	18.760	47.838	54.404	34.706	32.830
95.0	34.706	76.916	105.056	104.118	105.056
97.5	55.342	108.808	149.142	137.886	126.630
100.0	79.730	140.700	201.670	203.546	192.290
102.5	107.870	181.972	254.198	281.400	277.648
105.0	139.762	226.996	307.664	355.502	345.184
107.5	170.716	266.392	362.068	409.906	425.852
110.0	199.794	299.222	403.340	451.178	451.178
112.5	226.058	326.424	432.418	484.946	481.194
115.0	253.260	347.998	455.868	510.272	507.458
117.5	278.586	365.820	473.690	531.846	531.846
120.0	303.912	382.704	487.760	544.978	549.668
122.5	328.300	397.712	500.892	552.482	560.924
125.0	352.688	408.968	512.148	559.986	568.428
127.5	373.324	419.286	519.652	567.490	574.994
130.0	393.022	432.418	524.342	573.118	581.560
132.5	410.844	442.736	527.156	574.994	583.436

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CANDELA TABULATION - (Cont.)

135.0	427.728	450.240	528.094	574.056	583.436
137.5	441.798	457.744	527.156	572.180	580.622
140.0	454.930	466.186	525.280	568.428	576.870
142.5	469.000	475.566	520.590	563.738	572.180
145.0	480.256	484.008	516.838	555.296	565.614
147.5	490.574	490.574	513.086	547.792	557.172
150.0	497.140	495.264	509.334	538.412	546.854
152.5	501.830	500.892	507.458	529.032	535.598
155.0	506.520	505.582	506.520	519.652	523.404
157.5	512.148	509.334	508.396	514.024	515.900
160.0	515.900	513.086	510.272	510.272	509.334
162.5	518.714	515.900	511.210	508.396	505.582
165.0	521.528	517.776	513.086	508.396	504.644
167.5	522.466	518.714	513.086	507.458	503.706
170.0	521.528	517.776	512.148	506.520	502.768
172.5	517.776	514.962	510.272	504.644	502.768
175.0	514.024	511.210	507.458	503.706	500.892
177.5	512.148	509.334	505.582	502.768	499.954
180.0	504.644	504.644	504.644	504.644	504.644

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	171.14	N.A.	4.60
0-30	366.00	N.A.	9.90
0-40	605.22	N.A.	16.40
0-60	1073.83	N.A.	29.10
0-80	1280.12	N.A.	34.70
0-90	1292.72	N.A.	35.10
10-90	1248.5	N.A.	33.90
20-40	434.08	N.A.	11.80
20-50	683.57	N.A.	18.50
40-70	619.87	N.A.	16.80
60-80	206.29	N.A.	5.60
70-80	55.03	N.A.	1.50
80-90	12.61	N.A.	0.30
90-110	387.26	N.A.	10.50
90-120	804.16	N.A.	21.80
90-130	1238.23	N.A.	33.60
90-150	1961.81	N.A.	53.20
90-180	2393.08	N.A.	64.90
110-180	2005.81	N.A.	54.40
0-180	3685.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	44.22
10-20	126.91
20-30	194.86
30-40	239.22
40-50	249.49
50-60	219.13
60-70	151.26
70-80	55.03
80-90	12.61
90-100	93.15
100-110	294.12
110-120	416.90
120-130	434.06
130-140	397.47
140-150	326.12
150-160	237.41
160-170	145.25
170-180	48.60

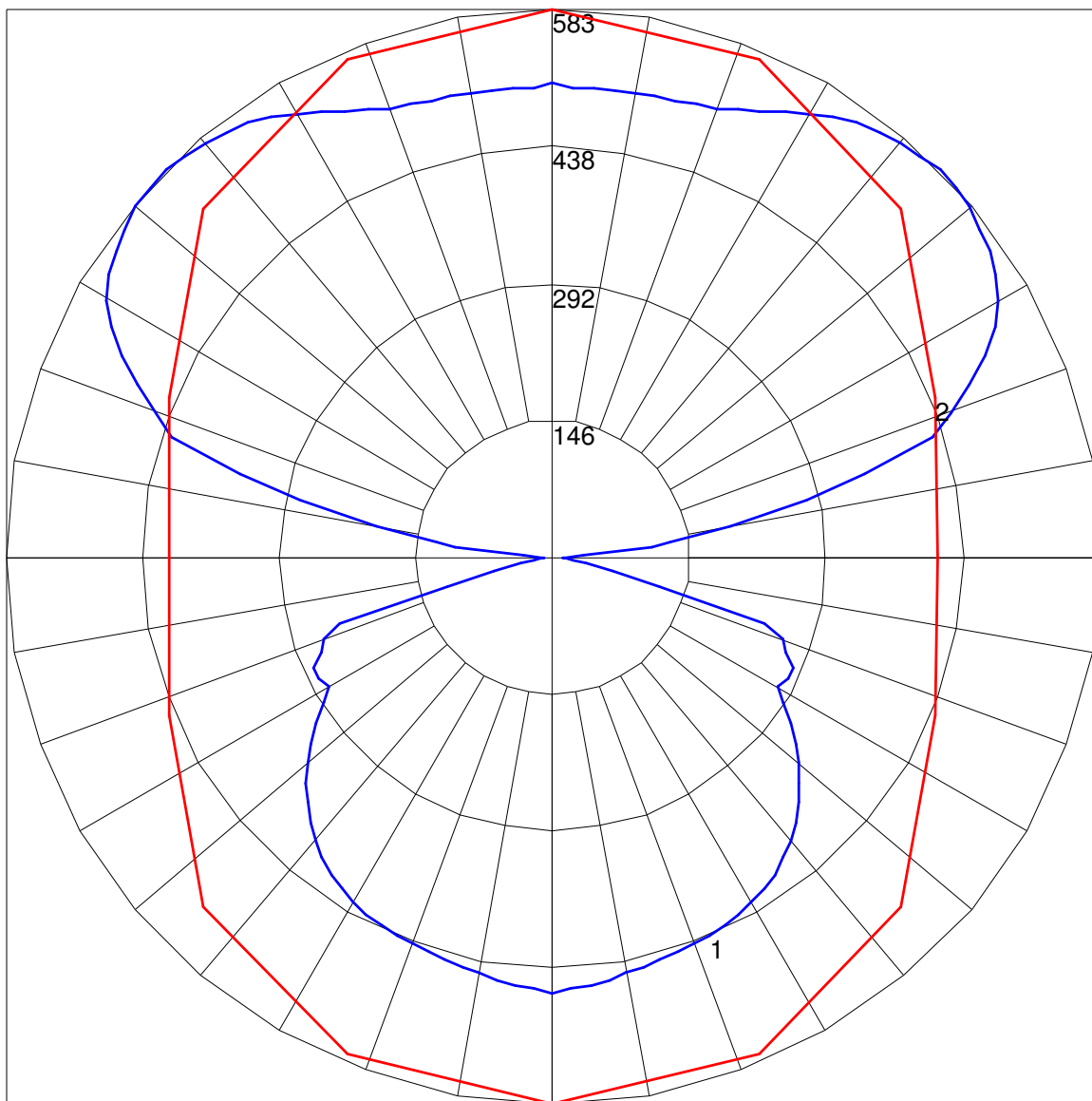
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 583.436 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.)